Logistic Regression Analysis for Exoplanet\_dataset and Cross-validation

Nimmala Mrudula, Sowmya Sree Kemsaram, Sreenivas Annagiri, Shreyas Shivaji Mali

2024-04-29

## LOAD THE DATA

# Load necessary libraries  
library(tidyverse)

## ── Attaching core tidyverse packages ──────────────────────── tidyverse 2.0.0 ──  
## ✔ dplyr 1.1.4 ✔ readr 2.1.4  
## ✔ forcats 1.0.0 ✔ stringr 1.5.1  
## ✔ ggplot2 3.4.4 ✔ tibble 3.2.1  
## ✔ lubridate 1.9.3 ✔ tidyr 1.3.0  
## ✔ purrr 1.0.2   
## ── Conflicts ────────────────────────────────────────── tidyverse\_conflicts() ──  
## ✖ dplyr::filter() masks stats::filter()  
## ✖ dplyr::lag() masks stats::lag()  
## ℹ Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors

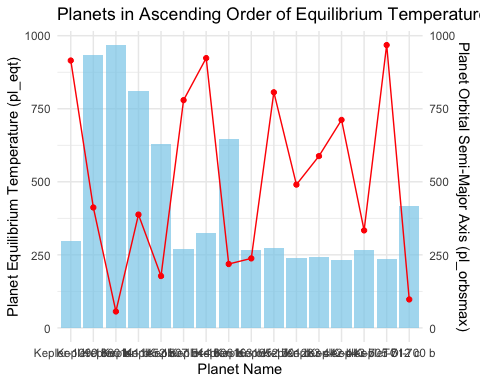
library(caret)

## Loading required package: lattice  
##   
## Attaching package: 'caret'  
##   
## The following object is masked from 'package:purrr':  
##   
## lift

# Read the dataset  
exoplanet\_data <- read.csv('Exoplanet\_DataSet.csv')

## Plot for the Exoplanet\_data

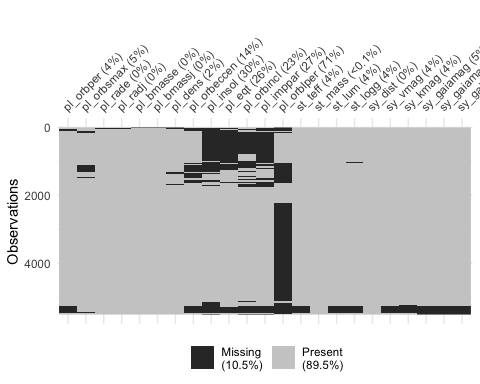
# Load necessary libraries  
library(ggplot2)  
library(dplyr)  
library(tidyr)  
  
  
# List of specific planet names  
target\_planets <- c("Kepler-1090 b", "Kepler-1360 b", "Kepler-141 b", "Kepler-1452 b","Kepler-1507 b", "Kepler-1544 b", "Kepler-1606 b", "Kepler-163 c","Kepler-1652 b","Kepler-1701 b", "Kepler-283 c","Kepler-442 b", "Kepler-443 b","Kepler-705 b", "Kepler-712 c", "TOI-700 b" )   
  
filtered\_data <- exoplanet\_data %>%  
 filter(pl\_name %in% target\_planets) %>%  
 arrange('pl\_eqt') %>%  
 mutate(planet\_Name = factor(pl\_name, levels = pl\_name))  
  
# Create the ggplot object  
p <- ggplot(filtered\_data, aes(x = pl\_name)) +  
 # Add bar plot for equilibrium temperature  
 geom\_bar(aes(y = pl\_eqt), stat = "identity", fill = "skyblue", alpha = 0.7) +  
 scale\_y\_continuous(name = "Planet Equilibrium Temperature (pl\_eqt)",  
 sec.axis = sec\_axis(~ ., name = "Planet Orbital Semi-Major Axis (pl\_orbsmax)")) +  
 # Add line plot for orbital semi-major axis  
 geom\_line(aes(y = pl\_orbsmax \* max(pl\_eqt) / max(pl\_orbsmax)), color = "red", group = 1) +  
 geom\_point(aes(y = pl\_orbsmax \* max(pl\_eqt) / max(pl\_orbsmax)), color = "red") +  
 labs(title = "Planets in Ascending Order of Equilibrium Temperature",  
 x = "Planet Name") +  
 theme\_minimal()  
  
# Print the plot  
print(p)



library(tidyverse)  
library(naniar)  
  
# Identify columns with missing values  
missing\_data\_columns <- colnames(exoplanet\_data)[colSums(is.na(exoplanet\_data)) > 0]  
  
# Filter only those columns and visualize their missing values  
exoplanet\_data\_with\_missing <- exoplanet\_data[, missing\_data\_columns]  
  
# Inspect columns with missing values  
print(missing\_data\_columns)

## [1] "pl\_orbper" "pl\_orbsmax" "pl\_rade" "pl\_radj"   
## [5] "pl\_bmasse" "pl\_bmassj" "pl\_dens" "pl\_orbeccen"   
## [9] "pl\_insol" "pl\_eqt" "pl\_orbincl" "pl\_imppar"   
## [13] "pl\_orblper" "st\_teff" "st\_mass" "st\_lum"   
## [17] "st\_logg" "sy\_dist" "sy\_vmag" "sy\_kmag"   
## [21] "sy\_gaiamag" "sy\_gaiamagerr1" "sy\_gaiamagerr2"

# Conditional clustering based on the number of columns with missing values  
if (length(missing\_data\_columns) > 1) {  
 vis\_miss(exoplanet\_data\_with\_missing, cluster = TRUE)  
} else {  
 vis\_miss(exoplanet\_data\_with\_missing, cluster = FALSE)  
}



## Filter Variables Based on Missing Values

## 'data.frame': 5514 obs. of 30 variables:  
## $ pl\_name : Factor w/ 5514 levels "11 Com b","11 UMi b",..: 1 2 3 4 5 6 7 8 9 10 ...  
## $ hostname : Factor w/ 4112 levels "11 Com","11 UMi",..: 1 2 3 4 5 6 7 8 9 10 ...  
## $ sy\_snum : int 2 1 1 1 3 1 2 1 1 1 ...  
## $ sy\_pnum : int 1 1 1 2 1 1 1 1 1 2 ...  
## $ disc\_facility : Factor w/ 70 levels "Acton Sky Portal Observatory",..: 68 58 45 64 41 34 45 14 45 34 ...  
## $ disc\_telescope: Factor w/ 78 levels "0.1 m TESS Telescope",..: 34 32 28 30 75 71 28 61 28 44 ...  
## $ pl\_orbper : num 326 516 186 1765 798 ...  
## $ pl\_orbsmax : num 1.29 1.53 0.83 2.77 1.66 ...  
## $ pl\_rade : num 12.1 12.3 12.9 12.6 13.5 ...  
## $ pl\_radj : num 1.08 1.09 1.15 1.12 1.2 ...  
## $ pl\_bmasse : num 6166 4685 1526 2559 566 ...  
## $ pl\_bmassj : num 19.4 14.74 4.8 8.05 1.78 ...  
## $ pl\_bmassprov : Factor w/ 4 levels "M-R relationship",..: 4 4 4 2 4 4 4 2 4 4 ...  
## $ pl\_dens : num 19.1 13.8 3.9 7.03 1.26 3.51 9.21 2.54 0.592 1.44 ...  
## $ pl\_orbeccen : num 0.231 0.08 0 0.373 0.68 0.06 0.08 NA 0.042 0.09 ...  
## $ ttv\_flag : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ...  
## $ st\_teff : num 4742 4213 4813 5338 5750 ...  
## $ st\_mass : num 2.7 2.78 2.2 0.91 1.08 1.22 2.3 0.85 0.99 1.54 ...  
## $ st\_lum : num 2.243 2.43 1.763 -0.153 0.097 ...  
## $ st\_logg : num 2.31 1.93 2.63 4.45 4.36 1.7 2.82 4 2.42 3.5 ...  
## $ rastr : chr "12h20m42.91s" "15h17m05.90s" "23h31m17.80s" "16h10m24.50s" ...  
## $ ra : num 185 229 353 243 295 ...  
## $ decstr : chr "+17d47m35.71s" "+71d49m26.19s" "+39d14m09.01s" "+43d48m58.90s" ...  
## $ dec : num 17.8 71.8 39.2 43.8 50.5 ...  
## $ sy\_dist : num 93.2 125.3 75.4 17.9 21.1 ...  
## $ sy\_vmag : num 4.72 5.01 5.23 6.62 6.21 ...  
## $ sy\_kmag : num 2.28 1.94 2.33 4.71 4.65 ...  
## $ sy\_gaiamag : num 4.44 4.56 4.92 6.38 6.06 ...  
## $ sy\_gaiamagerr1: num 0.003848 0.003903 0.002826 0.000351 0.000603 ...  
## $ sy\_gaiamagerr2: num -0.003848 -0.003903 -0.002826 -0.000351 -0.000603 ...

## Preprocess the Data

exoplanet\_data <- na.omit(exoplanet\_data)  
exoplanet\_data$in\_habitual\_zone <- with(exoplanet\_data, ifelse(pl\_orbsmax > 0.9 & pl\_orbsmax < 1.5, 1, 0))

## Full\_model

library(car)

## Loading required package: carData

##   
## Attaching package: 'car'

## The following object is masked from 'package:dplyr':  
##   
## recode

## The following object is masked from 'package:purrr':  
##   
## some

full\_model <- glm(in\_habitual\_zone ~ ., data = exoplanet\_data)  
summary(full\_model)

##   
## Call:  
## glm(formula = in\_habitual\_zone ~ ., data = exoplanet\_data)  
##   
## Coefficients: (10196 not defined because of singularities)  
## Estimate  
## (Intercept) 1.000e+00  
## pl\_name11 UMi b -1.000e+00  
## pl\_name14 And b -1.000e+00  
## pl\_name14 Her b -1.000e+00  
## pl\_name16 Cyg B b -1.000e+00  
## pl\_name17 Sco b 2.237e-13  
## pl\_name18 Del b -1.000e+00  
## pl\_name24 Boo b -1.000e+00  
## pl\_name24 Sex b 4.834e-13  
## pl\_name24 Sex c -1.000e+00  
## pl\_name2MASS J19383260+4603591 b -4.297e-15  
## pl\_name30 Ari B b 2.270e-13  
## pl\_name4 UMa b -1.000e+00  
## pl\_name42 Dra b 2.289e-13  
## pl\_name47 UMa b -1.000e+00  
## pl\_name47 UMa c -1.000e+00  
## pl\_name47 UMa d -1.000e+00  
## pl\_name51 Eri b -1.000e+00  
## pl\_name51 Peg b -1.000e+00  
## pl\_name55 Cnc b -1.000e+00  
## pl\_name55 Cnc c -1.000e+00  
## pl\_name55 Cnc d -1.000e+00  
## pl\_name55 Cnc e -1.000e+00  
## pl\_name55 Cnc f -1.000e+00  
## pl\_name6 Lyn b -1.000e+00  
## pl\_name61 Vir b -1.000e+00  
## pl\_name61 Vir c -1.000e+00  
## pl\_name61 Vir d -1.000e+00  
## pl\_name7 CMa b -1.000e+00  
## pl\_name7 CMa c -1.000e+00  
## pl\_name70 Vir b -1.000e+00  
## pl\_name75 Cet b -1.000e+00  
## pl\_name8 UMi b -1.000e+00  
## pl\_name81 Cet b -1.000e+00  
## pl\_name91 Aqr b -1.000e+00  
## pl\_nameAF Lep b -1.000e+00  
## pl\_nameAU Mic b -1.000e+00  
## pl\_nameAU Mic c -1.000e+00  
## pl\_nameBD-00 4475 b 1.338e-13  
## pl\_nameBD-06 1339 b -1.000e+00  
## pl\_nameBD-06 1339 c -1.000e+00  
## pl\_nameBD-08 2823 b -1.000e+00  
## pl\_nameBD-08 2823 c -1.000e+00  
## pl\_nameBD-10 3166 b -1.000e+00  
## pl\_nameBD-11 4672 b -1.000e+00  
## pl\_nameBD-11 4672 c -1.000e+00  
## pl\_nameBD-13 2130 b -1.000e+00  
## pl\_nameBD-17 63 b 1.159e-13  
## pl\_nameBD-210397 b -1.000e+00  
## pl\_nameBD-210397 c -1.000e+00  
## pl\_nameBD+03 2562 b 3.312e-13  
## pl\_nameBD+14 4559 b -1.000e+00  
## pl\_nameBD+15 2375 b -1.000e+00  
## pl\_nameBD+15 2940 b -1.000e+00  
## pl\_nameBD+20 2457 b -2.415e-13  
## pl\_nameBD+20 2457 c -1.000e+00  
## pl\_nameBD+20 274 b -2.463e-13  
## pl\_nameBD+20 594 b -1.000e+00  
## pl\_nameBD+45 564 b -1.000e+00  
## pl\_nameBD+48 738 b 7.014e-13  
## pl\_nameBD+48 740 b -1.000e+00  
## pl\_nameBD+49 828 b -1.000e+00  
## pl\_nameBD+55 362 b -1.000e+00  
## pl\_nameBD+63 1405 b -1.000e+00  
## pl\_namebet Cnc b -1.000e+00  
## pl\_namebet Pic b -1.000e+00  
## pl\_namebet Pic c -1.000e+00  
## pl\_nameCoRoT-1 b -1.000e+00  
## pl\_nameCoRoT-10 b -1.000e+00  
## pl\_nameCoRoT-11 b -1.000e+00  
## pl\_nameCoRoT-12 b -1.000e+00  
## pl\_nameCoRoT-13 b -1.000e+00  
## pl\_nameCoRoT-14 b -1.000e+00  
## pl\_nameCoRoT-16 b -1.000e+00  
## pl\_nameCoRoT-17 b -1.000e+00  
## pl\_nameCoRoT-18 b -1.000e+00  
## pl\_nameCoRoT-19 b -1.000e+00  
## pl\_nameCoRoT-2 b -1.000e+00  
## pl\_nameCoRoT-20 b -1.000e+00  
## pl\_nameCoRoT-20 c -1.000e+00  
## pl\_nameCoRoT-21 b -1.000e+00  
## pl\_nameCoRoT-22 b -1.000e+00  
## pl\_nameCoRoT-23 b -1.000e+00  
## pl\_nameCoRoT-24 b -1.000e+00  
## pl\_nameCoRoT-24 c -1.000e+00  
## pl\_nameCoRoT-25 b -1.000e+00  
## pl\_nameCoRoT-26 b -1.000e+00  
## pl\_nameCoRoT-27 b -1.000e+00  
## pl\_nameCoRoT-28 b -1.000e+00  
## pl\_nameCoRoT-29 b -1.000e+00  
## pl\_nameCoRoT-3 b -1.000e+00  
## pl\_nameCoRoT-30 b -1.000e+00  
## pl\_nameCoRoT-31 b -1.000e+00  
## pl\_nameCoRoT-35 b -1.000e+00  
## pl\_nameCoRoT-36 b -1.000e+00  
## pl\_nameCoRoT-4 b -1.000e+00  
## pl\_nameCoRoT-5 b -1.000e+00  
## pl\_nameCoRoT-6 b -1.000e+00  
## pl\_nameCoRoT-7 b -1.000e+00  
## pl\_nameCoRoT-7 c -1.000e+00  
## pl\_nameCoRoT-8 b -1.000e+00  
## pl\_nameCoRoT-9 b -1.000e+00  
## pl\_nameDE CVn b -1.000e+00  
## pl\_nameDMPP-1 b -1.000e+00  
## pl\_nameDMPP-1 c -1.000e+00  
## pl\_nameDMPP-1 d -1.000e+00  
## pl\_nameDMPP-1 e -1.000e+00  
## pl\_nameDMPP-2 b -1.000e+00  
## pl\_nameDMPP-4 b -1.000e+00  
## pl\_nameEPIC 201170410.02 -1.000e+00  
## pl\_nameEPIC 211822797 b -1.000e+00  
## pl\_nameEPIC 211945201 b -1.000e+00  
## pl\_nameEPIC 212737443 b -1.000e+00  
## pl\_nameEPIC 212737443 c -1.000e+00  
## pl\_nameEPIC 220674823 b -1.000e+00  
## pl\_nameEPIC 220674823 c -1.000e+00  
## pl\_nameEPIC 229004835 b -1.000e+00  
## pl\_nameEPIC 249893012 b -1.000e+00  
## pl\_nameEPIC 249893012 c -1.000e+00  
## pl\_nameEPIC 249893012 d -1.000e+00  
## pl\_nameeps CrB b 3.647e-13  
## pl\_nameeps Eri b -1.000e+00  
## pl\_nameeps Ind A b -1.000e+00  
## pl\_nameeps Tau b -1.000e+00  
## pl\_namegam Cep b -1.000e+00  
## pl\_namegam Lib b -6.489e-14  
## pl\_namegam Lib c -1.000e+00  
## pl\_namegam Psc b 2.158e-13  
## pl\_nameGJ 1061 b -1.000e+00  
## pl\_nameGJ 1061 c -1.000e+00  
## pl\_nameGJ 1061 d -1.000e+00  
## pl\_nameGJ 1132 b -1.000e+00  
## pl\_nameGJ 1132 c -1.000e+00  
## pl\_nameGJ 1148 b -1.000e+00  
## pl\_nameGJ 1148 c 1.284e-13  
## pl\_nameGJ 1214 b -1.000e+00  
## pl\_nameGJ 1252 b -1.000e+00  
## pl\_nameGJ 1265 b -1.000e+00  
## pl\_nameGJ 143 b -1.000e+00  
## pl\_nameGJ 15 A b -1.000e+00  
## pl\_nameGJ 15 A c -1.000e+00  
## pl\_nameGJ 160.2 b -1.000e+00  
## pl\_nameGJ 163 b -1.000e+00  
## pl\_nameGJ 163 c -1.000e+00  
## pl\_nameGJ 163 d 7.364e-13  
## pl\_nameGJ 179 b -1.000e+00  
## pl\_nameGJ 180 b -1.000e+00  
## pl\_nameGJ 180 c -1.000e+00  
## pl\_nameGJ 180 d -1.000e+00  
## pl\_nameGJ 2030 b -1.000e+00  
## pl\_nameGJ 2030 c -1.000e+00  
## pl\_nameGJ 2056 b -1.000e+00  
## pl\_nameGJ 229 A c -1.000e+00  
## pl\_nameGJ 229 b 2.913e-13  
## pl\_nameGJ 251 b -1.000e+00  
## pl\_nameGJ 27.1 b -1.000e+00  
## pl\_nameGJ 3021 b -1.000e+00  
## pl\_nameGJ 3082 b -1.000e+00  
## pl\_nameGJ 3090 b -1.000e+00  
## pl\_nameGJ 3138 b -1.000e+00  
## pl\_nameGJ 3138 c -1.000e+00  
## pl\_nameGJ 3138 d -1.000e+00  
## pl\_nameGJ 317 b 1.903e-12  
## pl\_nameGJ 317 c -1.000e+00  
## pl\_nameGJ 328 b -1.000e+00  
## pl\_nameGJ 3293 b -1.000e+00  
## pl\_nameGJ 3293 c -1.000e+00  
## pl\_nameGJ 3293 d -1.000e+00  
## pl\_nameGJ 3293 e -1.000e+00  
## pl\_nameGJ 3341 b -1.000e+00  
## pl\_nameGJ 338 B b -1.000e+00  
## pl\_nameGJ 3470 b -1.000e+00  
## pl\_nameGJ 3473 b -1.000e+00  
## pl\_nameGJ 3473 c -1.000e+00  
## pl\_nameGJ 3512 b -1.000e+00  
## pl\_nameGJ 3512 c -9.424e-14  
## pl\_nameGJ 3634 b -1.000e+00  
## pl\_nameGJ 367 b -1.000e+00  
## pl\_nameGJ 3779 b -1.000e+00  
## pl\_nameGJ 3929 b -1.000e+00  
## pl\_nameGJ 3929 c -1.000e+00  
## pl\_nameGJ 3942 b -1.000e+00  
## pl\_nameGJ 3998 b -1.000e+00  
## pl\_nameGJ 3998 c -1.000e+00  
## pl\_nameGJ 414 A b -1.000e+00  
## pl\_nameGJ 414 A c -7.609e-13  
## pl\_nameGJ 422 b -1.000e+00  
## pl\_nameGJ 4276 b -1.000e+00  
## pl\_nameGJ 433 b -1.000e+00  
## pl\_nameGJ 433 c -1.000e+00  
## pl\_nameGJ 433 d -1.000e+00  
## pl\_nameGJ 436 b -1.000e+00  
## pl\_nameGJ 463 b -1.000e+00  
## pl\_nameGJ 480 b -1.000e+00  
## pl\_nameGJ 486 b -1.000e+00  
## pl\_nameGJ 514 b -1.000e+00  
## pl\_nameGJ 536 b -1.000e+00  
## pl\_nameGJ 581 b -1.000e+00  
## pl\_nameGJ 581 c -1.000e+00  
## pl\_nameGJ 581 e -1.000e+00  
## pl\_nameGJ 625 b -1.000e+00  
## pl\_nameGJ 649 b 8.636e-13  
## pl\_nameGJ 667 C b -1.000e+00  
## pl\_nameGJ 667 C c -1.000e+00  
## pl\_nameGJ 667 C e -1.000e+00  
## pl\_nameGJ 667 C f -1.000e+00  
## pl\_nameGJ 667 C g -1.000e+00  
## pl\_nameGJ 674 b -1.000e+00  
## pl\_nameGJ 676 A b -1.000e+00  
## pl\_nameGJ 676 A c -1.000e+00  
## pl\_nameGJ 676 A d -1.000e+00  
## pl\_nameGJ 676 A e -1.000e+00  
## pl\_nameGJ 680 b -1.000e+00  
## pl\_nameGJ 682 b -1.000e+00  
## pl\_nameGJ 682 c -1.000e+00  
## pl\_nameGJ 685 b -1.000e+00  
## pl\_nameGJ 687 b -1.000e+00  
## pl\_nameGJ 687 c 6.188e-13  
## pl\_nameGJ 720 A b -1.000e+00  
## pl\_nameGJ 740 b -1.000e+00  
## pl\_nameGJ 832 b -1.000e+00  
## pl\_nameGJ 849 b -1.000e+00  
## pl\_nameGJ 849 c -1.000e+00  
## pl\_nameGJ 86 b -1.000e+00  
## pl\_nameGJ 876 b -1.000e+00  
## pl\_nameGJ 876 c -1.000e+00  
## pl\_nameGJ 876 d -1.000e+00  
## pl\_nameGJ 876 e -1.000e+00  
## pl\_nameGJ 887 b -1.000e+00  
## pl\_nameGJ 896 A b -1.000e+00  
## pl\_nameGJ 9066 c -1.000e+00  
## pl\_nameGJ 9404 b -1.000e+00  
## pl\_nameGJ 96 b -1.000e+00  
## pl\_nameGJ 9689 b -1.000e+00  
## pl\_nameGJ 9714 b -1.000e+00  
## pl\_nameGJ 9827 b -1.000e+00  
## pl\_nameGJ 9827 c -1.000e+00  
## pl\_nameGJ 9827 d -1.000e+00  
## pl\_nameGl 378 b -1.000e+00  
## pl\_nameGl 49 b -1.000e+00  
## pl\_nameGl 686 b -1.000e+00  
## pl\_nameGPX-1 b -1.000e+00  
## pl\_nameHAT-P-1 b -1.000e+00  
## pl\_nameHAT-P-11 b -1.000e+00  
## pl\_nameHAT-P-11 c -1.000e+00  
## pl\_nameHAT-P-12 b -1.000e+00  
## pl\_nameHAT-P-13 b -1.000e+00  
## pl\_nameHAT-P-13 c -1.129e-13  
## pl\_nameHAT-P-14 b -1.000e+00  
## pl\_nameHAT-P-15 b -1.000e+00  
## pl\_nameHAT-P-16 b -1.000e+00  
## pl\_nameHAT-P-17 b -1.000e+00  
## pl\_nameHAT-P-17 c -1.000e+00  
## pl\_nameHAT-P-18 b -1.000e+00  
## pl\_nameHAT-P-19 b -1.000e+00  
## pl\_nameHAT-P-2 b -1.000e+00  
## pl\_nameHAT-P-20 b -1.000e+00  
## pl\_nameHAT-P-21 b -1.000e+00  
## pl\_nameHAT-P-22 b -1.000e+00  
## pl\_nameHAT-P-23 b -1.000e+00  
## pl\_nameHAT-P-24 b -1.000e+00  
## pl\_nameHAT-P-25 b -1.000e+00  
## pl\_nameHAT-P-26 b -1.000e+00  
## pl\_nameHAT-P-27 b -1.000e+00  
## pl\_nameHAT-P-28 b -1.000e+00  
## pl\_nameHAT-P-29 b -1.000e+00  
## pl\_nameHAT-P-3 b -1.000e+00  
## pl\_nameHAT-P-30 b -1.000e+00  
## pl\_nameHAT-P-31 b -1.000e+00  
## pl\_nameHAT-P-32 b -1.000e+00  
## pl\_nameHAT-P-33 b -1.000e+00  
## pl\_nameHAT-P-34 b -1.000e+00  
## pl\_nameHAT-P-35 b -1.000e+00  
## pl\_nameHAT-P-36 b -1.000e+00  
## pl\_nameHAT-P-37 b -1.000e+00  
## pl\_nameHAT-P-38 b -1.000e+00  
## pl\_nameHAT-P-39 b -1.000e+00  
## pl\_nameHAT-P-4 b -1.000e+00  
## pl\_nameHAT-P-40 b -1.000e+00  
## pl\_nameHAT-P-41 b -1.000e+00  
## pl\_nameHAT-P-42 b -1.000e+00  
## pl\_nameHAT-P-43 b -1.000e+00  
## pl\_nameHAT-P-44 b -1.000e+00  
## pl\_nameHAT-P-44 c -1.000e+00  
## pl\_nameHAT-P-45 b -1.000e+00  
## pl\_nameHAT-P-46 b -1.000e+00  
## pl\_nameHAT-P-49 b -1.000e+00  
## pl\_nameHAT-P-5 b -1.000e+00  
## pl\_nameHAT-P-50 b -1.000e+00  
## pl\_nameHAT-P-51 b -1.000e+00  
## pl\_nameHAT-P-52 b -1.000e+00  
## pl\_nameHAT-P-53 b -1.000e+00  
## pl\_nameHAT-P-54 b -1.000e+00  
## pl\_nameHAT-P-55 b -1.000e+00  
## pl\_nameHAT-P-56 b -1.000e+00  
## pl\_nameHAT-P-57 b -1.000e+00  
## pl\_nameHAT-P-58 b -1.000e+00  
## pl\_nameHAT-P-59 b -1.000e+00  
## pl\_nameHAT-P-6 b -1.000e+00  
## pl\_nameHAT-P-60 b -1.000e+00  
## pl\_nameHAT-P-61 b -1.000e+00  
## pl\_nameHAT-P-62 b -1.000e+00  
## pl\_nameHAT-P-64 b -1.000e+00  
## pl\_nameHAT-P-65 b -1.000e+00  
## pl\_nameHAT-P-66 b -1.000e+00  
## pl\_nameHAT-P-67 b -1.000e+00  
## pl\_nameHAT-P-68 b -1.000e+00  
## pl\_nameHAT-P-69 b -1.000e+00  
## pl\_nameHAT-P-7 b -1.000e+00  
## pl\_nameHAT-P-70 b -1.000e+00  
## pl\_nameHAT-P-8 b -1.000e+00  
## pl\_nameHAT-P-9 b -1.000e+00  
## pl\_nameHATS-1 b -1.000e+00  
## pl\_nameHATS-10 b -1.000e+00  
## pl\_nameHATS-11 b -1.000e+00  
## pl\_nameHATS-12 b -1.000e+00  
## pl\_nameHATS-13 b -1.000e+00  
## pl\_nameHATS-14 b -1.000e+00  
## pl\_nameHATS-15 b -1.000e+00  
## pl\_nameHATS-16 b -1.000e+00  
## pl\_nameHATS-17 b -1.000e+00  
## pl\_nameHATS-18 b -1.000e+00  
## pl\_nameHATS-2 b -1.000e+00  
## pl\_nameHATS-22 b -1.000e+00  
## pl\_nameHATS-23 b -1.000e+00  
## pl\_nameHATS-24 b -1.000e+00  
## pl\_nameHATS-25 b -1.000e+00  
## pl\_nameHATS-26 b -1.000e+00  
## pl\_nameHATS-27 b -1.000e+00  
## pl\_nameHATS-28 b -1.000e+00  
## pl\_nameHATS-29 b -1.000e+00  
## pl\_nameHATS-3 b -1.000e+00  
## pl\_nameHATS-30 b -1.000e+00  
## pl\_nameHATS-31 b -1.000e+00  
## pl\_nameHATS-32 b -1.000e+00  
## pl\_nameHATS-33 b -1.000e+00  
## pl\_nameHATS-34 b -1.000e+00  
## pl\_nameHATS-35 b -1.000e+00  
## pl\_nameHATS-36 b -1.000e+00  
## pl\_nameHATS-37 A b -1.000e+00  
## pl\_nameHATS-38 b -1.000e+00  
## pl\_nameHATS-39 b -1.000e+00  
## pl\_nameHATS-4 b -1.000e+00  
## pl\_nameHATS-40 b -1.000e+00  
## pl\_nameHATS-41 b -1.000e+00  
## pl\_nameHATS-42 b -1.000e+00  
## pl\_nameHATS-43 b -1.000e+00  
## pl\_nameHATS-44 b -1.000e+00  
## pl\_nameHATS-45 b -1.000e+00  
## pl\_nameHATS-46 b -1.000e+00  
## pl\_nameHATS-47 b -1.000e+00  
## pl\_nameHATS-48 A b -1.000e+00  
## pl\_nameHATS-49 b -1.000e+00  
## pl\_nameHATS-5 b -1.000e+00  
## pl\_nameHATS-50 b -1.000e+00  
## pl\_nameHATS-51 b -1.000e+00  
## pl\_nameHATS-52 b -1.000e+00  
## pl\_nameHATS-53 b -1.000e+00  
## pl\_nameHATS-54 b -1.000e+00  
## pl\_nameHATS-55 b -1.000e+00  
## pl\_nameHATS-56 b -1.000e+00  
## pl\_nameHATS-57 b -1.000e+00  
## pl\_nameHATS-58 A b -1.000e+00  
## pl\_nameHATS-59 b -1.000e+00  
## pl\_nameHATS-59 c -1.000e+00  
## pl\_nameHATS-6 b -1.000e+00  
## pl\_nameHATS-60 b -1.000e+00  
## pl\_nameHATS-61 b -1.000e+00  
## pl\_nameHATS-62 b -1.000e+00  
## pl\_nameHATS-63 b -1.000e+00  
## pl\_nameHATS-64 b -1.000e+00  
## pl\_nameHATS-65 b -1.000e+00  
## pl\_nameHATS-66 b -1.000e+00  
## pl\_nameHATS-67 b -1.000e+00  
## pl\_nameHATS-68 b -1.000e+00  
## pl\_nameHATS-69 b -1.000e+00  
## pl\_nameHATS-7 b -1.000e+00  
## pl\_nameHATS-70 b -1.000e+00  
## pl\_nameHATS-71 b -1.000e+00  
## pl\_nameHATS-72 b -1.000e+00  
## pl\_nameHATS-74 A b -1.000e+00  
## pl\_nameHATS-75 b -1.000e+00  
## pl\_nameHATS-76 b -1.000e+00  
## pl\_nameHATS-77 b -1.000e+00  
## pl\_nameHATS-8 b -1.000e+00  
## pl\_nameHATS-9 b -1.000e+00  
## pl\_nameHD 100655 b -1.000e+00  
## pl\_nameHD 100777 b 8.636e-14  
## pl\_nameHD 10180 c -1.000e+00  
## pl\_nameHD 10180 d -1.000e+00  
## pl\_nameHD 10180 e -1.000e+00  
## pl\_nameHD 10180 f -1.000e+00  
## pl\_nameHD 10180 g -6.528e-13  
## pl\_nameHD 10180 h -1.000e+00  
## pl\_nameHD 101930 b -1.000e+00  
## pl\_nameHD 102117 b -1.000e+00  
## pl\_nameHD 102195 b -1.000e+00  
## pl\_nameHD 102272 b -1.000e+00  
## pl\_nameHD 102329 b -1.000e+00  
## pl\_nameHD 102365 b -1.000e+00  
## pl\_nameHD 102843 b -1.000e+00  
## pl\_nameHD 102956 b -1.000e+00  
## pl\_nameHD 103197 b -1.000e+00  
## pl\_nameHD 103720 b -1.000e+00  
## pl\_nameHD 103774 b -1.000e+00  
## pl\_nameHD 103891 b -1.000e+00  
## pl\_nameHD 103949 b -1.000e+00  
## pl\_nameHD 104067 b -1.000e+00  
## pl\_nameHD 10442 b -1.000e+00  
## pl\_nameHD 104985 b 9.544e-13  
## pl\_nameHD 105618 b -1.000e+00  
## pl\_nameHD 105618 c -1.000e+00  
## pl\_nameHD 105779 b -1.000e+00  
## pl\_nameHD 106252 b -1.000e+00  
## pl\_nameHD 106270 b -1.000e+00  
## pl\_nameHD 106315 b -1.000e+00  
## pl\_nameHD 106315 c -1.000e+00  
## pl\_nameHD 10647 b -1.000e+00  
## pl\_nameHD 106515 A b -1.000e+00  
## pl\_nameHD 10697 b -1.000e+00  
## pl\_nameHD 107148 b -1.000e+00  
## pl\_nameHD 107148 c -1.000e+00  
## pl\_nameHD 108147 b -1.000e+00  
## pl\_nameHD 108202 b -1.000e+00  
## pl\_nameHD 108236 b -1.000e+00  
## pl\_nameHD 108236 c -1.000e+00  
## pl\_nameHD 108236 d -1.000e+00  
## pl\_nameHD 108236 e -1.000e+00  
## pl\_nameHD 108236 f -1.000e+00  
## pl\_nameHD 108341 b -1.000e+00  
## pl\_nameHD 108863 b 9.677e-13  
## pl\_nameHD 108874 b 1.390e-13  
## pl\_nameHD 108874 c -1.000e+00  
## pl\_nameHD 109246 b -1.000e+00  
## pl\_nameHD 109271 b -1.000e+00  
## pl\_nameHD 109271 c -1.000e+00  
## pl\_nameHD 109286 b 3.505e-13  
## pl\_nameHD 109749 b -1.000e+00  
## pl\_nameHD 10975 b 1.180e-13  
## pl\_nameHD 109988 b -1.000e+00  
## pl\_nameHD 110014 b -1.000e+00  
## pl\_nameHD 110082 b -1.000e+00  
## pl\_nameHD 110113 b -1.000e+00  
## pl\_nameHD 110113 c -1.000e+00  
## pl\_nameHD 110537 b -1.000e+00  
## pl\_nameHD 11112 b -1.000e+00  
## pl\_nameHD 111232 b -1.000e+00  
## pl\_nameHD 111232 c -1.000e+00  
## pl\_nameHD 111998 b -1.000e+00  
## pl\_nameHD 112300 b -5.667e-13  
## pl\_nameHD 112640 b -1.000e+00  
## pl\_nameHD 113337 b 1.604e-12  
## pl\_nameHD 113337 c -1.000e+00  
## pl\_nameHD 11343 c 7.932e-13  
## pl\_nameHD 113538 b 1.012e-12  
## pl\_nameHD 113538 c -1.000e+00  
## pl\_nameHD 113996 b -1.000e+00  
## pl\_nameHD 114082 b -1.000e+00  
## pl\_nameHD 114386 b -1.000e+00  
## pl\_nameHD 114613 b -1.000e+00  
## pl\_nameHD 114729 b -1.000e+00  
## pl\_nameHD 114783 b 1.287e-12  
## pl\_nameHD 114783 c -1.000e+00  
## pl\_nameHD 11505 b -1.000e+00  
## pl\_nameHD 11506 b -1.000e+00  
## pl\_nameHD 11506 c -1.000e+00  
## pl\_nameHD 11506 d -1.000e+00  
## pl\_nameHD 115404 A b -1.000e+00  
## pl\_nameHD 115404 A c -1.000e+00  
## pl\_nameHD 115954 b -1.000e+00  
## pl\_nameHD 116029 b -1.000e+00  
## pl\_nameHD 117207 b -1.000e+00  
## pl\_nameHD 11755 b -1.221e-12  
## pl\_nameHD 117618 b -1.000e+00  
## pl\_nameHD 118203 b -1.000e+00  
## pl\_nameHD 11964 b -1.000e+00  
## pl\_nameHD 11964 c -1.000e+00  
## pl\_nameHD 11977 b -1.000e+00  
## pl\_nameHD 120084 b -1.000e+00  
## pl\_nameHD 121504 b -1.000e+00  
## pl\_nameHD 12235 b -1.000e+00  
## pl\_nameHD 12235 c -1.000e+00  
## pl\_nameHD 124330 b -1.000e+00  
## pl\_nameHD 12484 b -1.000e+00  
## pl\_nameHD 125271 b -1.000e+00  
## pl\_nameHD 125390 b -1.000e+00  
## pl\_nameHD 125595 b -1.000e+00  
## pl\_nameHD 125612 b 6.188e-13  
## pl\_nameHD 125612 c -1.000e+00  
## pl\_nameHD 125612 d -1.000e+00  
## pl\_nameHD 12648 b -1.000e+00  
## pl\_nameHD 126525 b -1.000e+00  
## pl\_nameHD 12661 b -1.000e+00  
## pl\_nameHD 12661 c -1.000e+00  
## pl\_nameHD 126614 b -1.000e+00  
## pl\_nameHD 127506 b -1.000e+00  
## pl\_nameHD 128311 b -5.900e-13  
## pl\_nameHD 128311 c -1.000e+00  
## pl\_nameHD 128356 b -1.000e+00  
## pl\_nameHD 129445 b -1.000e+00  
## pl\_nameHD 130322 b -1.000e+00  
## pl\_nameHD 131496 b -1.000e+00  
## pl\_nameHD 13167 b -1.000e+00  
## pl\_nameHD 13189 b -1.288e-12  
## pl\_nameHD 132406 b -1.000e+00  
## pl\_nameHD 132563 b -1.000e+00  
## pl\_nameHD 133131 A b -1.075e-12  
## pl\_nameHD 133131 A c -1.000e+00  
## pl\_nameHD 133131 B b -1.000e+00  
## pl\_nameHD 134060 b -1.000e+00  
## pl\_nameHD 134060 c -1.000e+00  
## pl\_nameHD 134987 b -1.000e+00  
## pl\_nameHD 134987 c -1.000e+00  
## pl\_nameHD 135625 b -1.000e+00  
## pl\_nameHD 136118 b -1.000e+00  
## pl\_nameHD 136352 b -1.000e+00  
## pl\_nameHD 136352 c -1.000e+00  
## pl\_nameHD 136352 d -1.000e+00  
## pl\_nameHD 136925 b -1.000e+00  
## pl\_nameHD 13724 c -1.000e+00  
## pl\_nameHD 137388 b -1.000e+00  
## pl\_nameHD 137496 b -1.000e+00  
## pl\_nameHD 137496 c -6.452e-14  
## pl\_nameHD 13808 b -1.000e+00  
## pl\_nameHD 13808 c -1.000e+00  
## pl\_nameHD 13908 b -1.000e+00  
## pl\_nameHD 13908 c -1.000e+00  
## pl\_nameHD 13931 b -1.000e+00  
## pl\_nameHD 139357 b -1.000e+00  
## pl\_nameHD 1397 b -1.000e+00  
## pl\_nameHD 14067 b -1.000e+00  
## pl\_nameHD 140901 b -1.000e+00  
## pl\_nameHD 140901 c -1.000e+00  
## pl\_nameHD 141004 b -1.000e+00  
## pl\_nameHD 141399 b -1.000e+00  
## pl\_nameHD 141399 c -1.000e+00  
## pl\_nameHD 141399 d -1.000e+00  
## pl\_nameHD 141399 e -1.000e+00  
## pl\_nameHD 141937 b -1.000e+00  
## pl\_nameHD 142 A d -1.000e+00  
## pl\_nameHD 142 b -1.332e-13  
## pl\_nameHD 142 c -1.000e+00  
## pl\_nameHD 142022 A b -1.000e+00  
## pl\_nameHD 142245 b -1.000e+00  
## pl\_nameHD 142415 b 1.100e-12  
## pl\_nameHD 143105 b -1.000e+00  
## pl\_nameHD 143361 b -1.000e+00  
## pl\_nameHD 144899 b -1.000e+00  
## pl\_nameHD 145377 b -1.000e+00  
## pl\_nameHD 145457 b -1.000e+00  
## pl\_nameHD 145675 c -1.000e+00  
## pl\_nameHD 145934 b -1.000e+00  
## pl\_nameHD 1461 b -1.000e+00  
## pl\_nameHD 1461 c -1.000e+00  
## pl\_nameHD 147018 b -1.000e+00  
## pl\_nameHD 147018 c -1.000e+00  
## pl\_nameHD 147379 b -1.000e+00  
## pl\_nameHD 147513 b 1.942e-13  
## pl\_nameHD 14787 b -1.000e+00  
## pl\_nameHD 147873 b -1.000e+00  
## pl\_nameHD 147873 c 2.879e-13  
## pl\_nameHD 148156 b -1.000e+00  
## pl\_nameHD 148164 b 8.231e-13  
## pl\_nameHD 148164 c -1.000e+00  
## pl\_nameHD 148427 b -2.191e-13  
## pl\_nameHD 149026 b -1.000e+00  
## pl\_nameHD 149143 b -1.000e+00  
## pl\_nameHD 149806 b -1.000e+00  
## pl\_nameHD 150010 b -1.163e-12  
## pl\_nameHD 1502 b 9.404e-13  
## pl\_nameHD 150706 b -1.000e+00  
## pl\_nameHD 151450 b -1.000e+00  
## pl\_nameHD 151450 c -1.000e+00  
## pl\_nameHD 152079 b -1.000e+00  
## pl\_nameHD 152581 b -1.000e+00  
## pl\_nameHD 152843 b -1.000e+00  
## pl\_nameHD 15337 b -1.000e+00  
## pl\_nameHD 15337 c -1.000e+00  
## pl\_nameHD 153557 b -1.000e+00  
## pl\_nameHD 153557 c -1.000e+00  
## pl\_nameHD 153557 d -1.000e+00  
## pl\_nameHD 153950 b -5.559e-13  
## pl\_nameHD 154088 b -1.000e+00  
## pl\_nameHD 154345 b -1.000e+00  
## pl\_nameHD 154672 b -1.000e+00  
## pl\_nameHD 154857 b 7.825e-13  
## pl\_nameHD 154857 c -1.000e+00  
## pl\_nameHD 155193 b -1.454e-12  
## pl\_nameHD 155358 b -1.000e+00  
## pl\_nameHD 155358 c 1.740e-12  
## pl\_nameHD 155918 b -1.000e+00  
## pl\_nameHD 155918 c -1.000e+00  
## pl\_nameHD 156098 b -1.000e+00  
## pl\_nameHD 156098 c -1.000e+00  
## pl\_nameHD 156279 b -1.000e+00  
## pl\_nameHD 156279 c -1.000e+00  
## pl\_nameHD 156411 b -1.000e+00  
## pl\_nameHD 156668 b -1.000e+00  
## pl\_nameHD 156668 c -1.000e+00  
## pl\_nameHD 156846 b -8.066e-13  
## pl\_nameHD 158038 b -1.000e+00  
## pl\_nameHD 158996 b -1.000e+00  
## pl\_nameHD 15906 b -1.000e+00  
## pl\_nameHD 15906 c -1.000e+00  
## pl\_nameHD 159243 b -1.000e+00  
## pl\_nameHD 159243 c -1.000e+00  
## pl\_nameHD 159868 b -1.000e+00  
## pl\_nameHD 159868 c 1.383e-12  
## pl\_nameHD 1605 b -1.797e-12  
## pl\_nameHD 1605 c -1.000e+00  
## pl\_nameHD 160691 d -1.000e+00  
## pl\_nameHD 161178 b -1.000e+00  
## pl\_nameHD 16141 b -1.000e+00  
## pl\_nameHD 16175 b -1.000e+00  
## pl\_nameHD 162020 b -1.000e+00  
## pl\_nameHD 163607 b -1.000e+00  
## pl\_nameHD 163607 c -1.000e+00  
## pl\_nameHD 16417 b -1.000e+00  
## pl\_nameHD 164509 b -1.000e+00  
## pl\_nameHD 164595 b -1.000e+00  
## pl\_nameHD 164604 b 5.172e-13  
## pl\_nameHD 164922 b -1.000e+00  
## pl\_nameHD 164922 c -1.000e+00  
## pl\_nameHD 164922 d -1.000e+00  
## pl\_nameHD 164922 e -1.000e+00  
## pl\_nameHD 165131 b -1.000e+00  
## pl\_nameHD 165155 b 1.320e-12  
## pl\_nameHD 1666 b 4.379e-13  
## pl\_nameHD 166724 b -1.000e+00  
## pl\_nameHD 167042 b 9.667e-13  
## pl\_nameHD 167677 b -1.000e+00  
## pl\_nameHD 167768 b -1.000e+00  
## pl\_nameHD 168009 b -1.000e+00  
## pl\_nameHD 168443 b -1.000e+00  
## pl\_nameHD 168443 c -1.000e+00  
## pl\_nameHD 168746 b -1.000e+00  
## pl\_nameHD 168863 b -1.000e+00  
## pl\_nameHD 1690 b 3.514e-13  
## pl\_nameHD 16905 b -1.000e+00  
## pl\_nameHD 169830 b -1.000e+00  
## pl\_nameHD 169830 c -1.000e+00  
## pl\_nameHD 170469 b -1.000e+00  
## pl\_nameHD 17092 b -2.371e-13  
## pl\_nameHD 171028 b -8.731e-13  
## pl\_nameHD 171238 b -1.000e+00  
## pl\_nameHD 17156 b -1.000e+00  
## pl\_nameHD 173416 b -4.885e-13  
## pl\_nameHD 174205 b -1.000e+00  
## pl\_nameHD 175167 b -1.000e+00  
## pl\_nameHD 175541 b -4.112e-13  
## pl\_nameHD 17674 b -8.546e-13  
## pl\_nameHD 176986 b -1.000e+00  
## pl\_nameHD 176986 c -1.000e+00  
## pl\_nameHD 177565 b -1.000e+00  
## pl\_nameHD 177830 b 1.040e-12  
## pl\_nameHD 177830 c -1.000e+00  
## pl\_nameHD 178911 B b -1.000e+00  
## pl\_nameHD 179079 b -1.000e+00  
## pl\_nameHD 179949 b -1.000e+00  
## pl\_nameHD 180053 b -1.000e+00  
## pl\_nameHD 18015 b -1.000e+00  
## pl\_nameHD 180314 b 2.166e-13  
## pl\_nameHD 180617 b -1.000e+00  
## pl\_nameHD 180902 b 3.618e-13  
## pl\_nameHD 181234 b -1.000e+00  
## pl\_nameHD 181342 b -1.000e+00  
## pl\_nameHD 18143 b -1.000e+00  
## pl\_nameHD 18143 c -1.000e+00  
## pl\_nameHD 181433 b -1.000e+00  
## pl\_nameHD 181433 c -1.000e+00  
## pl\_nameHD 181433 d -1.000e+00  
## pl\_nameHD 181720 b -1.000e+00  
## pl\_nameHD 183263 b 8.366e-14  
## pl\_nameHD 183263 c -1.000e+00  
## pl\_nameHD 183579 b -1.000e+00  
## pl\_nameHD 184010 b 9.707e-13  
## pl\_nameHD 184010 c -2.139e-13  
## pl\_nameHD 184010 d -1.000e+00  
## pl\_nameHD 18438 b -1.000e+00  
## pl\_nameHD 185269 b -1.000e+00  
## pl\_nameHD 185283 b -1.000e+00  
## pl\_nameHD 18599 b -1.000e+00  
## pl\_nameHD 187085 b -1.000e+00  
## pl\_nameHD 187123 b -1.000e+00  
## pl\_nameHD 187123 c -1.000e+00  
## pl\_nameHD 18742 b -1.000e+00  
## pl\_nameHD 188015 b -4.761e-13  
## pl\_nameHD 188641 b -1.000e+00  
## pl\_nameHD 189567 b -1.000e+00  
## pl\_nameHD 189567 c -1.000e+00  
## pl\_nameHD 189733 b -1.000e+00  
## pl\_nameHD 190007 b -1.000e+00  
## pl\_nameHD 190228 b -1.000e+00  
## pl\_nameHD 190360 b -1.000e+00  
## pl\_nameHD 190360 c -1.000e+00  
## pl\_nameHD 190647 b -1.000e+00  
## pl\_nameHD 190984 b -1.000e+00  
## pl\_nameHD 191806 b -1.000e+00  
## pl\_nameHD 191939 b -1.000e+00  
## pl\_nameHD 191939 c -1.000e+00  
## pl\_nameHD 191939 d -1.000e+00  
## pl\_nameHD 191939 e -1.000e+00  
## pl\_nameHD 191939 f -1.000e+00  
## pl\_nameHD 191939 g -1.000e+00  
## pl\_nameHD 192263 b -1.000e+00  
## pl\_nameHD 192310 b -1.000e+00  
## pl\_nameHD 192310 c 1.059e-13  
## pl\_nameHD 192699 b 6.345e-13  
## pl\_nameHD 194490 b -1.000e+00  
## pl\_nameHD 195019 b -1.000e+00  
## pl\_nameHD 196050 b -1.000e+00  
## pl\_nameHD 196067 b -1.000e+00  
## pl\_nameHD 19615 b -1.300e-14  
## pl\_nameHD 196885 A b -1.000e+00  
## pl\_nameHD 197037 b -1.000e+00  
## pl\_nameHD 199509 b -1.000e+00  
## pl\_nameHD 19994 b 2.388e-13  
## pl\_nameHD 20003 b -1.000e+00  
## pl\_nameHD 20003 c -1.000e+00  
## pl\_nameHD 200964 b -1.000e+00  
## pl\_nameHD 200964 c -1.000e+00  
## pl\_nameHD 202206 c -1.000e+00  
## pl\_nameHD 202772 A b -1.000e+00  
## pl\_nameHD 20329 b -1.000e+00  
## pl\_nameHD 2039 b -1.000e+00  
## pl\_nameHD 204313 b -1.000e+00  
## pl\_nameHD 204313 c -1.000e+00  
## pl\_nameHD 204313 e -1.000e+00  
## pl\_nameHD 204941 b -1.000e+00  
## pl\_nameHD 205158 b -1.000e+00  
## pl\_nameHD 205739 b -1.000e+00  
## pl\_nameHD 206255 b -1.000e+00  
## pl\_nameHD 206610 b -1.000e+00  
## pl\_nameHD 206893 b -1.000e+00  
## pl\_nameHD 206893 c -1.000e+00  
## pl\_nameHD 207496 b -1.000e+00  
## pl\_nameHD 20781 b -1.000e+00  
## pl\_nameHD 20781 c -1.000e+00  
## pl\_nameHD 20781 d -1.000e+00  
## pl\_nameHD 20781 e -1.000e+00  
## pl\_nameHD 20782 b 6.679e-13  
## pl\_nameHD 207832 b -1.000e+00  
## pl\_nameHD 207832 c -1.000e+00  
## pl\_nameHD 207897 b -1.000e+00  
## pl\_nameHD 20794 b -1.000e+00  
## pl\_nameHD 20794 c -1.000e+00  
## pl\_nameHD 20794 d -1.000e+00  
## pl\_nameHD 20794 e -1.000e+00  
## pl\_nameHD 208487 b -1.000e+00  
## pl\_nameHD 208527 b -1.000e+00  
## pl\_nameHD 20868 b 7.172e-13  
## pl\_nameHD 208897 b 9.840e-14  
## pl\_nameHD 209458 b -1.000e+00  
## pl\_nameHD 210193 b -2.608e-13  
## pl\_nameHD 210277 b 8.394e-13  
## pl\_nameHD 210702 b -1.312e-12  
## pl\_nameHD 211403 b -1.000e+00  
## pl\_nameHD 211810 b -1.000e+00  
## pl\_nameHD 211970 b -1.000e+00  
## pl\_nameHD 212301 b -1.000e+00  
## pl\_nameHD 212771 b -8.458e-13  
## pl\_nameHD 213240 b -1.000e+00  
## pl\_nameHD 213472 b -1.000e+00  
## pl\_nameHD 213519 b -1.000e+00  
## pl\_nameHD 213885 b -1.000e+00  
## pl\_nameHD 213885 c -1.000e+00  
## pl\_nameHD 21411 b -1.000e+00  
## pl\_nameHD 214823 b -1.000e+00  
## pl\_nameHD 215152 b -1.000e+00  
## pl\_nameHD 215152 c -1.000e+00  
## pl\_nameHD 215152 d -1.000e+00  
## pl\_nameHD 215152 e -1.000e+00  
## pl\_nameHD 215497 b -1.000e+00  
## pl\_nameHD 215497 c -5.953e-13  
## pl\_nameHD 216435 b -1.000e+00  
## pl\_nameHD 216437 b -1.000e+00  
## pl\_nameHD 216520 b -1.000e+00  
## pl\_nameHD 216520 c -1.000e+00  
## pl\_nameHD 216536 b -1.000e+00  
## pl\_nameHD 216770 b -1.000e+00  
## pl\_nameHD 21693 b -1.000e+00  
## pl\_nameHD 21693 c -1.000e+00  
## pl\_nameHD 217107 b -1.000e+00  
## pl\_nameHD 217107 c -1.000e+00  
## pl\_nameHD 217786 b -1.000e+00  
## pl\_nameHD 217786 c -1.000e+00  
## pl\_nameHD 217958 b -1.000e+00  
## pl\_nameHD 218566 b -1.000e+00  
## pl\_nameHD 219077 b -1.000e+00  
## pl\_nameHD 219134 b -1.000e+00  
## pl\_nameHD 219134 c -1.000e+00  
## pl\_nameHD 219134 g -1.000e+00  
## pl\_nameHD 219134 h -1.000e+00  
## pl\_nameHD 219139 b 1.105e-12  
## pl\_nameHD 219415 b -1.000e+00  
## pl\_nameHD 219666 b -1.000e+00  
## pl\_nameHD 219828 b -1.000e+00  
## pl\_nameHD 219828 c -1.000e+00  
## pl\_nameHD 220074 b -1.000e+00  
## pl\_nameHD 220197 b -1.000e+00  
## pl\_nameHD 220689 b -1.000e+00  
## pl\_nameHD 220773 b -1.000e+00  
## pl\_nameHD 220842 b -1.000e+00  
## pl\_nameHD 221287 b -2.744e-13  
## pl\_nameHD 221416 b -1.000e+00  
## pl\_nameHD 221420 b -1.000e+00  
## pl\_nameHD 221585 b -1.000e+00  
## pl\_nameHD 222076 b -1.000e+00  
## pl\_nameHD 222155 b -1.000e+00  
## pl\_nameHD 222582 b -4.893e-13  
## pl\_nameHD 224538 b -1.000e+00  
## pl\_nameHD 224693 b -1.000e+00  
## pl\_nameHD 22532 b -1.000e+00  
## pl\_nameHD 22781 b 1.129e-13  
## pl\_nameHD 23079 b -1.000e+00  
## pl\_nameHD 23127 b -1.000e+00  
## pl\_nameHD 231701 b -1.000e+00  
## pl\_nameHD 233604 b -1.000e+00  
## pl\_nameHD 233832 b -1.000e+00  
## pl\_nameHD 23472 b -1.000e+00  
## pl\_nameHD 23472 c -1.000e+00  
## pl\_nameHD 23472 d -1.000e+00  
## pl\_nameHD 23472 e -1.000e+00  
## pl\_nameHD 23472 f -1.000e+00  
## pl\_nameHD 23596 b -1.000e+00  
## pl\_nameHD 238090 b -1.000e+00  
## pl\_nameHD 238914 b -1.000e+00  
## pl\_nameHD 240210 b 8.602e-14  
## pl\_nameHD 240237 b -1.000e+00  
## pl\_nameHD 24040 b -1.000e+00  
## pl\_nameHD 24040 c -8.242e-13  
## pl\_nameHD 24064 b 1.169e-12  
## pl\_nameHD 24085 b -1.000e+00  
## pl\_nameHD 25015 b -1.000e+00  
## pl\_nameHD 25171 b -1.000e+00  
## pl\_nameHD 25723 b -2.426e-13  
## pl\_nameHD 25912 b -1.000e+00  
## pl\_nameHD 25912 c -1.000e+00  
## pl\_nameHD 260655 b -1.000e+00  
## pl\_nameHD 260655 c -1.000e+00  
## pl\_nameHD 26161 b -1.000e+00  
## pl\_nameHD 2638 b -1.000e+00  
## pl\_nameHD 2685 b -1.000e+00  
## pl\_nameHD 27442 b -3.272e-13  
## pl\_nameHD 27631 b -1.000e+00  
## pl\_nameHD 27894 b -1.000e+00  
## pl\_nameHD 27894 c -1.000e+00  
## pl\_nameHD 27894 d -1.000e+00  
## pl\_nameHD 27969 b -1.000e+00  
## pl\_nameHD 28109 b -1.000e+00  
## pl\_nameHD 28109 c -1.000e+00  
## pl\_nameHD 28109 d -1.000e+00  
## pl\_nameHD 28185 b -3.619e-13  
## pl\_nameHD 28185 c -1.000e+00  
## pl\_nameHD 28192 b -1.000e+00  
## pl\_nameHD 28254 b -1.000e+00  
## pl\_nameHD 285507 b -1.000e+00  
## pl\_nameHD 285968 b -1.000e+00  
## pl\_nameHD 28678 b 6.472e-13  
## pl\_nameHD 29021 b -1.000e+00  
## pl\_nameHD 290327 b -1.000e+00  
## pl\_nameHD 29399 b -1.000e+00  
## pl\_nameHD 2952 b 7.299e-13  
## pl\_nameHD 29985 b -1.000e+00  
## pl\_nameHD 30177 b -1.000e+00  
## pl\_nameHD 30177 c -1.000e+00  
## pl\_nameHD 30562 b -1.000e+00  
## pl\_nameHD 30669 b -1.000e+00  
## pl\_nameHD 30856 b -1.000e+00  
## pl\_nameHD 31253 b -4.015e-13  
## pl\_nameHD 31527 b -1.000e+00  
## pl\_nameHD 31527 c -1.000e+00  
## pl\_nameHD 31527 d -1.000e+00  
## pl\_nameHD 3167 b -1.000e+00  
## pl\_nameHD 3167 c -1.000e+00  
## pl\_nameHD 3167 d -1.000e+00  
## pl\_nameHD 3167 e -1.000e+00  
## pl\_nameHD 32518 b -1.000e+00  
## pl\_nameHD 32963 b -1.000e+00  
## pl\_nameHD 330075 b -1.000e+00  
## pl\_nameHD 331093 b 1.863e-13  
## pl\_nameHD 33142 b -3.269e-13  
## pl\_nameHD 33142 c -1.000e+00  
## pl\_nameHD 33142 d -1.000e+00  
## pl\_nameHD 332231 b -1.000e+00  
## pl\_nameHD 33283 b -1.000e+00  
## pl\_nameHD 33564 b -1.714e-14  
## pl\_nameHD 33844 b -1.000e+00  
## pl\_nameHD 33844 c -1.000e+00  
## pl\_nameHD 34445 b -1.000e+00  
## pl\_nameHD 34445 c -1.000e+00  
## pl\_nameHD 34445 d -1.000e+00  
## pl\_nameHD 34445 e -1.000e+00  
## pl\_nameHD 34445 f -1.000e+00  
## pl\_nameHD 34445 g -1.000e+00  
## pl\_nameHD 35759 b -1.000e+00  
## pl\_nameHD 360 b 8.374e-13  
## pl\_nameHD 36384 b 5.466e-13  
## pl\_nameHD 3651 b -1.000e+00  
## pl\_nameHD 37124 b -1.000e+00  
## pl\_nameHD 37124 c -1.000e+00  
## pl\_nameHD 37124 d -1.000e+00  
## pl\_nameHD 37605 b -1.000e+00  
## pl\_nameHD 37605 c -1.000e+00  
## pl\_nameHD 3765 b -1.000e+00  
## pl\_nameHD 38283 b 5.930e-13  
## pl\_nameHD 38529 b -1.000e+00  
## pl\_nameHD 38529 c -1.000e+00  
## pl\_nameHD 38801 b -1.000e+00  
## pl\_nameHD 39091 b -1.000e+00  
## pl\_nameHD 39194 b -1.000e+00  
## pl\_nameHD 39194 c -1.000e+00  
## pl\_nameHD 39194 d -1.000e+00  
## pl\_nameHD 39855 b -1.000e+00  
## pl\_nameHD 40307 b -1.000e+00  
## pl\_nameHD 40307 c -1.000e+00  
## pl\_nameHD 40307 d -1.000e+00  
## pl\_nameHD 40307 f -1.000e+00  
## pl\_nameHD 40307 g -1.000e+00  
## pl\_nameHD 40956 b 1.139e-12  
## pl\_nameHD 40979 b -1.000e+00  
## pl\_nameHD 4113 b 1.021e-12  
## pl\_nameHD 42012 b -1.000e+00  
## pl\_nameHD 4203 b 6.299e-13  
## pl\_nameHD 4203 c -1.000e+00  
## pl\_nameHD 4208 b -1.000e+00  
## pl\_nameHD 42618 b -1.000e+00  
## pl\_nameHD 4308 b -1.000e+00  
## pl\_nameHD 4313 b -6.202e-13  
## pl\_nameHD 43197 b -1.000e+00  
## pl\_nameHD 43197 c -1.000e+00  
## pl\_nameHD 43691 b -1.000e+00  
## pl\_nameHD 44219 b -1.941e-13  
## pl\_nameHD 45184 b -1.000e+00  
## pl\_nameHD 45184 c -1.000e+00  
## pl\_nameHD 45350 b -1.000e+00  
## pl\_nameHD 45364 b -1.000e+00  
## pl\_nameHD 45364 c 2.414e-13  
## pl\_nameHD 45652 b -1.000e+00  
## pl\_nameHD 457 b -1.000e+00  
## pl\_nameHD 46375 b -1.000e+00  
## pl\_nameHD 47186 b -1.000e+00  
## pl\_nameHD 47186 c -1.000e+00  
## pl\_nameHD 4732 b 2.588e-13  
## pl\_nameHD 4732 c -1.000e+00  
## pl\_nameHD 47366 b -9.537e-13  
## pl\_nameHD 47366 c -1.000e+00  
## pl\_nameHD 47536 b -1.000e+00  
## pl\_nameHD 4760 b 7.551e-13  
## pl\_nameHD 48265 b -1.000e+00  
## pl\_nameHD 4917 b 5.753e-13  
## pl\_nameHD 49674 b -1.000e+00  
## pl\_nameHD 50499 b -1.000e+00  
## pl\_nameHD 50499 c -1.000e+00  
## pl\_nameHD 50554 b -1.000e+00  
## pl\_nameHD 51608 b -1.000e+00  
## pl\_nameHD 51608 c -1.000e+00  
## pl\_nameHD 52265 b -1.000e+00  
## pl\_nameHD 5278 b -1.000e+00  
## pl\_nameHD 5278 c -1.000e+00  
## pl\_nameHD 5319 b -1.000e+00  
## pl\_nameHD 5319 c -1.000e+00  
## pl\_nameHD 55696 b -1.000e+00  
## pl\_nameHD 5583 b -1.000e+00  
## pl\_nameHD 5608 b -1.000e+00  
## pl\_nameHD 564 b 4.775e-13  
## pl\_nameHD 56414 b -1.000e+00  
## pl\_nameHD 56957 b -1.000e+00  
## pl\_nameHD 5891 b -1.000e+00  
## pl\_nameHD 59686 A b 2.137e-14  
## pl\_nameHD 60292 b -1.000e+00  
## pl\_nameHD 60532 b -1.000e+00  
## pl\_nameHD 60532 c -1.000e+00  
## pl\_nameHD 62364 b -1.000e+00  
## pl\_nameHD 62364 c -1.000e+00  
## pl\_nameHD 62549 b -1.000e+00  
## pl\_nameHD 63433 b -1.000e+00  
## pl\_nameHD 63433 c -1.000e+00  
## pl\_nameHD 63454 b -1.000e+00  
## pl\_nameHD 63765 b -4.387e-14  
## pl\_nameHD 64114 b -1.000e+00  
## pl\_nameHD 64121 b -1.000e+00  
## pl\_nameHD 6434 b -1.000e+00  
## pl\_nameHD 65216 b 8.466e-13  
## pl\_nameHD 65216 c -1.000e+00  
## pl\_nameHD 66141 b -6.962e-13  
## pl\_nameHD 66428 b -1.000e+00  
## pl\_nameHD 66428 c -1.000e+00  
## pl\_nameHD 67087 b 1.983e-13  
## pl\_nameHD 67087 c -1.000e+00  
## pl\_nameHD 6718 b -1.000e+00  
## pl\_nameHD 68402 b -1.000e+00  
## pl\_nameHD 68988 b -1.000e+00  
## pl\_nameHD 68988 c -1.000e+00  
## pl\_nameHD 69123 b -1.000e+00  
## pl\_nameHD 69830 b -1.000e+00  
## pl\_nameHD 69830 c -1.000e+00  
## pl\_nameHD 69830 d -1.000e+00  
## pl\_nameHD 70573 b -1.000e+00  
## pl\_nameHD 70642 b -1.000e+00  
## pl\_nameHD 7199 b -1.805e-13  
## pl\_nameHD 72490 b -1.000e+00  
## pl\_nameHD 72659 b -1.000e+00  
## pl\_nameHD 72659 c -1.000e+00  
## pl\_nameHD 72892 b -1.000e+00  
## pl\_nameHD 73256 c -1.000e+00  
## pl\_nameHD 73267 b -1.000e+00  
## pl\_nameHD 73267 c -1.000e+00  
## pl\_nameHD 73526 b -1.000e+00  
## pl\_nameHD 73526 c 9.370e-13  
## pl\_nameHD 73534 b -1.000e+00  
## pl\_nameHD 73583 b -1.000e+00  
## pl\_nameHD 73583 c -1.000e+00  
## pl\_nameHD 74156 b -1.000e+00  
## pl\_nameHD 74156 c -1.000e+00  
## pl\_nameHD 7449 b -1.000e+00  
## pl\_nameHD 74698 b -1.000e+00  
## pl\_nameHD 74698 c -1.000e+00  
## pl\_nameHD 75289 b -1.000e+00  
## pl\_nameHD 75302 b -1.000e+00  
## pl\_nameHD 75784 b -7.531e-13  
## pl\_nameHD 75784 c -1.000e+00  
## pl\_nameHD 75898 b -5.303e-13  
## pl\_nameHD 76700 b -1.000e+00  
## pl\_nameHD 76920 b 1.229e-12  
## pl\_nameHD 77338 b -1.000e+00  
## pl\_nameHD 79181 b -1.000e+00  
## pl\_nameHD 7924 b -1.000e+00  
## pl\_nameHD 7924 c -1.000e+00  
## pl\_nameHD 7924 d -1.000e+00  
## pl\_nameHD 79498 b -1.000e+00  
## pl\_nameHD 80606 b -1.000e+00  
## pl\_nameHD 80653 b -1.000e+00  
## pl\_nameHD 80869 b -1.000e+00  
## pl\_nameHD 80883 b -1.000e+00  
## pl\_nameHD 80913 b -1.000e+00  
## pl\_nameHD 81040 b -1.000e+00  
## pl\_nameHD 81688 b -1.000e+00  
## pl\_nameHD 81817 b -1.000e+00  
## pl\_nameHD 81817 c -1.000e+00  
## pl\_nameHD 82886 b -1.000e+00  
## pl\_nameHD 82943 b 1.168e-12  
## pl\_nameHD 82943 c -1.000e+00  
## pl\_nameHD 8326 b -1.000e+00  
## pl\_nameHD 83443 b -1.000e+00  
## pl\_nameHD 83443 c -1.000e+00  
## pl\_nameHD 8535 b -1.000e+00  
## pl\_nameHD 85390 b -1.310e-13  
## pl\_nameHD 85512 b -1.000e+00  
## pl\_nameHD 8574 b -1.000e+00  
## pl\_nameHD 86065 b -1.000e+00  
## pl\_nameHD 86081 b -1.000e+00  
## pl\_nameHD 86226 b -1.000e+00  
## pl\_nameHD 86226 c -1.000e+00  
## pl\_nameHD 86264 b -1.000e+00  
## pl\_nameHD 8673 b -1.000e+00  
## pl\_nameHD 86950 b -1.000e+00  
## pl\_nameHD 87646 b -1.000e+00  
## pl\_nameHD 87883 b -1.000e+00  
## pl\_nameHD 88072 b -1.000e+00  
## pl\_nameHD 88133 b -1.000e+00  
## pl\_nameHD 89307 b -1.000e+00  
## pl\_nameHD 89345 b -1.000e+00  
## pl\_nameHD 89744 b 1.016e-12  
## pl\_nameHD 89839 b -1.000e+00  
## pl\_nameHD 90156 b -1.000e+00  
## pl\_nameHD 9174 b -1.000e+00  
## pl\_nameHD 92788 b 5.116e-13  
## pl\_nameHD 92788 c -1.000e+00  
## pl\_nameHD 93083 b -1.000e+00  
## pl\_nameHD 93351 b -1.000e+00  
## pl\_nameHD 93351 c -1.000e+00  
## pl\_nameHD 93385 b -1.000e+00  
## pl\_nameHD 93385 c -1.000e+00  
## pl\_nameHD 93385 d -1.000e+00  
## pl\_nameHD 9446 b -1.000e+00  
## pl\_nameHD 9446 c -1.000e+00  
## pl\_nameHD 94771 b -1.000e+00  
## pl\_nameHD 94834 b -1.000e+00  
## pl\_nameHD 95089 b 1.064e-12  
## pl\_nameHD 95089 c -1.000e+00  
## pl\_nameHD 95127 b 6.860e-13  
## pl\_nameHD 95338 b -1.000e+00  
## pl\_nameHD 95544 b -1.000e+00  
## pl\_nameHD 95872 b -1.000e+00  
## pl\_nameHD 96063 b 1.243e-13  
## pl\_nameHD 96127 b 2.221e-13  
## pl\_nameHD 96167 b 9.778e-13  
## pl\_nameHD 96700 b -1.000e+00  
## pl\_nameHD 96700 c -1.000e+00  
## pl\_nameHD 96700 d -1.000e+00  
## pl\_nameHD 96992 b -6.916e-13  
## pl\_nameHD 97037 b -1.000e+00  
## pl\_nameHD 97658 b -1.000e+00  
## pl\_nameHD 98219 b 8.644e-13  
## pl\_nameHD 98649 b -1.000e+00  
## pl\_nameHD 98736 b -1.000e+00  
## pl\_nameHD 99109 b -1.207e-12  
## pl\_nameHD 99283 b -4.914e-13  
## pl\_nameHD 99492 b -1.000e+00  
## pl\_nameHD 99706 b -1.000e+00  
## pl\_nameHIP 105854 b -1.000e+00  
## pl\_nameHIP 107772 b -1.000e+00  
## pl\_nameHIP 107773 b -1.000e+00  
## pl\_nameHIP 109384 b 7.904e-13  
## pl\_nameHIP 109600 b -1.000e+00  
## pl\_nameHIP 114933 b -1.000e+00  
## pl\_nameHIP 116454 b -1.000e+00  
## pl\_nameHIP 12961 b -1.000e+00  
## pl\_nameHIP 14810 b -1.000e+00  
## pl\_nameHIP 14810 c -1.000e+00  
## pl\_nameHIP 14810 d -1.000e+00  
## pl\_nameHIP 19976 b -1.000e+00  
## pl\_nameHIP 21152 b -1.000e+00  
## pl\_nameHIP 34222 b -1.000e+00  
## pl\_nameHIP 35173 b -1.000e+00  
## pl\_nameHIP 35965 b -1.000e+00  
## pl\_nameHIP 38594 b -1.000e+00  
## pl\_nameHIP 38594 c -1.000e+00  
## pl\_nameHIP 4845 b -1.000e+00  
## pl\_nameHIP 48714 b -1.000e+00  
## pl\_nameHIP 5158 b -1.000e+00  
## pl\_nameHIP 5158 c -1.000e+00  
## pl\_nameHIP 54373 b -1.000e+00  
## pl\_nameHIP 54373 c -1.000e+00  
## pl\_nameHIP 54597 b -1.000e+00  
## pl\_nameHIP 55507 b -1.000e+00  
## pl\_nameHIP 56640 b -1.000e+00  
## pl\_nameHIP 57274 b -1.000e+00  
## pl\_nameHIP 57274 c -1.000e+00  
## pl\_nameHIP 57274 d -9.808e-14  
## pl\_nameHIP 5763 b -1.000e+00  
## pl\_nameHIP 63242 b -1.000e+00  
## pl\_nameHIP 65 A b -1.000e+00  
## pl\_nameHIP 65407 b -1.000e+00  
## pl\_nameHIP 65407 c -1.000e+00  
## pl\_nameHIP 65891 b -1.000e+00  
## pl\_nameHIP 67537 b -1.000e+00  
## pl\_nameHIP 67851 b -1.000e+00  
## pl\_nameHIP 67851 c -1.000e+00  
## pl\_nameHIP 70849 b -1.000e+00  
## pl\_nameHIP 71135 b -1.000e+00  
## pl\_nameHIP 74890 b -1.000e+00  
## pl\_nameHIP 75056 A b -1.000e+00  
## pl\_nameHIP 75092 b -1.000e+00  
## pl\_nameHIP 79431 b -1.000e+00  
## pl\_nameHIP 8541 b -1.000e+00  
## pl\_nameHIP 90988 b 1.543e-13  
## pl\_nameHIP 91258 b -1.000e+00  
## pl\_nameHIP 948 b -1.000e+00  
## pl\_nameHIP 9618 b -1.000e+00  
## pl\_nameHIP 97166 b -1.000e+00  
## pl\_nameHIP 97166 c -1.000e+00  
## pl\_nameHIP 97233 b -1.000e+00  
## pl\_nameHIP 99770 b -1.000e+00  
## pl\_nameHN Lib b -1.000e+00  
## pl\_nameHR 5183 b -1.000e+00  
## pl\_nameHR 810 b 8.369e-13  
## pl\_nameHR 858 b -1.000e+00  
## pl\_nameHR 858 c -1.000e+00  
## pl\_nameHR 858 d -1.000e+00  
## pl\_nameHR 8799 c -1.000e+00  
## pl\_nameHR 8799 d -1.000e+00  
## pl\_nameHR 8799 e -1.000e+00  
## pl\_nameIC 4651 9122 b -1.000e+00  
## pl\_nameiot Dra b 2.548e-14  
## pl\_nameiot Dra c -1.000e+00  
## pl\_nameK2-10 b -1.000e+00  
## pl\_nameK2-100 b -1.000e+00  
## pl\_nameK2-101 b -1.000e+00  
## pl\_nameK2-104 b -1.000e+00  
## pl\_nameK2-107 b -1.000e+00  
## pl\_nameK2-108 b -1.000e+00  
## pl\_nameK2-110 b -1.000e+00  
## pl\_nameK2-111 b -1.000e+00  
## pl\_nameK2-111 c -1.000e+00  
## pl\_nameK2-113 b -1.000e+00  
## pl\_nameK2-114 b -1.000e+00  
## pl\_nameK2-115 b -1.000e+00  
## pl\_nameK2-116 b -1.000e+00  
## pl\_nameK2-117 b -1.000e+00  
## pl\_nameK2-117 c -1.000e+00  
## pl\_nameK2-118 b -1.000e+00  
## pl\_nameK2-119 b -1.000e+00  
## pl\_nameK2-12 b -1.000e+00  
## pl\_nameK2-121 b -1.000e+00  
## pl\_nameK2-122 b -1.000e+00  
## pl\_nameK2-123 b -1.000e+00  
## pl\_nameK2-124 b -1.000e+00  
## pl\_nameK2-125 b -1.000e+00  
## pl\_nameK2-126 b -1.000e+00  
## pl\_nameK2-127 b -1.000e+00  
## pl\_nameK2-128 b -1.000e+00  
## pl\_nameK2-129 b -1.000e+00  
## pl\_nameK2-130 b -1.000e+00  
## pl\_nameK2-131 b -1.000e+00  
## pl\_nameK2-132 b -1.000e+00  
## pl\_nameK2-136 b -1.000e+00  
## pl\_nameK2-136 c -1.000e+00  
## pl\_nameK2-136 d -1.000e+00  
## pl\_nameK2-138 b -1.000e+00  
## pl\_nameK2-138 c -1.000e+00  
## pl\_nameK2-138 d -1.000e+00  
## pl\_nameK2-138 e -1.000e+00  
## pl\_nameK2-138 f -1.000e+00  
## pl\_nameK2-138 g -1.000e+00  
## pl\_nameK2-139 b -1.000e+00  
## pl\_nameK2-14 b -1.000e+00  
## pl\_nameK2-140 b -1.000e+00  
## pl\_nameK2-141 b -1.000e+00  
## pl\_nameK2-141 c -1.000e+00  
## pl\_nameK2-146 b -1.000e+00  
## pl\_nameK2-146 c -1.000e+00  
## pl\_nameK2-167 b -1.000e+00  
## pl\_nameK2-17 b -1.000e+00  
## pl\_nameK2-18 b -1.000e+00  
## pl\_nameK2-18 c -1.000e+00  
## pl\_nameK2-180 b -1.000e+00  
## pl\_nameK2-182 b -1.000e+00  
## pl\_nameK2-19 b -1.000e+00  
## pl\_nameK2-19 c -1.000e+00  
## pl\_nameK2-19 d -1.000e+00  
## pl\_nameK2-199 b -1.000e+00  
## pl\_nameK2-199 c -1.000e+00  
## pl\_nameK2-21 b -1.000e+00  
## pl\_nameK2-21 c -1.000e+00  
## pl\_nameK2-216 b -1.000e+00  
## pl\_nameK2-222 b -1.000e+00  
## pl\_nameK2-229 b -1.000e+00  
## pl\_nameK2-229 c -1.000e+00  
## pl\_nameK2-232 b -1.000e+00  
## pl\_nameK2-233 b -1.000e+00  
## pl\_nameK2-233 c -1.000e+00  
## pl\_nameK2-233 d -1.000e+00  
## pl\_nameK2-237 b -1.000e+00  
## pl\_nameK2-238 b -1.000e+00  
## pl\_nameK2-24 b -1.000e+00  
## pl\_nameK2-24 c -1.000e+00  
## pl\_nameK2-25 b -1.000e+00  
## pl\_nameK2-260 b -1.000e+00  
## pl\_nameK2-261 b -1.000e+00  
## pl\_nameK2-263 b -1.000e+00  
## pl\_nameK2-264 b -1.000e+00  
## pl\_nameK2-264 c -1.000e+00  
## pl\_nameK2-265 b -1.000e+00  
## pl\_nameK2-266 c -1.000e+00  
## pl\_nameK2-266 d -1.000e+00  
## pl\_nameK2-266 e -1.000e+00  
## pl\_nameK2-27 b -1.000e+00  
## pl\_nameK2-28 b -1.000e+00  
## pl\_nameK2-280 b -1.000e+00  
## pl\_nameK2-284 b -1.000e+00  
## pl\_nameK2-285 b -1.000e+00  
## pl\_nameK2-285 c -1.000e+00  
## pl\_nameK2-287 b -1.000e+00  
## pl\_nameK2-29 b -1.000e+00  
## pl\_nameK2-290 b -1.000e+00  
## pl\_nameK2-290 c -1.000e+00  
## pl\_nameK2-291 b -1.000e+00  
## pl\_nameK2-292 b -1.000e+00  
## pl\_nameK2-295 b -1.000e+00  
## pl\_nameK2-3 b -1.000e+00  
## pl\_nameK2-3 c -1.000e+00  
## pl\_nameK2-3 d -1.000e+00  
## pl\_nameK2-30 b -1.000e+00  
## pl\_nameK2-31 b -1.000e+00  
## pl\_nameK2-312 c -1.000e+00  
## pl\_nameK2-32 b -1.000e+00  
## pl\_nameK2-32 c -1.000e+00  
## pl\_nameK2-32 d -1.000e+00  
## pl\_nameK2-32 e -1.000e+00  
## pl\_nameK2-329 b -1.000e+00  
## pl\_nameK2-34 b -1.000e+00  
## pl\_nameK2-35 b -1.000e+00  
## pl\_nameK2-35 c -1.000e+00  
## pl\_nameK2-36 b -1.000e+00  
## pl\_nameK2-36 c -1.000e+00  
## pl\_nameK2-38 b -1.000e+00  
## pl\_nameK2-38 c -1.000e+00  
## pl\_nameK2-39 b -1.000e+00  
## pl\_nameK2-4 b -1.000e+00  
## pl\_nameK2-43 b -1.000e+00  
## pl\_nameK2-45 b -1.000e+00  
## pl\_nameK2-55 b -1.000e+00  
## pl\_nameK2-60 b -1.000e+00  
## pl\_nameK2-66 b -1.000e+00  
## pl\_nameK2-72 b -1.000e+00  
## pl\_nameK2-72 c -1.000e+00  
## pl\_nameK2-72 d -1.000e+00  
## pl\_nameK2-72 e -1.000e+00  
## pl\_nameK2-79 b -1.000e+00  
## pl\_nameK2-81 b -1.000e+00  
## pl\_nameK2-83 b -1.000e+00  
## pl\_nameK2-83 c -1.000e+00  
## pl\_nameK2-85 b -1.000e+00  
## pl\_nameK2-88 b -1.000e+00  
## pl\_nameK2-89 b -1.000e+00  
## pl\_nameK2-90 b -1.000e+00  
## pl\_nameK2-90 c -1.000e+00  
## pl\_nameK2-91 b -1.000e+00  
## pl\_nameK2-95 b -1.000e+00  
## pl\_nameK2-97 b -1.000e+00  
## pl\_nameK2-98 b -1.000e+00  
## pl\_nameK2-99 b -1.000e+00  
## pl\_namekap CrB b -1.000e+00  
## pl\_nameKapteyn c -1.000e+00  
## pl\_nameKELT-1 b -1.000e+00  
## pl\_nameKELT-11 b -1.000e+00  
## pl\_nameKELT-12 b -1.000e+00  
## pl\_nameKELT-14 b -1.000e+00  
## pl\_nameKELT-15 b -1.000e+00  
## pl\_nameKELT-16 b -1.000e+00  
## pl\_nameKELT-18 b -1.000e+00  
## pl\_nameKELT-2 A b -1.000e+00  
## pl\_nameKELT-20 b -1.000e+00  
## pl\_nameKELT-21 b -1.000e+00  
## pl\_nameKELT-23 A b -1.000e+00  
## pl\_nameKELT-24 b -1.000e+00  
## pl\_nameKELT-3 b -1.000e+00  
## pl\_nameKELT-4 A b -1.000e+00  
## pl\_nameKELT-6 b -1.000e+00  
## pl\_nameKELT-6 c -1.000e+00  
## pl\_nameKELT-7 b -1.000e+00  
## pl\_nameKELT-8 b -1.000e+00  
## pl\_nameKELT-9 b -1.000e+00  
## pl\_nameKepler-10 b -1.000e+00  
## pl\_nameKepler-10 c -1.000e+00  
## pl\_nameKepler-10 d -1.000e+00  
## pl\_nameKepler-100 b -1.000e+00  
## pl\_nameKepler-1000 b -1.000e+00  
## pl\_nameKepler-1001 b -1.000e+00  
## pl\_nameKepler-1001 c -1.000e+00  
## pl\_nameKepler-1002 b -1.000e+00  
## pl\_nameKepler-1003 b -1.000e+00  
## pl\_nameKepler-1004 b -1.000e+00  
## pl\_nameKepler-1005 b -1.000e+00  
## pl\_nameKepler-1007 b -1.000e+00  
## pl\_nameKepler-1008 b -1.000e+00  
## pl\_nameKepler-1009 b -1.000e+00  
## pl\_nameKepler-101 b -1.000e+00  
## pl\_nameKepler-101 c -1.000e+00  
## pl\_nameKepler-1010 b -1.000e+00  
## pl\_nameKepler-1011 b -1.000e+00  
## pl\_nameKepler-1012 b -1.000e+00  
## pl\_nameKepler-1013 b -1.000e+00  
## pl\_nameKepler-1014 b -1.000e+00  
## pl\_nameKepler-1015 b -1.000e+00  
## pl\_nameKepler-1016 b -1.000e+00  
## pl\_nameKepler-1016 c -1.000e+00  
## pl\_nameKepler-1017 b -1.000e+00  
## pl\_nameKepler-1018 b -1.000e+00  
## pl\_nameKepler-1019 b -1.000e+00  
## pl\_nameKepler-102 b -1.000e+00  
## pl\_nameKepler-102 c -1.000e+00  
## pl\_nameKepler-102 d -1.000e+00  
## pl\_nameKepler-102 e -1.000e+00  
## pl\_nameKepler-102 f -1.000e+00  
## pl\_nameKepler-1020 b -1.000e+00  
## pl\_nameKepler-1021 b -1.000e+00  
## pl\_nameKepler-1022 b -1.000e+00  
## pl\_nameKepler-1023 b -1.000e+00  
## pl\_nameKepler-1024 b -1.000e+00  
## pl\_nameKepler-1025 b -1.000e+00  
## pl\_nameKepler-1026 b -1.000e+00  
## pl\_nameKepler-1027 b -1.000e+00  
## pl\_nameKepler-1028 b -1.000e+00  
## pl\_nameKepler-1029 b -1.000e+00  
## pl\_nameKepler-103 b -1.000e+00  
## pl\_nameKepler-103 c -1.000e+00  
## pl\_nameKepler-1030 b -1.000e+00  
## pl\_nameKepler-1032 b -1.000e+00  
## pl\_nameKepler-1033 b -1.000e+00  
## pl\_nameKepler-1034 b -1.000e+00  
## pl\_nameKepler-1035 b -1.000e+00  
## pl\_nameKepler-1036 b -1.000e+00  
## pl\_nameKepler-1037 b -1.000e+00  
## pl\_nameKepler-1038 b -1.000e+00  
## pl\_nameKepler-1038 c -1.000e+00  
## pl\_nameKepler-1039 b -1.000e+00  
## pl\_nameKepler-104 b -1.000e+00  
## pl\_nameKepler-104 c -1.000e+00  
## pl\_nameKepler-104 d -1.000e+00  
## pl\_nameKepler-1040 b -1.000e+00  
## pl\_nameKepler-1041 b -1.000e+00  
## pl\_nameKepler-1042 b -1.000e+00  
## pl\_nameKepler-1043 b -1.000e+00  
## pl\_nameKepler-1044 b -1.000e+00  
## pl\_nameKepler-1045 b -1.000e+00  
## pl\_nameKepler-1046 b -1.000e+00  
## pl\_nameKepler-1047 b -1.000e+00  
## pl\_nameKepler-1047 c -1.000e+00  
## pl\_nameKepler-1048 b -1.000e+00  
## pl\_nameKepler-1049 b -1.000e+00  
## pl\_nameKepler-105 b -1.000e+00  
## pl\_nameKepler-105 c -1.000e+00  
## pl\_nameKepler-1050 b -1.000e+00  
## pl\_nameKepler-1050 c -1.000e+00  
## pl\_nameKepler-1051 b -1.000e+00  
## pl\_nameKepler-1052 b -1.000e+00  
## pl\_nameKepler-1052 c -1.000e+00  
## pl\_nameKepler-1053 b -1.000e+00  
## pl\_nameKepler-1054 b -1.000e+00  
## pl\_nameKepler-1055 b -1.000e+00  
## pl\_nameKepler-1056 b -1.000e+00  
## pl\_nameKepler-1057 b -1.000e+00  
## pl\_nameKepler-1058 b -1.000e+00  
## pl\_nameKepler-1059 b -1.000e+00  
## pl\_nameKepler-106 c -1.000e+00  
## pl\_nameKepler-106 e -1.000e+00  
## pl\_nameKepler-1060 b -1.000e+00  
## pl\_nameKepler-1061 b -1.000e+00  
## pl\_nameKepler-1062 b -1.000e+00  
## pl\_nameKepler-1064 b -1.000e+00  
## pl\_nameKepler-1065 b -1.000e+00  
## pl\_nameKepler-1065 c -1.000e+00  
## pl\_nameKepler-1066 b -1.000e+00  
## pl\_nameKepler-1067 b -1.000e+00  
## pl\_nameKepler-1067 c -1.000e+00  
## pl\_nameKepler-1068 b -1.000e+00  
## pl\_nameKepler-1069 b -1.000e+00  
## pl\_nameKepler-107 b -1.000e+00  
## pl\_nameKepler-107 c -1.000e+00  
## pl\_nameKepler-107 d -1.000e+00  
## pl\_nameKepler-107 e -1.000e+00  
## pl\_nameKepler-1070 b -1.000e+00  
## pl\_nameKepler-1071 b -1.000e+00  
## pl\_nameKepler-1072 b -1.000e+00  
## pl\_nameKepler-1073 b -1.000e+00  
## pl\_nameKepler-1073 c -1.000e+00  
## pl\_nameKepler-1073 d -1.000e+00  
## pl\_nameKepler-1074 b -1.000e+00  
## pl\_nameKepler-1075 b -1.000e+00  
## pl\_nameKepler-1076 b -1.000e+00  
## pl\_nameKepler-1077 b -1.000e+00  
## pl\_nameKepler-1078 b -1.000e+00  
## pl\_nameKepler-108 b -1.000e+00  
## pl\_nameKepler-108 c -1.000e+00  
## pl\_nameKepler-1080 b -1.000e+00  
## pl\_nameKepler-1081 b -1.000e+00  
## pl\_nameKepler-1082 b -1.000e+00  
## pl\_nameKepler-1083 b -1.000e+00  
## pl\_nameKepler-1084 b -1.000e+00  
## pl\_nameKepler-1085 b -1.000e+00  
## pl\_nameKepler-1085 c -1.000e+00  
## pl\_nameKepler-1086 b -1.000e+00  
## pl\_nameKepler-1086 c -1.000e+00  
## pl\_nameKepler-1087 b -1.000e+00  
## pl\_nameKepler-1088 b -1.000e+00  
## pl\_nameKepler-1089 b -1.000e+00  
## pl\_nameKepler-109 b -1.000e+00  
## pl\_nameKepler-109 c -1.000e+00  
## pl\_nameKepler-1090 b -1.000e+00  
## pl\_nameKepler-1090 c -1.000e+00  
## pl\_nameKepler-1091 b -1.000e+00  
## pl\_nameKepler-1092 b -1.000e+00  
## pl\_nameKepler-1093 b -1.000e+00  
## pl\_nameKepler-1093 c -1.000e+00  
## pl\_nameKepler-1094 b -1.000e+00  
## pl\_nameKepler-1095 b -1.000e+00  
## pl\_nameKepler-1096 b -1.000e+00  
## pl\_nameKepler-1097 b -1.000e+00  
## pl\_nameKepler-1098 b -1.000e+00  
## pl\_nameKepler-1099 b -1.000e+00  
## pl\_nameKepler-11 b -1.000e+00  
## pl\_nameKepler-11 c -1.000e+00  
## pl\_nameKepler-11 d -1.000e+00  
## pl\_nameKepler-11 e -1.000e+00  
## pl\_nameKepler-11 f -1.000e+00  
## pl\_nameKepler-11 g -1.000e+00  
## pl\_nameKepler-110 b -1.000e+00  
## pl\_nameKepler-110 c -1.000e+00  
## pl\_nameKepler-1100 b -1.000e+00  
## pl\_nameKepler-1101 b -1.000e+00  
## pl\_nameKepler-1102 b -1.000e+00  
## pl\_nameKepler-1103 b -1.000e+00  
## pl\_nameKepler-1104 b -1.000e+00  
## pl\_nameKepler-1105 b -1.000e+00  
## pl\_nameKepler-1106 b -1.000e+00  
## pl\_nameKepler-1107 b -1.000e+00  
## pl\_nameKepler-1108 b -1.000e+00  
## pl\_nameKepler-1109 b -1.000e+00  
## pl\_nameKepler-111 b -1.000e+00  
## pl\_nameKepler-111 c -1.000e+00  
## pl\_nameKepler-1110 b -1.000e+00  
## pl\_nameKepler-1111 b -1.000e+00  
## pl\_nameKepler-1112 b -1.000e+00  
## pl\_nameKepler-1113 b -1.000e+00  
## pl\_nameKepler-1114 b -1.000e+00  
## pl\_nameKepler-1115 b -1.000e+00  
## pl\_nameKepler-1116 b -1.000e+00  
## pl\_nameKepler-1117 b -1.000e+00  
## pl\_nameKepler-1118 b -1.000e+00  
## pl\_nameKepler-1119 b -1.000e+00  
## pl\_nameKepler-112 b -1.000e+00  
## pl\_nameKepler-112 c -1.000e+00  
## pl\_nameKepler-1120 b -1.000e+00  
## pl\_nameKepler-1121 b -1.000e+00  
## pl\_nameKepler-1122 b -1.000e+00  
## pl\_nameKepler-1123 b -1.000e+00  
## pl\_nameKepler-1124 b -1.000e+00  
## pl\_nameKepler-1125 b -1.000e+00  
## pl\_nameKepler-1126 b -1.000e+00  
## pl\_nameKepler-1126 c -1.000e+00  
## pl\_nameKepler-1127 b -1.000e+00  
## pl\_nameKepler-1128 b -1.000e+00  
## pl\_nameKepler-1129 b -1.000e+00  
## pl\_nameKepler-1129 c -1.000e+00  
## pl\_nameKepler-113 b -1.000e+00  
## pl\_nameKepler-1130 b -1.000e+00  
## pl\_nameKepler-1130 c -1.000e+00  
## pl\_nameKepler-1130 d -1.000e+00  
## pl\_nameKepler-1131 b -1.000e+00  
## pl\_nameKepler-1132 b -1.000e+00  
## pl\_nameKepler-1133 b -1.000e+00  
## pl\_nameKepler-1134 b -1.000e+00  
## pl\_nameKepler-1135 b -1.000e+00  
## pl\_nameKepler-1136 b -1.000e+00  
## pl\_nameKepler-1137 b -1.000e+00  
## pl\_nameKepler-1138 b -1.000e+00  
## pl\_nameKepler-1139 b -1.000e+00  
## pl\_nameKepler-114 b -1.000e+00  
## pl\_nameKepler-114 c -1.000e+00  
## pl\_nameKepler-114 d -1.000e+00  
## pl\_nameKepler-1140 b -1.000e+00  
## pl\_nameKepler-1141 b -1.000e+00  
## pl\_nameKepler-1142 b -1.000e+00  
## pl\_nameKepler-1143 b -1.000e+00  
## pl\_nameKepler-1143 c -1.000e+00  
## pl\_nameKepler-1144 b -1.000e+00  
## pl\_nameKepler-1145 b -1.000e+00  
## pl\_nameKepler-1146 b -1.000e+00  
## pl\_nameKepler-1147 b -1.000e+00  
## pl\_nameKepler-1148 b -1.000e+00  
## pl\_nameKepler-1149 b -1.000e+00  
## pl\_nameKepler-115 b -1.000e+00  
## pl\_nameKepler-115 c -1.000e+00  
## pl\_nameKepler-1150 b -1.000e+00  
## pl\_nameKepler-1151 b -1.000e+00  
## pl\_nameKepler-1152 b -1.000e+00  
## pl\_nameKepler-1153 b -1.000e+00  
## pl\_nameKepler-1154 b -1.000e+00  
## pl\_nameKepler-1154 c -1.000e+00  
## pl\_nameKepler-1155 b -1.000e+00  
## pl\_nameKepler-1156 b -1.000e+00  
## pl\_nameKepler-1157 b -1.000e+00  
## pl\_nameKepler-1158 b -1.000e+00  
## pl\_nameKepler-1159 b -1.000e+00  
## pl\_nameKepler-116 b -1.000e+00  
## pl\_nameKepler-116 c -1.000e+00  
## pl\_nameKepler-1160 b -1.000e+00  
## pl\_nameKepler-1161 b -1.000e+00  
## pl\_nameKepler-1162 b -1.000e+00  
## pl\_nameKepler-1162 c -1.000e+00  
## pl\_nameKepler-1163 b -1.000e+00  
## pl\_nameKepler-1164 b -1.000e+00  
## pl\_nameKepler-1165 b -1.000e+00  
## pl\_nameKepler-1165 c -1.000e+00  
## pl\_nameKepler-1166 b -1.000e+00  
## pl\_nameKepler-1167 b -1.000e+00  
## pl\_nameKepler-1168 b -1.000e+00  
## pl\_nameKepler-1169 b -1.000e+00  
## pl\_nameKepler-117 b -1.000e+00  
## pl\_nameKepler-117 c -1.000e+00  
## pl\_nameKepler-1170 b -1.000e+00  
## pl\_nameKepler-1171 b -1.000e+00  
## pl\_nameKepler-1172 b -1.000e+00  
## pl\_nameKepler-1173 b -1.000e+00  
## pl\_nameKepler-1174 b -1.000e+00  
## pl\_nameKepler-1175 b -1.000e+00  
## pl\_nameKepler-1176 b -1.000e+00  
## pl\_nameKepler-1177 b -1.000e+00  
## pl\_nameKepler-1178 b -1.000e+00  
## pl\_nameKepler-1179 b -1.000e+00  
## pl\_nameKepler-118 b -1.000e+00  
## pl\_nameKepler-118 c -1.000e+00  
## pl\_nameKepler-1180 b -1.000e+00  
## pl\_nameKepler-1181 b -1.000e+00  
## pl\_nameKepler-1181 c -1.000e+00  
## pl\_nameKepler-1182 b -1.000e+00  
## pl\_nameKepler-1183 b -1.000e+00  
## pl\_nameKepler-1184 b -1.000e+00  
## pl\_nameKepler-1185 b -1.000e+00  
## pl\_nameKepler-1186 b -1.000e+00  
## pl\_nameKepler-1187 b -1.000e+00  
## pl\_nameKepler-1188 b -1.000e+00  
## pl\_nameKepler-1189 b -1.000e+00  
## pl\_nameKepler-119 b -1.000e+00  
## pl\_nameKepler-119 c -1.000e+00  
## pl\_nameKepler-1190 b -1.000e+00  
## pl\_nameKepler-1191 b -1.000e+00  
## pl\_nameKepler-1192 b -1.000e+00  
## pl\_nameKepler-1193 b -1.000e+00  
## pl\_nameKepler-1194 b -1.000e+00  
## pl\_nameKepler-1195 b -1.000e+00  
## pl\_nameKepler-1196 b -1.000e+00  
## pl\_nameKepler-1197 b -1.000e+00  
## pl\_nameKepler-1198 b -1.000e+00  
## pl\_nameKepler-1199 b -1.000e+00  
## pl\_nameKepler-12 b -1.000e+00  
## pl\_nameKepler-120 b -1.000e+00  
## pl\_nameKepler-120 c -1.000e+00  
## pl\_nameKepler-1200 b -1.000e+00  
## pl\_nameKepler-1201 b -1.000e+00  
## pl\_nameKepler-1202 b -1.000e+00  
## pl\_nameKepler-1203 b -1.000e+00  
## pl\_nameKepler-1204 b -1.000e+00  
## pl\_nameKepler-1205 b -1.000e+00  
## pl\_nameKepler-1206 b -1.000e+00  
## pl\_nameKepler-1207 b -1.000e+00  
## pl\_nameKepler-1208 b -1.000e+00  
## pl\_nameKepler-1209 b -1.000e+00  
## pl\_nameKepler-121 b -1.000e+00  
## pl\_nameKepler-121 c -1.000e+00  
## pl\_nameKepler-1210 b -1.000e+00  
## pl\_nameKepler-1211 b -1.000e+00  
## pl\_nameKepler-1212 b -1.000e+00  
## pl\_nameKepler-1213 b -1.000e+00  
## pl\_nameKepler-1214 b -1.000e+00  
## pl\_nameKepler-1215 b -1.000e+00  
## pl\_nameKepler-1216 b -1.000e+00  
## pl\_nameKepler-1217 b -1.000e+00  
## pl\_nameKepler-1218 b -1.000e+00  
## pl\_nameKepler-1219 b -1.000e+00  
## pl\_nameKepler-122 b -1.000e+00  
## pl\_nameKepler-122 c -1.000e+00  
## pl\_nameKepler-122 d -1.000e+00  
## pl\_nameKepler-122 e -1.000e+00  
## pl\_nameKepler-122 f -1.000e+00  
## pl\_nameKepler-1220 b -1.000e+00  
## pl\_nameKepler-1221 b -1.000e+00  
## pl\_nameKepler-1222 b -1.000e+00  
## pl\_nameKepler-1223 b -1.000e+00  
## pl\_nameKepler-1224 b -1.000e+00  
## pl\_nameKepler-1225 b -1.000e+00  
## pl\_nameKepler-1226 b -1.000e+00  
## pl\_nameKepler-1227 b -1.000e+00  
## pl\_nameKepler-1228 b -1.000e+00  
## pl\_nameKepler-1229 b -1.000e+00  
## pl\_nameKepler-123 b -1.000e+00  
## pl\_nameKepler-123 c -1.000e+00  
## pl\_nameKepler-1230 b -1.000e+00  
## pl\_nameKepler-1231 b -1.000e+00  
## pl\_nameKepler-1232 b -1.000e+00  
## pl\_nameKepler-1233 b -1.000e+00  
## pl\_nameKepler-1234 b -1.000e+00  
## pl\_nameKepler-1235 b -1.000e+00  
## pl\_nameKepler-1236 b -1.000e+00  
## pl\_nameKepler-1237 b -1.000e+00  
## pl\_nameKepler-1238 b -1.000e+00  
## pl\_nameKepler-1239 b -1.000e+00  
## pl\_nameKepler-124 b -1.000e+00  
## pl\_nameKepler-124 c -1.000e+00  
## pl\_nameKepler-124 d -1.000e+00  
## pl\_nameKepler-1240 b -1.000e+00  
## pl\_nameKepler-1241 b -1.000e+00  
## pl\_nameKepler-1242 b -1.000e+00  
## pl\_nameKepler-1243 b -1.000e+00  
## pl\_nameKepler-1244 b -1.000e+00  
## pl\_nameKepler-1245 b -1.000e+00  
## pl\_nameKepler-1245 c -1.000e+00  
## pl\_nameKepler-1246 b -1.000e+00  
## pl\_nameKepler-1247 b -1.000e+00  
## pl\_nameKepler-1248 b -1.000e+00  
## pl\_nameKepler-1249 b -1.000e+00  
## pl\_nameKepler-125 b -1.000e+00  
## pl\_nameKepler-125 c -1.000e+00  
## pl\_nameKepler-1250 b -1.000e+00  
## pl\_nameKepler-1251 b -1.000e+00  
## pl\_nameKepler-1252 b -1.000e+00  
## pl\_nameKepler-1253 b -1.000e+00  
## pl\_nameKepler-1254 b -1.000e+00  
## pl\_nameKepler-1254 c -1.000e+00  
## pl\_nameKepler-1254 d -1.000e+00  
## pl\_nameKepler-1255 b -1.000e+00  
## pl\_nameKepler-1256 b -1.000e+00  
## pl\_nameKepler-1257 b -1.000e+00  
## pl\_nameKepler-1258 b -1.000e+00  
## pl\_nameKepler-1259 b -1.000e+00  
## pl\_nameKepler-126 b -1.000e+00  
## pl\_nameKepler-126 c -1.000e+00  
## pl\_nameKepler-126 d -1.000e+00  
## pl\_nameKepler-1260 b -1.000e+00  
## pl\_nameKepler-1261 b -1.000e+00  
## pl\_nameKepler-1262 b -1.000e+00  
## pl\_nameKepler-1263 b -1.000e+00  
## pl\_nameKepler-1264 b -1.000e+00  
## pl\_nameKepler-1265 b -1.000e+00  
## pl\_nameKepler-1266 b -1.000e+00  
## pl\_nameKepler-1266 c -1.000e+00  
## pl\_nameKepler-1267 b -1.000e+00  
## pl\_nameKepler-1268 b -1.000e+00  
## pl\_nameKepler-1269 b -1.000e+00  
## pl\_nameKepler-127 b -1.000e+00  
## pl\_nameKepler-127 c -1.000e+00  
## pl\_nameKepler-127 d -1.000e+00  
## pl\_nameKepler-1270 b -1.000e+00  
## pl\_nameKepler-1271 b -1.000e+00  
## pl\_nameKepler-1272 b -1.000e+00  
## pl\_nameKepler-1273 b -1.000e+00  
## pl\_nameKepler-1274 b -1.000e+00  
## pl\_nameKepler-1275 b -1.000e+00  
## pl\_nameKepler-1276 b -1.000e+00  
## pl\_nameKepler-1277 b -1.000e+00  
## pl\_nameKepler-1278 b -1.000e+00  
## pl\_nameKepler-1279 b -1.000e+00  
## pl\_nameKepler-128 b -1.000e+00  
## pl\_nameKepler-128 c -1.000e+00  
## pl\_nameKepler-1280 b -1.000e+00  
## pl\_nameKepler-1281 b -1.000e+00  
## pl\_nameKepler-1282 b -1.000e+00  
## pl\_nameKepler-1283 b -1.000e+00  
## pl\_nameKepler-1284 b -1.000e+00  
## pl\_nameKepler-1285 b -1.000e+00  
## pl\_nameKepler-1286 b -1.000e+00  
## pl\_nameKepler-1287 b -1.000e+00  
## pl\_nameKepler-1288 b -1.000e+00  
## pl\_nameKepler-1289 b -1.000e+00  
## pl\_nameKepler-129 b -1.000e+00  
## pl\_nameKepler-129 c -1.000e+00  
## pl\_nameKepler-129 d -1.000e+00  
## pl\_nameKepler-1290 b -1.000e+00  
## pl\_nameKepler-1291 b -1.000e+00  
## pl\_nameKepler-1292 b -1.000e+00  
## pl\_nameKepler-1293 b -1.000e+00  
## pl\_nameKepler-1294 b -1.000e+00  
## pl\_nameKepler-1295 b -1.000e+00  
## pl\_nameKepler-1296 b -1.000e+00  
## pl\_nameKepler-1297 b -1.000e+00  
## pl\_nameKepler-1298 b -1.000e+00  
## pl\_nameKepler-1299 b -1.000e+00  
## pl\_nameKepler-130 b -1.000e+00  
## pl\_nameKepler-130 c -1.000e+00  
## pl\_nameKepler-130 d -1.000e+00  
## pl\_nameKepler-1300 b -1.000e+00  
## pl\_nameKepler-1301 b -1.000e+00  
## pl\_nameKepler-1302 b -1.000e+00  
## pl\_nameKepler-1303 b -1.000e+00  
## pl\_nameKepler-1304 b -1.000e+00  
## pl\_nameKepler-1305 b -1.000e+00  
## pl\_nameKepler-1306 b -1.000e+00  
## pl\_nameKepler-1307 b -1.000e+00  
## pl\_nameKepler-1308 b -1.000e+00  
## pl\_nameKepler-1309 b -1.000e+00  
## pl\_nameKepler-131 b -1.000e+00  
## pl\_nameKepler-131 c -1.000e+00  
## pl\_nameKepler-1310 b -1.000e+00  
## pl\_nameKepler-1311 b -1.000e+00  
## pl\_nameKepler-1311 c -1.000e+00  
## pl\_nameKepler-1311 d -1.000e+00  
## pl\_nameKepler-1312 b -1.000e+00  
## pl\_nameKepler-1312 c -1.000e+00  
## pl\_nameKepler-1313 b -1.000e+00  
## pl\_nameKepler-1314 b -1.000e+00  
## pl\_nameKepler-1315 b -1.000e+00  
## pl\_nameKepler-1315 c -1.000e+00  
## pl\_nameKepler-1316 b -1.000e+00  
## pl\_nameKepler-1317 b -1.000e+00  
## pl\_nameKepler-1318 b -1.000e+00  
## pl\_nameKepler-1319 b -1.000e+00  
## pl\_nameKepler-1320 b -1.000e+00  
## pl\_nameKepler-1321 b -1.000e+00  
## pl\_nameKepler-1321 c -1.000e+00  
## pl\_nameKepler-1321 d -1.000e+00  
## pl\_nameKepler-1322 b -1.000e+00  
## pl\_nameKepler-1322 c -1.000e+00  
## pl\_nameKepler-1323 b -1.000e+00  
## pl\_nameKepler-1324 b -1.000e+00  
## pl\_nameKepler-1325 b -1.000e+00  
## pl\_nameKepler-1326 b -1.000e+00  
## pl\_nameKepler-1327 b -1.000e+00  
## pl\_nameKepler-1328 b -1.000e+00  
## pl\_nameKepler-1329 b -1.000e+00  
## pl\_nameKepler-133 b -1.000e+00  
## pl\_nameKepler-133 c -1.000e+00  
## pl\_nameKepler-1330 b -1.000e+00  
## pl\_nameKepler-1331 b -1.000e+00  
## pl\_nameKepler-1332 b -1.000e+00  
## pl\_nameKepler-1333 b -1.000e+00  
## pl\_nameKepler-1334 b -1.000e+00  
## pl\_nameKepler-1335 b -1.000e+00  
## pl\_nameKepler-1336 b -1.000e+00  
## pl\_nameKepler-1336 c -1.000e+00  
## pl\_nameKepler-1337 b -1.000e+00  
## pl\_nameKepler-1338 b -1.000e+00  
## pl\_nameKepler-1339 b -1.000e+00  
## pl\_nameKepler-134 b -1.000e+00  
## pl\_nameKepler-134 c -1.000e+00  
## pl\_nameKepler-1340 b -1.000e+00  
## pl\_nameKepler-1341 b -1.000e+00  
## pl\_nameKepler-1342 b -1.000e+00  
## pl\_nameKepler-1343 b -1.000e+00  
## pl\_nameKepler-1344 b -1.000e+00  
## pl\_nameKepler-1345 b -1.000e+00  
## pl\_nameKepler-1346 b -1.000e+00  
## pl\_nameKepler-1347 b -1.000e+00  
## pl\_nameKepler-1348 b -1.000e+00  
## pl\_nameKepler-1349 b -1.000e+00  
## pl\_nameKepler-135 b -1.000e+00  
## pl\_nameKepler-135 c -1.000e+00  
## pl\_nameKepler-1350 b -1.000e+00  
## pl\_nameKepler-1350 c -1.000e+00  
## pl\_nameKepler-1351 b -1.000e+00  
## pl\_nameKepler-1352 b -1.000e+00  
## pl\_nameKepler-1353 b -1.000e+00  
## pl\_nameKepler-1354 b -1.000e+00  
## pl\_nameKepler-1355 b -1.000e+00  
## pl\_nameKepler-1356 b -1.000e+00  
## pl\_nameKepler-1357 b -1.000e+00  
## pl\_nameKepler-1358 b -1.000e+00  
## pl\_nameKepler-1359 b -1.000e+00  
## pl\_nameKepler-136 b -1.000e+00  
## pl\_nameKepler-136 c -1.000e+00  
## pl\_nameKepler-1360 b -1.000e+00  
## pl\_nameKepler-1361 b -1.000e+00  
## pl\_nameKepler-1362 b -1.000e+00  
## pl\_nameKepler-1363 b -1.000e+00  
## pl\_nameKepler-1364 b -1.000e+00  
## pl\_nameKepler-1365 b -1.000e+00  
## pl\_nameKepler-1365 c -1.000e+00  
## pl\_nameKepler-1366 b -1.000e+00  
## pl\_nameKepler-1367 b -1.000e+00  
## pl\_nameKepler-1368 b -1.000e+00  
## pl\_nameKepler-1369 b -1.000e+00  
## pl\_nameKepler-137 b -1.000e+00  
## pl\_nameKepler-137 c -1.000e+00  
## pl\_nameKepler-1370 b -1.000e+00  
## pl\_nameKepler-1370 c -1.000e+00  
## pl\_nameKepler-1371 b -1.000e+00  
## pl\_nameKepler-1371 c -1.000e+00  
## pl\_nameKepler-1372 b -1.000e+00  
## pl\_nameKepler-1373 b -1.000e+00  
## pl\_nameKepler-1374 b -1.000e+00  
## pl\_nameKepler-1375 b -1.000e+00  
## pl\_nameKepler-1376 b -1.000e+00  
## pl\_nameKepler-1377 b -1.000e+00  
## pl\_nameKepler-1378 b -1.000e+00  
## pl\_nameKepler-1379 b -1.000e+00  
## pl\_nameKepler-138 b -1.000e+00  
## pl\_nameKepler-138 c -1.000e+00  
## pl\_nameKepler-138 d -1.000e+00  
## pl\_nameKepler-138 e -1.000e+00  
## pl\_nameKepler-1380 b -1.000e+00  
## pl\_nameKepler-1381 b -1.000e+00  
## pl\_nameKepler-1382 b -1.000e+00  
## pl\_nameKepler-1383 b -1.000e+00  
## pl\_nameKepler-1384 b -1.000e+00  
## pl\_nameKepler-1385 b -1.000e+00  
## pl\_nameKepler-1386 b -1.000e+00  
## pl\_nameKepler-1387 b -1.000e+00  
## pl\_nameKepler-1388 b -1.000e+00  
## pl\_nameKepler-1388 c -1.000e+00  
## pl\_nameKepler-1388 d -1.000e+00  
## pl\_nameKepler-1388 e -1.000e+00  
## pl\_nameKepler-1389 b -1.000e+00  
## pl\_nameKepler-139 b -1.000e+00  
## pl\_nameKepler-139 c -1.000e+00  
## pl\_nameKepler-1390 b -1.000e+00  
## pl\_nameKepler-1391 b -1.000e+00  
## pl\_nameKepler-1392 b -1.000e+00  
## pl\_nameKepler-1393 b -1.000e+00  
## pl\_nameKepler-1394 b -1.000e+00  
## pl\_nameKepler-1395 b -1.000e+00  
## pl\_nameKepler-1396 b -1.000e+00  
## pl\_nameKepler-1397 b -1.000e+00  
## pl\_nameKepler-1398 b -1.000e+00  
## pl\_nameKepler-1398 c -1.000e+00  
## pl\_nameKepler-1399 b -1.000e+00  
## pl\_nameKepler-140 b -1.000e+00  
## pl\_nameKepler-140 c -1.000e+00  
## pl\_nameKepler-1400 b -1.000e+00  
## pl\_nameKepler-1401 b -1.000e+00  
## pl\_nameKepler-1402 b -1.000e+00  
## pl\_nameKepler-1403 b -1.000e+00  
## pl\_nameKepler-1404 b -1.000e+00  
## pl\_nameKepler-1405 b -1.000e+00  
## pl\_nameKepler-1406 b -1.000e+00  
## pl\_nameKepler-1407 b -1.000e+00  
## pl\_nameKepler-1408 b -1.000e+00  
## pl\_nameKepler-1409 b -1.000e+00  
## pl\_nameKepler-141 b -1.000e+00  
## pl\_nameKepler-141 c -1.000e+00  
## pl\_nameKepler-1410 b -1.000e+00  
## pl\_nameKepler-1411 b -1.000e+00  
## pl\_nameKepler-1412 b -1.000e+00  
## pl\_nameKepler-1413 b -1.000e+00  
## pl\_nameKepler-1414 b -1.000e+00  
## pl\_nameKepler-1415 b -1.000e+00  
## pl\_nameKepler-1416 b -1.000e+00  
## pl\_nameKepler-1417 b -1.000e+00  
## pl\_nameKepler-1418 b -1.000e+00  
## pl\_nameKepler-1419 b -1.000e+00  
## pl\_nameKepler-142 b -1.000e+00  
## pl\_nameKepler-142 c -1.000e+00  
## pl\_nameKepler-142 d -1.000e+00  
## pl\_nameKepler-1420 b -1.000e+00  
## pl\_nameKepler-1421 b -1.000e+00  
## pl\_nameKepler-1422 b -1.000e+00  
## pl\_nameKepler-1423 b -1.000e+00  
## pl\_nameKepler-1424 b -1.000e+00  
## pl\_nameKepler-1425 b -1.000e+00  
## pl\_nameKepler-1426 b -1.000e+00  
## pl\_nameKepler-1427 b -1.000e+00  
## pl\_nameKepler-1428 b -1.000e+00  
## pl\_nameKepler-1429 b -1.000e+00  
## pl\_nameKepler-143 b -1.000e+00  
## pl\_nameKepler-143 c -1.000e+00  
## pl\_nameKepler-1430 b -1.000e+00  
## pl\_nameKepler-1431 b -1.000e+00  
## pl\_nameKepler-1432 b -1.000e+00  
## pl\_nameKepler-1434 b -1.000e+00  
## pl\_nameKepler-1435 b -1.000e+00  
## pl\_nameKepler-1436 b -1.000e+00  
## pl\_nameKepler-1437 b -1.000e+00  
## pl\_nameKepler-1438 b -1.000e+00  
## pl\_nameKepler-1439 b -1.000e+00  
## pl\_nameKepler-144 b -1.000e+00  
## pl\_nameKepler-144 c -1.000e+00  
## pl\_nameKepler-1440 b -1.000e+00  
## pl\_nameKepler-1441 b -1.000e+00  
## pl\_nameKepler-1442 b -1.000e+00  
## pl\_nameKepler-1443 b -1.000e+00  
## pl\_nameKepler-1444 b -1.000e+00  
## pl\_nameKepler-1445 b -1.000e+00  
## pl\_nameKepler-1446 b -1.000e+00  
## pl\_nameKepler-1447 b -1.000e+00  
## pl\_nameKepler-1448 b -1.000e+00  
## pl\_nameKepler-1449 b -1.000e+00  
## pl\_nameKepler-145 b -1.000e+00  
## pl\_nameKepler-145 c -1.000e+00  
## pl\_nameKepler-1450 b -1.000e+00  
## pl\_nameKepler-1451 b -1.000e+00  
## pl\_nameKepler-1452 b -1.000e+00  
## pl\_nameKepler-1453 b -1.000e+00  
## pl\_nameKepler-1454 b -1.000e+00  
## pl\_nameKepler-1455 b -1.000e+00  
## pl\_nameKepler-1456 b -1.000e+00  
## pl\_nameKepler-1457 b -1.000e+00  
## pl\_nameKepler-1458 b -1.000e+00  
## pl\_nameKepler-1459 b -1.000e+00  
## pl\_nameKepler-146 b -1.000e+00  
## pl\_nameKepler-146 c -1.000e+00  
## pl\_nameKepler-1460 b -1.000e+00  
## pl\_nameKepler-1461 b -1.000e+00  
## pl\_nameKepler-1462 b -1.000e+00  
## pl\_nameKepler-1463 b -1.000e+00  
## pl\_nameKepler-1464 b -1.000e+00  
## pl\_nameKepler-1464 c -1.000e+00  
## pl\_nameKepler-1465 b -1.000e+00  
## pl\_nameKepler-1466 b -1.000e+00  
## pl\_nameKepler-1467 b -1.000e+00  
## pl\_nameKepler-1468 b -1.000e+00  
## pl\_nameKepler-1468 c -1.000e+00  
## pl\_nameKepler-1468 d -1.000e+00  
## pl\_nameKepler-1469 b -1.000e+00  
## pl\_nameKepler-147 b -1.000e+00  
## pl\_nameKepler-147 c -1.000e+00  
## pl\_nameKepler-1470 b -1.000e+00  
## pl\_nameKepler-1471 b -1.000e+00  
## pl\_nameKepler-1471 c -1.000e+00  
## pl\_nameKepler-1472 b -1.000e+00  
## pl\_nameKepler-1473 b -1.000e+00  
## pl\_nameKepler-1474 b -1.000e+00  
## pl\_nameKepler-1475 b -1.000e+00  
## pl\_nameKepler-1476 b -1.000e+00  
## pl\_nameKepler-1477 b -1.000e+00  
## pl\_nameKepler-1478 b -1.000e+00  
## pl\_nameKepler-1479 b -1.000e+00  
## pl\_nameKepler-148 b -1.000e+00  
## pl\_nameKepler-148 c -1.000e+00  
## pl\_nameKepler-148 d -1.000e+00  
## pl\_nameKepler-1480 b -1.000e+00  
## pl\_nameKepler-1481 b -1.000e+00  
## pl\_nameKepler-1482 b -1.000e+00  
## pl\_nameKepler-1483 b -1.000e+00  
## pl\_nameKepler-1484 b -1.000e+00  
## pl\_nameKepler-1485 b -1.000e+00  
## pl\_nameKepler-1486 b -1.000e+00  
## pl\_nameKepler-1487 b -1.000e+00  
## pl\_nameKepler-1487 c -1.000e+00  
## pl\_nameKepler-1488 b -1.000e+00  
## pl\_nameKepler-1488 c -1.000e+00  
## pl\_nameKepler-1489 b -1.000e+00  
## pl\_nameKepler-149 b -1.000e+00  
## pl\_nameKepler-149 c -1.000e+00  
## pl\_nameKepler-149 d -1.000e+00  
## pl\_nameKepler-1490 b -1.000e+00  
## pl\_nameKepler-1491 b -1.000e+00  
## pl\_nameKepler-1491 c -1.000e+00  
## pl\_nameKepler-1492 b -1.000e+00  
## pl\_nameKepler-1493 b -1.000e+00  
## pl\_nameKepler-1494 b -1.000e+00  
## pl\_nameKepler-1495 b -1.000e+00  
## pl\_nameKepler-1496 b -1.000e+00  
## pl\_nameKepler-1497 b -1.000e+00  
## pl\_nameKepler-1498 b -1.000e+00  
## pl\_nameKepler-1499 b -1.000e+00  
## pl\_nameKepler-15 b -1.000e+00  
## pl\_nameKepler-150 b -1.000e+00  
## pl\_nameKepler-150 c -1.000e+00  
## pl\_nameKepler-150 d -1.000e+00  
## pl\_nameKepler-150 e -1.000e+00  
## pl\_nameKepler-1500 b -1.000e+00  
## pl\_nameKepler-1501 b -1.000e+00  
## pl\_nameKepler-1502 b -1.000e+00  
## pl\_nameKepler-1503 b -1.000e+00  
## pl\_nameKepler-1504 b -1.000e+00  
## pl\_nameKepler-1505 b -1.000e+00  
## pl\_nameKepler-1506 b -1.000e+00  
## pl\_nameKepler-1507 b -1.000e+00  
## pl\_nameKepler-1508 b -1.000e+00  
## pl\_nameKepler-1509 b -1.000e+00  
## pl\_nameKepler-151 b -1.000e+00  
## pl\_nameKepler-151 c -1.000e+00  
## pl\_nameKepler-1510 b -1.000e+00  
## pl\_nameKepler-1511 b -1.000e+00  
## pl\_nameKepler-1512 b -1.000e+00  
## pl\_nameKepler-1513 b -1.000e+00  
## pl\_nameKepler-1514 b -1.000e+00  
## pl\_nameKepler-1514 c -1.000e+00  
## pl\_nameKepler-1515 b -1.000e+00  
## pl\_nameKepler-1516 b -1.000e+00  
## pl\_nameKepler-1517 b -1.000e+00  
## pl\_nameKepler-1518 b -1.000e+00  
## pl\_nameKepler-1518 c -1.000e+00  
## pl\_nameKepler-1519 b -1.000e+00  
## pl\_nameKepler-152 b -1.000e+00  
## pl\_nameKepler-152 c -1.000e+00  
## pl\_nameKepler-1520 b -1.000e+00  
## pl\_nameKepler-1521 b -1.000e+00  
## pl\_nameKepler-1522 b -1.000e+00  
## pl\_nameKepler-1523 b -1.000e+00  
## pl\_nameKepler-1524 b -1.000e+00  
## pl\_nameKepler-1525 b -1.000e+00  
## pl\_nameKepler-1526 b -1.000e+00  
## pl\_nameKepler-1527 b -1.000e+00  
## pl\_nameKepler-1528 b -1.000e+00  
## pl\_nameKepler-1529 b -1.000e+00  
## pl\_nameKepler-153 b -1.000e+00  
## pl\_nameKepler-153 c -1.000e+00  
## pl\_nameKepler-1530 b -1.000e+00  
## pl\_nameKepler-1530 c -1.000e+00  
## pl\_nameKepler-1530 d -1.000e+00  
## pl\_nameKepler-1531 b -1.000e+00  
## pl\_nameKepler-1532 b -1.000e+00  
## pl\_nameKepler-1533 b 9.759e-14  
## pl\_nameKepler-1534 b -1.000e+00  
## pl\_nameKepler-1535 b -1.000e+00  
## pl\_nameKepler-1536 b -1.000e+00  
## pl\_nameKepler-1537 b -1.000e+00  
## pl\_nameKepler-1538 b -1.000e+00  
## pl\_nameKepler-1539 b -1.000e+00  
## pl\_nameKepler-154 b -1.000e+00  
## pl\_nameKepler-154 c -1.000e+00  
## pl\_nameKepler-154 d -1.000e+00  
## pl\_nameKepler-154 e -1.000e+00  
## pl\_nameKepler-154 f -1.000e+00  
## pl\_nameKepler-1540 b -1.000e+00  
## pl\_nameKepler-1541 b -1.000e+00  
## pl\_nameKepler-1542 b -1.000e+00  
## pl\_nameKepler-1542 c -1.000e+00  
## pl\_nameKepler-1542 d -1.000e+00  
## pl\_nameKepler-1542 e -1.000e+00  
## pl\_nameKepler-1543 b -1.000e+00  
## pl\_nameKepler-1544 b -1.000e+00  
## pl\_nameKepler-1545 b -1.000e+00  
## pl\_nameKepler-1546 b -1.000e+00  
## pl\_nameKepler-1547 b -1.000e+00  
## pl\_nameKepler-1548 b -1.000e+00  
## pl\_nameKepler-1549 b -1.000e+00  
## pl\_nameKepler-155 b -1.000e+00  
## pl\_nameKepler-155 c -1.000e+00  
## pl\_nameKepler-1550 b -1.000e+00  
## pl\_nameKepler-1551 b -1.000e+00  
## pl\_nameKepler-1552 b -1.000e+00  
## pl\_nameKepler-1553 b -1.000e+00  
## pl\_nameKepler-1554 b -1.000e+00  
## pl\_nameKepler-1555 b -1.000e+00  
## pl\_nameKepler-1556 b -1.000e+00  
## pl\_nameKepler-1557 b -1.000e+00  
## pl\_nameKepler-1558 b -1.000e+00  
## pl\_nameKepler-1559 b -1.000e+00  
## pl\_nameKepler-156 b -1.000e+00  
## pl\_nameKepler-156 c -1.000e+00  
## pl\_nameKepler-1560 b -1.000e+00  
## pl\_nameKepler-1561 b -1.000e+00  
## pl\_nameKepler-1562 b -1.000e+00  
## pl\_nameKepler-1563 b -1.000e+00  
## pl\_nameKepler-1564 b -1.000e+00  
## pl\_nameKepler-1565 b -1.000e+00  
## pl\_nameKepler-1566 b -1.000e+00  
## pl\_nameKepler-1567 b -1.000e+00  
## pl\_nameKepler-1568 b -1.000e+00  
## pl\_nameKepler-1569 b -1.000e+00  
## pl\_nameKepler-157 b -1.000e+00  
## pl\_nameKepler-157 c -1.000e+00  
## pl\_nameKepler-157 d -1.000e+00  
## pl\_nameKepler-1570 b -1.000e+00  
## pl\_nameKepler-1571 b -1.000e+00  
## pl\_nameKepler-1572 b -1.000e+00  
## pl\_nameKepler-1573 b -1.000e+00  
## pl\_nameKepler-1574 b -1.000e+00  
## pl\_nameKepler-1575 b -1.000e+00  
## pl\_nameKepler-1576 b -1.000e+00  
## pl\_nameKepler-1577 b -1.000e+00  
## pl\_nameKepler-1578 b -1.000e+00  
## pl\_nameKepler-1579 b -1.000e+00  
## pl\_nameKepler-158 b -1.000e+00  
## pl\_nameKepler-158 c -1.000e+00  
## pl\_nameKepler-1580 b -1.000e+00  
## pl\_nameKepler-1581 b -1.000e+00  
## pl\_nameKepler-1582 b -1.000e+00  
## pl\_nameKepler-1583 b -1.000e+00  
## pl\_nameKepler-1584 b -1.000e+00  
## pl\_nameKepler-1585 b -1.000e+00  
## pl\_nameKepler-1586 b -1.000e+00  
## pl\_nameKepler-1587 b -1.000e+00  
## pl\_nameKepler-1588 b -1.000e+00  
## pl\_nameKepler-1589 b -1.000e+00  
## pl\_nameKepler-159 b -1.000e+00  
## pl\_nameKepler-159 c -1.000e+00  
## pl\_nameKepler-1590 b -1.000e+00  
## pl\_nameKepler-1591 b -1.000e+00  
## pl\_nameKepler-1592 b -1.000e+00  
## pl\_nameKepler-1593 b -1.000e+00  
## pl\_nameKepler-1594 b -1.000e+00  
## pl\_nameKepler-1595 b -1.000e+00  
## pl\_nameKepler-1596 b -1.000e+00  
## pl\_nameKepler-1597 b -1.000e+00  
## pl\_nameKepler-1598 b -1.000e+00  
## pl\_nameKepler-1599 b -1.000e+00  
## pl\_nameKepler-16 b -1.000e+00  
## pl\_nameKepler-160 b -1.000e+00  
## pl\_nameKepler-160 c -1.000e+00  
## pl\_nameKepler-1600 b 5.044e-13  
## pl\_nameKepler-1600 c -1.000e+00  
## pl\_nameKepler-1601 b -1.000e+00  
## pl\_nameKepler-1602 b -1.000e+00  
## pl\_nameKepler-1603 b -1.000e+00  
## pl\_nameKepler-1604 b -1.000e+00  
## pl\_nameKepler-1605 b -1.000e+00  
## pl\_nameKepler-1606 b -1.000e+00  
## pl\_nameKepler-1607 b -1.000e+00  
## pl\_nameKepler-1608 b -1.000e+00  
## pl\_nameKepler-1609 b -1.000e+00  
## pl\_nameKepler-161 b -1.000e+00  
## pl\_nameKepler-161 c -1.000e+00  
## pl\_nameKepler-1610 b -1.000e+00  
## pl\_nameKepler-1610 c -1.000e+00  
## pl\_nameKepler-1611 b -1.000e+00  
## pl\_nameKepler-1612 b -1.000e+00  
## pl\_nameKepler-1613 b -1.000e+00  
## pl\_nameKepler-1614 b -1.000e+00  
## pl\_nameKepler-1615 b -1.000e+00  
## pl\_nameKepler-1616 b -1.000e+00  
## pl\_nameKepler-1617 b -1.000e+00  
## pl\_nameKepler-1618 b -1.000e+00  
## pl\_nameKepler-1619 b -1.000e+00  
## pl\_nameKepler-162 b -1.000e+00  
## pl\_nameKepler-162 c -1.000e+00  
## pl\_nameKepler-1620 b -1.000e+00  
## pl\_nameKepler-1621 b -1.000e+00  
## pl\_nameKepler-1622 b -1.000e+00  
## pl\_nameKepler-1623 b -1.000e+00  
## pl\_nameKepler-1624 b -1.000e+00  
## pl\_nameKepler-1625 b -1.000e+00  
## pl\_nameKepler-1626 b -1.000e+00  
## pl\_nameKepler-1627 b -1.000e+00  
## pl\_nameKepler-1628 b -1.000e+00  
## pl\_nameKepler-1629 b -1.000e+00  
## pl\_nameKepler-163 b -1.000e+00  
## pl\_nameKepler-163 c -1.000e+00  
## pl\_nameKepler-1630 b 3.060e-13  
## pl\_nameKepler-1631 b -1.000e+00  
## pl\_nameKepler-1632 b -1.000e+00  
## pl\_nameKepler-1633 b -1.000e+00  
## pl\_nameKepler-1634 b 5.227e-14  
## pl\_nameKepler-1635 b 1.272e-13  
## pl\_nameKepler-1636 b 2.943e-13  
## pl\_nameKepler-1637 b -1.000e+00  
## pl\_nameKepler-1638 b -1.000e+00  
## pl\_nameKepler-1639 b -1.000e+00  
## pl\_nameKepler-164 b -1.000e+00  
## pl\_nameKepler-164 c -1.000e+00  
## pl\_nameKepler-164 d -1.000e+00  
## pl\_nameKepler-164 e -1.000e+00  
## pl\_nameKepler-1640 b -1.000e+00  
## pl\_nameKepler-1641 b -1.000e+00  
## pl\_nameKepler-1641 c -1.000e+00  
## pl\_nameKepler-1642 b -1.000e+00  
## pl\_nameKepler-1642 c -1.000e+00  
## pl\_nameKepler-1643 b -1.000e+00  
## pl\_nameKepler-1644 b -1.000e+00  
## pl\_nameKepler-1645 b -1.000e+00  
## pl\_nameKepler-1646 b -1.000e+00  
## pl\_nameKepler-1647 b -1.000e+00  
## pl\_nameKepler-1649 b -1.000e+00  
## pl\_nameKepler-1649 c -1.000e+00  
## pl\_nameKepler-165 b -1.000e+00  
## pl\_nameKepler-165 c -1.000e+00  
## pl\_nameKepler-1650 b -1.000e+00  
## pl\_nameKepler-1651 b -1.000e+00  
## pl\_nameKepler-1652 b -1.000e+00  
## pl\_nameKepler-1654 b -1.000e+00  
## pl\_nameKepler-1655 b -1.000e+00  
## pl\_nameKepler-1656 b -1.000e+00  
## pl\_nameKepler-1656 c -1.000e+00  
## pl\_nameKepler-1658 b -1.000e+00  
## pl\_nameKepler-166 b -1.000e+00  
## pl\_nameKepler-166 c -1.000e+00  
## pl\_nameKepler-166 d -1.000e+00  
## pl\_nameKepler-1661 b -1.000e+00  
## pl\_nameKepler-1663 b -1.000e+00  
## pl\_nameKepler-1664 b -1.000e+00  
## pl\_nameKepler-1665 b -1.000e+00  
## pl\_nameKepler-1666 b -1.000e+00  
## pl\_nameKepler-1666 c -1.000e+00  
## pl\_nameKepler-1667 b -1.000e+00  
## pl\_nameKepler-1668 b -1.000e+00  
## pl\_nameKepler-1669 b -1.000e+00  
## pl\_nameKepler-1669 c -1.000e+00  
## pl\_nameKepler-1669 d -1.000e+00  
## pl\_nameKepler-167 b -1.000e+00  
## pl\_nameKepler-167 c -1.000e+00  
## pl\_nameKepler-167 d -1.000e+00  
## pl\_nameKepler-167 e -1.000e+00  
## pl\_nameKepler-1670 b -1.000e+00  
## pl\_nameKepler-1671 b -1.000e+00  
## pl\_nameKepler-1672 b -1.000e+00  
## pl\_nameKepler-1673 b -1.000e+00  
## pl\_nameKepler-1674 b -1.000e+00  
## pl\_nameKepler-1675 b -1.000e+00  
## pl\_nameKepler-1677 b -1.000e+00  
## pl\_nameKepler-1678 b -1.000e+00  
## pl\_nameKepler-1679 b -1.000e+00  
## pl\_nameKepler-168 b -1.000e+00  
## pl\_nameKepler-168 c -1.000e+00  
## pl\_nameKepler-1680 b -1.000e+00  
## pl\_nameKepler-1681 b -1.000e+00  
## pl\_nameKepler-1682 b -1.000e+00  
## pl\_nameKepler-1683 b -1.000e+00  
## pl\_nameKepler-1684 b -1.000e+00  
## pl\_nameKepler-1685 b -1.000e+00  
## pl\_nameKepler-1686 b -1.000e+00  
## pl\_nameKepler-1687 b -1.000e+00  
## pl\_nameKepler-1688 b -1.000e+00  
## pl\_nameKepler-1689 b -1.000e+00  
## pl\_nameKepler-169 b -1.000e+00  
## pl\_nameKepler-169 c -1.000e+00  
## pl\_nameKepler-169 d -1.000e+00  
## pl\_nameKepler-169 e -1.000e+00  
## pl\_nameKepler-169 f -1.000e+00  
## pl\_nameKepler-1690 b -1.000e+00  
## pl\_nameKepler-1691 b -1.000e+00  
## pl\_nameKepler-1692 b -1.000e+00  
## pl\_nameKepler-1693 b -1.000e+00  
## pl\_nameKepler-1693 c -1.000e+00  
## pl\_nameKepler-1694 b -1.000e+00  
## pl\_nameKepler-1695 b -1.000e+00  
## pl\_nameKepler-1696 b -1.000e+00  
## pl\_nameKepler-1697 b -1.000e+00  
## pl\_nameKepler-1698 b -1.000e+00  
## pl\_nameKepler-1699 b -1.000e+00  
## pl\_nameKepler-17 b -1.000e+00  
## pl\_nameKepler-170 b -1.000e+00  
## pl\_nameKepler-170 c -1.000e+00  
## pl\_nameKepler-1700 b -1.000e+00  
## pl\_nameKepler-1701 b -1.000e+00  
## pl\_nameKepler-1702 b -1.000e+00  
## pl\_nameKepler-1704 b -1.000e+00  
## pl\_nameKepler-1705 b -1.000e+00  
## pl\_nameKepler-1709 b -1.000e+00  
## pl\_nameKepler-171 b -1.000e+00  
## pl\_nameKepler-171 c -1.000e+00  
## pl\_nameKepler-171 d -1.000e+00  
## pl\_nameKepler-1710 b -1.000e+00  
## pl\_nameKepler-1711 b -1.000e+00  
## pl\_nameKepler-1712 b -1.000e+00  
## pl\_nameKepler-1713 b -1.000e+00  
## pl\_nameKepler-1714 b -1.000e+00  
## pl\_nameKepler-1715 b -1.000e+00  
## pl\_nameKepler-1716 b -1.000e+00  
## pl\_nameKepler-1717 b -1.000e+00  
## pl\_nameKepler-1718 b -1.000e+00  
## pl\_nameKepler-1719 b -1.000e+00  
## pl\_nameKepler-172 b -1.000e+00  
## pl\_nameKepler-172 c -1.000e+00  
## pl\_nameKepler-172 d -1.000e+00  
## pl\_nameKepler-172 e -1.000e+00  
## pl\_nameKepler-1720 b -1.000e+00  
## pl\_nameKepler-1721 b -1.000e+00  
## pl\_nameKepler-1722 b -1.000e+00  
## pl\_nameKepler-1723 b -1.000e+00  
## pl\_nameKepler-1724 b -1.000e+00  
## pl\_nameKepler-1725 b -1.000e+00  
## pl\_nameKepler-1726 b -1.000e+00  
## pl\_nameKepler-1727 b -1.000e+00  
## pl\_nameKepler-1728 b -1.000e+00  
## pl\_nameKepler-1729 b -1.000e+00  
## pl\_nameKepler-173 b -1.000e+00  
## pl\_nameKepler-173 c -1.000e+00  
## pl\_nameKepler-1730 b -1.000e+00  
## pl\_nameKepler-1731 b -1.000e+00  
## pl\_nameKepler-1732 b -1.000e+00  
## pl\_nameKepler-1733 b -1.000e+00  
## pl\_nameKepler-1734 b -1.000e+00  
## pl\_nameKepler-1735 b -1.000e+00  
## pl\_nameKepler-1736 b -1.000e+00  
## pl\_nameKepler-1738 b -1.000e+00  
## pl\_nameKepler-1739 b -1.000e+00  
## pl\_nameKepler-174 b -1.000e+00  
## pl\_nameKepler-174 c -1.000e+00  
## pl\_nameKepler-174 d -1.000e+00  
## pl\_nameKepler-1740 b -1.000e+00  
## pl\_nameKepler-1741 b -1.000e+00  
## pl\_nameKepler-1742 b -1.000e+00  
## pl\_nameKepler-1743 b -1.000e+00  
## pl\_nameKepler-1744 b -1.000e+00  
## pl\_nameKepler-1745 b -1.000e+00  
## pl\_nameKepler-1746 b 1.824e-13  
## pl\_nameKepler-1747 b -1.000e+00  
## pl\_nameKepler-1748 b -1.000e+00  
## pl\_nameKepler-1749 b -1.000e+00  
## pl\_nameKepler-175 b -1.000e+00  
## pl\_nameKepler-175 c -1.000e+00  
## pl\_nameKepler-1750 b -1.000e+00  
## pl\_nameKepler-1751 b -1.000e+00  
## pl\_nameKepler-1752 b -1.000e+00  
## pl\_nameKepler-1753 b -1.000e+00  
## pl\_nameKepler-1754 b -1.000e+00  
## pl\_nameKepler-1755 b -1.000e+00  
## pl\_nameKepler-1757 b -1.000e+00  
## pl\_nameKepler-1758 b -1.000e+00  
## pl\_nameKepler-1759 b -1.000e+00  
## pl\_nameKepler-176 b -1.000e+00  
## pl\_nameKepler-176 c -1.000e+00  
## pl\_nameKepler-176 d -1.000e+00  
## pl\_nameKepler-176 e -1.000e+00  
## pl\_nameKepler-1761 b -1.000e+00  
## pl\_nameKepler-1762 b -1.000e+00  
## pl\_nameKepler-1763 b -1.000e+00  
## pl\_nameKepler-1764 b -1.000e+00  
## pl\_nameKepler-1765 b -1.000e+00  
## pl\_nameKepler-1766 b -1.000e+00  
## pl\_nameKepler-1767 b -1.000e+00  
## pl\_nameKepler-1768 b -1.000e+00  
## pl\_nameKepler-1769 b -1.000e+00  
## pl\_nameKepler-177 b -1.000e+00  
## pl\_nameKepler-177 c -1.000e+00  
## pl\_nameKepler-1770 b -1.000e+00  
## pl\_nameKepler-1771 b -1.000e+00  
## pl\_nameKepler-1772 b -1.000e+00  
## pl\_nameKepler-1773 b -1.000e+00  
## pl\_nameKepler-1774 b -1.000e+00  
## pl\_nameKepler-1775 b -1.000e+00  
## pl\_nameKepler-1776 b -1.000e+00  
## pl\_nameKepler-1777 b -1.000e+00  
## pl\_nameKepler-1778 b -1.000e+00  
## pl\_nameKepler-1779 b -1.000e+00  
## pl\_nameKepler-178 b -1.000e+00  
## pl\_nameKepler-178 c -1.000e+00  
## pl\_nameKepler-178 d -1.000e+00  
## pl\_nameKepler-1780 b -1.000e+00  
## pl\_nameKepler-1781 b -1.000e+00  
## pl\_nameKepler-1782 b -1.000e+00  
## pl\_nameKepler-1783 b -1.000e+00  
## pl\_nameKepler-1784 b -1.000e+00  
## pl\_nameKepler-1785 b -1.000e+00  
## pl\_nameKepler-1786 b -1.000e+00  
## pl\_nameKepler-1787 b -1.000e+00  
## pl\_nameKepler-1788 b -1.000e+00  
## pl\_nameKepler-1789 b -1.000e+00  
## pl\_nameKepler-179 b -1.000e+00  
## pl\_nameKepler-179 c -1.000e+00  
## pl\_nameKepler-1790 b -1.000e+00  
## pl\_nameKepler-1791 b -1.000e+00  
## pl\_nameKepler-1792 b -1.000e+00  
## pl\_nameKepler-1793 b -1.000e+00  
## pl\_nameKepler-1794 b -1.000e+00  
## pl\_nameKepler-1796 b -1.000e+00  
## pl\_nameKepler-1797 b -1.000e+00  
## pl\_nameKepler-1798 b -1.000e+00  
## pl\_nameKepler-1799 b -1.000e+00  
## pl\_nameKepler-18 b -1.000e+00  
## pl\_nameKepler-18 c -1.000e+00  
## pl\_nameKepler-18 d -1.000e+00  
## pl\_nameKepler-180 b -1.000e+00  
## pl\_nameKepler-180 c -1.000e+00  
## pl\_nameKepler-1800 b -1.000e+00  
## pl\_nameKepler-1801 b -1.000e+00  
## pl\_nameKepler-1801 c -1.000e+00  
## pl\_nameKepler-1802 b -1.000e+00  
## pl\_nameKepler-1802 c -1.000e+00  
## pl\_nameKepler-1804 b -1.000e+00  
## pl\_nameKepler-1805 b -1.000e+00  
## pl\_nameKepler-1806 b -1.000e+00  
## pl\_nameKepler-1807 b -1.000e+00  
## pl\_nameKepler-1808 b -1.000e+00  
## pl\_nameKepler-1809 b -1.000e+00  
## pl\_nameKepler-181 b -1.000e+00  
## pl\_nameKepler-181 c -1.000e+00  
## pl\_nameKepler-1810 b -1.000e+00  
## pl\_nameKepler-1811 b -1.000e+00  
## pl\_nameKepler-1812 b -1.000e+00  
## pl\_nameKepler-1814 b -1.000e+00  
## pl\_nameKepler-1814 c -1.000e+00  
## pl\_nameKepler-1815 b -1.000e+00  
## pl\_nameKepler-1816 b -1.000e+00  
## pl\_nameKepler-1817 b -1.000e+00  
## pl\_nameKepler-1818 b -1.000e+00  
## pl\_nameKepler-1819 b -1.000e+00  
## pl\_nameKepler-182 b -1.000e+00  
## pl\_nameKepler-182 c -1.000e+00  
## pl\_nameKepler-1820 b -1.000e+00  
## pl\_nameKepler-1821 b -1.000e+00  
## pl\_nameKepler-1822 b -1.000e+00  
## pl\_nameKepler-1823 b -1.000e+00  
## pl\_nameKepler-1824 b -1.000e+00  
## pl\_nameKepler-1825 b -1.000e+00  
## pl\_nameKepler-1826 b -1.000e+00  
## pl\_nameKepler-1827 b -1.000e+00  
## pl\_nameKepler-1828 b -1.000e+00  
## pl\_nameKepler-1829 b -1.000e+00  
## pl\_nameKepler-183 b -1.000e+00  
## pl\_nameKepler-183 c -1.000e+00  
## pl\_nameKepler-1830 b -1.000e+00  
## pl\_nameKepler-1831 b -1.000e+00  
## pl\_nameKepler-1832 b -1.000e+00  
## pl\_nameKepler-1833 b -1.000e+00  
## pl\_nameKepler-1834 b -1.000e+00  
## pl\_nameKepler-1834 c -1.000e+00  
## pl\_nameKepler-1835 b -1.000e+00  
## pl\_nameKepler-1836 b -1.000e+00  
## pl\_nameKepler-1837 b -1.000e+00  
## pl\_nameKepler-1838 b -1.000e+00  
## pl\_nameKepler-1839 b -1.000e+00  
## pl\_nameKepler-184 b -1.000e+00  
## pl\_nameKepler-184 c -1.000e+00  
## pl\_nameKepler-184 d -1.000e+00  
## pl\_nameKepler-1840 b -1.000e+00  
## pl\_nameKepler-1841 b -1.000e+00  
## pl\_nameKepler-1842 b -1.000e+00  
## pl\_nameKepler-1843 b -1.000e+00  
## pl\_nameKepler-1844 b -1.000e+00  
## pl\_nameKepler-1845 b -1.000e+00  
## pl\_nameKepler-1846 b -1.000e+00  
## pl\_nameKepler-1847 b -1.000e+00  
## pl\_nameKepler-1848 b -1.000e+00  
## pl\_nameKepler-1849 b -1.000e+00  
## pl\_nameKepler-185 b -1.000e+00  
## pl\_nameKepler-185 c -1.000e+00  
## pl\_nameKepler-1850 b -1.000e+00  
## pl\_nameKepler-1851 b -1.000e+00  
## pl\_nameKepler-1852 b -1.000e+00  
## pl\_nameKepler-1853 b -1.000e+00  
## pl\_nameKepler-1854 b -1.000e+00  
## pl\_nameKepler-1856 b -1.000e+00  
## pl\_nameKepler-1857 b -1.000e+00  
## pl\_nameKepler-1858 b -1.000e+00  
## pl\_nameKepler-1859 b -1.000e+00  
## pl\_nameKepler-1859 c -1.000e+00  
## pl\_nameKepler-186 b -1.000e+00  
## pl\_nameKepler-186 c -1.000e+00  
## pl\_nameKepler-186 d -1.000e+00  
## pl\_nameKepler-186 e -1.000e+00  
## pl\_nameKepler-186 f -1.000e+00  
## pl\_nameKepler-1860 b -1.000e+00  
## pl\_nameKepler-1861 b -1.000e+00  
## pl\_nameKepler-1862 b -1.000e+00  
## pl\_nameKepler-1863 b -1.000e+00  
## pl\_nameKepler-1864 b -1.000e+00  
## pl\_nameKepler-1865 b -1.000e+00  
## pl\_nameKepler-1866 b -1.000e+00  
## pl\_nameKepler-1867 b -1.000e+00  
## pl\_nameKepler-1868 b -1.000e+00  
## pl\_nameKepler-1869 b -1.000e+00  
## pl\_nameKepler-1869 c -1.000e+00  
## pl\_nameKepler-187 b -1.000e+00  
## pl\_nameKepler-187 c -1.000e+00  
## pl\_nameKepler-1870 b -1.000e+00  
## pl\_nameKepler-1871 b -1.000e+00  
## pl\_nameKepler-1872 b -1.000e+00  
## pl\_nameKepler-1873 b -1.000e+00  
## pl\_nameKepler-1874 b -1.000e+00  
## pl\_nameKepler-1875 b -1.000e+00  
## pl\_nameKepler-1876 b -1.000e+00  
## pl\_nameKepler-1877 b -1.000e+00  
## pl\_nameKepler-1878 b -1.000e+00  
## pl\_nameKepler-1879 b -1.000e+00  
## pl\_nameKepler-188 b -1.000e+00  
## pl\_nameKepler-188 c -1.000e+00  
## pl\_nameKepler-1880 b -1.000e+00  
## pl\_nameKepler-1881 b -1.000e+00  
## pl\_nameKepler-1882 b -1.000e+00  
## pl\_nameKepler-1883 b -1.000e+00  
## pl\_nameKepler-1884 b -1.000e+00  
## pl\_nameKepler-1885 b -1.000e+00  
## pl\_nameKepler-1886 b -1.000e+00  
## pl\_nameKepler-1887 b -1.000e+00  
## pl\_nameKepler-1888 b -1.000e+00  
## pl\_nameKepler-1889 b -1.000e+00  
## pl\_nameKepler-189 b -1.000e+00  
## pl\_nameKepler-189 c -1.000e+00  
## pl\_nameKepler-1890 b -1.000e+00  
## pl\_nameKepler-1891 b -1.000e+00  
## pl\_nameKepler-1892 b -1.000e+00  
## pl\_nameKepler-1893 b -1.000e+00  
## pl\_nameKepler-1894 b -1.000e+00  
## pl\_nameKepler-1894 c -1.000e+00  
## pl\_nameKepler-1895 b -1.000e+00  
## pl\_nameKepler-1896 b -1.000e+00  
## pl\_nameKepler-1897 b -1.000e+00  
## pl\_nameKepler-1898 b -1.000e+00  
## pl\_nameKepler-1899 b -1.000e+00  
## pl\_nameKepler-19 b -1.000e+00  
## pl\_nameKepler-190 b -1.000e+00  
## pl\_nameKepler-190 c -1.000e+00  
## pl\_nameKepler-1900 b -1.000e+00  
## pl\_nameKepler-1901 b -1.000e+00  
## pl\_nameKepler-1902 b -1.000e+00  
## pl\_nameKepler-1903 b -1.000e+00  
## pl\_nameKepler-1904 b -1.000e+00  
## pl\_nameKepler-1905 b -1.000e+00  
## pl\_nameKepler-1906 b -1.000e+00  
## pl\_nameKepler-1907 b -1.000e+00  
## pl\_nameKepler-1907 c -1.000e+00  
## pl\_nameKepler-1909 b -1.000e+00  
## pl\_nameKepler-191 b -1.000e+00  
## pl\_nameKepler-191 c -1.000e+00  
## pl\_nameKepler-191 d -1.000e+00  
## pl\_nameKepler-1911 b -1.000e+00  
## pl\_nameKepler-1912 b -1.000e+00  
## pl\_nameKepler-1913 b -1.000e+00  
## pl\_nameKepler-1914 b -1.000e+00  
## pl\_nameKepler-1915 b -1.000e+00  
## pl\_nameKepler-1916 b -1.000e+00  
## pl\_nameKepler-1917 b -1.000e+00  
## pl\_nameKepler-1918 b -1.000e+00  
## pl\_nameKepler-1919 b -1.000e+00  
## pl\_nameKepler-192 b -1.000e+00  
## pl\_nameKepler-192 c -1.000e+00  
## pl\_nameKepler-192 d -1.000e+00  
## pl\_nameKepler-1920 b -1.000e+00  
## pl\_nameKepler-1921 b -1.000e+00  
## pl\_nameKepler-1921 c -1.000e+00  
## pl\_nameKepler-1922 b -1.000e+00  
## pl\_nameKepler-1923 b -1.000e+00  
## pl\_nameKepler-1924 b -1.000e+00  
## pl\_nameKepler-1925 b -1.000e+00  
## pl\_nameKepler-1926 b -1.000e+00  
## pl\_nameKepler-1927 b -1.000e+00  
## pl\_nameKepler-1928 b -1.000e+00  
## pl\_nameKepler-1929 b -1.000e+00  
## pl\_nameKepler-193 b -1.000e+00  
## pl\_nameKepler-193 c -1.000e+00  
## pl\_nameKepler-1930 b -1.000e+00  
## pl\_nameKepler-1931 b -1.000e+00  
## pl\_nameKepler-1932 b -1.000e+00  
## pl\_nameKepler-1933 b -1.000e+00  
## pl\_nameKepler-1934 b -1.000e+00  
## pl\_nameKepler-1935 b -1.000e+00  
## pl\_nameKepler-1936 b -1.000e+00  
## pl\_nameKepler-1937 b -1.000e+00  
## pl\_nameKepler-1938 b -1.000e+00  
## pl\_nameKepler-1939 b -1.000e+00  
## pl\_nameKepler-194 b -1.000e+00  
## pl\_nameKepler-194 c -1.000e+00  
## pl\_nameKepler-194 d -1.000e+00  
## pl\_nameKepler-1940 b -1.000e+00  
## pl\_nameKepler-1941 b -1.000e+00  
## pl\_nameKepler-1942 b -1.000e+00  
## pl\_nameKepler-1943 b -1.000e+00  
## pl\_nameKepler-1944 b -1.000e+00  
## pl\_nameKepler-1946 b -1.000e+00  
## pl\_nameKepler-1947 b -1.000e+00  
## pl\_nameKepler-1948 b -1.000e+00  
## pl\_nameKepler-1949 b -1.000e+00  
## pl\_nameKepler-195 b -1.000e+00  
## pl\_nameKepler-195 c -1.000e+00  
## pl\_nameKepler-1950 b -1.000e+00  
## pl\_nameKepler-1951 b -1.000e+00  
## pl\_nameKepler-1952 b -1.000e+00  
## pl\_nameKepler-1953 b -1.000e+00  
## pl\_nameKepler-1954 b -1.000e+00  
## pl\_nameKepler-1955 b -1.000e+00  
## pl\_nameKepler-1956 b -1.000e+00  
## pl\_nameKepler-1957 b -1.000e+00  
## pl\_nameKepler-1958 b -1.000e+00  
## pl\_nameKepler-1959 b -1.000e+00  
## pl\_nameKepler-196 b -1.000e+00  
## pl\_nameKepler-196 c -1.000e+00  
## pl\_nameKepler-196 d -1.000e+00  
## pl\_nameKepler-1960 b -1.000e+00  
## pl\_nameKepler-1961 b -1.000e+00  
## pl\_nameKepler-1962 b -1.000e+00  
## pl\_nameKepler-1963 b -1.000e+00  
## pl\_nameKepler-1965 b -1.000e+00  
## pl\_nameKepler-1966 b -1.000e+00  
## pl\_nameKepler-1967 b -1.000e+00  
## pl\_nameKepler-1968 b -1.000e+00  
## pl\_nameKepler-1969 b -1.000e+00  
## pl\_nameKepler-197 b -1.000e+00  
## pl\_nameKepler-197 c -1.000e+00  
## pl\_nameKepler-197 d -1.000e+00  
## pl\_nameKepler-197 e -1.000e+00  
## pl\_nameKepler-1972 b -1.000e+00  
## pl\_nameKepler-1972 c -1.000e+00  
## pl\_nameKepler-1977 b -1.000e+00  
## pl\_nameKepler-1978 b -1.000e+00  
## pl\_nameKepler-1979 b -1.000e+00  
## pl\_nameKepler-198 b -1.000e+00  
## pl\_nameKepler-198 c -1.000e+00  
## pl\_nameKepler-198 d -1.000e+00  
## pl\_nameKepler-1980 b -1.000e+00  
## pl\_nameKepler-1981 b 6.013e-14  
## pl\_nameKepler-1982 b -1.000e+00  
## pl\_nameKepler-1983 b -1.000e+00  
## pl\_nameKepler-1986 b -1.000e+00  
## pl\_nameKepler-1987 b -1.000e+00  
## pl\_nameKepler-1987 c -1.000e+00  
## pl\_nameKepler-1987 d -1.000e+00  
## pl\_nameKepler-1987 e -1.000e+00  
## pl\_nameKepler-1988 b -1.000e+00  
## pl\_nameKepler-1989 b -1.000e+00  
## pl\_nameKepler-199 b -1.000e+00  
## pl\_nameKepler-199 c -1.000e+00  
## pl\_nameKepler-1990 b -1.000e+00  
## pl\_nameKepler-1990 c -1.000e+00  
## pl\_nameKepler-1991 b -1.000e+00  
## pl\_nameKepler-1991 c -1.000e+00  
## pl\_nameKepler-1992 b -1.000e+00  
## pl\_nameKepler-1993 b -1.000e+00  
## pl\_nameKepler-1994 b -1.000e+00  
## pl\_nameKepler-1995 b -1.000e+00  
## pl\_nameKepler-1996 b -1.000e+00  
## pl\_nameKepler-1996 c -1.000e+00  
## pl\_nameKepler-1997 b -1.000e+00  
## pl\_nameKepler-1998 b -1.000e+00  
## pl\_nameKepler-1999 b -1.000e+00  
## pl\_nameKepler-20 b -1.000e+00  
## pl\_nameKepler-20 c -1.000e+00  
## pl\_nameKepler-20 d -1.000e+00  
## pl\_nameKepler-20 e -1.000e+00  
## pl\_nameKepler-20 f -1.000e+00  
## pl\_nameKepler-20 g -1.000e+00  
## pl\_nameKepler-200 b -1.000e+00  
## pl\_nameKepler-200 c -1.000e+00  
## pl\_nameKepler-2000 b -1.000e+00  
## pl\_nameKepler-2000 c -1.000e+00  
## pl\_nameKepler-2001 b -1.000e+00  
## pl\_nameKepler-2001 c -1.000e+00  
## pl\_nameKepler-201 b -1.000e+00  
## pl\_nameKepler-201 c -1.000e+00  
## pl\_nameKepler-202 b -1.000e+00  
## pl\_nameKepler-202 c -1.000e+00  
## pl\_nameKepler-203 b -1.000e+00  
## pl\_nameKepler-203 c -1.000e+00  
## pl\_nameKepler-203 d -1.000e+00  
## pl\_nameKepler-204 b -1.000e+00  
## pl\_nameKepler-204 c -1.000e+00  
## pl\_nameKepler-205 b -1.000e+00  
## pl\_nameKepler-205 c -1.000e+00  
## pl\_nameKepler-206 b -1.000e+00  
## pl\_nameKepler-206 c -1.000e+00  
## pl\_nameKepler-206 d -1.000e+00  
## pl\_nameKepler-207 b -1.000e+00  
## pl\_nameKepler-207 c -1.000e+00  
## pl\_nameKepler-207 d -1.000e+00  
## pl\_nameKepler-208 b -1.000e+00  
## pl\_nameKepler-208 c -1.000e+00  
## pl\_nameKepler-208 d -1.000e+00  
## pl\_nameKepler-208 e -1.000e+00  
## pl\_nameKepler-209 b -1.000e+00  
## pl\_nameKepler-209 c -1.000e+00  
## pl\_nameKepler-21 b -1.000e+00  
## pl\_nameKepler-210 b -1.000e+00  
## pl\_nameKepler-210 c -1.000e+00  
## pl\_nameKepler-211 b -1.000e+00  
## pl\_nameKepler-211 c -1.000e+00  
## pl\_nameKepler-212 b -1.000e+00  
## pl\_nameKepler-212 c -1.000e+00  
## pl\_nameKepler-213 b -1.000e+00  
## pl\_nameKepler-213 c -1.000e+00  
## pl\_nameKepler-214 b -1.000e+00  
## pl\_nameKepler-214 c -1.000e+00  
## pl\_nameKepler-215 b -1.000e+00  
## pl\_nameKepler-215 c -1.000e+00  
## pl\_nameKepler-215 d -1.000e+00  
## pl\_nameKepler-215 e -1.000e+00  
## pl\_nameKepler-216 b -1.000e+00  
## pl\_nameKepler-216 c -1.000e+00  
## pl\_nameKepler-217 b -1.000e+00  
## pl\_nameKepler-217 c -1.000e+00  
## pl\_nameKepler-217 d -1.000e+00  
## pl\_nameKepler-218 b -1.000e+00  
## pl\_nameKepler-218 c -1.000e+00  
## pl\_nameKepler-218 d -1.000e+00  
## pl\_nameKepler-219 b -1.000e+00  
## pl\_nameKepler-219 c -1.000e+00  
## pl\_nameKepler-219 d -1.000e+00  
## pl\_nameKepler-22 b -1.000e+00  
## pl\_nameKepler-220 b -1.000e+00  
## pl\_nameKepler-220 c -1.000e+00  
## pl\_nameKepler-220 d -1.000e+00  
## pl\_nameKepler-220 e -1.000e+00  
## pl\_nameKepler-221 b -1.000e+00  
## pl\_nameKepler-221 c -1.000e+00  
## pl\_nameKepler-221 d -1.000e+00  
## pl\_nameKepler-221 e -1.000e+00  
## pl\_nameKepler-222 b -1.000e+00  
## pl\_nameKepler-222 c -1.000e+00  
## pl\_nameKepler-222 d -1.000e+00  
## pl\_nameKepler-223 b -1.000e+00  
## pl\_nameKepler-223 c -1.000e+00  
## pl\_nameKepler-223 d -1.000e+00  
## pl\_nameKepler-223 e -1.000e+00  
## pl\_nameKepler-224 b -1.000e+00  
## pl\_nameKepler-224 c -1.000e+00  
## pl\_nameKepler-224 d -1.000e+00  
## pl\_nameKepler-224 e -1.000e+00  
## pl\_nameKepler-225 b -1.000e+00  
## pl\_nameKepler-225 c -1.000e+00  
## pl\_nameKepler-226 b -1.000e+00  
## pl\_nameKepler-226 c -1.000e+00  
## pl\_nameKepler-226 d -1.000e+00  
## pl\_nameKepler-227 b -1.000e+00  
## pl\_nameKepler-227 c -1.000e+00  
## pl\_nameKepler-228 b -1.000e+00  
## pl\_nameKepler-228 c -1.000e+00  
## pl\_nameKepler-228 d -1.000e+00  
## pl\_nameKepler-229 b -1.000e+00  
## pl\_nameKepler-229 c -1.000e+00  
## pl\_nameKepler-229 d -1.000e+00  
## pl\_nameKepler-23 d -1.000e+00  
## pl\_nameKepler-230 b -1.000e+00  
## pl\_nameKepler-230 c -1.000e+00  
## pl\_nameKepler-231 b -1.000e+00  
## pl\_nameKepler-231 c -1.000e+00  
## pl\_nameKepler-232 b -1.000e+00  
## pl\_nameKepler-232 c -1.000e+00  
## pl\_nameKepler-233 b -1.000e+00  
## pl\_nameKepler-233 c -1.000e+00  
## pl\_nameKepler-234 b -1.000e+00  
## pl\_nameKepler-234 c -1.000e+00  
## pl\_nameKepler-235 b -1.000e+00  
## pl\_nameKepler-235 c -1.000e+00  
## pl\_nameKepler-235 d -1.000e+00  
## pl\_nameKepler-235 e -1.000e+00  
## pl\_nameKepler-236 b -1.000e+00  
## pl\_nameKepler-236 c -1.000e+00  
## pl\_nameKepler-237 b -1.000e+00  
## pl\_nameKepler-237 c -1.000e+00  
## pl\_nameKepler-238 b -1.000e+00  
## pl\_nameKepler-238 c -1.000e+00  
## pl\_nameKepler-238 d -1.000e+00  
## pl\_nameKepler-238 e -1.000e+00  
## pl\_nameKepler-238 f -1.000e+00  
## pl\_nameKepler-239 b -1.000e+00  
## pl\_nameKepler-239 c -1.000e+00  
## pl\_nameKepler-24 d -1.000e+00  
## pl\_nameKepler-24 e -1.000e+00  
## pl\_nameKepler-240 b -1.000e+00  
## pl\_nameKepler-240 c -1.000e+00  
## pl\_nameKepler-241 b -1.000e+00  
## pl\_nameKepler-241 c -1.000e+00  
## pl\_nameKepler-242 b -1.000e+00  
## pl\_nameKepler-242 c -1.000e+00  
## pl\_nameKepler-243 b -1.000e+00  
## pl\_nameKepler-243 c -1.000e+00  
## pl\_nameKepler-244 b -1.000e+00  
## pl\_nameKepler-244 c -1.000e+00  
## pl\_nameKepler-244 d -1.000e+00  
## pl\_nameKepler-245 b -1.000e+00  
## pl\_nameKepler-245 c -1.000e+00  
## pl\_nameKepler-245 d -1.000e+00  
## pl\_nameKepler-245 e -1.000e+00  
## pl\_nameKepler-246 b -1.000e+00  
## pl\_nameKepler-246 c -1.000e+00  
## pl\_nameKepler-247 b -1.000e+00  
## pl\_nameKepler-247 c -1.000e+00  
## pl\_nameKepler-247 d -1.000e+00  
## pl\_nameKepler-248 b -1.000e+00  
## pl\_nameKepler-248 c -1.000e+00  
## pl\_nameKepler-249 b -1.000e+00  
## pl\_nameKepler-249 c -1.000e+00  
## pl\_nameKepler-249 d -1.000e+00  
## pl\_nameKepler-25 b -1.000e+00  
## pl\_nameKepler-25 c -1.000e+00  
## pl\_nameKepler-250 b -1.000e+00  
## pl\_nameKepler-250 c -1.000e+00  
## pl\_nameKepler-250 d -1.000e+00  
## pl\_nameKepler-251 b -1.000e+00  
## pl\_nameKepler-251 c -1.000e+00  
## pl\_nameKepler-251 d -1.000e+00  
## pl\_nameKepler-251 e -1.000e+00  
## pl\_nameKepler-252 b -1.000e+00  
## pl\_nameKepler-252 c -1.000e+00  
## pl\_nameKepler-253 b -1.000e+00  
## pl\_nameKepler-253 c -1.000e+00  
## pl\_nameKepler-253 d -1.000e+00  
## pl\_nameKepler-254 b -1.000e+00  
## pl\_nameKepler-254 c -1.000e+00  
## pl\_nameKepler-254 d -1.000e+00  
## pl\_nameKepler-255 b -1.000e+00  
## pl\_nameKepler-255 c -1.000e+00  
## pl\_nameKepler-255 d -1.000e+00  
## pl\_nameKepler-256 b -1.000e+00  
## pl\_nameKepler-256 c -1.000e+00  
## pl\_nameKepler-256 d -1.000e+00  
## pl\_nameKepler-256 e -1.000e+00  
## pl\_nameKepler-257 b -1.000e+00  
## pl\_nameKepler-257 c -1.000e+00  
## pl\_nameKepler-257 d -1.000e+00  
## pl\_nameKepler-258 b -1.000e+00  
## pl\_nameKepler-258 c -1.000e+00  
## pl\_nameKepler-259 b -1.000e+00  
## pl\_nameKepler-259 c -1.000e+00  
## pl\_nameKepler-26 b -1.000e+00  
## pl\_nameKepler-26 c -1.000e+00  
## pl\_nameKepler-26 d -1.000e+00  
## pl\_nameKepler-26 e -1.000e+00  
## pl\_nameKepler-260 b -1.000e+00  
## pl\_nameKepler-260 c -1.000e+00  
## pl\_nameKepler-261 b -1.000e+00  
## pl\_nameKepler-261 c -1.000e+00  
## pl\_nameKepler-262 b -1.000e+00  
## pl\_nameKepler-262 c -1.000e+00  
## pl\_nameKepler-263 b -1.000e+00  
## pl\_nameKepler-263 c -1.000e+00  
## pl\_nameKepler-264 b -1.000e+00  
## pl\_nameKepler-264 c -1.000e+00  
## pl\_nameKepler-265 b -1.000e+00  
## pl\_nameKepler-265 c -1.000e+00  
## pl\_nameKepler-265 d -1.000e+00  
## pl\_nameKepler-265 e -1.000e+00  
## pl\_nameKepler-266 b -1.000e+00  
## pl\_nameKepler-266 c -1.000e+00  
## pl\_nameKepler-267 b -1.000e+00  
## pl\_nameKepler-267 c -1.000e+00  
## pl\_nameKepler-267 d -1.000e+00  
## pl\_nameKepler-268 b -1.000e+00  
## pl\_nameKepler-268 c -1.000e+00  
## pl\_nameKepler-269 b -1.000e+00  
## pl\_nameKepler-269 c -1.000e+00  
## pl\_nameKepler-27 d -1.000e+00  
## pl\_nameKepler-270 b -1.000e+00  
## pl\_nameKepler-270 c -1.000e+00  
## pl\_nameKepler-271 b -1.000e+00  
## pl\_nameKepler-271 c -1.000e+00  
## pl\_nameKepler-271 d -1.000e+00  
## pl\_nameKepler-272 b -1.000e+00  
## pl\_nameKepler-272 c -1.000e+00  
## pl\_nameKepler-272 d -1.000e+00  
## pl\_nameKepler-273 b -1.000e+00  
## pl\_nameKepler-273 c -1.000e+00  
## pl\_nameKepler-274 b -1.000e+00  
## pl\_nameKepler-274 c -1.000e+00  
## pl\_nameKepler-275 b -1.000e+00  
## pl\_nameKepler-275 c -1.000e+00  
## pl\_nameKepler-275 d -1.000e+00  
## pl\_nameKepler-276 b -1.000e+00  
## pl\_nameKepler-276 c -1.000e+00  
## pl\_nameKepler-276 d -1.000e+00  
## pl\_nameKepler-277 b -1.000e+00  
## pl\_nameKepler-277 c -1.000e+00  
## pl\_nameKepler-278 b -1.000e+00  
## pl\_nameKepler-278 c -1.000e+00  
## pl\_nameKepler-279 b -1.000e+00  
## pl\_nameKepler-279 c -1.000e+00  
## pl\_nameKepler-279 d -1.000e+00  
## pl\_nameKepler-280 b -1.000e+00  
## pl\_nameKepler-280 c -1.000e+00  
## pl\_nameKepler-281 b -1.000e+00  
## pl\_nameKepler-281 c -1.000e+00  
## pl\_nameKepler-281 d -1.000e+00  
## pl\_nameKepler-282 b -1.000e+00  
## pl\_nameKepler-282 c -1.000e+00  
## pl\_nameKepler-282 d -1.000e+00  
## pl\_nameKepler-282 e -1.000e+00  
## pl\_nameKepler-283 b -1.000e+00  
## pl\_nameKepler-283 c -1.000e+00  
## pl\_nameKepler-284 b -1.000e+00  
## pl\_nameKepler-284 c -1.000e+00  
## pl\_nameKepler-285 b -1.000e+00  
## pl\_nameKepler-285 c -1.000e+00  
## pl\_nameKepler-286 b -1.000e+00  
## pl\_nameKepler-286 c -1.000e+00  
## pl\_nameKepler-286 d -1.000e+00  
## pl\_nameKepler-286 e -1.000e+00  
## pl\_nameKepler-287 b -1.000e+00  
## pl\_nameKepler-287 c -1.000e+00  
## pl\_nameKepler-288 b -1.000e+00  
## pl\_nameKepler-288 c -1.000e+00  
## pl\_nameKepler-288 d -1.000e+00  
## pl\_nameKepler-289 b -1.000e+00  
## pl\_nameKepler-289 c -1.000e+00  
## pl\_nameKepler-29 b -1.000e+00  
## pl\_nameKepler-29 c -1.000e+00  
## pl\_nameKepler-290 b -1.000e+00  
## pl\_nameKepler-290 c -1.000e+00  
## pl\_nameKepler-290 d -1.000e+00  
## pl\_nameKepler-291 b -1.000e+00  
## pl\_nameKepler-291 c -1.000e+00  
## pl\_nameKepler-292 b -1.000e+00  
## pl\_nameKepler-292 c -1.000e+00  
## pl\_nameKepler-292 d -1.000e+00  
## pl\_nameKepler-292 e -1.000e+00  
## pl\_nameKepler-292 f -1.000e+00  
## pl\_nameKepler-293 b -1.000e+00  
## pl\_nameKepler-293 c -1.000e+00  
## pl\_nameKepler-294 b -1.000e+00  
## pl\_nameKepler-294 c -1.000e+00  
## pl\_nameKepler-295 b -1.000e+00  
## pl\_nameKepler-295 c -1.000e+00  
## pl\_nameKepler-295 d -1.000e+00  
## pl\_nameKepler-296 b -1.000e+00  
## pl\_nameKepler-296 c -1.000e+00  
## pl\_nameKepler-296 d -1.000e+00  
## pl\_nameKepler-296 e -1.000e+00  
## pl\_nameKepler-296 f -1.000e+00  
## pl\_nameKepler-297 b -1.000e+00  
## pl\_nameKepler-297 c -1.000e+00  
## pl\_nameKepler-297 d -1.000e+00  
## pl\_nameKepler-298 b -1.000e+00  
## pl\_nameKepler-298 c -1.000e+00  
## pl\_nameKepler-298 d -1.000e+00  
## pl\_nameKepler-299 b -1.000e+00  
## pl\_nameKepler-299 c -1.000e+00  
## pl\_nameKepler-299 d -1.000e+00  
## pl\_nameKepler-299 e -1.000e+00  
## pl\_nameKepler-30 b -1.000e+00  
## pl\_nameKepler-30 c -1.000e+00  
## pl\_nameKepler-30 d -1.000e+00  
## pl\_nameKepler-300 b -1.000e+00  
## pl\_nameKepler-300 c -1.000e+00  
## pl\_nameKepler-301 b -1.000e+00  
## pl\_nameKepler-301 c -1.000e+00  
## pl\_nameKepler-301 d -1.000e+00  
## pl\_nameKepler-302 b -1.000e+00  
## pl\_nameKepler-303 b -1.000e+00  
## pl\_nameKepler-303 c -1.000e+00  
## pl\_nameKepler-304 b -1.000e+00  
## pl\_nameKepler-304 c -1.000e+00  
## pl\_nameKepler-304 d -1.000e+00  
## pl\_nameKepler-304 e -1.000e+00  
## pl\_nameKepler-305 b -1.000e+00  
## pl\_nameKepler-305 c -1.000e+00  
## pl\_nameKepler-305 d -1.000e+00  
## pl\_nameKepler-305 e -1.000e+00  
## pl\_nameKepler-306 b -1.000e+00  
## pl\_nameKepler-306 c -1.000e+00  
## pl\_nameKepler-306 d -1.000e+00  
## pl\_nameKepler-306 e -1.000e+00  
## pl\_nameKepler-307 b -1.000e+00  
## pl\_nameKepler-307 c -1.000e+00  
## pl\_nameKepler-308 b -1.000e+00  
## pl\_nameKepler-308 c -1.000e+00  
## pl\_nameKepler-309 b -1.000e+00  
## pl\_nameKepler-309 c -1.000e+00  
## pl\_nameKepler-31 b -1.000e+00  
## pl\_nameKepler-310 b -1.000e+00  
## pl\_nameKepler-310 c -1.000e+00  
## pl\_nameKepler-310 d -1.000e+00  
## pl\_nameKepler-311 b -1.000e+00  
## pl\_nameKepler-311 c -1.000e+00  
## pl\_nameKepler-311 d -1.000e+00  
## pl\_nameKepler-312 b -1.000e+00  
## pl\_nameKepler-312 c -1.000e+00  
## pl\_nameKepler-313 b -1.000e+00  
## pl\_nameKepler-313 c -1.000e+00  
## pl\_nameKepler-314 b -1.000e+00  
## pl\_nameKepler-314 c -1.000e+00  
## pl\_nameKepler-315 b -1.000e+00  
## pl\_nameKepler-315 c -1.000e+00  
## pl\_nameKepler-316 b -1.000e+00  
## pl\_nameKepler-316 c -1.000e+00  
## pl\_nameKepler-317 b -1.000e+00  
## pl\_nameKepler-317 c -1.000e+00  
## pl\_nameKepler-318 b -1.000e+00  
## pl\_nameKepler-318 c -1.000e+00  
## pl\_nameKepler-319 b -1.000e+00  
## pl\_nameKepler-319 c -1.000e+00  
## pl\_nameKepler-319 d -1.000e+00  
## pl\_nameKepler-32 d -1.000e+00  
## pl\_nameKepler-32 e -1.000e+00  
## pl\_nameKepler-32 f -1.000e+00  
## pl\_nameKepler-320 b -1.000e+00  
## pl\_nameKepler-320 c -1.000e+00  
## pl\_nameKepler-321 b -1.000e+00  
## pl\_nameKepler-321 c -1.000e+00  
## pl\_nameKepler-322 b -1.000e+00  
## pl\_nameKepler-322 c -1.000e+00  
## pl\_nameKepler-323 b -1.000e+00  
## pl\_nameKepler-323 c -1.000e+00  
## pl\_nameKepler-324 b -1.000e+00  
## pl\_nameKepler-324 c -1.000e+00  
## pl\_nameKepler-324 e -1.000e+00  
## pl\_nameKepler-325 b -1.000e+00  
## pl\_nameKepler-325 c -1.000e+00  
## pl\_nameKepler-325 d -1.000e+00  
## pl\_nameKepler-326 b -1.000e+00  
## pl\_nameKepler-326 c -1.000e+00  
## pl\_nameKepler-326 d -1.000e+00  
## pl\_nameKepler-327 b -1.000e+00  
## pl\_nameKepler-327 c -1.000e+00  
## pl\_nameKepler-327 d -1.000e+00  
## pl\_nameKepler-328 b -1.000e+00  
## pl\_nameKepler-328 c -1.000e+00  
## pl\_nameKepler-329 b -1.000e+00  
## pl\_nameKepler-329 c -1.000e+00  
## pl\_nameKepler-33 b -1.000e+00  
## pl\_nameKepler-33 c -1.000e+00  
## pl\_nameKepler-33 d -1.000e+00  
## pl\_nameKepler-33 e -1.000e+00  
## pl\_nameKepler-33 f -1.000e+00  
## pl\_nameKepler-330 b -1.000e+00  
## pl\_nameKepler-330 c -1.000e+00  
## pl\_nameKepler-331 b -1.000e+00  
## pl\_nameKepler-331 c -1.000e+00  
## pl\_nameKepler-331 d -1.000e+00  
## pl\_nameKepler-332 b -1.000e+00  
## pl\_nameKepler-332 c -1.000e+00  
## pl\_nameKepler-332 d -1.000e+00  
## pl\_nameKepler-333 b -1.000e+00  
## pl\_nameKepler-333 c -1.000e+00  
## pl\_nameKepler-334 b -1.000e+00  
## pl\_nameKepler-334 c -1.000e+00  
## pl\_nameKepler-334 d -1.000e+00  
## pl\_nameKepler-335 b -1.000e+00  
## pl\_nameKepler-335 c -1.000e+00  
## pl\_nameKepler-336 b -1.000e+00  
## pl\_nameKepler-336 c -1.000e+00  
## pl\_nameKepler-336 d -1.000e+00  
## pl\_nameKepler-337 b -1.000e+00  
## pl\_nameKepler-337 c -1.000e+00  
## pl\_nameKepler-338 b -1.000e+00  
## pl\_nameKepler-338 c -1.000e+00  
## pl\_nameKepler-338 d -1.000e+00  
## pl\_nameKepler-338 e -1.000e+00  
## pl\_nameKepler-339 b -1.000e+00  
## pl\_nameKepler-339 c -1.000e+00  
## pl\_nameKepler-339 d -1.000e+00  
## pl\_nameKepler-34 b 2.137e-13  
## pl\_nameKepler-340 b -1.000e+00  
## pl\_nameKepler-340 c -1.000e+00  
## pl\_nameKepler-341 b -1.000e+00  
## pl\_nameKepler-341 c -1.000e+00  
## pl\_nameKepler-341 d -1.000e+00  
## pl\_nameKepler-341 e -1.000e+00  
## pl\_nameKepler-342 b -1.000e+00  
## pl\_nameKepler-342 c -1.000e+00  
## pl\_nameKepler-342 d -1.000e+00  
## pl\_nameKepler-342 e -1.000e+00  
## pl\_nameKepler-343 b -1.000e+00  
## pl\_nameKepler-343 c -1.000e+00  
## pl\_nameKepler-344 b -1.000e+00  
## pl\_nameKepler-344 c -1.000e+00  
## pl\_nameKepler-345 b -1.000e+00  
## pl\_nameKepler-345 c -1.000e+00  
## pl\_nameKepler-346 b -1.000e+00  
## pl\_nameKepler-346 c -1.000e+00  
## pl\_nameKepler-347 b -1.000e+00  
## pl\_nameKepler-347 c -1.000e+00  
## pl\_nameKepler-347 d -1.000e+00  
## pl\_nameKepler-348 b -1.000e+00  
## pl\_nameKepler-348 c -1.000e+00  
## pl\_nameKepler-349 b -1.000e+00  
## pl\_nameKepler-349 c -1.000e+00  
## pl\_nameKepler-35 b -1.000e+00  
## pl\_nameKepler-350 b -1.000e+00  
## pl\_nameKepler-350 c -1.000e+00  
## pl\_nameKepler-350 d -1.000e+00  
## pl\_nameKepler-351 b -1.000e+00  
## pl\_nameKepler-351 c -1.000e+00  
## pl\_nameKepler-351 d -1.000e+00  
## pl\_nameKepler-352 b -1.000e+00  
## pl\_nameKepler-352 c -1.000e+00  
## pl\_nameKepler-352 d -1.000e+00  
## pl\_nameKepler-353 b -1.000e+00  
## pl\_nameKepler-353 c -1.000e+00  
## pl\_nameKepler-354 b -1.000e+00  
## pl\_nameKepler-354 c -1.000e+00  
## pl\_nameKepler-354 d -1.000e+00  
## pl\_nameKepler-355 b -1.000e+00  
## pl\_nameKepler-355 c -1.000e+00  
## pl\_nameKepler-356 b -1.000e+00  
## pl\_nameKepler-356 c -1.000e+00  
## pl\_nameKepler-357 b -1.000e+00  
## pl\_nameKepler-357 c -1.000e+00  
## pl\_nameKepler-357 d -1.000e+00  
## pl\_nameKepler-358 b -1.000e+00  
## pl\_nameKepler-358 c -1.000e+00  
## pl\_nameKepler-359 b -1.000e+00  
## pl\_nameKepler-359 c -1.000e+00  
## pl\_nameKepler-359 d -1.000e+00  
## pl\_nameKepler-36 b -1.000e+00  
## pl\_nameKepler-36 c -1.000e+00  
## pl\_nameKepler-360 b -1.000e+00  
## pl\_nameKepler-360 c -1.000e+00  
## pl\_nameKepler-361 b -1.000e+00  
## pl\_nameKepler-361 c -1.000e+00  
## pl\_nameKepler-362 b -1.000e+00  
## pl\_nameKepler-362 c -1.000e+00  
## pl\_nameKepler-363 b -1.000e+00  
## pl\_nameKepler-363 c -1.000e+00  
## pl\_nameKepler-363 d -1.000e+00  
## pl\_nameKepler-364 b -1.000e+00  
## pl\_nameKepler-364 c -1.000e+00  
## pl\_nameKepler-366 b -1.000e+00  
## pl\_nameKepler-366 c -1.000e+00  
## pl\_nameKepler-367 b -1.000e+00  
## pl\_nameKepler-367 c -1.000e+00  
## pl\_nameKepler-368 b -1.000e+00  
## pl\_nameKepler-368 c -1.000e+00  
## pl\_nameKepler-369 b -1.000e+00  
## pl\_nameKepler-369 c -1.000e+00  
## pl\_nameKepler-37 b -1.000e+00  
## pl\_nameKepler-37 c -1.000e+00  
## pl\_nameKepler-37 d -1.000e+00  
## pl\_nameKepler-370 b -1.000e+00  
## pl\_nameKepler-370 c -1.000e+00  
## pl\_nameKepler-371 b -1.000e+00  
## pl\_nameKepler-371 c -1.000e+00  
## pl\_nameKepler-372 b -1.000e+00  
## pl\_nameKepler-372 c -1.000e+00  
## pl\_nameKepler-372 d -1.000e+00  
## pl\_nameKepler-373 b -1.000e+00  
## pl\_nameKepler-373 c -1.000e+00  
## pl\_nameKepler-374 b -1.000e+00  
## pl\_nameKepler-374 c -1.000e+00  
## pl\_nameKepler-374 d -1.000e+00  
## pl\_nameKepler-375 b -1.000e+00  
## pl\_nameKepler-375 c -1.000e+00  
## pl\_nameKepler-376 b -1.000e+00  
## pl\_nameKepler-376 c -1.000e+00  
## pl\_nameKepler-377 b -1.000e+00  
## pl\_nameKepler-377 c -1.000e+00  
## pl\_nameKepler-378 b -1.000e+00  
## pl\_nameKepler-378 c -1.000e+00  
## pl\_nameKepler-379 b -1.000e+00  
## pl\_nameKepler-379 c -1.000e+00  
## pl\_nameKepler-380 b -1.000e+00  
## pl\_nameKepler-380 c -1.000e+00  
## pl\_nameKepler-381 b -1.000e+00  
## pl\_nameKepler-381 c -1.000e+00  
## pl\_nameKepler-381 d -1.000e+00  
## pl\_nameKepler-382 b -1.000e+00  
## pl\_nameKepler-382 c -1.000e+00  
## pl\_nameKepler-383 b -1.000e+00  
## pl\_nameKepler-383 c -1.000e+00  
## pl\_nameKepler-384 b -1.000e+00  
## pl\_nameKepler-384 c -1.000e+00  
## pl\_nameKepler-385 b -1.000e+00  
## pl\_nameKepler-385 c -1.000e+00  
## pl\_nameKepler-385 d -1.000e+00  
## pl\_nameKepler-386 b -1.000e+00  
## pl\_nameKepler-386 c -1.000e+00  
## pl\_nameKepler-387 b -1.000e+00  
## pl\_nameKepler-387 c -1.000e+00  
## pl\_nameKepler-388 b -1.000e+00  
## pl\_nameKepler-388 c -1.000e+00  
## pl\_nameKepler-389 b -1.000e+00  
## pl\_nameKepler-389 c -1.000e+00  
## pl\_nameKepler-39 b -1.000e+00  
## pl\_nameKepler-390 b -1.000e+00  
## pl\_nameKepler-390 c -1.000e+00  
## pl\_nameKepler-391 b -1.000e+00  
## pl\_nameKepler-391 c -1.000e+00  
## pl\_nameKepler-392 b -1.000e+00  
## pl\_nameKepler-392 c -1.000e+00  
## pl\_nameKepler-393 b -1.000e+00  
## pl\_nameKepler-393 c -1.000e+00  
## pl\_nameKepler-394 b -1.000e+00  
## pl\_nameKepler-394 c -1.000e+00  
## pl\_nameKepler-394 d -1.000e+00  
## pl\_nameKepler-395 b -1.000e+00  
## pl\_nameKepler-395 c -1.000e+00  
## pl\_nameKepler-396 b -1.000e+00  
## pl\_nameKepler-396 c -1.000e+00  
## pl\_nameKepler-398 b -1.000e+00  
## pl\_nameKepler-398 c -1.000e+00  
## pl\_nameKepler-398 d -1.000e+00  
## pl\_nameKepler-399 b -1.000e+00  
## pl\_nameKepler-399 c -1.000e+00  
## pl\_nameKepler-399 d -1.000e+00  
## pl\_nameKepler-4 b -1.000e+00  
## pl\_nameKepler-40 b -1.000e+00  
## pl\_nameKepler-400 b -1.000e+00  
## pl\_nameKepler-400 c -1.000e+00  
## pl\_nameKepler-401 b -1.000e+00  
## pl\_nameKepler-401 c -1.000e+00  
## pl\_nameKepler-401 d -1.000e+00  
## pl\_nameKepler-402 b -1.000e+00  
## pl\_nameKepler-402 c -1.000e+00  
## pl\_nameKepler-402 d -1.000e+00  
## pl\_nameKepler-402 e -1.000e+00  
## pl\_nameKepler-403 b -1.000e+00  
## pl\_nameKepler-403 c -1.000e+00  
## pl\_nameKepler-403 d -1.000e+00  
## pl\_nameKepler-404 b -1.000e+00  
## pl\_nameKepler-404 c -1.000e+00  
## pl\_nameKepler-405 b -1.000e+00  
## pl\_nameKepler-405 c -1.000e+00  
## pl\_nameKepler-406 b -1.000e+00  
## pl\_nameKepler-406 c -1.000e+00  
## pl\_nameKepler-409 b -1.000e+00  
## pl\_nameKepler-41 b -1.000e+00  
## pl\_nameKepler-410 A b -1.000e+00  
## pl\_nameKepler-411 b -1.000e+00  
## pl\_nameKepler-411 c -1.000e+00  
## pl\_nameKepler-411 d -1.000e+00  
## pl\_nameKepler-411 e -1.000e+00  
## pl\_nameKepler-412 b -1.000e+00  
## pl\_nameKepler-413 b -1.000e+00  
## pl\_nameKepler-414 b -1.000e+00  
## pl\_nameKepler-414 c -1.000e+00  
## pl\_nameKepler-415 b -1.000e+00  
## pl\_nameKepler-415 c -1.000e+00  
## pl\_nameKepler-416 b -1.000e+00  
## pl\_nameKepler-416 c -1.000e+00  
## pl\_nameKepler-416 d -1.000e+00  
## pl\_nameKepler-417 b -1.000e+00  
## pl\_nameKepler-417 c -1.000e+00  
## pl\_nameKepler-418 c -1.000e+00  
## pl\_nameKepler-419 b -1.000e+00  
## pl\_nameKepler-419 c -1.000e+00  
## pl\_nameKepler-42 b -1.000e+00  
## pl\_nameKepler-42 c -1.000e+00  
## pl\_nameKepler-42 d -1.000e+00  
## pl\_nameKepler-421 b 2.776e-13  
## pl\_nameKepler-422 b -1.000e+00  
## pl\_nameKepler-423 b -1.000e+00  
## pl\_nameKepler-424 b -1.000e+00  
## pl\_nameKepler-425 b -1.000e+00  
## pl\_nameKepler-426 b -1.000e+00  
## pl\_nameKepler-427 b -1.000e+00  
## pl\_nameKepler-428 b -1.000e+00  
## pl\_nameKepler-43 b -1.000e+00  
## pl\_nameKepler-430 b -1.000e+00  
## pl\_nameKepler-430 c -1.000e+00  
## pl\_nameKepler-431 b -1.000e+00  
## pl\_nameKepler-431 c -1.000e+00  
## pl\_nameKepler-431 d -1.000e+00  
## pl\_nameKepler-432 b -1.000e+00  
## pl\_nameKepler-433 b -1.000e+00  
## pl\_nameKepler-434 b -1.000e+00  
## pl\_nameKepler-435 b -1.000e+00  
## pl\_nameKepler-436 b -1.000e+00  
## pl\_nameKepler-436 c -1.000e+00  
## pl\_nameKepler-437 b -1.000e+00  
## pl\_nameKepler-438 b -1.000e+00  
## pl\_nameKepler-439 b -1.000e+00  
## pl\_nameKepler-44 b -1.000e+00  
## pl\_nameKepler-440 b -1.000e+00  
## pl\_nameKepler-441 b -1.000e+00  
## pl\_nameKepler-442 b -1.000e+00  
## pl\_nameKepler-443 b -1.000e+00  
## pl\_nameKepler-444 b -1.000e+00  
## pl\_nameKepler-444 c -1.000e+00  
## pl\_nameKepler-444 d -1.000e+00  
## pl\_nameKepler-444 e -1.000e+00  
## pl\_nameKepler-444 f -1.000e+00  
## pl\_nameKepler-445 b -1.000e+00  
## pl\_nameKepler-445 c -1.000e+00  
## pl\_nameKepler-445 d -1.000e+00  
## pl\_nameKepler-446 b -1.000e+00  
## pl\_nameKepler-446 c -1.000e+00  
## pl\_nameKepler-446 d -1.000e+00  
## pl\_nameKepler-447 b -1.000e+00  
## pl\_nameKepler-448 c -1.000e+00  
## pl\_nameKepler-449 b -1.000e+00  
## pl\_nameKepler-449 c -1.000e+00  
## pl\_nameKepler-45 b -1.000e+00  
## pl\_nameKepler-450 b -1.000e+00  
## pl\_nameKepler-450 c -1.000e+00  
## pl\_nameKepler-450 d -1.000e+00  
## pl\_nameKepler-452 b -1.993e-14  
## pl\_nameKepler-454 b -1.000e+00  
## pl\_nameKepler-454 c 1.932e-13  
## pl\_nameKepler-454 d -1.000e+00  
## pl\_nameKepler-457 d -1.000e+00  
## pl\_nameKepler-458 c -1.000e+00  
## pl\_nameKepler-46 b -1.000e+00  
## pl\_nameKepler-46 c -1.000e+00  
## pl\_nameKepler-46 d -1.000e+00  
## pl\_nameKepler-460 c -1.000e+00  
## pl\_nameKepler-461 b -1.000e+00  
## pl\_nameKepler-462 b -1.000e+00  
## pl\_nameKepler-462 c -1.000e+00  
## pl\_nameKepler-463 b -1.000e+00  
## pl\_nameKepler-464 b -1.000e+00  
## pl\_nameKepler-465 b -1.000e+00  
## pl\_nameKepler-466 b -1.000e+00  
## pl\_nameKepler-466 c -1.000e+00  
## pl\_nameKepler-467 b -1.000e+00  
## pl\_nameKepler-47 b -1.000e+00  
## pl\_nameKepler-47 c 5.802e-14  
## pl\_nameKepler-47 d -1.000e+00  
## pl\_nameKepler-470 b -1.000e+00  
## pl\_nameKepler-471 b -1.000e+00  
## pl\_nameKepler-472 b -1.000e+00  
## pl\_nameKepler-473 b -1.000e+00  
## pl\_nameKepler-474 b -1.000e+00  
## pl\_nameKepler-475 b -1.000e+00  
## pl\_nameKepler-476 b -1.000e+00  
## pl\_nameKepler-478 b -1.000e+00  
## pl\_nameKepler-479 b -1.000e+00  
## pl\_nameKepler-48 b -1.000e+00  
## pl\_nameKepler-48 c -1.000e+00  
## pl\_nameKepler-48 d -1.000e+00  
## pl\_nameKepler-480 b -1.000e+00  
## pl\_nameKepler-481 b -1.000e+00  
## pl\_nameKepler-482 b -1.000e+00  
## pl\_nameKepler-483 b -1.000e+00  
## pl\_nameKepler-484 b -1.000e+00  
## pl\_nameKepler-485 b -1.000e+00  
## pl\_nameKepler-487 c -1.000e+00  
## pl\_nameKepler-487 d -1.000e+00  
## pl\_nameKepler-488 b -1.000e+00  
## pl\_nameKepler-489 b -1.000e+00  
## pl\_nameKepler-49 b -1.000e+00  
## pl\_nameKepler-49 c -1.000e+00  
## pl\_nameKepler-49 d -1.000e+00  
## pl\_nameKepler-49 e -1.000e+00  
## pl\_nameKepler-491 b -1.000e+00  
## pl\_nameKepler-493 b -1.000e+00  
## pl\_nameKepler-494 b -1.000e+00  
## pl\_nameKepler-495 b -1.000e+00  
## pl\_nameKepler-495 c -1.000e+00  
## pl\_nameKepler-496 b -1.000e+00  
## pl\_nameKepler-497 b -1.000e+00  
## pl\_nameKepler-498 b -1.000e+00  
## pl\_nameKepler-499 b -1.000e+00  
## pl\_nameKepler-5 b -1.000e+00  
## pl\_nameKepler-500 b -1.000e+00  
## pl\_nameKepler-501 b -1.000e+00  
## pl\_nameKepler-501 c -1.000e+00  
## pl\_nameKepler-502 b -1.000e+00  
## pl\_nameKepler-504 b -1.000e+00  
## pl\_nameKepler-505 b -1.000e+00  
## pl\_nameKepler-506 b -1.000e+00  
## pl\_nameKepler-507 b -1.000e+00  
## pl\_nameKepler-508 b -1.000e+00  
## pl\_nameKepler-509 b -1.000e+00  
## pl\_nameKepler-51 b -1.000e+00  
## pl\_nameKepler-51 c -1.000e+00  
## pl\_nameKepler-51 d -1.000e+00  
## pl\_nameKepler-510 b -1.000e+00  
## pl\_nameKepler-511 b -1.000e+00  
## pl\_nameKepler-511 c -1.000e+00  
## pl\_nameKepler-512 b -1.000e+00  
## pl\_nameKepler-513 b -1.000e+00  
## pl\_nameKepler-514 b -1.000e+00  
## pl\_nameKepler-516 b -1.000e+00  
## pl\_nameKepler-517 b -1.000e+00  
## pl\_nameKepler-518 b -1.000e+00  
## pl\_nameKepler-519 b -1.000e+00  
## pl\_nameKepler-52 d -1.000e+00  
## pl\_nameKepler-520 b -1.000e+00  
## pl\_nameKepler-520 c -1.000e+00  
## pl\_nameKepler-521 b -1.000e+00  
## pl\_nameKepler-522 b -1.000e+00  
## pl\_nameKepler-523 b -1.000e+00  
## pl\_nameKepler-524 b -1.000e+00  
## pl\_nameKepler-524 c -1.000e+00  
## pl\_nameKepler-525 b -1.000e+00  
## pl\_nameKepler-526 b -1.000e+00  
## pl\_nameKepler-527 b -1.000e+00  
## pl\_nameKepler-528 b -1.000e+00  
## pl\_nameKepler-529 b -1.000e+00  
## pl\_nameKepler-529 c -1.000e+00  
## pl\_nameKepler-529 d -1.000e+00  
## pl\_nameKepler-53 d -1.000e+00  
## pl\_nameKepler-530 b -1.000e+00  
## pl\_nameKepler-531 b -1.000e+00  
## pl\_nameKepler-532 b -1.000e+00  
## pl\_nameKepler-533 b -1.000e+00  
## pl\_nameKepler-534 b -1.000e+00  
## pl\_nameKepler-534 c -1.000e+00  
## pl\_nameKepler-535 b -1.000e+00  
## pl\_nameKepler-536 b -1.000e+00  
## pl\_nameKepler-537 b -1.000e+00  
## pl\_nameKepler-538 b -1.000e+00  
## pl\_nameKepler-539 b -1.000e+00  
## pl\_nameKepler-539 c -1.000e+00  
## pl\_nameKepler-54 b -1.000e+00  
## pl\_nameKepler-54 c -1.000e+00  
## pl\_nameKepler-54 d -1.000e+00  
## pl\_nameKepler-540 b -1.000e+00  
## pl\_nameKepler-541 b -1.000e+00  
## pl\_nameKepler-542 b -1.000e+00  
## pl\_nameKepler-543 b -1.000e+00  
## pl\_nameKepler-544 b -1.000e+00  
## pl\_nameKepler-545 b -1.000e+00  
## pl\_nameKepler-546 b -1.000e+00  
## pl\_nameKepler-547 b -1.000e+00  
## pl\_nameKepler-549 b -1.000e+00  
## pl\_nameKepler-549 c -1.000e+00  
## pl\_nameKepler-549 d -1.000e+00  
## pl\_nameKepler-55 b -1.000e+00  
## pl\_nameKepler-55 c -1.000e+00  
## pl\_nameKepler-55 d -1.000e+00  
## pl\_nameKepler-55 e -1.000e+00  
## pl\_nameKepler-55 f -1.000e+00  
## pl\_nameKepler-550 b -1.000e+00  
## pl\_nameKepler-551 b -1.000e+00  
## pl\_nameKepler-552 b -1.000e+00  
## pl\_nameKepler-553 b -1.000e+00  
## pl\_nameKepler-554 b -1.000e+00  
## pl\_nameKepler-555 b -1.000e+00  
## pl\_nameKepler-556 b -1.000e+00  
## pl\_nameKepler-557 b -1.000e+00  
## pl\_nameKepler-558 b -1.000e+00  
## pl\_nameKepler-559 b -1.000e+00  
## pl\_nameKepler-56 b -1.000e+00  
## pl\_nameKepler-56 c -1.000e+00  
## pl\_nameKepler-56 d -1.000e+00  
## pl\_nameKepler-560 b -1.000e+00  
## pl\_nameKepler-561 b -1.000e+00  
## pl\_nameKepler-561 c -1.000e+00  
## pl\_nameKepler-562 b -1.000e+00  
## pl\_nameKepler-563 b -1.000e+00  
## pl\_nameKepler-564 b -1.000e+00  
## pl\_nameKepler-566 b -1.000e+00  
## pl\_nameKepler-567 b -1.000e+00  
## pl\_nameKepler-568 b -1.000e+00  
## pl\_nameKepler-569 b -1.000e+00  
## pl\_nameKepler-570 b -1.000e+00  
## pl\_nameKepler-571 b -1.000e+00  
## pl\_nameKepler-572 b -1.000e+00  
## pl\_nameKepler-573 b -1.000e+00  
## pl\_nameKepler-574 b -1.000e+00  
## pl\_nameKepler-575 b -1.000e+00  
## pl\_nameKepler-576 b -1.000e+00  
## pl\_nameKepler-577 b -1.000e+00  
## pl\_nameKepler-578 b -1.000e+00  
## pl\_nameKepler-579 b -1.000e+00  
## pl\_nameKepler-58 d -1.000e+00  
## pl\_nameKepler-58 e -1.000e+00  
## pl\_nameKepler-580 b -1.000e+00  
## pl\_nameKepler-581 b -1.000e+00  
## pl\_nameKepler-582 b -1.000e+00  
## pl\_nameKepler-583 b -1.000e+00  
## pl\_nameKepler-584 b -1.000e+00  
## pl\_nameKepler-585 b -1.000e+00  
## pl\_nameKepler-586 b -1.000e+00  
## pl\_nameKepler-587 b -1.000e+00  
## pl\_nameKepler-588 b -1.000e+00  
## pl\_nameKepler-589 b -1.000e+00  
## pl\_nameKepler-589 c -1.000e+00  
## pl\_nameKepler-59 b -1.000e+00  
## pl\_nameKepler-59 c -1.000e+00  
## pl\_nameKepler-590 b -1.000e+00  
## pl\_nameKepler-591 b -1.000e+00  
## pl\_nameKepler-592 b -1.000e+00  
## pl\_nameKepler-593 b -1.000e+00  
## pl\_nameKepler-594 b -1.000e+00  
## pl\_nameKepler-595 b -1.000e+00  
## pl\_nameKepler-595 c -1.000e+00  
## pl\_nameKepler-596 b -1.000e+00  
## pl\_nameKepler-597 b -1.000e+00  
## pl\_nameKepler-598 b -1.000e+00  
## pl\_nameKepler-598 c -1.000e+00  
## pl\_nameKepler-599 b -1.000e+00  
## pl\_nameKepler-6 b -1.000e+00  
## pl\_nameKepler-60 b -1.000e+00  
## pl\_nameKepler-60 c -1.000e+00  
## pl\_nameKepler-60 d -1.000e+00  
## pl\_nameKepler-600 b -1.000e+00  
## pl\_nameKepler-601 b -1.000e+00  
## pl\_nameKepler-602 b -1.000e+00  
## pl\_nameKepler-603 b -1.000e+00  
## pl\_nameKepler-603 c -1.000e+00  
## pl\_nameKepler-603 d -1.000e+00  
## pl\_nameKepler-604 b -1.000e+00  
## pl\_nameKepler-605 b -1.000e+00  
## pl\_nameKepler-605 c -1.000e+00  
## pl\_nameKepler-606 b -1.000e+00  
## pl\_nameKepler-607 b -1.000e+00  
## pl\_nameKepler-607 c -1.000e+00  
## pl\_nameKepler-608 b -1.000e+00  
## pl\_nameKepler-609 b -1.000e+00  
## pl\_nameKepler-61 b -1.000e+00  
## pl\_nameKepler-610 b -1.000e+00  
## pl\_nameKepler-610 c -1.000e+00  
## pl\_nameKepler-611 b -1.000e+00  
## pl\_nameKepler-612 b -1.000e+00  
## pl\_nameKepler-613 b -1.000e+00  
## pl\_nameKepler-614 b -1.000e+00  
## pl\_nameKepler-615 b -1.000e+00  
## pl\_nameKepler-616 b -1.000e+00  
## pl\_nameKepler-616 c -1.000e+00  
## pl\_nameKepler-616 d -1.000e+00  
## pl\_nameKepler-617 b -1.000e+00  
## pl\_nameKepler-618 b -1.000e+00  
## pl\_nameKepler-618 d -1.000e+00  
## pl\_nameKepler-619 b -1.000e+00  
## pl\_nameKepler-619 c -1.000e+00  
## pl\_nameKepler-620 b -1.000e+00  
## pl\_nameKepler-621 b -1.000e+00  
## pl\_nameKepler-622 b -1.000e+00  
## pl\_nameKepler-623 b -1.000e+00  
## pl\_nameKepler-624 b -1.000e+00  
## pl\_nameKepler-625 b -1.000e+00  
## pl\_nameKepler-625 c -1.000e+00  
## pl\_nameKepler-626 b -1.000e+00  
## pl\_nameKepler-627 b -1.000e+00  
## pl\_nameKepler-628 b -1.000e+00  
## pl\_nameKepler-629 b -1.000e+00  
## pl\_nameKepler-63 b -1.000e+00  
## pl\_nameKepler-630 b -1.000e+00  
## pl\_nameKepler-631 b -1.000e+00  
## pl\_nameKepler-634 b -1.000e+00  
## pl\_nameKepler-635 b -1.000e+00  
## pl\_nameKepler-637 b -1.000e+00  
## pl\_nameKepler-638 b -1.000e+00  
## pl\_nameKepler-639 b -1.000e+00  
## pl\_nameKepler-640 b -1.000e+00  
## pl\_nameKepler-641 b -1.000e+00  
## pl\_nameKepler-642 b -1.000e+00  
## pl\_nameKepler-643 b -1.000e+00  
## pl\_nameKepler-644 b -1.000e+00  
## pl\_nameKepler-645 b -1.000e+00  
## pl\_nameKepler-646 b -1.000e+00  
## pl\_nameKepler-647 b -1.000e+00  
## pl\_nameKepler-647 c -1.000e+00  
## pl\_nameKepler-648 b -1.000e+00  
## pl\_nameKepler-649 b -1.000e+00  
## pl\_nameKepler-65 b -1.000e+00  
## pl\_nameKepler-65 c -1.000e+00  
## pl\_nameKepler-65 d -1.000e+00  
## pl\_nameKepler-650 b -1.000e+00  
## pl\_nameKepler-651 b -1.000e+00  
## pl\_nameKepler-652 b -1.000e+00  
## pl\_nameKepler-653 b -1.000e+00  
## pl\_nameKepler-653 c -1.000e+00  
## pl\_nameKepler-654 b -1.000e+00  
## pl\_nameKepler-655 b -1.000e+00  
## pl\_nameKepler-656 b -1.000e+00  
## pl\_nameKepler-656 c -1.000e+00  
## pl\_nameKepler-657 b -1.000e+00  
## pl\_nameKepler-658 b -1.000e+00  
## pl\_nameKepler-659 b -1.000e+00  
## pl\_nameKepler-66 b -1.000e+00  
## pl\_nameKepler-660 b -1.000e+00  
## pl\_nameKepler-661 b -1.000e+00  
## pl\_nameKepler-662 b -1.000e+00  
## pl\_nameKepler-663 b -1.000e+00  
## pl\_nameKepler-664 b -1.000e+00  
## pl\_nameKepler-665 b -1.000e+00  
## pl\_nameKepler-666 b -1.000e+00  
## pl\_nameKepler-667 b -1.000e+00  
## pl\_nameKepler-668 b -1.000e+00  
## pl\_nameKepler-669 b -1.000e+00  
## pl\_nameKepler-67 b -1.000e+00  
## pl\_nameKepler-671 b -1.000e+00  
## pl\_nameKepler-672 b -1.000e+00  
## pl\_nameKepler-673 b -1.000e+00  
## pl\_nameKepler-674 b -1.000e+00  
## pl\_nameKepler-675 b -1.000e+00  
## pl\_nameKepler-676 b -1.000e+00  
## pl\_nameKepler-677 b -1.000e+00  
## pl\_nameKepler-678 b -1.000e+00  
## pl\_nameKepler-679 b -1.000e+00  
## pl\_nameKepler-68 b -1.000e+00  
## pl\_nameKepler-68 c -1.000e+00  
## pl\_nameKepler-68 d 1.770e-13  
## pl\_nameKepler-68 e -1.000e+00  
## pl\_nameKepler-680 b -1.000e+00  
## pl\_nameKepler-681 b -1.000e+00  
## pl\_nameKepler-682 b -1.000e+00  
## pl\_nameKepler-683 b -1.000e+00  
## pl\_nameKepler-684 b -1.000e+00  
## pl\_nameKepler-685 b -1.000e+00  
## pl\_nameKepler-687 b -1.000e+00  
## pl\_nameKepler-688 b -1.000e+00  
## pl\_nameKepler-689 b -1.000e+00  
## pl\_nameKepler-69 b -1.000e+00  
## pl\_nameKepler-69 c -1.000e+00  
## pl\_nameKepler-690 b -1.000e+00  
## pl\_nameKepler-691 b -1.000e+00  
## pl\_nameKepler-692 b -1.000e+00  
## pl\_nameKepler-693 b -1.000e+00  
## pl\_nameKepler-694 b -1.000e+00  
## pl\_nameKepler-695 b -1.000e+00  
## pl\_nameKepler-696 b -1.000e+00  
## pl\_nameKepler-697 b -1.000e+00  
## pl\_nameKepler-698 b -1.000e+00  
## pl\_nameKepler-7 b -1.000e+00  
## pl\_nameKepler-700 b -1.000e+00  
## pl\_nameKepler-701 b -1.000e+00  
## pl\_nameKepler-702 b -1.000e+00  
## pl\_nameKepler-703 b -1.000e+00  
## pl\_nameKepler-704 b -1.000e+00  
## pl\_nameKepler-705 b -1.000e+00  
## pl\_nameKepler-707 b -1.000e+00  
## pl\_nameKepler-708 b -1.000e+00  
## pl\_nameKepler-709 b -1.000e+00  
## pl\_nameKepler-710 b -1.000e+00  
## pl\_nameKepler-711 b -1.000e+00  
## pl\_nameKepler-712 b -1.000e+00  
## pl\_nameKepler-712 c -1.000e+00  
## pl\_nameKepler-713 b -1.000e+00  
## pl\_nameKepler-714 b -1.000e+00  
## pl\_nameKepler-715 b -1.000e+00  
## pl\_nameKepler-716 b -1.000e+00  
## pl\_nameKepler-716 c -1.000e+00  
## pl\_nameKepler-717 b -1.000e+00  
## pl\_nameKepler-718 b -1.000e+00  
## pl\_nameKepler-719 b -1.000e+00  
## pl\_nameKepler-720 b -1.000e+00  
## pl\_nameKepler-721 b -1.000e+00  
## pl\_nameKepler-722 b -1.000e+00  
## pl\_nameKepler-722 c -1.000e+00  
## pl\_nameKepler-724 b -1.000e+00  
## pl\_nameKepler-725 b -1.000e+00  
## pl\_nameKepler-726 b -1.000e+00  
## pl\_nameKepler-727 b -1.000e+00  
## pl\_nameKepler-728 b -1.000e+00  
## pl\_nameKepler-729 b -1.000e+00  
## pl\_nameKepler-730 c -1.000e+00  
## pl\_nameKepler-732 b -1.000e+00  
## pl\_nameKepler-732 c -1.000e+00  
## pl\_nameKepler-733 b -1.000e+00  
## pl\_nameKepler-734 b -1.000e+00  
## pl\_nameKepler-735 b -1.000e+00  
## pl\_nameKepler-736 b -1.000e+00  
## pl\_nameKepler-737 b -1.000e+00  
## pl\_nameKepler-738 b -1.000e+00  
## pl\_nameKepler-739 b -1.000e+00  
## pl\_nameKepler-74 b -1.000e+00  
## pl\_nameKepler-740 b -1.000e+00  
## pl\_nameKepler-741 b -1.000e+00  
## pl\_nameKepler-742 b -1.000e+00  
## pl\_nameKepler-743 b -1.000e+00  
## pl\_nameKepler-744 b -1.000e+00  
## pl\_nameKepler-745 b -1.000e+00  
## pl\_nameKepler-746 b -1.000e+00  
## pl\_nameKepler-747 b -1.000e+00  
## pl\_nameKepler-748 b -1.000e+00  
## pl\_nameKepler-749 b -1.000e+00  
## pl\_nameKepler-75 b -1.000e+00  
## pl\_nameKepler-750 b -1.000e+00  
## pl\_nameKepler-750 c -1.000e+00  
## pl\_nameKepler-751 b -1.000e+00  
## pl\_nameKepler-752 b -1.000e+00  
## pl\_nameKepler-753 b -1.000e+00  
## pl\_nameKepler-754 b -1.000e+00  
## pl\_nameKepler-755 b -1.000e+00  
## pl\_nameKepler-755 c -1.000e+00  
## pl\_nameKepler-756 b -1.000e+00  
## pl\_nameKepler-757 b -1.000e+00  
## pl\_nameKepler-758 b -1.000e+00  
## pl\_nameKepler-758 c -1.000e+00  
## pl\_nameKepler-758 d -1.000e+00  
## pl\_nameKepler-758 e -1.000e+00  
## pl\_nameKepler-759 b -1.000e+00  
## pl\_nameKepler-76 b -1.000e+00  
## pl\_nameKepler-760 b -1.000e+00  
## pl\_nameKepler-760 c -1.000e+00  
## pl\_nameKepler-761 b -1.000e+00  
## pl\_nameKepler-763 b -1.000e+00  
## pl\_nameKepler-763 c -1.000e+00  
## pl\_nameKepler-763 d -1.000e+00  
## pl\_nameKepler-764 b -1.000e+00  
## pl\_nameKepler-765 b -1.000e+00  
## pl\_nameKepler-766 b -1.000e+00  
## pl\_nameKepler-767 b -1.000e+00  
## pl\_nameKepler-768 b -1.000e+00  
## pl\_nameKepler-769 b -1.000e+00  
## pl\_nameKepler-769 c -1.000e+00  
## pl\_nameKepler-77 b -1.000e+00  
## pl\_nameKepler-770 b -1.000e+00  
## pl\_nameKepler-770 c -1.000e+00  
## pl\_nameKepler-770 d -1.000e+00  
## pl\_nameKepler-771 b -1.000e+00  
## pl\_nameKepler-772 b -1.000e+00  
## pl\_nameKepler-773 b -1.000e+00  
## pl\_nameKepler-774 b -1.000e+00  
## pl\_nameKepler-775 b -1.000e+00  
## pl\_nameKepler-776 b -1.000e+00  
## pl\_nameKepler-777 b -1.000e+00  
## pl\_nameKepler-778 b -1.000e+00  
## pl\_nameKepler-779 b -1.000e+00  
## pl\_nameKepler-78 b -1.000e+00  
## pl\_nameKepler-780 b -1.000e+00  
## pl\_nameKepler-781 b -1.000e+00  
## pl\_nameKepler-782 b -1.000e+00  
## pl\_nameKepler-783 b -1.000e+00  
## pl\_nameKepler-783 c -1.000e+00  
## pl\_nameKepler-784 b -1.000e+00  
## pl\_nameKepler-784 c -1.000e+00  
## pl\_nameKepler-786 b -1.000e+00  
## pl\_nameKepler-787 b -1.000e+00  
## pl\_nameKepler-788 b -1.000e+00  
## pl\_nameKepler-789 b -1.000e+00  
## pl\_nameKepler-79 b -1.000e+00  
## pl\_nameKepler-79 c -1.000e+00  
## pl\_nameKepler-79 d -1.000e+00  
## pl\_nameKepler-79 e -1.000e+00  
## pl\_nameKepler-790 b -1.000e+00  
## pl\_nameKepler-791 b -1.000e+00  
## pl\_nameKepler-792 b -1.000e+00  
## pl\_nameKepler-793 b -1.000e+00  
## pl\_nameKepler-794 b -1.000e+00  
## pl\_nameKepler-795 b -1.000e+00  
## pl\_nameKepler-796 b -1.000e+00  
## pl\_nameKepler-797 b -1.000e+00  
## pl\_nameKepler-798 b -1.000e+00  
## pl\_nameKepler-8 b -1.000e+00  
## pl\_nameKepler-80 b -1.000e+00  
## pl\_nameKepler-80 c -1.000e+00  
## pl\_nameKepler-80 d -1.000e+00  
## pl\_nameKepler-80 e -1.000e+00  
## pl\_nameKepler-80 f -1.000e+00  
## pl\_nameKepler-800 b -1.000e+00  
## pl\_nameKepler-801 b -1.000e+00  
## pl\_nameKepler-802 b -1.000e+00  
## pl\_nameKepler-803 b -1.000e+00  
## pl\_nameKepler-804 b -1.000e+00  
## pl\_nameKepler-804 c -1.000e+00  
## pl\_nameKepler-805 b -1.000e+00  
## pl\_nameKepler-806 b -1.000e+00  
## pl\_nameKepler-807 b -1.000e+00  
## pl\_nameKepler-808 b -1.000e+00  
## pl\_nameKepler-809 b -1.000e+00  
## pl\_nameKepler-81 b -1.000e+00  
## pl\_nameKepler-81 c -1.000e+00  
## pl\_nameKepler-81 d -1.000e+00  
## pl\_nameKepler-810 b -1.000e+00  
## pl\_nameKepler-811 b -1.000e+00  
## pl\_nameKepler-812 b -1.000e+00  
## pl\_nameKepler-813 b -1.000e+00  
## pl\_nameKepler-814 b -1.000e+00  
## pl\_nameKepler-815 b -1.000e+00  
## pl\_nameKepler-816 b -1.000e+00  
## pl\_nameKepler-817 b -1.000e+00  
## pl\_nameKepler-818 b -1.000e+00  
## pl\_nameKepler-819 b -1.000e+00  
## pl\_nameKepler-82 b -1.000e+00  
## pl\_nameKepler-82 c -1.000e+00  
## pl\_nameKepler-82 d -1.000e+00  
## pl\_nameKepler-82 e -1.000e+00  
## pl\_nameKepler-82 f -1.000e+00  
## pl\_nameKepler-820 b -1.000e+00  
## pl\_nameKepler-821 b -1.000e+00  
## pl\_nameKepler-822 b -1.000e+00  
## pl\_nameKepler-823 b -1.000e+00  
## pl\_nameKepler-824 b -1.000e+00  
## pl\_nameKepler-825 b -1.000e+00  
## pl\_nameKepler-825 c -1.000e+00  
## pl\_nameKepler-826 b -1.000e+00  
## pl\_nameKepler-827 b -1.000e+00  
## pl\_nameKepler-828 b -1.000e+00  
## pl\_nameKepler-829 b -1.000e+00  
## pl\_nameKepler-83 b -1.000e+00  
## pl\_nameKepler-83 c -1.000e+00  
## pl\_nameKepler-83 d -1.000e+00  
## pl\_nameKepler-830 b -1.000e+00  
## pl\_nameKepler-831 b -1.000e+00  
## pl\_nameKepler-832 b -1.000e+00  
## pl\_nameKepler-833 b -1.000e+00  
## pl\_nameKepler-834 b -1.000e+00  
## pl\_nameKepler-835 b -1.000e+00  
## pl\_nameKepler-836 b -1.000e+00  
## pl\_nameKepler-837 b -1.000e+00  
## pl\_nameKepler-838 b -1.000e+00  
## pl\_nameKepler-839 b -1.000e+00  
## pl\_nameKepler-84 b -1.000e+00  
## pl\_nameKepler-84 c -1.000e+00  
## pl\_nameKepler-84 d -1.000e+00  
## pl\_nameKepler-84 e -1.000e+00  
## pl\_nameKepler-84 f -1.000e+00  
## pl\_nameKepler-841 b -1.000e+00  
## pl\_nameKepler-842 b -1.000e+00  
## pl\_nameKepler-843 b -1.000e+00  
## pl\_nameKepler-844 b -1.000e+00  
## pl\_nameKepler-845 b -1.000e+00  
## pl\_nameKepler-846 b -1.000e+00  
## pl\_nameKepler-847 b -1.000e+00  
## pl\_nameKepler-848 b -1.000e+00  
## pl\_nameKepler-849 b 2.053e-13  
## pl\_nameKepler-85 b -1.000e+00  
## pl\_nameKepler-85 c -1.000e+00  
## pl\_nameKepler-85 d -1.000e+00  
## pl\_nameKepler-85 e -1.000e+00  
## pl\_nameKepler-850 b -1.000e+00  
## pl\_nameKepler-851 b -1.000e+00  
## pl\_nameKepler-852 b -1.000e+00  
## pl\_nameKepler-853 b -1.000e+00  
## pl\_nameKepler-855 b -1.000e+00  
## pl\_nameKepler-856 b -1.000e+00  
## pl\_nameKepler-857 b -1.000e+00  
## pl\_nameKepler-858 b -1.000e+00  
## pl\_nameKepler-859 b -1.000e+00  
## pl\_nameKepler-860 b -1.000e+00  
## pl\_nameKepler-861 b -1.000e+00  
## pl\_nameKepler-862 b -1.000e+00  
## pl\_nameKepler-863 b -1.000e+00  
## pl\_nameKepler-864 b -1.000e+00  
## pl\_nameKepler-864 c -1.000e+00  
## pl\_nameKepler-865 b -1.000e+00  
## pl\_nameKepler-865 c -1.000e+00  
## pl\_nameKepler-866 b -1.000e+00  
## pl\_nameKepler-867 b -1.000e+00  
## pl\_nameKepler-868 b -1.000e+00  
## pl\_nameKepler-869 b -1.000e+00  
## pl\_nameKepler-87 b -1.000e+00  
## pl\_nameKepler-87 c -1.000e+00  
## pl\_nameKepler-870 b -1.000e+00  
## pl\_nameKepler-871 b -1.000e+00  
## pl\_nameKepler-872 b -1.000e+00  
## pl\_nameKepler-873 b -1.000e+00  
## pl\_nameKepler-874 b -1.000e+00  
## pl\_nameKepler-875 b -1.000e+00  
## pl\_nameKepler-876 b -1.000e+00  
## pl\_nameKepler-877 b -1.000e+00  
## pl\_nameKepler-878 b -1.000e+00  
## pl\_nameKepler-879 b -1.000e+00  
## pl\_nameKepler-880 b -1.000e+00  
## pl\_nameKepler-880 c -1.000e+00  
## pl\_nameKepler-881 b -1.000e+00  
## pl\_nameKepler-882 b -1.000e+00  
## pl\_nameKepler-883 b -1.000e+00  
## pl\_nameKepler-884 b -1.000e+00  
## pl\_nameKepler-885 b -1.000e+00  
## pl\_nameKepler-886 b -1.000e+00  
## pl\_nameKepler-887 b -1.000e+00  
## pl\_nameKepler-887 c -1.000e+00  
## pl\_nameKepler-888 b -1.000e+00  
## pl\_nameKepler-889 b -1.000e+00  
## pl\_nameKepler-890 b -1.000e+00  
## pl\_nameKepler-891 b -1.000e+00  
## pl\_nameKepler-892 b -1.000e+00  
## pl\_nameKepler-893 b -1.000e+00  
## pl\_nameKepler-894 b -1.000e+00  
## pl\_nameKepler-895 b -1.000e+00  
## pl\_nameKepler-896 b -1.000e+00  
## pl\_nameKepler-896 c -1.000e+00  
## pl\_nameKepler-897 b -1.000e+00  
## pl\_nameKepler-898 b -1.000e+00  
## pl\_nameKepler-899 b -1.000e+00  
## pl\_nameKepler-9 b -1.000e+00  
## pl\_nameKepler-9 c -1.000e+00  
## pl\_nameKepler-9 d -1.000e+00  
## pl\_nameKepler-900 b -1.000e+00  
## pl\_nameKepler-901 b -1.000e+00  
## pl\_nameKepler-902 b -1.000e+00  
## pl\_nameKepler-903 b -1.000e+00  
## pl\_nameKepler-903 c -1.000e+00  
## pl\_nameKepler-904 b -1.000e+00  
## pl\_nameKepler-905 b -1.000e+00  
## pl\_nameKepler-906 b -1.000e+00  
## pl\_nameKepler-907 b -1.000e+00  
## pl\_nameKepler-908 b -1.000e+00  
## pl\_nameKepler-909 b -1.000e+00  
## pl\_nameKepler-91 b -1.000e+00  
## pl\_nameKepler-910 b -1.000e+00  
## pl\_nameKepler-911 b -1.000e+00  
## pl\_nameKepler-912 b -1.000e+00  
## pl\_nameKepler-913 b -1.000e+00  
## pl\_nameKepler-913 c -1.000e+00  
## pl\_nameKepler-914 b -1.000e+00  
## pl\_nameKepler-915 b -1.000e+00  
## pl\_nameKepler-916 b -1.000e+00  
## pl\_nameKepler-917 b -1.000e+00  
## pl\_nameKepler-918 b -1.000e+00  
## pl\_nameKepler-919 b -1.000e+00  
## pl\_nameKepler-92 b -1.000e+00  
## pl\_nameKepler-92 c -1.000e+00  
## pl\_nameKepler-92 d -1.000e+00  
## pl\_nameKepler-920 b -1.000e+00  
## pl\_nameKepler-920 c -1.000e+00  
## pl\_nameKepler-921 b -1.000e+00  
## pl\_nameKepler-922 b -1.000e+00  
## pl\_nameKepler-923 b -1.000e+00  
## pl\_nameKepler-924 b -1.000e+00  
## pl\_nameKepler-925 b -1.000e+00  
## pl\_nameKepler-926 b -1.000e+00  
## pl\_nameKepler-927 b -1.000e+00  
## pl\_nameKepler-928 b -1.000e+00  
## pl\_nameKepler-929 b -1.000e+00  
## pl\_nameKepler-93 b -1.000e+00  
## pl\_nameKepler-930 b -1.000e+00  
## pl\_nameKepler-931 b -1.000e+00  
## pl\_nameKepler-932 b -1.000e+00  
## pl\_nameKepler-933 b -1.000e+00  
## pl\_nameKepler-934 b -1.000e+00  
## pl\_nameKepler-935 b -1.000e+00  
## pl\_nameKepler-936 b -1.000e+00  
## pl\_nameKepler-937 b -1.000e+00  
## pl\_nameKepler-937 c -1.000e+00  
## pl\_nameKepler-939 b -1.000e+00  
## pl\_nameKepler-94 b -1.000e+00  
## pl\_nameKepler-940 b -1.000e+00  
## pl\_nameKepler-941 b -1.000e+00  
## pl\_nameKepler-942 b -1.000e+00  
## pl\_nameKepler-943 b -1.000e+00  
## pl\_nameKepler-944 b -1.000e+00  
## pl\_nameKepler-945 b -1.000e+00  
## pl\_nameKepler-946 b -1.000e+00  
## pl\_nameKepler-947 b -1.000e+00  
## pl\_nameKepler-948 b -1.000e+00  
## pl\_nameKepler-949 b -1.000e+00  
## pl\_nameKepler-949 c -1.000e+00  
## pl\_nameKepler-95 b -1.000e+00  
## pl\_nameKepler-950 b -1.000e+00  
## pl\_nameKepler-951 b -1.000e+00  
## pl\_nameKepler-952 b -1.000e+00  
## pl\_nameKepler-953 b -1.000e+00  
## pl\_nameKepler-953 c -1.000e+00  
## pl\_nameKepler-954 b -1.000e+00  
## pl\_nameKepler-955 b -1.000e+00  
## pl\_nameKepler-956 b -1.000e+00  
## pl\_nameKepler-957 b -1.000e+00  
## pl\_nameKepler-958 b -1.000e+00  
## pl\_nameKepler-959 b -1.000e+00  
## pl\_nameKepler-96 b -1.000e+00  
## pl\_nameKepler-960 b -1.000e+00  
## pl\_nameKepler-961 b -1.000e+00  
## pl\_nameKepler-962 b -1.000e+00  
## pl\_nameKepler-963 b -1.000e+00  
## pl\_nameKepler-964 b -1.000e+00  
## pl\_nameKepler-965 b -1.000e+00  
## pl\_nameKepler-966 b -1.000e+00  
## pl\_nameKepler-967 b -1.000e+00  
## pl\_nameKepler-967 c -1.000e+00  
## pl\_nameKepler-968 b -1.000e+00  
## pl\_nameKepler-968 c -1.000e+00  
## pl\_nameKepler-969 b -1.000e+00  
## pl\_nameKepler-969 c -1.000e+00  
## pl\_nameKepler-97 b -1.000e+00  
## pl\_nameKepler-970 b -1.000e+00  
## pl\_nameKepler-971 b -1.000e+00  
## pl\_nameKepler-972 b -1.000e+00  
## pl\_nameKepler-973 b -1.000e+00  
## pl\_nameKepler-974 b -1.000e+00  
## pl\_nameKepler-975 b -1.000e+00  
## pl\_nameKepler-975 c -1.000e+00  
## pl\_nameKepler-976 b -1.000e+00  
## pl\_nameKepler-977 b -1.000e+00  
## pl\_nameKepler-978 b -1.000e+00  
## pl\_nameKepler-979 b -1.000e+00  
## pl\_nameKepler-98 b -1.000e+00  
## pl\_nameKepler-980 b -1.000e+00  
## pl\_nameKepler-981 b -1.000e+00  
## pl\_nameKepler-982 b -1.000e+00  
## pl\_nameKepler-983 b -1.000e+00  
## pl\_nameKepler-984 b -1.000e+00  
## pl\_nameKepler-985 b -1.000e+00  
## pl\_nameKepler-986 b -1.000e+00  
## pl\_nameKepler-987 b -1.000e+00  
## pl\_nameKepler-988 b -1.000e+00  
## pl\_nameKepler-989 b -1.000e+00  
## pl\_nameKepler-99 b -1.000e+00  
## pl\_nameKepler-990 b -1.000e+00  
## pl\_nameKepler-990 c -1.000e+00  
## pl\_nameKepler-991 b -1.000e+00  
## pl\_nameKepler-992 b -1.000e+00  
## pl\_nameKepler-993 b -1.000e+00  
## pl\_nameKepler-994 b -1.000e+00  
## pl\_nameKepler-995 b -1.000e+00  
## pl\_nameKepler-996 b -1.000e+00  
## pl\_nameKepler-997 b -1.000e+00  
## pl\_nameKepler-998 b -1.000e+00  
## pl\_nameKepler-999 b -1.000e+00  
## pl\_nameKIC 3526061 b -1.000e+00  
## pl\_nameKIC 5095269 b -1.000e+00  
## pl\_nameKIC 5437945 b 9.510e-13  
## pl\_nameKIC 9663113 b 8.399e-13  
## pl\_nameKOI-12 b -1.000e+00  
## pl\_nameKOI-1257 b -1.000e+00  
## pl\_nameKOI-13 b -1.000e+00  
## pl\_nameKOI-142 b -1.000e+00  
## pl\_nameKOI-142 c -1.000e+00  
## pl\_nameKOI-1599.01 -1.000e+00  
## pl\_nameKOI-1599.02 -1.000e+00  
## pl\_nameKOI-1783.01 -1.000e+00  
## pl\_nameKOI-1783.02 -1.000e+00  
## pl\_nameKOI-1831 d -1.000e+00  
## pl\_nameKOI-1833 d -1.000e+00  
## pl\_nameKOI-3503 b -1.000e+00  
## pl\_nameKOI-3503 c -1.000e+00  
## pl\_nameKOI-351 b -1.000e+00  
## pl\_nameKOI-351 c -1.000e+00  
## pl\_nameKOI-351 d -1.000e+00  
## pl\_nameKOI-351 e -1.000e+00  
## pl\_nameKOI-351 f -1.000e+00  
## pl\_nameKOI-3680 b -1.000e+00  
## pl\_nameKOI-7368 b -1.000e+00  
## pl\_nameKOI-7913 b -1.000e+00  
## pl\_nameKOI-94 b -1.000e+00  
## pl\_nameKOI-94 c -1.000e+00  
## pl\_nameKOI-94 d -1.000e+00  
## pl\_nameKOI-94 e -1.000e+00  
## pl\_nameKPS-1 b -1.000e+00  
## pl\_nameL 168-9 b -1.000e+00  
## pl\_nameL 98-59 b -1.000e+00  
## pl\_nameL 98-59 c -1.000e+00  
## pl\_nameL 98-59 d -1.000e+00  
## pl\_nameL 98-59 e -1.000e+00  
## pl\_nameLHS 1140 b -1.000e+00  
## pl\_nameLHS 1140 c -1.000e+00  
## pl\_nameLHS 1678 b -1.000e+00  
## pl\_nameLHS 1678 c -1.000e+00  
## pl\_nameLHS 1815 b -1.000e+00  
## pl\_nameLP 714-47 b -1.000e+00  
## pl\_nameLP 791-18 b -1.000e+00  
## pl\_nameLP 791-18 c -1.000e+00  
## pl\_nameLP 791-18 d -1.000e+00  
## pl\_nameLSPM J2116+0234 b -1.000e+00  
## pl\_nameLTT 1445 A b -1.000e+00  
## pl\_nameLTT 1445 A c -1.000e+00  
## pl\_nameLTT 3780 b -1.000e+00  
## pl\_nameLTT 3780 c -1.000e+00  
## pl\_nameLTT 9779 b -1.000e+00  
## pl\_nameLupus-TR-3 b -1.000e+00  
## pl\_nameMASCARA-1 b -1.000e+00  
## pl\_nameMASCARA-4 b -1.000e+00  
## pl\_namemu Leo b 1.658e-13  
## pl\_nameNGC 2682 Sand 364 b -1.000e+00  
## pl\_nameNGTS-1 b -1.000e+00  
## pl\_nameNGTS-10 b -1.000e+00  
## pl\_nameNGTS-11 b -1.000e+00  
## pl\_nameNGTS-12 b -1.000e+00  
## pl\_nameNGTS-13 b -1.000e+00  
## pl\_nameNGTS-14 A b -1.000e+00  
## pl\_nameNGTS-15 b -1.000e+00  
## pl\_nameNGTS-16 b -1.000e+00  
## pl\_nameNGTS-17 b -1.000e+00  
## pl\_nameNGTS-18 b -1.000e+00  
## pl\_nameNGTS-2 b -1.000e+00  
## pl\_nameNGTS-20 b -1.000e+00  
## pl\_nameNGTS-21 b -1.000e+00  
## pl\_nameNGTS-23 b -1.000e+00  
## pl\_nameNGTS-24 b -1.000e+00  
## pl\_nameNGTS-25 b -1.000e+00  
## pl\_nameNGTS-4 b -1.000e+00  
## pl\_nameNGTS-5 b -1.000e+00  
## pl\_nameNGTS-6 b -1.000e+00  
## pl\_nameNGTS-8 b -1.000e+00  
## pl\_nameNGTS-9 b -1.000e+00  
## pl\_nameNSVS 14256825 b -1.000e+00  
## pl\_namenu Oct A b 1.706e-13  
## pl\_namenu Oph b -1.000e+00  
## pl\_namenu Oph c -1.000e+00  
## pl\_nameNY Vir b -1.000e+00  
## pl\_nameOGLE-TR-10 b -1.000e+00  
## pl\_nameOGLE-TR-111 b -1.000e+00  
## pl\_nameOGLE-TR-132 b -1.000e+00  
## pl\_nameOGLE-TR-182 b -1.000e+00  
## pl\_nameOGLE-TR-211 b -1.000e+00  
## pl\_nameome Ser b 1.823e-13  
## pl\_nameomi CrB b -1.000e+00  
## pl\_namePDS 70 b -1.000e+00  
## pl\_namepi Men c -1.000e+00  
## pl\_namePr0201 b -1.000e+00  
## pl\_namePr0211 b -1.000e+00  
## pl\_namePr0211 c -1.000e+00  
## pl\_nameProxima Cen b -1.000e+00  
## pl\_namepsi1 Dra B b -1.000e+00  
## pl\_namePZ Tel b -1.000e+00  
## pl\_nameQatar-1 b -1.000e+00  
## pl\_nameQatar-10 b -1.000e+00  
## pl\_nameQatar-2 b -1.000e+00  
## pl\_nameQatar-3 b -1.000e+00  
## pl\_nameQatar-4 b -1.000e+00  
## pl\_nameQatar-5 b -1.000e+00  
## pl\_nameQatar-6 b -1.000e+00  
## pl\_nameQatar-7 b -1.000e+00  
## pl\_nameQatar-8 b -1.000e+00  
## pl\_nameQatar-9 b -1.000e+00  
## pl\_namerho CrB b -1.000e+00  
## pl\_namerho CrB c -1.000e+00  
## pl\_namerho CrB d -1.000e+00  
## pl\_namerho CrB e -1.000e+00  
## pl\_nameRoss 128 b -1.000e+00  
## pl\_nameRoss 508 b -1.000e+00  
## pl\_nameRR Cae b -1.000e+00  
## pl\_nametau Boo b -1.000e+00  
## pl\_nametau Cet e -1.000e+00  
## pl\_nametau Cet f 1.711e-13  
## pl\_nametau Cet g -1.000e+00  
## pl\_nametau Cet h -1.000e+00  
## pl\_nametau Gem b 1.623e-13  
## pl\_nameTeegarden's Star b -1.000e+00  
## pl\_nameTeegarden's Star c -1.000e+00  
## pl\_nameTIC 172900988 b 1.570e-13  
## pl\_nameTIC 237913194 b -1.000e+00  
## pl\_nameTIC 257060897 b -1.000e+00  
## pl\_nameTIC 279401253 b -1.000e+00  
## pl\_nameTIC 279401253 c -1.000e+00  
## pl\_nameTOI-1052 b -1.000e+00  
## pl\_nameTOI-1052 c -1.000e+00  
## pl\_nameTOI-1062 b -1.000e+00  
## pl\_nameTOI-1062 c -1.000e+00  
## pl\_nameTOI-1064 b -1.000e+00  
## pl\_nameTOI-1064 c -1.000e+00  
## pl\_nameTOI-1075 b -1.000e+00  
## pl\_nameTOI-1107 b -1.000e+00  
## pl\_nameTOI-1130 b -1.000e+00  
## pl\_nameTOI-1130 c -1.000e+00  
## pl\_nameTOI-1201 b -1.000e+00  
## pl\_nameTOI-122 b -1.000e+00  
## pl\_nameTOI-1231 b -1.000e+00  
## pl\_nameTOI-1235 b -1.000e+00  
## pl\_nameTOI-125 b -1.000e+00  
## pl\_nameTOI-125 c -1.000e+00  
## pl\_nameTOI-125 d -1.000e+00  
## pl\_nameTOI-1259 A b -1.000e+00  
## pl\_nameTOI-1260 b -1.000e+00  
## pl\_nameTOI-1260 c -1.000e+00  
## pl\_nameTOI-1260 d -1.000e+00  
## pl\_nameTOI-1266 b -1.000e+00  
## pl\_nameTOI-1266 c -1.000e+00  
## pl\_nameTOI-1268 b -1.000e+00  
## pl\_nameTOI-1272 b -1.000e+00  
## pl\_nameTOI-1272 c -1.000e+00  
## pl\_nameTOI-1278 b -1.000e+00  
## pl\_nameTOI-1288 b -1.000e+00  
## pl\_nameTOI-1296 b -1.000e+00  
## pl\_nameTOI-1298 b -1.000e+00  
## pl\_nameTOI-132 b -1.000e+00  
## pl\_nameTOI-1333 b -1.000e+00  
## pl\_nameTOI-1338 b -1.000e+00  
## pl\_nameTOI-1338 c -1.000e+00  
## pl\_nameTOI-1416 b -1.000e+00  
## pl\_nameTOI-1422 b -1.000e+00  
## pl\_nameTOI-1431 b -1.000e+00  
## pl\_nameTOI-1452 b -1.000e+00  
## pl\_nameTOI-1470 b -1.000e+00  
## pl\_nameTOI-1470 c -1.000e+00  
## pl\_nameTOI-1478 b -1.000e+00  
## pl\_nameTOI-150.01 -1.000e+00  
## pl\_nameTOI-157 b -1.000e+00  
## pl\_nameTOI-1601 b -1.000e+00  
## pl\_nameTOI-163 b -1.000e+00  
## pl\_nameTOI-1634 b -1.000e+00  
## pl\_nameTOI-1670 b -1.000e+00  
## pl\_nameTOI-1670 c -1.000e+00  
## pl\_nameTOI-1685 b -1.000e+00  
## pl\_nameTOI-169 b -1.000e+00  
## pl\_nameTOI-1695 b -1.000e+00  
## pl\_nameTOI-1696 b -1.000e+00  
## pl\_nameTOI-1710 b -1.000e+00  
## pl\_nameTOI-172 b -1.000e+00  
## pl\_nameTOI-1728 b -1.000e+00  
## pl\_nameTOI-1759 b -1.000e+00  
## pl\_nameTOI-1807 b -1.000e+00  
## pl\_nameTOI-181 b -1.000e+00  
## pl\_nameTOI-1811 b -1.000e+00  
## pl\_nameTOI-1820 b -1.000e+00  
## pl\_nameTOI-1859 b -1.000e+00  
## pl\_nameTOI-1899 b -1.000e+00  
## pl\_nameTOI-1937 A b -1.000e+00  
## pl\_nameTOI-2000 b -1.000e+00  
## pl\_nameTOI-2000 c -1.000e+00  
## pl\_nameTOI-201 b -1.000e+00  
## pl\_nameTOI-2025 b -1.000e+00  
## pl\_nameTOI-2096 b -1.000e+00  
## pl\_nameTOI-2096 c -1.000e+00  
## pl\_nameTOI-2136 b -1.000e+00  
## pl\_nameTOI-2145 b -1.000e+00  
## pl\_nameTOI-2152 A b -1.000e+00  
## pl\_nameTOI-2154 b -1.000e+00  
## pl\_nameTOI-2158 b -1.000e+00  
## pl\_nameTOI-216.01 -1.000e+00  
## pl\_nameTOI-216.02 -1.000e+00  
## pl\_nameTOI-2180 b -1.000e+00  
## pl\_nameTOI-2193 A b -1.000e+00  
## pl\_nameTOI-2196 b -1.000e+00  
## pl\_nameTOI-220 b -1.000e+00  
## pl\_nameTOI-2202 b -1.000e+00  
## pl\_nameTOI-2202 c -1.000e+00  
## pl\_nameTOI-2207 b -1.000e+00  
## pl\_nameTOI-2236 b -1.000e+00  
## pl\_nameTOI-2257 b -1.000e+00  
## pl\_nameTOI-2338 b -1.000e+00  
## pl\_nameTOI-2364 b -1.000e+00  
## pl\_nameTOI-237 b -1.000e+00  
## pl\_nameTOI-2421 b -1.000e+00  
## pl\_nameTOI-2497 b -1.000e+00  
## pl\_nameTOI-2498 b -1.000e+00  
## pl\_nameTOI-2525 b -1.000e+00  
## pl\_nameTOI-2525 c -1.000e+00  
## pl\_nameTOI-2567 b -1.000e+00  
## pl\_nameTOI-257 b -1.000e+00  
## pl\_nameTOI-2570 b -1.000e+00  
## pl\_nameTOI-2583 A b -1.000e+00  
## pl\_nameTOI-2587 A b -1.000e+00  
## pl\_nameTOI-2589 b -1.000e+00  
## pl\_nameTOI-2641 b -1.000e+00  
## pl\_nameTOI-269 b -1.000e+00  
## pl\_nameTOI-270 b -1.000e+00  
## pl\_nameTOI-270 c -1.000e+00  
## pl\_nameTOI-270 d -1.000e+00  
## pl\_nameTOI-2796 b -1.000e+00  
## pl\_nameTOI-2803 A b -1.000e+00  
## pl\_nameTOI-2818 b -1.000e+00  
## pl\_nameTOI-2842 b -1.000e+00  
## pl\_nameTOI-3023 b -1.000e+00  
## pl\_nameTOI-3235 b -1.000e+00  
## pl\_nameTOI-332 b -1.000e+00  
## pl\_nameTOI-3331 A b -1.000e+00  
## pl\_nameTOI-3362 b -1.000e+00  
## pl\_nameTOI-3364 b -1.000e+00  
## pl\_nameTOI-3629 b -1.000e+00  
## pl\_nameTOI-3688 A b -1.000e+00  
## pl\_nameTOI-3693 b -1.000e+00  
## pl\_nameTOI-3714 b -1.000e+00  
## pl\_nameTOI-3757 b -1.000e+00  
## pl\_nameTOI-3785 b -1.000e+00  
## pl\_nameTOI-3807 b -1.000e+00  
## pl\_nameTOI-3819 b -1.000e+00  
## pl\_nameTOI-3884 b -1.000e+00  
## pl\_nameTOI-3912 b -1.000e+00  
## pl\_nameTOI-3976 A b -1.000e+00  
## pl\_nameTOI-3984 A b -1.000e+00  
## pl\_nameTOI-4010 b -1.000e+00  
## pl\_nameTOI-4010 c -1.000e+00  
## pl\_nameTOI-4010 d -1.000e+00  
## pl\_nameTOI-4010 e -1.000e+00  
## pl\_nameTOI-4087 b -1.000e+00  
## pl\_nameTOI-411 b -1.000e+00  
## pl\_nameTOI-411 c -1.000e+00  
## pl\_nameTOI-4127 b -1.000e+00  
## pl\_nameTOI-4137 b -1.000e+00  
## pl\_nameTOI-4145 A b -1.000e+00  
## pl\_nameTOI-421 b -1.000e+00  
## pl\_nameTOI-421 c -1.000e+00  
## pl\_nameTOI-431 b -1.000e+00  
## pl\_nameTOI-431 c -1.000e+00  
## pl\_nameTOI-431 d -1.000e+00  
## pl\_nameTOI-4406 b -1.000e+00  
## pl\_nameTOI-4463 A b -1.000e+00  
## pl\_nameTOI-451 b -1.000e+00  
## pl\_nameTOI-451 c -1.000e+00  
## pl\_nameTOI-451 d -1.000e+00  
## pl\_nameTOI-4562 b -1.000e+00  
## pl\_nameTOI-4603 b -1.000e+00  
## pl\_nameTOI-4791 b -1.000e+00  
## pl\_nameTOI-481 b -1.000e+00  
## pl\_nameTOI-4860 b -1.000e+00  
## pl\_nameTOI-500 b -1.000e+00  
## pl\_nameTOI-5153 b -1.000e+00  
## pl\_nameTOI-519 b -1.000e+00  
## pl\_nameTOI-5205 b -1.000e+00  
## pl\_nameTOI-5293 A b -1.000e+00  
## pl\_nameTOI-530 b -1.000e+00  
## pl\_nameTOI-532 b -1.000e+00  
## pl\_nameTOI-540 b -1.000e+00  
## pl\_nameTOI-5542 b -1.000e+00  
## pl\_nameTOI-558 b -1.000e+00  
## pl\_nameTOI-559 b -1.000e+00  
## pl\_nameTOI-561 b -1.000e+00  
## pl\_nameTOI-561 c -1.000e+00  
## pl\_nameTOI-561 d -1.000e+00  
## pl\_nameTOI-561 e -1.000e+00  
## pl\_nameTOI-564 b -1.000e+00  
## pl\_nameTOI-5678 b -1.000e+00  
## pl\_nameTOI-615 b -1.000e+00  
## pl\_nameTOI-620 b -1.000e+00  
## pl\_nameTOI-622 b -1.000e+00  
## pl\_nameTOI-628 b -1.000e+00  
## pl\_nameTOI-640 b -1.000e+00  
## pl\_nameTOI-674 b -1.000e+00  
## pl\_nameTOI-677 b -1.000e+00  
## pl\_nameTOI-700 b -1.000e+00  
## pl\_nameTOI-700 c -1.000e+00  
## pl\_nameTOI-700 d -1.000e+00  
## pl\_nameTOI-700 e -1.000e+00  
## pl\_nameTOI-712 b -1.000e+00  
## pl\_nameTOI-712 c -1.000e+00  
## pl\_nameTOI-712 d -1.000e+00  
## pl\_nameTOI-733 b -1.000e+00  
## pl\_nameTOI-763 b -1.000e+00  
## pl\_nameTOI-763 c -1.000e+00  
## pl\_nameTOI-776 b -1.000e+00  
## pl\_nameTOI-776 c -1.000e+00  
## pl\_nameTOI-778 b -1.000e+00  
## pl\_nameTOI-784 b -1.000e+00  
## pl\_nameTOI-813 b -1.000e+00  
## pl\_nameTOI-836 b -1.000e+00  
## pl\_nameTOI-836 c -1.000e+00  
## pl\_nameTOI-849 b -1.000e+00  
## pl\_nameTOI-892 b -1.000e+00  
## pl\_nameTOI-905 b -1.000e+00  
## pl\_nameTOI-908 b -1.000e+00  
## pl\_nameTOI-954 b -1.000e+00  
## pl\_nameTOI-969 c -1.000e+00  
## pl\_nameTRAPPIST-1 b -1.000e+00  
## pl\_nameTRAPPIST-1 c -1.000e+00  
## pl\_nameTRAPPIST-1 d -1.000e+00  
## pl\_nameTRAPPIST-1 e -1.000e+00  
## pl\_nameTRAPPIST-1 f -1.000e+00  
## pl\_nameTRAPPIST-1 g -1.000e+00  
## pl\_nameTRAPPIST-1 h -1.000e+00  
## pl\_nameTrES-1 b -1.000e+00  
## pl\_nameTrES-2 b -1.000e+00  
## pl\_nameTrES-3 b -1.000e+00  
## pl\_nameTrES-4 b -1.000e+00  
## pl\_nameTrES-5 b -1.000e+00  
## pl\_nameTYC 0434-04538-1 b -1.000e+00  
## pl\_nameTYC 1422-614-1 b -1.000e+00  
## pl\_nameTYC 1422-614-1 c 1.834e-13  
## pl\_nameTYC 2187-512-1 b 1.457e-13  
## pl\_nameTYC 3318-01333-1 b 1.734e-13  
## pl\_nameTYC 3667-1280-1 b -1.000e+00  
## pl\_nameTYC 4282-00605-1 b -1.000e+00  
## pl\_nameups And b -1.000e+00  
## pl\_nameups And c -1.000e+00  
## pl\_nameups And d -1.000e+00  
## pl\_nameups Leo b 1.793e-13  
## pl\_nameV0391 Peg b -1.000e+00  
## pl\_nameV1298 Tau b -1.000e+00  
## pl\_nameV1298 Tau c -1.000e+00  
## pl\_nameV1298 Tau d -1.000e+00  
## pl\_nameV1298 Tau e -1.000e+00  
## pl\_nameWASP-1 b -1.000e+00  
## pl\_nameWASP-10 b -1.000e+00  
## pl\_nameWASP-100 b -1.000e+00  
## pl\_nameWASP-101 b -1.000e+00  
## pl\_nameWASP-103 b -1.000e+00  
## pl\_nameWASP-104 b -1.000e+00  
## pl\_nameWASP-105 b -1.000e+00  
## pl\_nameWASP-106 b -1.000e+00  
## pl\_nameWASP-107 b -1.000e+00  
## pl\_nameWASP-11 b -1.000e+00  
## pl\_nameWASP-113 b -1.000e+00  
## pl\_nameWASP-114 b -1.000e+00  
## pl\_nameWASP-117 b -1.000e+00  
## pl\_nameWASP-118 b -1.000e+00  
## pl\_nameWASP-119 b -1.000e+00  
## pl\_nameWASP-12 b -1.000e+00  
## pl\_nameWASP-120 b -1.000e+00  
## pl\_nameWASP-121 b -1.000e+00  
## pl\_nameWASP-123 b -1.000e+00  
## pl\_nameWASP-124 b -1.000e+00  
## pl\_nameWASP-126 b -1.000e+00  
## pl\_nameWASP-127 b -1.000e+00  
## pl\_nameWASP-129 b -1.000e+00  
## pl\_nameWASP-13 b -1.000e+00  
## pl\_nameWASP-130 b -1.000e+00  
## pl\_nameWASP-131 b -1.000e+00  
## pl\_nameWASP-132 b -1.000e+00  
## pl\_nameWASP-133 b -1.000e+00  
## pl\_nameWASP-135 b -1.000e+00  
## pl\_nameWASP-139 b -1.000e+00  
## pl\_nameWASP-14 b -1.000e+00  
## pl\_nameWASP-140 b -1.000e+00  
## pl\_nameWASP-141 b -1.000e+00  
## pl\_nameWASP-142 b -1.000e+00  
## pl\_nameWASP-144 b -1.000e+00  
## pl\_nameWASP-145 A b -1.000e+00  
## pl\_nameWASP-147 b -1.000e+00  
## pl\_nameWASP-148 b -1.000e+00  
## pl\_nameWASP-148 c -1.000e+00  
## pl\_nameWASP-15 b -1.000e+00  
## pl\_nameWASP-150 b -1.000e+00  
## pl\_nameWASP-151 b -1.000e+00  
## pl\_nameWASP-153 b -1.000e+00  
## pl\_nameWASP-156 b -1.000e+00  
## pl\_nameWASP-157 b -1.000e+00  
## pl\_nameWASP-158 b -1.000e+00  
## pl\_nameWASP-159 b -1.000e+00  
## pl\_nameWASP-16 b -1.000e+00  
## pl\_nameWASP-160 B b -1.000e+00  
## pl\_nameWASP-162 b -1.000e+00  
## pl\_nameWASP-164 b -1.000e+00  
## pl\_nameWASP-165 b -1.000e+00  
## pl\_nameWASP-166 b -1.000e+00  
## pl\_nameWASP-168 b -1.000e+00  
## pl\_nameWASP-169 b -1.000e+00  
## pl\_nameWASP-17 b -1.000e+00  
## pl\_nameWASP-171 b -1.000e+00  
## pl\_nameWASP-172 b -1.000e+00  
## pl\_nameWASP-173 A b -1.000e+00  
## pl\_nameWASP-174 b -1.000e+00  
## pl\_nameWASP-175 b -1.000e+00  
## pl\_nameWASP-176 b -1.000e+00  
## pl\_nameWASP-178 b -1.000e+00  
## pl\_nameWASP-18 b -1.000e+00  
## pl\_nameWASP-18 c -1.000e+00  
## pl\_nameWASP-180 A b -1.000e+00  
## pl\_nameWASP-182 b -1.000e+00  
## pl\_nameWASP-184 b -1.000e+00  
## pl\_nameWASP-185 b -1.000e+00  
## pl\_nameWASP-186 b -1.000e+00  
## pl\_nameWASP-187 b -1.000e+00  
## pl\_nameWASP-189 b -1.000e+00  
## pl\_nameWASP-19 b -1.000e+00  
## pl\_nameWASP-190 b -1.000e+00  
## pl\_nameWASP-192 b -1.000e+00  
## pl\_nameWASP-193 b -1.000e+00  
## pl\_nameWASP-2 b -1.000e+00  
## pl\_nameWASP-20 b -1.000e+00  
## pl\_nameWASP-21 b -1.000e+00  
## pl\_nameWASP-22 b -1.000e+00  
## pl\_nameWASP-23 b -1.000e+00  
## pl\_nameWASP-24 b -1.000e+00  
## pl\_nameWASP-25 b -1.000e+00  
## pl\_nameWASP-26 b -1.000e+00  
## pl\_nameWASP-28 b -1.000e+00  
## pl\_nameWASP-29 b -1.000e+00  
## pl\_nameWASP-3 b -1.000e+00  
## pl\_nameWASP-31 b -1.000e+00  
## pl\_nameWASP-32 b -1.000e+00  
## pl\_nameWASP-33 b -1.000e+00  
## pl\_nameWASP-34 b -1.000e+00  
## pl\_nameWASP-35 b -1.000e+00  
## pl\_nameWASP-36 b -1.000e+00  
## pl\_nameWASP-37 b -1.000e+00  
## pl\_nameWASP-38 b -1.000e+00  
## pl\_nameWASP-39 b -1.000e+00  
## pl\_nameWASP-4 b -1.000e+00  
## pl\_nameWASP-41 b -1.000e+00  
## pl\_nameWASP-41 c 1.612e-13  
## pl\_nameWASP-42 b -1.000e+00  
## pl\_nameWASP-43 b -1.000e+00  
## pl\_nameWASP-44 b -1.000e+00  
## pl\_nameWASP-45 b -1.000e+00  
## pl\_nameWASP-46 b -1.000e+00  
## pl\_nameWASP-47 b -1.000e+00  
## pl\_nameWASP-47 c 1.689e-13  
## pl\_nameWASP-47 d -1.000e+00  
## pl\_nameWASP-47 e -1.000e+00  
## pl\_nameWASP-48 b -1.000e+00  
## pl\_nameWASP-49 b -1.000e+00  
## pl\_nameWASP-5 b -1.000e+00  
## pl\_nameWASP-50 b -1.000e+00  
## pl\_nameWASP-52 b -1.000e+00  
## pl\_nameWASP-53 b -1.000e+00  
## pl\_nameWASP-54 b -1.000e+00  
## pl\_nameWASP-55 b -1.000e+00  
## pl\_nameWASP-56 b -1.000e+00  
## pl\_nameWASP-57 b -1.000e+00  
## pl\_nameWASP-58 b -1.000e+00  
## pl\_nameWASP-59 b -1.000e+00  
## pl\_nameWASP-6 b -1.000e+00  
## pl\_nameWASP-60 b -1.000e+00  
## pl\_nameWASP-61 b -1.000e+00  
## pl\_nameWASP-62 b -1.000e+00  
## pl\_nameWASP-63 b -1.000e+00  
## pl\_nameWASP-64 b -1.000e+00  
## pl\_nameWASP-65 b -1.000e+00  
## pl\_nameWASP-66 b -1.000e+00  
## pl\_nameWASP-67 b -1.000e+00  
## pl\_nameWASP-68 b -1.000e+00  
## pl\_nameWASP-69 b -1.000e+00  
## pl\_nameWASP-7 b -1.000e+00  
## pl\_nameWASP-70 A b -1.000e+00  
## pl\_nameWASP-71 b -1.000e+00  
## pl\_nameWASP-72 b -1.000e+00  
## pl\_nameWASP-73 b -1.000e+00  
## pl\_nameWASP-74 b -1.000e+00  
## pl\_nameWASP-75 b -1.000e+00  
## pl\_nameWASP-76 b -1.000e+00  
## pl\_nameWASP-77 A b -1.000e+00  
## pl\_nameWASP-78 b -1.000e+00  
## pl\_nameWASP-79 b -1.000e+00  
## pl\_nameWASP-8 b -1.000e+00  
## pl\_nameWASP-8 c -1.000e+00  
## pl\_nameWASP-80 b -1.000e+00  
## pl\_nameWASP-81 b -1.000e+00  
## pl\_nameWASP-82 b -1.000e+00  
## pl\_nameWASP-83 b -1.000e+00  
## pl\_nameWASP-84 b -1.000e+00  
## pl\_nameWASP-85 A b -1.000e+00  
## pl\_nameWASP-87 b -1.000e+00  
## pl\_nameWASP-88 b -1.000e+00  
## pl\_nameWASP-89 b -1.000e+00  
## pl\_nameWASP-90 b -1.000e+00  
## pl\_nameWASP-91 b -1.000e+00  
## pl\_nameWASP-92 b -1.000e+00  
## pl\_nameWASP-93 b -1.000e+00  
## pl\_nameWASP-94 A b -1.000e+00  
## pl\_nameWASP-94 B b -1.000e+00  
## pl\_nameWASP-95 b -1.000e+00  
## pl\_nameWASP-96 b -1.000e+00  
## pl\_nameWASP-97 b -1.000e+00  
## pl\_nameWASP-98 b -1.000e+00  
## pl\_nameWASP-99 b -1.000e+00  
## pl\_nameWD 1856+534 b -1.000e+00  
## pl\_nameWendelstein-1 b -1.000e+00  
## pl\_nameWendelstein-2 b -1.000e+00  
## pl\_nameWolf 1061 b -1.000e+00  
## pl\_nameWolf 1061 c -1.000e+00  
## pl\_nameWolf 1061 d -1.000e+00  
## pl\_nameWolf 503 b -1.000e+00  
## pl\_nameWTS-1 b -1.000e+00  
## pl\_nameWTS-2 b -1.000e+00  
## pl\_namexi Aql b -1.000e+00  
## pl\_nameXO-1 b -1.000e+00  
## pl\_nameXO-2 N b -1.000e+00  
## pl\_nameXO-2 S b -1.000e+00  
## pl\_nameXO-2 S c -1.000e+00  
## pl\_nameXO-3 b -1.000e+00  
## pl\_nameXO-4 b -1.000e+00  
## pl\_nameXO-5 b -1.000e+00  
## pl\_nameXO-6 b -1.000e+00  
## pl\_nameXO-7 b -1.000e+00  
## pl\_nameYZ Cet b -1.000e+00  
## pl\_nameYZ Cet c -1.000e+00  
## pl\_nameYZ Cet d -1.000e+00  
## hostname11 UMi NA  
## hostname14 And NA  
## hostname14 Her NA  
## hostname16 Cyg B NA  
## hostname17 Sco NA  
## hostname18 Del NA  
## hostname24 Boo NA  
## hostname24 Sex NA  
## hostname2MASS J19383260+4603591 NA  
## hostname30 Ari B NA  
## hostname4 UMa NA  
## hostname42 Dra NA  
## hostname47 UMa NA  
## hostname51 Eri NA  
## hostname51 Peg NA  
## hostname55 Cnc NA  
## hostname6 Lyn NA  
## hostname61 Vir NA  
## hostname7 CMa NA  
## hostname70 Vir NA  
## hostname75 Cet NA  
## hostname8 UMi NA  
## hostname81 Cet NA  
## hostname91 Aqr NA  
## hostnameAF Lep NA  
## hostnameAU Mic NA  
## hostnameBD-00 4475 NA  
## hostnameBD-06 1339 NA  
## hostnameBD-08 2823 NA  
## hostnameBD-10 3166 NA  
## hostnameBD-11 4672 NA  
## hostnameBD-13 2130 NA  
## hostnameBD-17 63 NA  
## hostnameBD-210397 NA  
## hostnameBD+03 2562 NA  
## hostnameBD+14 4559 NA  
## hostnameBD+15 2375 NA  
## hostnameBD+15 2940 NA  
## hostnameBD+20 2457 NA  
## hostnameBD+20 274 NA  
## hostnameBD+20 594 NA  
## hostnameBD+45 564 NA  
## hostnameBD+48 738 NA  
## hostnameBD+48 740 NA  
## hostnameBD+49 828 NA  
## hostnameBD+55 362 NA  
## hostnameBD+63 1405 NA  
## hostnamebet Cnc NA  
## hostnamebet Pic NA  
## hostnameCoRoT-1 NA  
## hostnameCoRoT-10 NA  
## hostnameCoRoT-11 NA  
## hostnameCoRoT-12 NA  
## hostnameCoRoT-13 NA  
## hostnameCoRoT-14 NA  
## hostnameCoRoT-16 NA  
## hostnameCoRoT-17 NA  
## hostnameCoRoT-18 NA  
## hostnameCoRoT-19 NA  
## hostnameCoRoT-2 NA  
## hostnameCoRoT-20 NA  
## hostnameCoRoT-21 NA  
## hostnameCoRoT-22 NA  
## hostnameCoRoT-23 NA  
## hostnameCoRoT-24 NA  
## hostnameCoRoT-25 NA  
## hostnameCoRoT-26 NA  
## hostnameCoRoT-27 NA  
## hostnameCoRoT-28 NA  
## hostnameCoRoT-29 NA  
## hostnameCoRoT-3 NA  
## hostnameCoRoT-30 NA  
## hostnameCoRoT-31 NA  
## hostnameCoRoT-35 NA  
## hostnameCoRoT-36 NA  
## hostnameCoRoT-4 NA  
## hostnameCoRoT-5 NA  
## hostnameCoRoT-6 NA  
## hostnameCoRoT-7 NA  
## hostnameCoRoT-8 NA  
## hostnameCoRoT-9 NA  
## hostnameDE CVn NA  
## hostnameDMPP-1 NA  
## hostnameDMPP-2 NA  
## hostnameDMPP-4 NA  
## hostnameEPIC 201170410 NA  
## hostnameEPIC 211822797 NA  
## hostnameEPIC 211945201 NA  
## hostnameEPIC 212737443 NA  
## hostnameEPIC 220674823 NA  
## hostnameEPIC 229004835 NA  
## hostnameEPIC 249893012 NA  
## hostnameeps CrB NA  
## hostnameeps Eri NA  
## hostnameeps Ind A NA  
## hostnameeps Tau NA  
## hostnamegam Cep NA  
## hostnamegam Lib NA  
## hostnamegam Psc NA  
## hostnameGJ 1061 NA  
## hostnameGJ 1132 NA  
## hostnameGJ 1148 NA  
## hostnameGJ 1214 NA  
## hostnameGJ 1252 NA  
## hostnameGJ 1265 NA  
## hostnameGJ 143 NA  
## hostnameGJ 15 A NA  
## hostnameGJ 160.2 NA  
## hostnameGJ 163 NA  
## hostnameGJ 179 NA  
## hostnameGJ 180 NA  
## hostnameGJ 2030 NA  
## hostnameGJ 2056 NA  
## hostnameGJ 229 NA  
## hostnameGJ 251 NA  
## hostnameGJ 27.1 NA  
## hostnameGJ 3021 NA  
## hostnameGJ 3082 NA  
## hostnameGJ 3090 NA  
## hostnameGJ 3138 NA  
## hostnameGJ 317 NA  
## hostnameGJ 328 NA  
## hostnameGJ 3293 NA  
## hostnameGJ 3341 NA  
## hostnameGJ 338 B NA  
## hostnameGJ 3470 NA  
## hostnameGJ 3473 NA  
## hostnameGJ 3512 NA  
## hostnameGJ 3634 NA  
## hostnameGJ 367 NA  
## hostnameGJ 3779 NA  
## hostnameGJ 3929 NA  
## hostnameGJ 3942 NA  
## hostnameGJ 3998 NA  
## hostnameGJ 414 A NA  
## hostnameGJ 422 NA  
## hostnameGJ 4276 NA  
## hostnameGJ 433 NA  
## hostnameGJ 436 NA  
## hostnameGJ 463 NA  
## hostnameGJ 480 NA  
## hostnameGJ 486 NA  
## hostnameGJ 514 NA  
## hostnameGJ 536 NA  
## hostnameGJ 581 NA  
## hostnameGJ 625 NA  
## hostnameGJ 649 NA  
## hostnameGJ 667 C NA  
## hostnameGJ 674 NA  
## hostnameGJ 676 A NA  
## hostnameGJ 680 NA  
## hostnameGJ 682 NA  
## hostnameGJ 685 NA  
## hostnameGJ 687 NA  
## hostnameGJ 720 A NA  
## hostnameGJ 740 NA  
## hostnameGJ 832 NA  
## hostnameGJ 849 NA  
## hostnameGJ 86 NA  
## hostnameGJ 876 NA  
## hostnameGJ 887 NA  
## hostnameGJ 896 A NA  
## hostnameGJ 9066 NA  
## hostnameGJ 9404 NA  
## hostnameGJ 96 NA  
## hostnameGJ 9689 NA  
## hostnameGJ 9714 NA  
## hostnameGJ 9827 NA  
## hostnameGl 378 NA  
## hostnameGl 49 NA  
## hostnameGl 686 NA  
## hostnameGPX-1 NA  
## hostnameHAT-P-1 NA  
## hostnameHAT-P-11 NA  
## hostnameHAT-P-12 NA  
## hostnameHAT-P-13 NA  
## hostnameHAT-P-14 NA  
## hostnameHAT-P-15 NA  
## hostnameHAT-P-16 NA  
## hostnameHAT-P-17 NA  
## hostnameHAT-P-18 NA  
## hostnameHAT-P-19 NA  
## hostnameHAT-P-2 NA  
## hostnameHAT-P-20 NA  
## hostnameHAT-P-21 NA  
## hostnameHAT-P-22 NA  
## hostnameHAT-P-23 NA  
## hostnameHAT-P-24 NA  
## hostnameHAT-P-25 NA  
## hostnameHAT-P-26 NA  
## hostnameHAT-P-27 NA  
## hostnameHAT-P-28 NA  
## hostnameHAT-P-29 NA  
## hostnameHAT-P-3 NA  
## hostnameHAT-P-30 NA  
## hostnameHAT-P-31 NA  
## hostnameHAT-P-32 NA  
## hostnameHAT-P-33 NA  
## hostnameHAT-P-34 NA  
## hostnameHAT-P-35 NA  
## hostnameHAT-P-36 NA  
## hostnameHAT-P-37 NA  
## hostnameHAT-P-38 NA  
## hostnameHAT-P-39 NA  
## hostnameHAT-P-4 NA  
## hostnameHAT-P-40 NA  
## hostnameHAT-P-41 NA  
## hostnameHAT-P-42 NA  
## hostnameHAT-P-43 NA  
## hostnameHAT-P-44 NA  
## hostnameHAT-P-45 NA  
## hostnameHAT-P-46 NA  
## hostnameHAT-P-49 NA  
## hostnameHAT-P-5 NA  
## hostnameHAT-P-50 NA  
## hostnameHAT-P-51 NA  
## hostnameHAT-P-52 NA  
## hostnameHAT-P-53 NA  
## hostnameHAT-P-54 NA  
## hostnameHAT-P-55 NA  
## hostnameHAT-P-56 NA  
## hostnameHAT-P-57 NA  
## hostnameHAT-P-58 NA  
## hostnameHAT-P-59 NA  
## hostnameHAT-P-6 NA  
## hostnameHAT-P-60 NA  
## hostnameHAT-P-61 NA  
## hostnameHAT-P-62 NA  
## hostnameHAT-P-64 NA  
## hostnameHAT-P-65 NA  
## hostnameHAT-P-66 NA  
## hostnameHAT-P-67 NA  
## hostnameHAT-P-68 NA  
## hostnameHAT-P-69 NA  
## hostnameHAT-P-7 NA  
## hostnameHAT-P-70 NA  
## hostnameHAT-P-8 NA  
## hostnameHAT-P-9 NA  
## hostnameHATS-1 NA  
## hostnameHATS-10 NA  
## hostnameHATS-11 NA  
## hostnameHATS-12 NA  
## hostnameHATS-13 NA  
## hostnameHATS-14 NA  
## hostnameHATS-15 NA  
## hostnameHATS-16 NA  
## hostnameHATS-17 NA  
## hostnameHATS-18 NA  
## hostnameHATS-2 NA  
## hostnameHATS-22 NA  
## hostnameHATS-23 NA  
## hostnameHATS-24 NA  
## hostnameHATS-25 NA  
## hostnameHATS-26 NA  
## hostnameHATS-27 NA  
## hostnameHATS-28 NA  
## hostnameHATS-29 NA  
## hostnameHATS-3 NA  
## hostnameHATS-30 NA  
## hostnameHATS-31 NA  
## hostnameHATS-32 NA  
## hostnameHATS-33 NA  
## hostnameHATS-34 NA  
## hostnameHATS-35 NA  
## hostnameHATS-36 NA  
## hostnameHATS-37 A NA  
## hostnameHATS-38 NA  
## hostnameHATS-39 NA  
## hostnameHATS-4 NA  
## hostnameHATS-40 NA  
## hostnameHATS-41 NA  
## hostnameHATS-42 NA  
## hostnameHATS-43 NA  
## hostnameHATS-44 NA  
## hostnameHATS-45 NA  
## hostnameHATS-46 NA  
## hostnameHATS-47 NA  
## hostnameHATS-48 A NA  
## hostnameHATS-49 NA  
## hostnameHATS-5 NA  
## hostnameHATS-50 NA  
## hostnameHATS-51 NA  
## hostnameHATS-52 NA  
## hostnameHATS-53 NA  
## hostnameHATS-54 NA  
## hostnameHATS-55 NA  
## hostnameHATS-56 NA  
## hostnameHATS-57 NA  
## hostnameHATS-58 A NA  
## hostnameHATS-59 NA  
## hostnameHATS-6 NA  
## hostnameHATS-60 NA  
## hostnameHATS-61 NA  
## hostnameHATS-62 NA  
## hostnameHATS-63 NA  
## hostnameHATS-64 NA  
## hostnameHATS-65 NA  
## hostnameHATS-66 NA  
## hostnameHATS-67 NA  
## hostnameHATS-68 NA  
## hostnameHATS-69 NA  
## hostnameHATS-7 NA  
## hostnameHATS-70 NA  
## hostnameHATS-71 NA  
## hostnameHATS-72 NA  
## hostnameHATS-74 A NA  
## hostnameHATS-75 NA  
## hostnameHATS-76 NA  
## hostnameHATS-77 NA  
## hostnameHATS-8 NA  
## hostnameHATS-9 NA  
## hostnameHD 100655 NA  
## hostnameHD 100777 NA  
## hostnameHD 10180 NA  
## hostnameHD 101930 NA  
## hostnameHD 102117 NA  
## hostnameHD 102195 NA  
## hostnameHD 102272 NA  
## hostnameHD 102329 NA  
## hostnameHD 102365 NA  
## hostnameHD 102843 NA  
## hostnameHD 102956 NA  
## hostnameHD 103197 NA  
## hostnameHD 103720 NA  
## hostnameHD 103774 NA  
## hostnameHD 103891 NA  
## hostnameHD 103949 NA  
## hostnameHD 104067 NA  
## hostnameHD 10442 NA  
## hostnameHD 104985 NA  
## hostnameHD 105618 NA  
## hostnameHD 105779 NA  
## hostnameHD 106252 NA  
## hostnameHD 106270 NA  
## hostnameHD 106315 NA  
## hostnameHD 10647 NA  
## hostnameHD 106515 A NA  
## hostnameHD 10697 NA  
## hostnameHD 107148 NA  
## hostnameHD 108147 NA  
## hostnameHD 108202 NA  
## hostnameHD 108236 NA  
## hostnameHD 108341 NA  
## hostnameHD 108863 NA  
## hostnameHD 108874 NA  
## hostnameHD 109246 NA  
## hostnameHD 109271 NA  
## hostnameHD 109286 NA  
## hostnameHD 109749 NA  
## hostnameHD 10975 NA  
## hostnameHD 109988 NA  
## hostnameHD 110014 NA  
## hostnameHD 110082 NA  
## hostnameHD 110113 NA  
## hostnameHD 110537 NA  
## hostnameHD 11112 NA  
## hostnameHD 111232 NA  
## hostnameHD 111998 NA  
## hostnameHD 112300 NA  
## hostnameHD 112640 NA  
## hostnameHD 113337 NA  
## hostnameHD 113538 NA  
## hostnameHD 113996 NA  
## hostnameHD 114082 NA  
## hostnameHD 114386 NA  
## hostnameHD 114613 NA  
## hostnameHD 114729 NA  
## hostnameHD 114783 NA  
## hostnameHD 11505 NA  
## hostnameHD 11506 NA  
## hostnameHD 115404 A NA  
## hostnameHD 115954 NA  
## hostnameHD 116029 NA  
## hostnameHD 117207 NA  
## hostnameHD 11755 NA  
## hostnameHD 117618 NA  
## hostnameHD 118203 NA  
## hostnameHD 11964 NA  
## hostnameHD 11977 NA  
## hostnameHD 120084 NA  
## hostnameHD 121504 NA  
## hostnameHD 12235 NA  
## hostnameHD 124330 NA  
## hostnameHD 12484 NA  
## hostnameHD 125271 NA  
## hostnameHD 125390 NA  
## hostnameHD 125595 NA  
## hostnameHD 125612 NA  
## hostnameHD 12648 NA  
## hostnameHD 126525 NA  
## hostnameHD 12661 NA  
## hostnameHD 126614 NA  
## hostnameHD 127506 NA  
## hostnameHD 128311 NA  
## hostnameHD 128356 NA  
## hostnameHD 129445 NA  
## hostnameHD 130322 NA  
## hostnameHD 131496 NA  
## hostnameHD 13167 NA  
## hostnameHD 13189 NA  
## hostnameHD 132406 NA  
## hostnameHD 132563 NA  
## hostnameHD 133131 A NA  
## hostnameHD 133131 B NA  
## hostnameHD 134060 NA  
## hostnameHD 134987 NA  
## hostnameHD 135625 NA  
## hostnameHD 136118 NA  
## hostnameHD 136352 NA  
## hostnameHD 136925 NA  
## hostnameHD 13724 NA  
## hostnameHD 137388 NA  
## hostnameHD 137496 NA  
## hostnameHD 13808 NA  
## hostnameHD 13908 NA  
## hostnameHD 13931 NA  
## hostnameHD 139357 NA  
## hostnameHD 1397 NA  
## hostnameHD 14067 NA  
## hostnameHD 140901 NA  
## hostnameHD 141004 NA  
## hostnameHD 141399 NA  
## hostnameHD 141937 NA  
## hostnameHD 142 NA  
## hostnameHD 142022 A NA  
## hostnameHD 142245 NA  
## hostnameHD 142415 NA  
## hostnameHD 143105 NA  
## hostnameHD 143361 NA  
## hostnameHD 144899 NA  
## hostnameHD 145377 NA  
## hostnameHD 145457 NA  
## hostnameHD 145934 NA  
## hostnameHD 1461 NA  
## hostnameHD 147018 NA  
## hostnameHD 147379 NA  
## hostnameHD 147513 NA  
## hostnameHD 14787 NA  
## hostnameHD 147873 NA  
## hostnameHD 148156 NA  
## hostnameHD 148164 NA  
## hostnameHD 148427 NA  
## hostnameHD 149026 NA  
## hostnameHD 149143 NA  
## hostnameHD 149806 NA  
## hostnameHD 150010 NA  
## hostnameHD 1502 NA  
## hostnameHD 150706 NA  
## hostnameHD 151450 NA  
## hostnameHD 152079 NA  
## hostnameHD 152581 NA  
## hostnameHD 152843 NA  
## hostnameHD 15337 NA  
## hostnameHD 153557 NA  
## hostnameHD 153950 NA  
## hostnameHD 154088 NA  
## hostnameHD 154345 NA  
## hostnameHD 154672 NA  
## hostnameHD 154857 NA  
## hostnameHD 155193 NA  
## hostnameHD 155358 NA  
## hostnameHD 155918 NA  
## hostnameHD 156098 NA  
## hostnameHD 156279 NA  
## hostnameHD 156411 NA  
## hostnameHD 156668 NA  
## hostnameHD 156846 NA  
## hostnameHD 158038 NA  
## hostnameHD 158996 NA  
## hostnameHD 15906 NA  
## hostnameHD 159243 NA  
## hostnameHD 159868 NA  
## hostnameHD 1605 NA  
## hostnameHD 160691 NA  
## hostnameHD 161178 NA  
## hostnameHD 16141 NA  
## hostnameHD 16175 NA  
## hostnameHD 162020 NA  
## hostnameHD 163607 NA  
## hostnameHD 16417 NA  
## hostnameHD 164509 NA  
## hostnameHD 164595 NA  
## hostnameHD 164604 NA  
## hostnameHD 164922 NA  
## hostnameHD 165131 NA  
## hostnameHD 165155 NA  
## hostnameHD 1666 NA  
## hostnameHD 166724 NA  
## hostnameHD 167042 NA  
## hostnameHD 167677 NA  
## hostnameHD 167768 NA  
## hostnameHD 168009 NA  
## hostnameHD 168443 NA  
## hostnameHD 168746 NA  
## hostnameHD 168863 NA  
## hostnameHD 1690 NA  
## hostnameHD 16905 NA  
## hostnameHD 169830 NA  
## hostnameHD 170469 NA  
## hostnameHD 17092 NA  
## hostnameHD 171028 NA  
## hostnameHD 171238 NA  
## hostnameHD 17156 NA  
## hostnameHD 173416 NA  
## hostnameHD 174205 NA  
## hostnameHD 175167 NA  
## hostnameHD 175541 NA  
## hostnameHD 17674 NA  
## hostnameHD 176986 NA  
## hostnameHD 177565 NA  
## hostnameHD 177830 NA  
## hostnameHD 178911 B NA  
## hostnameHD 179079 NA  
## hostnameHD 179949 NA  
## hostnameHD 180053 NA  
## hostnameHD 18015 NA  
## hostnameHD 180314 NA  
## hostnameHD 180617 NA  
## hostnameHD 180902 NA  
## hostnameHD 181234 NA  
## hostnameHD 181342 NA  
## hostnameHD 18143 NA  
## hostnameHD 181433 NA  
## hostnameHD 181720 NA  
## hostnameHD 183263 NA  
## hostnameHD 183579 NA  
## hostnameHD 184010 NA  
## hostnameHD 18438 NA  
## hostnameHD 185269 NA  
## hostnameHD 185283 NA  
## hostnameHD 18599 NA  
## hostnameHD 187085 NA  
## hostnameHD 187123 NA  
## hostnameHD 18742 NA  
## hostnameHD 188015 NA  
## hostnameHD 188641 NA  
## hostnameHD 189567 NA  
## hostnameHD 189733 NA  
## hostnameHD 190007 NA  
## hostnameHD 190228 NA  
## hostnameHD 190360 NA  
## hostnameHD 190647 NA  
## hostnameHD 190984 NA  
## hostnameHD 191806 NA  
## hostnameHD 191939 NA  
## hostnameHD 192263 NA  
## hostnameHD 192310 NA  
## hostnameHD 192699 NA  
## hostnameHD 194490 NA  
## hostnameHD 195019 NA  
## hostnameHD 196050 NA  
## hostnameHD 196067 NA  
## hostnameHD 19615 NA  
## hostnameHD 196885 A NA  
## hostnameHD 197037 NA  
## hostnameHD 199509 NA  
## hostnameHD 19994 NA  
## hostnameHD 20003 NA  
## hostnameHD 200964 NA  
## hostnameHD 202206 NA  
## hostnameHD 202772 A NA  
## hostnameHD 20329 NA  
## hostnameHD 2039 NA  
## hostnameHD 204313 NA  
## hostnameHD 204941 NA  
## hostnameHD 205158 NA  
## hostnameHD 205739 NA  
## hostnameHD 206255 NA  
## hostnameHD 206610 NA  
## hostnameHD 206893 NA  
## hostnameHD 207496 NA  
## hostnameHD 20781 NA  
## hostnameHD 20782 NA  
## hostnameHD 207832 NA  
## hostnameHD 207897 NA  
## hostnameHD 20794 NA  
## hostnameHD 208487 NA  
## hostnameHD 208527 NA  
## hostnameHD 20868 NA  
## hostnameHD 208897 NA  
## hostnameHD 209458 NA  
## hostnameHD 210193 NA  
## hostnameHD 210277 NA  
## hostnameHD 210702 NA  
## hostnameHD 211403 NA  
## hostnameHD 211810 NA  
## hostnameHD 211970 NA  
## hostnameHD 212301 NA  
## hostnameHD 212771 NA  
## hostnameHD 213240 NA  
## hostnameHD 213472 NA  
## hostnameHD 213519 NA  
## hostnameHD 213885 NA  
## hostnameHD 21411 NA  
## hostnameHD 214823 NA  
## hostnameHD 215152 NA  
## hostnameHD 215497 NA  
## hostnameHD 216435 NA  
## hostnameHD 216437 NA  
## hostnameHD 216520 NA  
## hostnameHD 216536 NA  
## hostnameHD 216770 NA  
## hostnameHD 21693 NA  
## hostnameHD 217107 NA  
## hostnameHD 217786 NA  
## hostnameHD 217958 NA  
## hostnameHD 218566 NA  
## hostnameHD 219077 NA  
## hostnameHD 219134 NA  
## hostnameHD 219139 NA  
## hostnameHD 219415 NA  
## hostnameHD 219666 NA  
## hostnameHD 219828 NA  
## hostnameHD 220074 NA  
## hostnameHD 220197 NA  
## hostnameHD 220689 NA  
## hostnameHD 220773 NA  
## hostnameHD 220842 NA  
## hostnameHD 221287 NA  
## hostnameHD 221416 NA  
## hostnameHD 221420 NA  
## hostnameHD 221585 NA  
## hostnameHD 222076 NA  
## hostnameHD 222155 NA  
## hostnameHD 222582 NA  
## hostnameHD 224538 NA  
## hostnameHD 224693 NA  
## hostnameHD 22532 NA  
## hostnameHD 22781 NA  
## hostnameHD 22946 NA  
## hostnameHD 23079 NA  
## hostnameHD 23127 NA  
## hostnameHD 231701 NA  
## hostnameHD 233604 NA  
## hostnameHD 233832 NA  
## hostnameHD 23472 NA  
## hostnameHD 23596 NA  
## hostnameHD 238090 NA  
## hostnameHD 238914 NA  
## hostnameHD 240210 NA  
## hostnameHD 240237 NA  
## hostnameHD 24040 NA  
## hostnameHD 24064 NA  
## hostnameHD 24085 NA  
## hostnameHD 25015 NA  
## hostnameHD 25171 NA  
## hostnameHD 25723 NA  
## hostnameHD 25912 NA  
## hostnameHD 260655 NA  
## hostnameHD 26161 NA  
## hostnameHD 2638 NA  
## hostnameHD 2685 NA  
## hostnameHD 27442 NA  
## hostnameHD 27631 NA  
## hostnameHD 27894 NA  
## hostnameHD 27969 NA  
## hostnameHD 28109 NA  
## hostnameHD 28185 NA  
## hostnameHD 28192 NA  
## hostnameHD 28254 NA  
## hostnameHD 285507 NA  
## hostnameHD 285968 NA  
## hostnameHD 28678 NA  
## hostnameHD 29021 NA  
## hostnameHD 290327 NA  
## hostnameHD 29399 NA  
## hostnameHD 2952 NA  
## hostnameHD 29985 NA  
## hostnameHD 30177 NA  
## hostnameHD 30562 NA  
## hostnameHD 30669 NA  
## hostnameHD 307842 NA  
## hostnameHD 30856 NA  
## hostnameHD 31253 NA  
## hostnameHD 31527 NA  
## hostnameHD 3167 NA  
## hostnameHD 32518 NA  
## hostnameHD 32963 NA  
## hostnameHD 330075 NA  
## hostnameHD 331093 NA  
## hostnameHD 33142 NA  
## hostnameHD 332231 NA  
## hostnameHD 33283 NA  
## hostnameHD 33564 NA  
## hostnameHD 33844 NA  
## hostnameHD 34445 NA  
## hostnameHD 35759 NA  
## hostnameHD 360 NA  
## hostnameHD 36384 NA  
## hostnameHD 3651 NA  
## hostnameHD 37124 NA  
## hostnameHD 37605 NA  
## hostnameHD 3765 NA  
## hostnameHD 38283 NA  
## hostnameHD 38529 NA  
## hostnameHD 38801 NA  
## hostnameHD 39091 NA  
## hostnameHD 39194 NA  
## hostnameHD 39855 NA  
## hostnameHD 40307 NA  
## hostnameHD 40956 NA  
## hostnameHD 40979 NA  
## hostnameHD 4113 NA  
## hostnameHD 42012 NA  
## hostnameHD 4203 NA  
## hostnameHD 4208 NA  
## hostnameHD 42618 NA  
## hostnameHD 4308 NA  
## hostnameHD 4313 NA  
## hostnameHD 43197 NA  
## hostnameHD 43691 NA  
## hostnameHD 44219 NA  
## hostnameHD 45184 NA  
## hostnameHD 45350 NA  
## hostnameHD 45364 NA  
## hostnameHD 45652 NA  
## hostnameHD 457 NA  
## hostnameHD 46375 NA  
## hostnameHD 47186 NA  
## hostnameHD 4732 NA  
## hostnameHD 47366 NA  
## hostnameHD 47536 NA  
## hostnameHD 4760 NA  
## hostnameHD 48265 NA  
## hostnameHD 4917 NA  
## hostnameHD 49674 NA  
## hostnameHD 50499 NA  
## hostnameHD 50554 NA  
## hostnameHD 51608 NA  
## hostnameHD 52265 NA  
## hostnameHD 5278 NA  
## hostnameHD 5319 NA  
## hostnameHD 55696 NA  
## hostnameHD 5583 NA  
## hostnameHD 5608 NA  
## hostnameHD 564 NA  
## hostnameHD 56414 NA  
## hostnameHD 56957 NA  
## hostnameHD 5891 NA  
## hostnameHD 59686 A NA  
## hostnameHD 60292 NA  
## hostnameHD 60532 NA  
## hostnameHD 62364 NA  
## hostnameHD 62549 NA  
## hostnameHD 63433 NA  
## hostnameHD 63454 NA  
## hostnameHD 63765 NA  
## hostnameHD 64114 NA  
## hostnameHD 64121 NA  
## hostnameHD 6434 NA  
## hostnameHD 65216 NA  
## hostnameHD 66141 NA  
## hostnameHD 66428 NA  
## hostnameHD 67087 NA  
## hostnameHD 6718 NA  
## hostnameHD 68402 NA  
## hostnameHD 68988 NA  
## hostnameHD 69123 NA  
## hostnameHD 69830 NA  
## hostnameHD 70573 NA  
## hostnameHD 70642 NA  
## hostnameHD 7199 NA  
## hostnameHD 72490 NA  
## hostnameHD 72659 NA  
## hostnameHD 72892 NA  
## hostnameHD 73256 NA  
## hostnameHD 73267 NA  
## hostnameHD 73526 NA  
## hostnameHD 73534 NA  
## hostnameHD 73583 NA  
## hostnameHD 74156 NA  
## hostnameHD 7449 NA  
## hostnameHD 74698 NA  
## hostnameHD 75289 NA  
## hostnameHD 75302 NA  
## hostnameHD 75784 NA  
## hostnameHD 75898 NA  
## hostnameHD 76700 NA  
## hostnameHD 76920 NA  
## hostnameHD 77338 NA  
## hostnameHD 79181 NA  
## hostnameHD 7924 NA  
## hostnameHD 79498 NA  
## hostnameHD 80606 NA  
## hostnameHD 80653 NA  
## hostnameHD 80869 NA  
## hostnameHD 80883 NA  
## hostnameHD 80913 NA  
## hostnameHD 81040 NA  
## hostnameHD 81688 NA  
## hostnameHD 81817 NA  
## hostnameHD 82886 NA  
## hostnameHD 82943 NA  
## hostnameHD 8326 NA  
## hostnameHD 83443 NA  
## hostnameHD 8535 NA  
## hostnameHD 85390 NA  
## hostnameHD 85512 NA  
## hostnameHD 8574 NA  
## hostnameHD 86065 NA  
## hostnameHD 86081 NA  
## hostnameHD 86226 NA  
## hostnameHD 86264 NA  
## hostnameHD 8673 NA  
## hostnameHD 86950 NA  
## hostnameHD 87646 NA  
## hostnameHD 87883 NA  
## hostnameHD 88072 NA  
## hostnameHD 88133 NA  
## hostnameHD 89307 NA  
## hostnameHD 89345 NA  
## hostnameHD 89744 NA  
## hostnameHD 89839 NA  
## hostnameHD 90156 NA  
## hostnameHD 9174 NA  
## hostnameHD 92788 NA  
## hostnameHD 93083 NA  
## hostnameHD 93351 NA  
## hostnameHD 93385 NA  
## hostnameHD 9446 NA  
## hostnameHD 94771 NA  
## hostnameHD 94834 NA  
## hostnameHD 95089 NA  
## hostnameHD 95127 NA  
## hostnameHD 95338 NA  
## hostnameHD 95544 NA  
## hostnameHD 95872 NA  
## hostnameHD 96063 NA  
## hostnameHD 96127 NA  
## hostnameHD 96167 NA  
## hostnameHD 96700 NA  
## hostnameHD 96992 NA  
## hostnameHD 97037 NA  
## hostnameHD 97658 NA  
## hostnameHD 98219 NA  
## hostnameHD 98649 NA  
## hostnameHD 98736 NA  
## hostnameHD 99109 NA  
## hostnameHD 99283 NA  
## hostnameHD 99492 NA  
## hostnameHD 99706 NA  
## hostnameHIP 105854 NA  
## hostnameHIP 107772 NA  
## hostnameHIP 107773 NA  
## hostnameHIP 109384 NA  
## hostnameHIP 109600 NA  
## hostnameHIP 114933 NA  
## hostnameHIP 116454 NA  
## hostnameHIP 12961 NA  
## hostnameHIP 14810 NA  
## hostnameHIP 19976 NA  
## hostnameHIP 21152 NA  
## hostnameHIP 34222 NA  
## hostnameHIP 35173 NA  
## hostnameHIP 35965 NA  
## hostnameHIP 38594 NA  
## hostnameHIP 4845 NA  
## hostnameHIP 48714 NA  
## hostnameHIP 5158 NA  
## hostnameHIP 54373 NA  
## hostnameHIP 54597 NA  
## hostnameHIP 55507 NA  
## hostnameHIP 56640 NA  
## hostnameHIP 57274 NA  
## hostnameHIP 5763 NA  
## hostnameHIP 63242 NA  
## hostnameHIP 65 A NA  
## hostnameHIP 65407 NA  
## hostnameHIP 65891 NA  
## hostnameHIP 67537 NA  
## hostnameHIP 67851 NA  
## hostnameHIP 70849 NA  
## hostnameHIP 71135 NA  
## hostnameHIP 74890 NA  
## hostnameHIP 75056 A NA  
## hostnameHIP 75092 NA  
## hostnameHIP 79431 NA  
## hostnameHIP 8541 NA  
## hostnameHIP 90988 NA  
## hostnameHIP 91258 NA  
## hostnameHIP 948 NA  
## hostnameHIP 9618 NA  
## hostnameHIP 97166 NA  
## hostnameHIP 97233 NA  
## hostnameHIP 99770 NA  
## hostnameHN Lib NA  
## hostnameHR 5183 NA  
## hostnameHR 810 NA  
## hostnameHR 858 NA  
## hostnameHR 8799 NA  
## hostnameIC 4651 9122 NA  
## hostnameiot Dra NA  
## hostnameK2-10 NA  
## hostnameK2-100 NA  
## hostnameK2-101 NA  
## hostnameK2-104 NA  
## hostnameK2-107 NA  
## hostnameK2-108 NA  
## hostnameK2-110 NA  
## hostnameK2-111 NA  
## hostnameK2-113 NA  
## hostnameK2-114 NA  
## hostnameK2-115 NA  
## hostnameK2-116 NA  
## hostnameK2-117 NA  
## hostnameK2-118 NA  
## hostnameK2-119 NA  
## hostnameK2-12 NA  
## hostnameK2-121 NA  
## hostnameK2-122 NA  
## hostnameK2-123 NA  
## hostnameK2-124 NA  
## hostnameK2-125 NA  
## hostnameK2-126 NA  
## hostnameK2-127 NA  
## hostnameK2-128 NA  
## hostnameK2-129 NA  
## hostnameK2-130 NA  
## hostnameK2-131 NA  
## hostnameK2-132 NA  
## hostnameK2-136 NA  
## hostnameK2-138 NA  
## hostnameK2-139 NA  
## hostnameK2-14 NA  
## hostnameK2-140 NA  
## hostnameK2-141 NA  
## hostnameK2-146 NA  
## hostnameK2-167 NA  
## hostnameK2-17 NA  
## hostnameK2-18 NA  
## hostnameK2-180 NA  
## hostnameK2-182 NA  
## hostnameK2-19 NA  
## hostnameK2-199 NA  
## hostnameK2-21 NA  
## hostnameK2-216 NA  
## hostnameK2-222 NA  
## hostnameK2-229 NA  
## hostnameK2-232 NA  
## hostnameK2-233 NA  
## hostnameK2-237 NA  
## hostnameK2-238 NA  
## hostnameK2-24 NA  
## hostnameK2-25 NA  
## hostnameK2-260 NA  
## hostnameK2-261 NA  
## hostnameK2-263 NA  
## hostnameK2-264 NA  
## hostnameK2-265 NA  
## hostnameK2-266 NA  
## hostnameK2-27 NA  
## hostnameK2-28 NA  
## hostnameK2-280 NA  
## hostnameK2-284 NA  
## hostnameK2-285 NA  
## hostnameK2-287 NA  
## hostnameK2-29 NA  
## hostnameK2-290 NA  
## hostnameK2-291 NA  
## hostnameK2-292 NA  
## hostnameK2-295 NA  
## hostnameK2-3 NA  
## hostnameK2-30 NA  
## hostnameK2-31 NA  
## hostnameK2-32 NA  
## hostnameK2-329 NA  
## hostnameK2-34 NA  
## hostnameK2-35 NA  
## hostnameK2-36 NA  
## hostnameK2-38 NA  
## hostnameK2-39 NA  
## hostnameK2-4 NA  
## hostnameK2-43 NA  
## hostnameK2-45 NA  
## hostnameK2-55 NA  
## hostnameK2-60 NA  
## hostnameK2-66 NA  
## hostnameK2-72 NA  
## hostnameK2-79 NA  
## hostnameK2-81 NA  
## hostnameK2-83 NA  
## hostnameK2-85 NA  
## hostnameK2-88 NA  
## hostnameK2-89 NA  
## hostnameK2-90 NA  
## hostnameK2-91 NA  
## hostnameK2-95 NA  
## hostnameK2-97 NA  
## hostnameK2-98 NA  
## hostnameK2-99 NA  
## hostnamekap CrB NA  
## hostnameKapteyn NA  
## hostnameKELT-1 NA  
## hostnameKELT-11 NA  
## hostnameKELT-12 NA  
## hostnameKELT-14 NA  
## hostnameKELT-15 NA  
## hostnameKELT-16 NA  
## hostnameKELT-18 NA  
## hostnameKELT-2 A NA  
## hostnameKELT-20 NA  
## hostnameKELT-21 NA  
## hostnameKELT-23 A NA  
## hostnameKELT-24 NA  
## hostnameKELT-3 NA  
## hostnameKELT-4 A NA  
## hostnameKELT-6 NA  
## hostnameKELT-7 NA  
## hostnameKELT-8 NA  
## hostnameKELT-9 NA  
## hostnameKepler-10 NA  
## hostnameKepler-100 NA  
## hostnameKepler-1000 NA  
## hostnameKepler-1001 NA  
## hostnameKepler-1002 NA  
## hostnameKepler-1003 NA  
## hostnameKepler-1004 NA  
## hostnameKepler-1005 NA  
## hostnameKepler-1007 NA  
## hostnameKepler-1008 NA  
## hostnameKepler-1009 NA  
## hostnameKepler-101 NA  
## hostnameKepler-1010 NA  
## hostnameKepler-1011 NA  
## hostnameKepler-1012 NA  
## hostnameKepler-1013 NA  
## hostnameKepler-1014 NA  
## hostnameKepler-1015 NA  
## hostnameKepler-1016 NA  
## hostnameKepler-1017 NA  
## hostnameKepler-1018 NA  
## hostnameKepler-1019 NA  
## hostnameKepler-102 NA  
## hostnameKepler-1020 NA  
## hostnameKepler-1021 NA  
## hostnameKepler-1022 NA  
## hostnameKepler-1023 NA  
## hostnameKepler-1024 NA  
## hostnameKepler-1025 NA  
## hostnameKepler-1026 NA  
## hostnameKepler-1027 NA  
## hostnameKepler-1028 NA  
## hostnameKepler-1029 NA  
## hostnameKepler-103 NA  
## hostnameKepler-1030 NA  
## hostnameKepler-1032 NA  
## hostnameKepler-1033 NA  
## hostnameKepler-1034 NA  
## hostnameKepler-1035 NA  
## hostnameKepler-1036 NA  
## hostnameKepler-1037 NA  
## hostnameKepler-1038 NA  
## hostnameKepler-1039 NA  
## hostnameKepler-104 NA  
## hostnameKepler-1040 NA  
## hostnameKepler-1041 NA  
## hostnameKepler-1042 NA  
## hostnameKepler-1043 NA  
## hostnameKepler-1044 NA  
## hostnameKepler-1045 NA  
## hostnameKepler-1046 NA  
## hostnameKepler-1047 NA  
## hostnameKepler-1048 NA  
## hostnameKepler-1049 NA  
## hostnameKepler-105 NA  
## hostnameKepler-1050 NA  
## hostnameKepler-1051 NA  
## hostnameKepler-1052 NA  
## hostnameKepler-1053 NA  
## hostnameKepler-1054 NA  
## hostnameKepler-1055 NA  
## hostnameKepler-1056 NA  
## hostnameKepler-1057 NA  
## hostnameKepler-1058 NA  
## hostnameKepler-1059 NA  
## hostnameKepler-106 NA  
## hostnameKepler-1060 NA  
## hostnameKepler-1061 NA  
## hostnameKepler-1062 NA  
## hostnameKepler-1064 NA  
## hostnameKepler-1065 NA  
## hostnameKepler-1066 NA  
## hostnameKepler-1067 NA  
## hostnameKepler-1068 NA  
## hostnameKepler-1069 NA  
## hostnameKepler-107 NA  
## hostnameKepler-1070 NA  
## hostnameKepler-1071 NA  
## hostnameKepler-1072 NA  
## hostnameKepler-1073 NA  
## hostnameKepler-1074 NA  
## hostnameKepler-1075 NA  
## hostnameKepler-1076 NA  
## hostnameKepler-1077 NA  
## hostnameKepler-1078 NA  
## hostnameKepler-108 NA  
## hostnameKepler-1080 NA  
## hostnameKepler-1081 NA  
## hostnameKepler-1082 NA  
## hostnameKepler-1083 NA  
## hostnameKepler-1084 NA  
## hostnameKepler-1085 NA  
## hostnameKepler-1086 NA  
## hostnameKepler-1087 NA  
## hostnameKepler-1088 NA  
## hostnameKepler-1089 NA  
## hostnameKepler-109 NA  
## hostnameKepler-1090 NA  
## hostnameKepler-1091 NA  
## hostnameKepler-1092 NA  
## hostnameKepler-1093 NA  
## hostnameKepler-1094 NA  
## hostnameKepler-1095 NA  
## hostnameKepler-1096 NA  
## hostnameKepler-1097 NA  
## hostnameKepler-1098 NA  
## hostnameKepler-1099 NA  
## hostnameKepler-11 NA  
## hostnameKepler-110 NA  
## hostnameKepler-1100 NA  
## hostnameKepler-1101 NA  
## hostnameKepler-1102 NA  
## hostnameKepler-1103 NA  
## hostnameKepler-1104 NA  
## hostnameKepler-1105 NA  
## hostnameKepler-1106 NA  
## hostnameKepler-1107 NA  
## hostnameKepler-1108 NA  
## hostnameKepler-1109 NA  
## hostnameKepler-111 NA  
## hostnameKepler-1110 NA  
## hostnameKepler-1111 NA  
## hostnameKepler-1112 NA  
## hostnameKepler-1113 NA  
## hostnameKepler-1114 NA  
## hostnameKepler-1115 NA  
## hostnameKepler-1116 NA  
## hostnameKepler-1117 NA  
## hostnameKepler-1118 NA  
## hostnameKepler-1119 NA  
## hostnameKepler-112 NA  
## hostnameKepler-1120 NA  
## hostnameKepler-1121 NA  
## hostnameKepler-1122 NA  
## hostnameKepler-1123 NA  
## hostnameKepler-1124 NA  
## hostnameKepler-1125 NA  
## hostnameKepler-1126 NA  
## hostnameKepler-1127 NA  
## hostnameKepler-1128 NA  
## hostnameKepler-1129 NA  
## hostnameKepler-113 NA  
## hostnameKepler-1130 NA  
## hostnameKepler-1131 NA  
## hostnameKepler-1132 NA  
## hostnameKepler-1133 NA  
## hostnameKepler-1134 NA  
## hostnameKepler-1135 NA  
## hostnameKepler-1136 NA  
## hostnameKepler-1137 NA  
## hostnameKepler-1138 NA  
## hostnameKepler-1139 NA  
## hostnameKepler-114 NA  
## hostnameKepler-1140 NA  
## hostnameKepler-1141 NA  
## hostnameKepler-1142 NA  
## hostnameKepler-1143 NA  
## hostnameKepler-1144 NA  
## hostnameKepler-1145 NA  
## hostnameKepler-1146 NA  
## hostnameKepler-1147 NA  
## hostnameKepler-1148 NA  
## hostnameKepler-1149 NA  
## hostnameKepler-115 NA  
## hostnameKepler-1150 NA  
## hostnameKepler-1151 NA  
## hostnameKepler-1152 NA  
## hostnameKepler-1153 NA  
## hostnameKepler-1154 NA  
## hostnameKepler-1155 NA  
## hostnameKepler-1156 NA  
## hostnameKepler-1157 NA  
## hostnameKepler-1158 NA  
## hostnameKepler-1159 NA  
## hostnameKepler-116 NA  
## hostnameKepler-1160 NA  
## hostnameKepler-1161 NA  
## hostnameKepler-1162 NA  
## hostnameKepler-1163 NA  
## hostnameKepler-1164 NA  
## hostnameKepler-1165 NA  
## hostnameKepler-1166 NA  
## hostnameKepler-1167 NA  
## hostnameKepler-1168 NA  
## hostnameKepler-1169 NA  
## hostnameKepler-117 NA  
## hostnameKepler-1170 NA  
## hostnameKepler-1171 NA  
## hostnameKepler-1172 NA  
## hostnameKepler-1173 NA  
## hostnameKepler-1174 NA  
## hostnameKepler-1175 NA  
## hostnameKepler-1176 NA  
## hostnameKepler-1177 NA  
## hostnameKepler-1178 NA  
## hostnameKepler-1179 NA  
## hostnameKepler-118 NA  
## hostnameKepler-1180 NA  
## hostnameKepler-1181 NA  
## hostnameKepler-1182 NA  
## hostnameKepler-1183 NA  
## hostnameKepler-1184 NA  
## hostnameKepler-1185 NA  
## hostnameKepler-1186 NA  
## hostnameKepler-1187 NA  
## hostnameKepler-1188 NA  
## hostnameKepler-1189 NA  
## hostnameKepler-119 NA  
## hostnameKepler-1190 NA  
## hostnameKepler-1191 NA  
## hostnameKepler-1192 NA  
## hostnameKepler-1193 NA  
## hostnameKepler-1194 NA  
## hostnameKepler-1195 NA  
## hostnameKepler-1196 NA  
## hostnameKepler-1197 NA  
## hostnameKepler-1198 NA  
## hostnameKepler-1199 NA  
## hostnameKepler-12 NA  
## hostnameKepler-120 NA  
## hostnameKepler-1200 NA  
## hostnameKepler-1201 NA  
## hostnameKepler-1202 NA  
## hostnameKepler-1203 NA  
## hostnameKepler-1204 NA  
## hostnameKepler-1205 NA  
## hostnameKepler-1206 NA  
## hostnameKepler-1207 NA  
## hostnameKepler-1208 NA  
## hostnameKepler-1209 NA  
## hostnameKepler-121 NA  
## hostnameKepler-1210 NA  
## hostnameKepler-1211 NA  
## hostnameKepler-1212 NA  
## hostnameKepler-1213 NA  
## hostnameKepler-1214 NA  
## hostnameKepler-1215 NA  
## hostnameKepler-1216 NA  
## hostnameKepler-1217 NA  
## hostnameKepler-1218 NA  
## hostnameKepler-1219 NA  
## hostnameKepler-122 NA  
## hostnameKepler-1220 NA  
## hostnameKepler-1221 NA  
## hostnameKepler-1222 NA  
## hostnameKepler-1223 NA  
## hostnameKepler-1224 NA  
## hostnameKepler-1225 NA  
## hostnameKepler-1226 NA  
## hostnameKepler-1227 NA  
## hostnameKepler-1228 NA  
## hostnameKepler-1229 NA  
## hostnameKepler-123 NA  
## hostnameKepler-1230 NA  
## hostnameKepler-1231 NA  
## hostnameKepler-1232 NA  
## hostnameKepler-1233 NA  
## hostnameKepler-1234 NA  
## hostnameKepler-1235 NA  
## hostnameKepler-1236 NA  
## hostnameKepler-1237 NA  
## hostnameKepler-1238 NA  
## hostnameKepler-1239 NA  
## hostnameKepler-124 NA  
## hostnameKepler-1240 NA  
## hostnameKepler-1241 NA  
## hostnameKepler-1242 NA  
## hostnameKepler-1243 NA  
## hostnameKepler-1244 NA  
## hostnameKepler-1245 NA  
## hostnameKepler-1246 NA  
## hostnameKepler-1247 NA  
## hostnameKepler-1248 NA  
## hostnameKepler-1249 NA  
## hostnameKepler-125 NA  
## hostnameKepler-1250 NA  
## hostnameKepler-1251 NA  
## hostnameKepler-1252 NA  
## hostnameKepler-1253 NA  
## hostnameKepler-1254 NA  
## hostnameKepler-1255 NA  
## hostnameKepler-1256 NA  
## hostnameKepler-1257 NA  
## hostnameKepler-1258 NA  
## hostnameKepler-1259 NA  
## hostnameKepler-126 NA  
## hostnameKepler-1260 NA  
## hostnameKepler-1261 NA  
## hostnameKepler-1262 NA  
## hostnameKepler-1263 NA  
## hostnameKepler-1264 NA  
## hostnameKepler-1265 NA  
## hostnameKepler-1266 NA  
## hostnameKepler-1267 NA  
## hostnameKepler-1268 NA  
## hostnameKepler-1269 NA  
## hostnameKepler-127 NA  
## hostnameKepler-1270 NA  
## hostnameKepler-1271 NA  
## hostnameKepler-1272 NA  
## hostnameKepler-1273 NA  
## hostnameKepler-1274 NA  
## hostnameKepler-1275 NA  
## hostnameKepler-1276 NA  
## hostnameKepler-1277 NA  
## hostnameKepler-1278 NA  
## hostnameKepler-1279 NA  
## hostnameKepler-128 NA  
## hostnameKepler-1280 NA  
## hostnameKepler-1281 NA  
## hostnameKepler-1282 NA  
## hostnameKepler-1283 NA  
## hostnameKepler-1284 NA  
## hostnameKepler-1285 NA  
## hostnameKepler-1286 NA  
## hostnameKepler-1287 NA  
## hostnameKepler-1288 NA  
## hostnameKepler-1289 NA  
## hostnameKepler-129 NA  
## hostnameKepler-1290 NA  
## hostnameKepler-1291 NA  
## hostnameKepler-1292 NA  
## hostnameKepler-1293 NA  
## hostnameKepler-1294 NA  
## hostnameKepler-1295 NA  
## hostnameKepler-1296 NA  
## hostnameKepler-1297 NA  
## hostnameKepler-1298 NA  
## hostnameKepler-1299 NA  
## hostnameKepler-130 NA  
## hostnameKepler-1300 NA  
## hostnameKepler-1301 NA  
## hostnameKepler-1302 NA  
## hostnameKepler-1303 NA  
## hostnameKepler-1304 NA  
## hostnameKepler-1305 NA  
## hostnameKepler-1306 NA  
## hostnameKepler-1307 NA  
## hostnameKepler-1308 NA  
## hostnameKepler-1309 NA  
## hostnameKepler-131 NA  
## hostnameKepler-1310 NA  
## hostnameKepler-1311 NA  
## hostnameKepler-1312 NA  
## hostnameKepler-1313 NA  
## hostnameKepler-1314 NA  
## hostnameKepler-1315 NA  
## hostnameKepler-1316 NA  
## hostnameKepler-1317 NA  
## hostnameKepler-1318 NA  
## hostnameKepler-1319 NA  
## hostnameKepler-1320 NA  
## hostnameKepler-1321 NA  
## hostnameKepler-1322 NA  
## hostnameKepler-1323 NA  
## hostnameKepler-1324 NA  
## hostnameKepler-1325 NA  
## hostnameKepler-1326 NA  
## hostnameKepler-1327 NA  
## hostnameKepler-1328 NA  
## hostnameKepler-1329 NA  
## hostnameKepler-133 NA  
## hostnameKepler-1330 NA  
## hostnameKepler-1331 NA  
## hostnameKepler-1332 NA  
## hostnameKepler-1333 NA  
## hostnameKepler-1334 NA  
## hostnameKepler-1335 NA  
## hostnameKepler-1336 NA  
## hostnameKepler-1337 NA  
## hostnameKepler-1338 NA  
## hostnameKepler-1339 NA  
## hostnameKepler-134 NA  
## hostnameKepler-1340 NA  
## hostnameKepler-1341 NA  
## hostnameKepler-1342 NA  
## hostnameKepler-1343 NA  
## hostnameKepler-1344 NA  
## hostnameKepler-1345 NA  
## hostnameKepler-1346 NA  
## hostnameKepler-1347 NA  
## hostnameKepler-1348 NA  
## hostnameKepler-1349 NA  
## hostnameKepler-135 NA  
## hostnameKepler-1350 NA  
## hostnameKepler-1351 NA  
## hostnameKepler-1352 NA  
## hostnameKepler-1353 NA  
## hostnameKepler-1354 NA  
## hostnameKepler-1355 NA  
## hostnameKepler-1356 NA  
## hostnameKepler-1357 NA  
## hostnameKepler-1358 NA  
## hostnameKepler-1359 NA  
## hostnameKepler-136 NA  
## hostnameKepler-1360 NA  
## hostnameKepler-1361 NA  
## hostnameKepler-1362 NA  
## hostnameKepler-1363 NA  
## hostnameKepler-1364 NA  
## hostnameKepler-1365 NA  
## hostnameKepler-1366 NA  
## hostnameKepler-1367 NA  
## hostnameKepler-1368 NA  
## hostnameKepler-1369 NA  
## hostnameKepler-137 NA  
## hostnameKepler-1370 NA  
## hostnameKepler-1371 NA  
## hostnameKepler-1372 NA  
## hostnameKepler-1373 NA  
## hostnameKepler-1374 NA  
## hostnameKepler-1375 NA  
## hostnameKepler-1376 NA  
## hostnameKepler-1377 NA  
## hostnameKepler-1378 NA  
## hostnameKepler-1379 NA  
## hostnameKepler-138 NA  
## hostnameKepler-1380 NA  
## hostnameKepler-1381 NA  
## hostnameKepler-1382 NA  
## hostnameKepler-1383 NA  
## hostnameKepler-1384 NA  
## hostnameKepler-1385 NA  
## hostnameKepler-1386 NA  
## hostnameKepler-1387 NA  
## hostnameKepler-1388 NA  
## hostnameKepler-1389 NA  
## hostnameKepler-139 NA  
## hostnameKepler-1390 NA  
## hostnameKepler-1391 NA  
## hostnameKepler-1392 NA  
## hostnameKepler-1393 NA  
## hostnameKepler-1394 NA  
## hostnameKepler-1395 NA  
## hostnameKepler-1396 NA  
## hostnameKepler-1397 NA  
## hostnameKepler-1398 NA  
## hostnameKepler-1399 NA  
## hostnameKepler-140 NA  
## hostnameKepler-1400 NA  
## hostnameKepler-1401 NA  
## hostnameKepler-1402 NA  
## hostnameKepler-1403 NA  
## hostnameKepler-1404 NA  
## hostnameKepler-1405 NA  
## hostnameKepler-1406 NA  
## hostnameKepler-1407 NA  
## hostnameKepler-1408 NA  
## hostnameKepler-1409 NA  
## hostnameKepler-141 NA  
## hostnameKepler-1410 NA  
## hostnameKepler-1411 NA  
## hostnameKepler-1412 NA  
## hostnameKepler-1413 NA  
## hostnameKepler-1414 NA  
## hostnameKepler-1415 NA  
## hostnameKepler-1416 NA  
## hostnameKepler-1417 NA  
## hostnameKepler-1418 NA  
## hostnameKepler-1419 NA  
## hostnameKepler-142 NA  
## hostnameKepler-1420 NA  
## hostnameKepler-1421 NA  
## hostnameKepler-1422 NA  
## hostnameKepler-1423 NA  
## hostnameKepler-1424 NA  
## hostnameKepler-1425 NA  
## hostnameKepler-1426 NA  
## hostnameKepler-1427 NA  
## hostnameKepler-1428 NA  
## hostnameKepler-1429 NA  
## hostnameKepler-143 NA  
## hostnameKepler-1430 NA  
## hostnameKepler-1431 NA  
## hostnameKepler-1432 NA  
## hostnameKepler-1434 NA  
## hostnameKepler-1435 NA  
## hostnameKepler-1436 NA  
## hostnameKepler-1437 NA  
## hostnameKepler-1438 NA  
## hostnameKepler-1439 NA  
## hostnameKepler-144 NA  
## hostnameKepler-1440 NA  
## hostnameKepler-1441 NA  
## hostnameKepler-1442 NA  
## hostnameKepler-1443 NA  
## hostnameKepler-1444 NA  
## hostnameKepler-1445 NA  
## hostnameKepler-1446 NA  
## hostnameKepler-1447 NA  
## hostnameKepler-1448 NA  
## hostnameKepler-1449 NA  
## hostnameKepler-145 NA  
## hostnameKepler-1450 NA  
## hostnameKepler-1451 NA  
## hostnameKepler-1452 NA  
## hostnameKepler-1453 NA  
## hostnameKepler-1454 NA  
## hostnameKepler-1455 NA  
## hostnameKepler-1456 NA  
## hostnameKepler-1457 NA  
## hostnameKepler-1458 NA  
## hostnameKepler-1459 NA  
## hostnameKepler-146 NA  
## hostnameKepler-1460 NA  
## hostnameKepler-1461 NA  
## hostnameKepler-1462 NA  
## hostnameKepler-1463 NA  
## hostnameKepler-1464 NA  
## hostnameKepler-1465 NA  
## hostnameKepler-1466 NA  
## hostnameKepler-1467 NA  
## hostnameKepler-1468 NA  
## hostnameKepler-1469 NA  
## hostnameKepler-147 NA  
## hostnameKepler-1470 NA  
## hostnameKepler-1471 NA  
## hostnameKepler-1472 NA  
## hostnameKepler-1473 NA  
## hostnameKepler-1474 NA  
## hostnameKepler-1475 NA  
## hostnameKepler-1476 NA  
## hostnameKepler-1477 NA  
## hostnameKepler-1478 NA  
## hostnameKepler-1479 NA  
## hostnameKepler-148 NA  
## hostnameKepler-1480 NA  
## hostnameKepler-1481 NA  
## hostnameKepler-1482 NA  
## hostnameKepler-1483 NA  
## hostnameKepler-1484 NA  
## hostnameKepler-1485 NA  
## hostnameKepler-1486 NA  
## hostnameKepler-1487 NA  
## hostnameKepler-1488 NA  
## hostnameKepler-1489 NA  
## hostnameKepler-149 NA  
## hostnameKepler-1490 NA  
## hostnameKepler-1491 NA  
## hostnameKepler-1492 NA  
## hostnameKepler-1493 NA  
## hostnameKepler-1494 NA  
## hostnameKepler-1495 NA  
## hostnameKepler-1496 NA  
## hostnameKepler-1497 NA  
## hostnameKepler-1498 NA  
## hostnameKepler-1499 NA  
## hostnameKepler-15 NA  
## hostnameKepler-150 NA  
## hostnameKepler-1500 NA  
## hostnameKepler-1501 NA  
## hostnameKepler-1502 NA  
## hostnameKepler-1503 NA  
## hostnameKepler-1504 NA  
## hostnameKepler-1505 NA  
## hostnameKepler-1506 NA  
## hostnameKepler-1507 NA  
## hostnameKepler-1508 NA  
## hostnameKepler-1509 NA  
## hostnameKepler-151 NA  
## hostnameKepler-1510 NA  
## hostnameKepler-1511 NA  
## hostnameKepler-1512 NA  
## hostnameKepler-1513 NA  
## hostnameKepler-1514 NA  
## hostnameKepler-1515 NA  
## hostnameKepler-1516 NA  
## hostnameKepler-1517 NA  
## hostnameKepler-1518 NA  
## hostnameKepler-1519 NA  
## hostnameKepler-152 NA  
## hostnameKepler-1520 NA  
## hostnameKepler-1521 NA  
## hostnameKepler-1522 NA  
## hostnameKepler-1523 NA  
## hostnameKepler-1524 NA  
## hostnameKepler-1525 NA  
## hostnameKepler-1526 NA  
## hostnameKepler-1527 NA  
## hostnameKepler-1528 NA  
## hostnameKepler-1529 NA  
## hostnameKepler-153 NA  
## hostnameKepler-1530 NA  
## hostnameKepler-1531 NA  
## hostnameKepler-1532 NA  
## hostnameKepler-1533 NA  
## hostnameKepler-1534 NA  
## hostnameKepler-1535 NA  
## hostnameKepler-1536 NA  
## hostnameKepler-1537 NA  
## hostnameKepler-1538 NA  
## hostnameKepler-1539 NA  
## hostnameKepler-154 NA  
## hostnameKepler-1540 NA  
## hostnameKepler-1541 NA  
## hostnameKepler-1542 NA  
## hostnameKepler-1543 NA  
## hostnameKepler-1544 NA  
## hostnameKepler-1545 NA  
## hostnameKepler-1546 NA  
## hostnameKepler-1547 NA  
## hostnameKepler-1548 NA  
## hostnameKepler-1549 NA  
## hostnameKepler-155 NA  
## hostnameKepler-1550 NA  
## hostnameKepler-1551 NA  
## hostnameKepler-1552 NA  
## hostnameKepler-1553 NA  
## hostnameKepler-1554 NA  
## hostnameKepler-1555 NA  
## hostnameKepler-1556 NA  
## hostnameKepler-1557 NA  
## hostnameKepler-1558 NA  
## hostnameKepler-1559 NA  
## hostnameKepler-156 NA  
## hostnameKepler-1560 NA  
## hostnameKepler-1561 NA  
## hostnameKepler-1562 NA  
## hostnameKepler-1563 NA  
## hostnameKepler-1564 NA  
## hostnameKepler-1565 NA  
## hostnameKepler-1566 NA  
## hostnameKepler-1567 NA  
## hostnameKepler-1568 NA  
## hostnameKepler-1569 NA  
## hostnameKepler-157 NA  
## hostnameKepler-1570 NA  
## hostnameKepler-1571 NA  
## hostnameKepler-1572 NA  
## hostnameKepler-1573 NA  
## hostnameKepler-1574 NA  
## hostnameKepler-1575 NA  
## hostnameKepler-1576 NA  
## hostnameKepler-1577 NA  
## hostnameKepler-1578 NA  
## hostnameKepler-1579 NA  
## hostnameKepler-158 NA  
## hostnameKepler-1580 NA  
## hostnameKepler-1581 NA  
## hostnameKepler-1582 NA  
## hostnameKepler-1583 NA  
## hostnameKepler-1584 NA  
## hostnameKepler-1585 NA  
## hostnameKepler-1586 NA  
## hostnameKepler-1587 NA  
## hostnameKepler-1588 NA  
## hostnameKepler-1589 NA  
## hostnameKepler-159 NA  
## hostnameKepler-1590 NA  
## hostnameKepler-1591 NA  
## hostnameKepler-1592 NA  
## hostnameKepler-1593 NA  
## hostnameKepler-1594 NA  
## hostnameKepler-1595 NA  
## hostnameKepler-1596 NA  
## hostnameKepler-1597 NA  
## hostnameKepler-1598 NA  
## hostnameKepler-1599 NA  
## hostnameKepler-16 NA  
## hostnameKepler-160 NA  
## hostnameKepler-1600 NA  
## hostnameKepler-1601 NA  
## hostnameKepler-1602 NA  
## hostnameKepler-1603 NA  
## hostnameKepler-1604 NA  
## hostnameKepler-1605 NA  
## hostnameKepler-1606 NA  
## hostnameKepler-1607 NA  
## hostnameKepler-1608 NA  
## hostnameKepler-1609 NA  
## hostnameKepler-161 NA  
## hostnameKepler-1610 NA  
## hostnameKepler-1611 NA  
## hostnameKepler-1612 NA  
## hostnameKepler-1613 NA  
## hostnameKepler-1614 NA  
## hostnameKepler-1615 NA  
## hostnameKepler-1616 NA  
## hostnameKepler-1617 NA  
## hostnameKepler-1618 NA  
## hostnameKepler-1619 NA  
## hostnameKepler-162 NA  
## hostnameKepler-1620 NA  
## hostnameKepler-1621 NA  
## hostnameKepler-1622 NA  
## hostnameKepler-1623 NA  
## hostnameKepler-1624 NA  
## hostnameKepler-1625 NA  
## hostnameKepler-1626 NA  
## hostnameKepler-1627 NA  
## hostnameKepler-1628 NA  
## hostnameKepler-1629 NA  
## hostnameKepler-163 NA  
## hostnameKepler-1630 NA  
## hostnameKepler-1631 NA  
## hostnameKepler-1632 NA  
## hostnameKepler-1633 NA  
## hostnameKepler-1634 NA  
## hostnameKepler-1635 NA  
## hostnameKepler-1636 NA  
## hostnameKepler-1637 NA  
## hostnameKepler-1638 NA  
## hostnameKepler-1639 NA  
## hostnameKepler-164 NA  
## hostnameKepler-1640 NA  
## hostnameKepler-1641 NA  
## hostnameKepler-1642 NA  
## hostnameKepler-1643 NA  
## hostnameKepler-1644 NA  
## hostnameKepler-1645 NA  
## hostnameKepler-1646 NA  
## hostnameKepler-1647 NA  
## hostnameKepler-1649 NA  
## hostnameKepler-165 NA  
## hostnameKepler-1650 NA  
## hostnameKepler-1651 NA  
## hostnameKepler-1652 NA  
## hostnameKepler-1654 NA  
## hostnameKepler-1655 NA  
## hostnameKepler-1656 NA  
## hostnameKepler-1658 NA  
## hostnameKepler-166 NA  
## hostnameKepler-1661 NA  
## hostnameKepler-1663 NA  
## hostnameKepler-1664 NA  
## hostnameKepler-1665 NA  
## hostnameKepler-1666 NA  
## hostnameKepler-1667 NA  
## hostnameKepler-1668 NA  
## hostnameKepler-1669 NA  
## hostnameKepler-167 NA  
## hostnameKepler-1670 NA  
## hostnameKepler-1671 NA  
## hostnameKepler-1672 NA  
## hostnameKepler-1673 NA  
## hostnameKepler-1674 NA  
## hostnameKepler-1675 NA  
## hostnameKepler-1677 NA  
## hostnameKepler-1678 NA  
## hostnameKepler-1679 NA  
## hostnameKepler-168 NA  
## hostnameKepler-1680 NA  
## hostnameKepler-1681 NA  
## hostnameKepler-1682 NA  
## hostnameKepler-1683 NA  
## hostnameKepler-1684 NA  
## hostnameKepler-1685 NA  
## hostnameKepler-1686 NA  
## hostnameKepler-1687 NA  
## hostnameKepler-1688 NA  
## hostnameKepler-1689 NA  
## hostnameKepler-169 NA  
## hostnameKepler-1690 NA  
## hostnameKepler-1691 NA  
## hostnameKepler-1692 NA  
## hostnameKepler-1693 NA  
## hostnameKepler-1694 NA  
## hostnameKepler-1695 NA  
## hostnameKepler-1696 NA  
## hostnameKepler-1697 NA  
## hostnameKepler-1698 NA  
## hostnameKepler-1699 NA  
## hostnameKepler-17 NA  
## hostnameKepler-170 NA  
## hostnameKepler-1700 NA  
## hostnameKepler-1701 NA  
## hostnameKepler-1702 NA  
## hostnameKepler-1704 NA  
## hostnameKepler-1705 NA  
## hostnameKepler-1709 NA  
## hostnameKepler-171 NA  
## hostnameKepler-1710 NA  
## hostnameKepler-1711 NA  
## hostnameKepler-1712 NA  
## hostnameKepler-1713 NA  
## hostnameKepler-1714 NA  
## hostnameKepler-1715 NA  
## hostnameKepler-1716 NA  
## hostnameKepler-1717 NA  
## hostnameKepler-1718 NA  
## hostnameKepler-1719 NA  
## hostnameKepler-172 NA  
## hostnameKepler-1720 NA  
## hostnameKepler-1721 NA  
## hostnameKepler-1722 NA  
## hostnameKepler-1723 NA  
## hostnameKepler-1724 NA  
## hostnameKepler-1725 NA  
## hostnameKepler-1726 NA  
## hostnameKepler-1727 NA  
## hostnameKepler-1728 NA  
## hostnameKepler-1729 NA  
## hostnameKepler-173 NA  
## hostnameKepler-1730 NA  
## hostnameKepler-1731 NA  
## hostnameKepler-1732 NA  
## hostnameKepler-1733 NA  
## hostnameKepler-1734 NA  
## hostnameKepler-1735 NA  
## hostnameKepler-1736 NA  
## hostnameKepler-1738 NA  
## hostnameKepler-1739 NA  
## hostnameKepler-174 NA  
## hostnameKepler-1740 NA  
## hostnameKepler-1741 NA  
## hostnameKepler-1742 NA  
## hostnameKepler-1743 NA  
## hostnameKepler-1744 NA  
## hostnameKepler-1745 NA  
## hostnameKepler-1746 NA  
## hostnameKepler-1747 NA  
## hostnameKepler-1748 NA  
## hostnameKepler-1749 NA  
## hostnameKepler-175 NA  
## hostnameKepler-1750 NA  
## hostnameKepler-1751 NA  
## hostnameKepler-1752 NA  
## hostnameKepler-1753 NA  
## hostnameKepler-1754 NA  
## hostnameKepler-1755 NA  
## hostnameKepler-1757 NA  
## hostnameKepler-1758 NA  
## hostnameKepler-1759 NA  
## hostnameKepler-176 NA  
## hostnameKepler-1761 NA  
## hostnameKepler-1762 NA  
## hostnameKepler-1763 NA  
## hostnameKepler-1764 NA  
## hostnameKepler-1765 NA  
## hostnameKepler-1766 NA  
## hostnameKepler-1767 NA  
## hostnameKepler-1768 NA  
## hostnameKepler-1769 NA  
## hostnameKepler-177 NA  
## hostnameKepler-1770 NA  
## hostnameKepler-1771 NA  
## hostnameKepler-1772 NA  
## hostnameKepler-1773 NA  
## hostnameKepler-1774 NA  
## hostnameKepler-1775 NA  
## hostnameKepler-1776 NA  
## hostnameKepler-1777 NA  
## hostnameKepler-1778 NA  
## hostnameKepler-1779 NA  
## hostnameKepler-178 NA  
## hostnameKepler-1780 NA  
## hostnameKepler-1781 NA  
## hostnameKepler-1782 NA  
## hostnameKepler-1783 NA  
## hostnameKepler-1784 NA  
## hostnameKepler-1785 NA  
## hostnameKepler-1786 NA  
## hostnameKepler-1787 NA  
## hostnameKepler-1788 NA  
## hostnameKepler-1789 NA  
## hostnameKepler-179 NA  
## hostnameKepler-1790 NA  
## hostnameKepler-1791 NA  
## hostnameKepler-1792 NA  
## hostnameKepler-1793 NA  
## hostnameKepler-1794 NA  
## hostnameKepler-1796 NA  
## hostnameKepler-1797 NA  
## hostnameKepler-1798 NA  
## hostnameKepler-1799 NA  
## hostnameKepler-18 NA  
## hostnameKepler-180 NA  
## hostnameKepler-1800 NA  
## hostnameKepler-1801 NA  
## hostnameKepler-1802 NA  
## hostnameKepler-1804 NA  
## hostnameKepler-1805 NA  
## hostnameKepler-1806 NA  
## hostnameKepler-1807 NA  
## hostnameKepler-1808 NA  
## hostnameKepler-1809 NA  
## hostnameKepler-181 NA  
## hostnameKepler-1810 NA  
## hostnameKepler-1811 NA  
## hostnameKepler-1812 NA  
## hostnameKepler-1814 NA  
## hostnameKepler-1815 NA  
## hostnameKepler-1816 NA  
## hostnameKepler-1817 NA  
## hostnameKepler-1818 NA  
## hostnameKepler-1819 NA  
## hostnameKepler-182 NA  
## hostnameKepler-1820 NA  
## hostnameKepler-1821 NA  
## hostnameKepler-1822 NA  
## hostnameKepler-1823 NA  
## hostnameKepler-1824 NA  
## hostnameKepler-1825 NA  
## hostnameKepler-1826 NA  
## hostnameKepler-1827 NA  
## hostnameKepler-1828 NA  
## hostnameKepler-1829 NA  
## hostnameKepler-183 NA  
## hostnameKepler-1830 NA  
## hostnameKepler-1831 NA  
## hostnameKepler-1832 NA  
## hostnameKepler-1833 NA  
## hostnameKepler-1834 NA  
## hostnameKepler-1835 NA  
## hostnameKepler-1836 NA  
## hostnameKepler-1837 NA  
## hostnameKepler-1838 NA  
## hostnameKepler-1839 NA  
## hostnameKepler-184 NA  
## hostnameKepler-1840 NA  
## hostnameKepler-1841 NA  
## hostnameKepler-1842 NA  
## hostnameKepler-1843 NA  
## hostnameKepler-1844 NA  
## hostnameKepler-1845 NA  
## hostnameKepler-1846 NA  
## hostnameKepler-1847 NA  
## hostnameKepler-1848 NA  
## hostnameKepler-1849 NA  
## hostnameKepler-185 NA  
## hostnameKepler-1850 NA  
## hostnameKepler-1851 NA  
## hostnameKepler-1852 NA  
## hostnameKepler-1853 NA  
## hostnameKepler-1854 NA  
## hostnameKepler-1856 NA  
## hostnameKepler-1857 NA  
## hostnameKepler-1858 NA  
## hostnameKepler-1859 NA  
## hostnameKepler-186 NA  
## hostnameKepler-1860 NA  
## hostnameKepler-1861 NA  
## hostnameKepler-1862 NA  
## hostnameKepler-1863 NA  
## hostnameKepler-1864 NA  
## hostnameKepler-1865 NA  
## hostnameKepler-1866 NA  
## hostnameKepler-1867 NA  
## hostnameKepler-1868 NA  
## hostnameKepler-1869 NA  
## hostnameKepler-187 NA  
## hostnameKepler-1870 NA  
## hostnameKepler-1871 NA  
## hostnameKepler-1872 NA  
## hostnameKepler-1873 NA  
## hostnameKepler-1874 NA  
## hostnameKepler-1875 NA  
## hostnameKepler-1876 NA  
## hostnameKepler-1877 NA  
## hostnameKepler-1878 NA  
## hostnameKepler-1879 NA  
## hostnameKepler-188 NA  
## hostnameKepler-1880 NA  
## hostnameKepler-1881 NA  
## hostnameKepler-1882 NA  
## hostnameKepler-1883 NA  
## hostnameKepler-1884 NA  
## hostnameKepler-1885 NA  
## hostnameKepler-1886 NA  
## hostnameKepler-1887 NA  
## hostnameKepler-1888 NA  
## hostnameKepler-1889 NA  
## hostnameKepler-189 NA  
## hostnameKepler-1890 NA  
## hostnameKepler-1891 NA  
## hostnameKepler-1892 NA  
## hostnameKepler-1893 NA  
## hostnameKepler-1894 NA  
## hostnameKepler-1895 NA  
## hostnameKepler-1896 NA  
## hostnameKepler-1897 NA  
## hostnameKepler-1898 NA  
## hostnameKepler-1899 NA  
## hostnameKepler-19 NA  
## hostnameKepler-190 NA  
## hostnameKepler-1900 NA  
## hostnameKepler-1901 NA  
## hostnameKepler-1902 NA  
## hostnameKepler-1903 NA  
## hostnameKepler-1904 NA  
## hostnameKepler-1905 NA  
## hostnameKepler-1906 NA  
## hostnameKepler-1907 NA  
## hostnameKepler-1909 NA  
## hostnameKepler-191 NA  
## hostnameKepler-1911 NA  
## hostnameKepler-1912 NA  
## hostnameKepler-1913 NA  
## hostnameKepler-1914 NA  
## hostnameKepler-1915 NA  
## hostnameKepler-1916 NA  
## hostnameKepler-1917 NA  
## hostnameKepler-1918 NA  
## hostnameKepler-1919 NA  
## hostnameKepler-192 NA  
## hostnameKepler-1920 NA  
## hostnameKepler-1921 NA  
## hostnameKepler-1922 NA  
## hostnameKepler-1923 NA  
## hostnameKepler-1924 NA  
## hostnameKepler-1925 NA  
## hostnameKepler-1926 NA  
## hostnameKepler-1927 NA  
## hostnameKepler-1928 NA  
## hostnameKepler-1929 NA  
## hostnameKepler-193 NA  
## hostnameKepler-1930 NA  
## hostnameKepler-1931 NA  
## hostnameKepler-1932 NA  
## hostnameKepler-1933 NA  
## hostnameKepler-1934 NA  
## hostnameKepler-1935 NA  
## hostnameKepler-1936 NA  
## hostnameKepler-1937 NA  
## hostnameKepler-1938 NA  
## hostnameKepler-1939 NA  
## hostnameKepler-194 NA  
## hostnameKepler-1940 NA  
## hostnameKepler-1941 NA  
## hostnameKepler-1942 NA  
## hostnameKepler-1943 NA  
## hostnameKepler-1944 NA  
## hostnameKepler-1946 NA  
## hostnameKepler-1947 NA  
## hostnameKepler-1948 NA  
## hostnameKepler-1949 NA  
## hostnameKepler-195 NA  
## hostnameKepler-1950 NA  
## hostnameKepler-1951 NA  
## hostnameKepler-1952 NA  
## hostnameKepler-1953 NA  
## hostnameKepler-1954 NA  
## hostnameKepler-1955 NA  
## hostnameKepler-1956 NA  
## hostnameKepler-1957 NA  
## hostnameKepler-1958 NA  
## hostnameKepler-1959 NA  
## hostnameKepler-196 NA  
## hostnameKepler-1960 NA  
## hostnameKepler-1961 NA  
## hostnameKepler-1962 NA  
## hostnameKepler-1963 NA  
## hostnameKepler-1965 NA  
## hostnameKepler-1966 NA  
## hostnameKepler-1967 NA  
## hostnameKepler-1968 NA  
## hostnameKepler-1969 NA  
## hostnameKepler-197 NA  
## hostnameKepler-1972 NA  
## hostnameKepler-1977 NA  
## hostnameKepler-1978 NA  
## hostnameKepler-1979 NA  
## hostnameKepler-198 NA  
## hostnameKepler-1980 NA  
## hostnameKepler-1981 NA  
## hostnameKepler-1982 NA  
## hostnameKepler-1983 NA  
## hostnameKepler-1986 NA  
## hostnameKepler-1987 NA  
## hostnameKepler-1988 NA  
## hostnameKepler-1989 NA  
## hostnameKepler-199 NA  
## hostnameKepler-1990 NA  
## hostnameKepler-1991 NA  
## hostnameKepler-1992 NA  
## hostnameKepler-1993 NA  
## hostnameKepler-1994 NA  
## hostnameKepler-1995 NA  
## hostnameKepler-1996 NA  
## hostnameKepler-1997 NA  
## hostnameKepler-1998 NA  
## hostnameKepler-1999 NA  
## hostnameKepler-20 NA  
## hostnameKepler-200 NA  
## hostnameKepler-2000 NA  
## hostnameKepler-2001 NA  
## hostnameKepler-201 NA  
## hostnameKepler-202 NA  
## hostnameKepler-203 NA  
## hostnameKepler-204 NA  
## hostnameKepler-205 NA  
## hostnameKepler-206 NA  
## hostnameKepler-207 NA  
## hostnameKepler-208 NA  
## hostnameKepler-209 NA  
## hostnameKepler-21 NA  
## hostnameKepler-210 NA  
## hostnameKepler-211 NA  
## hostnameKepler-212 NA  
## hostnameKepler-213 NA  
## hostnameKepler-214 NA  
## hostnameKepler-215 NA  
## hostnameKepler-216 NA  
## hostnameKepler-217 NA  
## hostnameKepler-218 NA  
## hostnameKepler-219 NA  
## hostnameKepler-22 NA  
## hostnameKepler-220 NA  
## hostnameKepler-221 NA  
## hostnameKepler-222 NA  
## hostnameKepler-223 NA  
## hostnameKepler-224 NA  
## hostnameKepler-225 NA  
## hostnameKepler-226 NA  
## hostnameKepler-227 NA  
## hostnameKepler-228 NA  
## hostnameKepler-229 NA  
## hostnameKepler-23 NA  
## hostnameKepler-230 NA  
## hostnameKepler-231 NA  
## hostnameKepler-232 NA  
## hostnameKepler-233 NA  
## hostnameKepler-234 NA  
## hostnameKepler-235 NA  
## hostnameKepler-236 NA  
## hostnameKepler-237 NA  
## hostnameKepler-238 NA  
## hostnameKepler-239 NA  
## hostnameKepler-24 NA  
## hostnameKepler-240 NA  
## hostnameKepler-241 NA  
## hostnameKepler-242 NA  
## hostnameKepler-243 NA  
## hostnameKepler-244 NA  
## hostnameKepler-245 NA  
## hostnameKepler-246 NA  
## hostnameKepler-247 NA  
## hostnameKepler-248 NA  
## hostnameKepler-249 NA  
## hostnameKepler-25 NA  
## hostnameKepler-250 NA  
## hostnameKepler-251 NA  
## hostnameKepler-252 NA  
## hostnameKepler-253 NA  
## hostnameKepler-254 NA  
## hostnameKepler-255 NA  
## hostnameKepler-256 NA  
## hostnameKepler-257 NA  
## hostnameKepler-258 NA  
## hostnameKepler-259 NA  
## hostnameKepler-26 NA  
## hostnameKepler-260 NA  
## hostnameKepler-261 NA  
## hostnameKepler-262 NA  
## hostnameKepler-263 NA  
## hostnameKepler-264 NA  
## hostnameKepler-265 NA  
## hostnameKepler-266 NA  
## hostnameKepler-267 NA  
## hostnameKepler-268 NA  
## hostnameKepler-269 NA  
## hostnameKepler-27 NA  
## hostnameKepler-270 NA  
## hostnameKepler-271 NA  
## hostnameKepler-272 NA  
## hostnameKepler-273 NA  
## hostnameKepler-274 NA  
## hostnameKepler-275 NA  
## hostnameKepler-276 NA  
## hostnameKepler-277 NA  
## hostnameKepler-278 NA  
## hostnameKepler-279 NA  
## hostnameKepler-280 NA  
## hostnameKepler-281 NA  
## hostnameKepler-282 NA  
## hostnameKepler-283 NA  
## hostnameKepler-284 NA  
## hostnameKepler-285 NA  
## hostnameKepler-286 NA  
## hostnameKepler-287 NA  
## hostnameKepler-288 NA  
## hostnameKepler-289 NA  
## hostnameKepler-29 NA  
## hostnameKepler-290 NA  
## hostnameKepler-291 NA  
## hostnameKepler-292 NA  
## hostnameKepler-293 NA  
## hostnameKepler-294 NA  
## hostnameKepler-295 NA  
## hostnameKepler-296 NA  
## hostnameKepler-297 NA  
## hostnameKepler-298 NA  
## hostnameKepler-299 NA  
## hostnameKepler-30 NA  
## hostnameKepler-300 NA  
## hostnameKepler-301 NA  
## hostnameKepler-302 NA  
## hostnameKepler-303 NA  
## hostnameKepler-304 NA  
## hostnameKepler-305 NA  
## hostnameKepler-306 NA  
## hostnameKepler-307 NA  
## hostnameKepler-308 NA  
## hostnameKepler-309 NA  
## hostnameKepler-31 NA  
## hostnameKepler-310 NA  
## hostnameKepler-311 NA  
## hostnameKepler-312 NA  
## hostnameKepler-313 NA  
## hostnameKepler-314 NA  
## hostnameKepler-315 NA  
## hostnameKepler-316 NA  
## hostnameKepler-317 NA  
## hostnameKepler-318 NA  
## hostnameKepler-319 NA  
## hostnameKepler-32 NA  
## hostnameKepler-320 NA  
## hostnameKepler-321 NA  
## hostnameKepler-322 NA  
## hostnameKepler-323 NA  
## hostnameKepler-324 NA  
## hostnameKepler-325 NA  
## hostnameKepler-326 NA  
## hostnameKepler-327 NA  
## hostnameKepler-328 NA  
## hostnameKepler-329 NA  
## hostnameKepler-33 NA  
## hostnameKepler-330 NA  
## hostnameKepler-331 NA  
## hostnameKepler-332 NA  
## hostnameKepler-333 NA  
## hostnameKepler-334 NA  
## hostnameKepler-335 NA  
## hostnameKepler-336 NA  
## hostnameKepler-337 NA  
## hostnameKepler-338 NA  
## hostnameKepler-339 NA  
## hostnameKepler-34 NA  
## hostnameKepler-340 NA  
## hostnameKepler-341 NA  
## hostnameKepler-342 NA  
## hostnameKepler-343 NA  
## hostnameKepler-344 NA  
## hostnameKepler-345 NA  
## hostnameKepler-346 NA  
## hostnameKepler-347 NA  
## hostnameKepler-348 NA  
## hostnameKepler-349 NA  
## hostnameKepler-35 NA  
## hostnameKepler-350 NA  
## hostnameKepler-351 NA  
## hostnameKepler-352 NA  
## hostnameKepler-353 NA  
## hostnameKepler-354 NA  
## hostnameKepler-355 NA  
## hostnameKepler-356 NA  
## hostnameKepler-357 NA  
## hostnameKepler-358 NA  
## hostnameKepler-359 NA  
## hostnameKepler-36 NA  
## hostnameKepler-360 NA  
## hostnameKepler-361 NA  
## hostnameKepler-362 NA  
## hostnameKepler-363 NA  
## hostnameKepler-364 NA  
## hostnameKepler-366 NA  
## hostnameKepler-367 NA  
## hostnameKepler-368 NA  
## hostnameKepler-369 NA  
## hostnameKepler-37 NA  
## hostnameKepler-370 NA  
## hostnameKepler-371 NA  
## hostnameKepler-372 NA  
## hostnameKepler-373 NA  
## hostnameKepler-374 NA  
## hostnameKepler-375 NA  
## hostnameKepler-376 NA  
## hostnameKepler-377 NA  
## hostnameKepler-378 NA  
## hostnameKepler-379 NA  
## hostnameKepler-380 NA  
## hostnameKepler-381 NA  
## hostnameKepler-382 NA  
## hostnameKepler-383 NA  
## hostnameKepler-384 NA  
## hostnameKepler-385 NA  
## hostnameKepler-386 NA  
## hostnameKepler-387 NA  
## hostnameKepler-388 NA  
## hostnameKepler-389 NA  
## hostnameKepler-39 NA  
## hostnameKepler-390 NA  
## hostnameKepler-391 NA  
## hostnameKepler-392 NA  
## hostnameKepler-393 NA  
## hostnameKepler-394 NA  
## hostnameKepler-395 NA  
## hostnameKepler-396 NA  
## hostnameKepler-398 NA  
## hostnameKepler-399 NA  
## hostnameKepler-4 NA  
## hostnameKepler-40 NA  
## hostnameKepler-400 NA  
## hostnameKepler-401 NA  
## hostnameKepler-402 NA  
## hostnameKepler-403 NA  
## hostnameKepler-404 NA  
## hostnameKepler-405 NA  
## hostnameKepler-406 NA  
## hostnameKepler-409 NA  
## hostnameKepler-41 NA  
## hostnameKepler-410 A NA  
## hostnameKepler-411 NA  
## hostnameKepler-412 NA  
## hostnameKepler-413 NA  
## hostnameKepler-414 NA  
## hostnameKepler-415 NA  
## hostnameKepler-416 NA  
## hostnameKepler-417 NA  
## hostnameKepler-418 NA  
## hostnameKepler-419 NA  
## hostnameKepler-42 NA  
## hostnameKepler-421 NA  
## hostnameKepler-422 NA  
## hostnameKepler-423 NA  
## hostnameKepler-424 NA  
## hostnameKepler-425 NA  
## hostnameKepler-426 NA  
## hostnameKepler-427 NA  
## hostnameKepler-428 NA  
## hostnameKepler-43 NA  
## hostnameKepler-430 NA  
## hostnameKepler-431 NA  
## hostnameKepler-432 NA  
## hostnameKepler-433 NA  
## hostnameKepler-434 NA  
## hostnameKepler-435 NA  
## hostnameKepler-436 NA  
## hostnameKepler-437 NA  
## hostnameKepler-438 NA  
## hostnameKepler-439 NA  
## hostnameKepler-44 NA  
## hostnameKepler-440 NA  
## hostnameKepler-441 NA  
## hostnameKepler-442 NA  
## hostnameKepler-443 NA  
## hostnameKepler-444 NA  
## hostnameKepler-445 NA  
## hostnameKepler-446 NA  
## hostnameKepler-447 NA  
## hostnameKepler-449 NA  
## hostnameKepler-45 NA  
## hostnameKepler-450 NA  
## hostnameKepler-452 NA  
## hostnameKepler-454 NA  
## hostnameKepler-46 NA  
## hostnameKepler-461 NA  
## hostnameKepler-462 NA  
## hostnameKepler-463 NA  
## hostnameKepler-464 NA  
## hostnameKepler-465 NA  
## hostnameKepler-466 NA  
## hostnameKepler-467 NA  
## hostnameKepler-47 NA  
## hostnameKepler-470 NA  
## hostnameKepler-471 NA  
## hostnameKepler-472 NA  
## hostnameKepler-473 NA  
## hostnameKepler-474 NA  
## hostnameKepler-475 NA  
## hostnameKepler-476 NA  
## hostnameKepler-478 NA  
## hostnameKepler-479 NA  
## hostnameKepler-48 NA  
## hostnameKepler-480 NA  
## hostnameKepler-481 NA  
## hostnameKepler-482 NA  
## hostnameKepler-483 NA  
## hostnameKepler-484 NA  
## hostnameKepler-485 NA  
## hostnameKepler-487 NA  
## hostnameKepler-488 NA  
## hostnameKepler-489 NA  
## hostnameKepler-49 NA  
## hostnameKepler-491 NA  
## hostnameKepler-493 NA  
## hostnameKepler-494 NA  
## hostnameKepler-495 NA  
## hostnameKepler-496 NA  
## hostnameKepler-497 NA  
## hostnameKepler-498 NA  
## hostnameKepler-499 NA  
## hostnameKepler-5 NA  
## hostnameKepler-500 NA  
## hostnameKepler-501 NA  
## hostnameKepler-502 NA  
## hostnameKepler-504 NA  
## hostnameKepler-505 NA  
## hostnameKepler-506 NA  
## hostnameKepler-507 NA  
## hostnameKepler-508 NA  
## hostnameKepler-509 NA  
## hostnameKepler-51 NA  
## hostnameKepler-510 NA  
## hostnameKepler-511 NA  
## hostnameKepler-512 NA  
## hostnameKepler-513 NA  
## hostnameKepler-514 NA  
## hostnameKepler-516 NA  
## hostnameKepler-517 NA  
## hostnameKepler-518 NA  
## hostnameKepler-519 NA  
## hostnameKepler-52 NA  
## hostnameKepler-520 NA  
## hostnameKepler-521 NA  
## hostnameKepler-522 NA  
## hostnameKepler-523 NA  
## hostnameKepler-524 NA  
## hostnameKepler-525 NA  
## hostnameKepler-526 NA  
## hostnameKepler-527 NA  
## hostnameKepler-528 NA  
## hostnameKepler-529 NA  
## hostnameKepler-53 NA  
## hostnameKepler-530 NA  
## hostnameKepler-531 NA  
## hostnameKepler-532 NA  
## hostnameKepler-533 NA  
## hostnameKepler-534 NA  
## hostnameKepler-535 NA  
## hostnameKepler-536 NA  
## hostnameKepler-537 NA  
## hostnameKepler-538 NA  
## hostnameKepler-539 NA  
## hostnameKepler-54 NA  
## hostnameKepler-540 NA  
## hostnameKepler-541 NA  
## hostnameKepler-542 NA  
## hostnameKepler-543 NA  
## hostnameKepler-544 NA  
## hostnameKepler-545 NA  
## hostnameKepler-546 NA  
## hostnameKepler-547 NA  
## hostnameKepler-549 NA  
## hostnameKepler-55 NA  
## hostnameKepler-550 NA  
## hostnameKepler-551 NA  
## hostnameKepler-552 NA  
## hostnameKepler-553 NA  
## hostnameKepler-554 NA  
## hostnameKepler-555 NA  
## hostnameKepler-556 NA  
## hostnameKepler-557 NA  
## hostnameKepler-558 NA  
## hostnameKepler-559 NA  
## hostnameKepler-56 NA  
## hostnameKepler-560 NA  
## hostnameKepler-561 NA  
## hostnameKepler-562 NA  
## hostnameKepler-563 NA  
## hostnameKepler-564 NA  
## hostnameKepler-566 NA  
## hostnameKepler-567 NA  
## hostnameKepler-568 NA  
## hostnameKepler-569 NA  
## hostnameKepler-570 NA  
## hostnameKepler-571 NA  
## hostnameKepler-572 NA  
## hostnameKepler-573 NA  
## hostnameKepler-574 NA  
## hostnameKepler-575 NA  
## hostnameKepler-576 NA  
## hostnameKepler-577 NA  
## hostnameKepler-578 NA  
## hostnameKepler-579 NA  
## hostnameKepler-58 NA  
## hostnameKepler-580 NA  
## hostnameKepler-581 NA  
## hostnameKepler-582 NA  
## hostnameKepler-583 NA  
## hostnameKepler-584 NA  
## hostnameKepler-585 NA  
## hostnameKepler-586 NA  
## hostnameKepler-587 NA  
## hostnameKepler-588 NA  
## hostnameKepler-589 NA  
## hostnameKepler-59 NA  
## hostnameKepler-590 NA  
## hostnameKepler-591 NA  
## hostnameKepler-592 NA  
## hostnameKepler-593 NA  
## hostnameKepler-594 NA  
## hostnameKepler-595 NA  
## hostnameKepler-596 NA  
## hostnameKepler-597 NA  
## hostnameKepler-598 NA  
## hostnameKepler-599 NA  
## hostnameKepler-6 NA  
## hostnameKepler-60 NA  
## hostnameKepler-600 NA  
## hostnameKepler-601 NA  
## hostnameKepler-602 NA  
## hostnameKepler-603 NA  
## hostnameKepler-604 NA  
## hostnameKepler-605 NA  
## hostnameKepler-606 NA  
## hostnameKepler-607 NA  
## hostnameKepler-608 NA  
## hostnameKepler-609 NA  
## hostnameKepler-61 NA  
## hostnameKepler-610 NA  
## hostnameKepler-611 NA  
## hostnameKepler-612 NA  
## hostnameKepler-613 NA  
## hostnameKepler-614 NA  
## hostnameKepler-615 NA  
## hostnameKepler-616 NA  
## hostnameKepler-617 NA  
## hostnameKepler-618 NA  
## hostnameKepler-619 NA  
## hostnameKepler-620 NA  
## hostnameKepler-621 NA  
## hostnameKepler-622 NA  
## hostnameKepler-623 NA  
## hostnameKepler-624 NA  
## hostnameKepler-625 NA  
## hostnameKepler-626 NA  
## hostnameKepler-627 NA  
## hostnameKepler-628 NA  
## hostnameKepler-629 NA  
## hostnameKepler-63 NA  
## hostnameKepler-630 NA  
## hostnameKepler-631 NA  
## hostnameKepler-634 NA  
## hostnameKepler-635 NA  
## hostnameKepler-637 NA  
## hostnameKepler-638 NA  
## hostnameKepler-639 NA  
## hostnameKepler-640 NA  
## hostnameKepler-641 NA  
## hostnameKepler-642 NA  
## hostnameKepler-643 NA  
## hostnameKepler-644 NA  
## hostnameKepler-645 NA  
## hostnameKepler-646 NA  
## hostnameKepler-647 NA  
## hostnameKepler-648 NA  
## hostnameKepler-649 NA  
## hostnameKepler-65 NA  
## hostnameKepler-650 NA  
## hostnameKepler-651 NA  
## hostnameKepler-652 NA  
## hostnameKepler-653 NA  
## hostnameKepler-654 NA  
## hostnameKepler-655 NA  
## hostnameKepler-656 NA  
## hostnameKepler-657 NA  
## hostnameKepler-658 NA  
## hostnameKepler-659 NA  
## hostnameKepler-66 NA  
## hostnameKepler-660 NA  
## hostnameKepler-661 NA  
## hostnameKepler-662 NA  
## hostnameKepler-663 NA  
## hostnameKepler-664 NA  
## hostnameKepler-665 NA  
## hostnameKepler-666 NA  
## hostnameKepler-667 NA  
## hostnameKepler-668 NA  
## hostnameKepler-669 NA  
## hostnameKepler-67 NA  
## hostnameKepler-671 NA  
## hostnameKepler-672 NA  
## hostnameKepler-673 NA  
## hostnameKepler-674 NA  
## hostnameKepler-675 NA  
## hostnameKepler-676 NA  
## hostnameKepler-677 NA  
## hostnameKepler-678 NA  
## hostnameKepler-679 NA  
## hostnameKepler-68 NA  
## hostnameKepler-680 NA  
## hostnameKepler-681 NA  
## hostnameKepler-682 NA  
## hostnameKepler-683 NA  
## hostnameKepler-684 NA  
## hostnameKepler-685 NA  
## hostnameKepler-687 NA  
## hostnameKepler-688 NA  
## hostnameKepler-689 NA  
## hostnameKepler-69 NA  
## hostnameKepler-690 NA  
## hostnameKepler-691 NA  
## hostnameKepler-692 NA  
## hostnameKepler-693 NA  
## hostnameKepler-694 NA  
## hostnameKepler-695 NA  
## hostnameKepler-696 NA  
## hostnameKepler-697 NA  
## hostnameKepler-698 NA  
## hostnameKepler-7 NA  
## hostnameKepler-700 NA  
## hostnameKepler-701 NA  
## hostnameKepler-702 NA  
## hostnameKepler-703 NA  
## hostnameKepler-704 NA  
## hostnameKepler-705 NA  
## hostnameKepler-707 NA  
## hostnameKepler-708 NA  
## hostnameKepler-709 NA  
## hostnameKepler-710 NA  
## hostnameKepler-711 NA  
## hostnameKepler-712 NA  
## hostnameKepler-713 NA  
## hostnameKepler-714 NA  
## hostnameKepler-715 NA  
## hostnameKepler-716 NA  
## hostnameKepler-717 NA  
## hostnameKepler-718 NA  
## hostnameKepler-719 NA  
## hostnameKepler-720 NA  
## hostnameKepler-721 NA  
## hostnameKepler-722 NA  
## hostnameKepler-724 NA  
## hostnameKepler-725 NA  
## hostnameKepler-726 NA  
## hostnameKepler-727 NA  
## hostnameKepler-728 NA  
## hostnameKepler-729 NA  
## hostnameKepler-730 NA  
## hostnameKepler-732 NA  
## hostnameKepler-733 NA  
## hostnameKepler-734 NA  
## hostnameKepler-735 NA  
## hostnameKepler-736 NA  
## hostnameKepler-737 NA  
## hostnameKepler-738 NA  
## hostnameKepler-739 NA  
## hostnameKepler-74 NA  
## hostnameKepler-740 NA  
## hostnameKepler-741 NA  
## hostnameKepler-742 NA  
## hostnameKepler-743 NA  
## hostnameKepler-744 NA  
## hostnameKepler-745 NA  
## hostnameKepler-746 NA  
## hostnameKepler-747 NA  
## hostnameKepler-748 NA  
## hostnameKepler-749 NA  
## hostnameKepler-75 NA  
## hostnameKepler-750 NA  
## hostnameKepler-751 NA  
## hostnameKepler-752 NA  
## hostnameKepler-753 NA  
## hostnameKepler-754 NA  
## hostnameKepler-755 NA  
## hostnameKepler-756 NA  
## hostnameKepler-757 NA  
## hostnameKepler-758 NA  
## hostnameKepler-759 NA  
## hostnameKepler-76 NA  
## hostnameKepler-760 NA  
## hostnameKepler-761 NA  
## hostnameKepler-763 NA  
## hostnameKepler-764 NA  
## hostnameKepler-765 NA  
## hostnameKepler-766 NA  
## hostnameKepler-767 NA  
## hostnameKepler-768 NA  
## hostnameKepler-769 NA  
## hostnameKepler-77 NA  
## hostnameKepler-770 NA  
## hostnameKepler-771 NA  
## hostnameKepler-772 NA  
## hostnameKepler-773 NA  
## hostnameKepler-774 NA  
## hostnameKepler-775 NA  
## hostnameKepler-776 NA  
## hostnameKepler-777 NA  
## hostnameKepler-778 NA  
## hostnameKepler-779 NA  
## hostnameKepler-78 NA  
## hostnameKepler-780 NA  
## hostnameKepler-781 NA  
## hostnameKepler-782 NA  
## hostnameKepler-783 NA  
## hostnameKepler-784 NA  
## hostnameKepler-786 NA  
## hostnameKepler-787 NA  
## hostnameKepler-788 NA  
## hostnameKepler-789 NA  
## hostnameKepler-79 NA  
## hostnameKepler-790 NA  
## hostnameKepler-791 NA  
## hostnameKepler-792 NA  
## hostnameKepler-793 NA  
## hostnameKepler-794 NA  
## hostnameKepler-795 NA  
## hostnameKepler-796 NA  
## hostnameKepler-797 NA  
## hostnameKepler-798 NA  
## hostnameKepler-8 NA  
## hostnameKepler-80 NA  
## hostnameKepler-800 NA  
## hostnameKepler-801 NA  
## hostnameKepler-802 NA  
## hostnameKepler-803 NA  
## hostnameKepler-804 NA  
## hostnameKepler-805 NA  
## hostnameKepler-806 NA  
## hostnameKepler-807 NA  
## hostnameKepler-808 NA  
## hostnameKepler-809 NA  
## hostnameKepler-81 NA  
## hostnameKepler-810 NA  
## hostnameKepler-811 NA  
## hostnameKepler-812 NA  
## hostnameKepler-813 NA  
## hostnameKepler-814 NA  
## hostnameKepler-815 NA  
## hostnameKepler-816 NA  
## hostnameKepler-817 NA  
## hostnameKepler-818 NA  
## hostnameKepler-819 NA  
## hostnameKepler-82 NA  
## hostnameKepler-820 NA  
## hostnameKepler-821 NA  
## hostnameKepler-822 NA  
## hostnameKepler-823 NA  
## hostnameKepler-824 NA  
## hostnameKepler-825 NA  
## hostnameKepler-826 NA  
## hostnameKepler-827 NA  
## hostnameKepler-828 NA  
## hostnameKepler-829 NA  
## hostnameKepler-83 NA  
## hostnameKepler-830 NA  
## hostnameKepler-831 NA  
## hostnameKepler-832 NA  
## hostnameKepler-833 NA  
## hostnameKepler-834 NA  
## hostnameKepler-835 NA  
## hostnameKepler-836 NA  
## hostnameKepler-837 NA  
## hostnameKepler-838 NA  
## hostnameKepler-839 NA  
## hostnameKepler-84 NA  
## hostnameKepler-841 NA  
## hostnameKepler-842 NA  
## hostnameKepler-843 NA  
## hostnameKepler-844 NA  
## hostnameKepler-845 NA  
## hostnameKepler-846 NA  
## hostnameKepler-847 NA  
## hostnameKepler-848 NA  
## hostnameKepler-849 NA  
## hostnameKepler-85 NA  
## hostnameKepler-850 NA  
## hostnameKepler-851 NA  
## hostnameKepler-852 NA  
## hostnameKepler-853 NA  
## hostnameKepler-855 NA  
## hostnameKepler-856 NA  
## hostnameKepler-857 NA  
## hostnameKepler-858 NA  
## hostnameKepler-859 NA  
## hostnameKepler-860 NA  
## hostnameKepler-861 NA  
## hostnameKepler-862 NA  
## hostnameKepler-863 NA  
## hostnameKepler-864 NA  
## hostnameKepler-865 NA  
## hostnameKepler-866 NA  
## hostnameKepler-867 NA  
## hostnameKepler-868 NA  
## hostnameKepler-869 NA  
## hostnameKepler-87 NA  
## hostnameKepler-870 NA  
## hostnameKepler-871 NA  
## hostnameKepler-872 NA  
## hostnameKepler-873 NA  
## hostnameKepler-874 NA  
## hostnameKepler-875 NA  
## hostnameKepler-876 NA  
## hostnameKepler-877 NA  
## hostnameKepler-878 NA  
## hostnameKepler-879 NA  
## hostnameKepler-880 NA  
## hostnameKepler-881 NA  
## hostnameKepler-882 NA  
## hostnameKepler-883 NA  
## hostnameKepler-884 NA  
## hostnameKepler-885 NA  
## hostnameKepler-886 NA  
## hostnameKepler-887 NA  
## hostnameKepler-888 NA  
## hostnameKepler-889 NA  
## hostnameKepler-890 NA  
## hostnameKepler-891 NA  
## hostnameKepler-892 NA  
## hostnameKepler-893 NA  
## hostnameKepler-894 NA  
## hostnameKepler-895 NA  
## hostnameKepler-896 NA  
## hostnameKepler-897 NA  
## hostnameKepler-898 NA  
## hostnameKepler-899 NA  
## hostnameKepler-9 NA  
## hostnameKepler-900 NA  
## hostnameKepler-901 NA  
## hostnameKepler-902 NA  
## hostnameKepler-903 NA  
## hostnameKepler-904 NA  
## hostnameKepler-905 NA  
## hostnameKepler-906 NA  
## hostnameKepler-907 NA  
## hostnameKepler-908 NA  
## hostnameKepler-909 NA  
## hostnameKepler-91 NA  
## hostnameKepler-910 NA  
## hostnameKepler-911 NA  
## hostnameKepler-912 NA  
## hostnameKepler-913 NA  
## hostnameKepler-914 NA  
## hostnameKepler-915 NA  
## hostnameKepler-916 NA  
## hostnameKepler-917 NA  
## hostnameKepler-918 NA  
## hostnameKepler-919 NA  
## hostnameKepler-92 NA  
## hostnameKepler-920 NA  
## hostnameKepler-921 NA  
## hostnameKepler-922 NA  
## hostnameKepler-923 NA  
## hostnameKepler-924 NA  
## hostnameKepler-925 NA  
## hostnameKepler-926 NA  
## hostnameKepler-927 NA  
## hostnameKepler-928 NA  
## hostnameKepler-929 NA  
## hostnameKepler-93 NA  
## hostnameKepler-930 NA  
## hostnameKepler-931 NA  
## hostnameKepler-932 NA  
## hostnameKepler-933 NA  
## hostnameKepler-934 NA  
## hostnameKepler-935 NA  
## hostnameKepler-936 NA  
## hostnameKepler-937 NA  
## hostnameKepler-939 NA  
## hostnameKepler-94 NA  
## hostnameKepler-940 NA  
## hostnameKepler-941 NA  
## hostnameKepler-942 NA  
## hostnameKepler-943 NA  
## hostnameKepler-944 NA  
## hostnameKepler-945 NA  
## hostnameKepler-946 NA  
## hostnameKepler-947 NA  
## hostnameKepler-948 NA  
## hostnameKepler-949 NA  
## hostnameKepler-95 NA  
## hostnameKepler-950 NA  
## hostnameKepler-951 NA  
## hostnameKepler-952 NA  
## hostnameKepler-953 NA  
## hostnameKepler-954 NA  
## hostnameKepler-955 NA  
## hostnameKepler-956 NA  
## hostnameKepler-957 NA  
## hostnameKepler-958 NA  
## hostnameKepler-959 NA  
## hostnameKepler-96 NA  
## hostnameKepler-960 NA  
## hostnameKepler-961 NA  
## hostnameKepler-962 NA  
## hostnameKepler-963 NA  
## hostnameKepler-964 NA  
## hostnameKepler-965 NA  
## hostnameKepler-966 NA  
## hostnameKepler-967 NA  
## hostnameKepler-968 NA  
## hostnameKepler-969 NA  
## hostnameKepler-97 NA  
## hostnameKepler-970 NA  
## hostnameKepler-971 NA  
## hostnameKepler-972 NA  
## hostnameKepler-973 NA  
## hostnameKepler-974 NA  
## hostnameKepler-975 NA  
## hostnameKepler-976 NA  
## hostnameKepler-977 NA  
## hostnameKepler-978 NA  
## hostnameKepler-979 NA  
## hostnameKepler-98 NA  
## hostnameKepler-980 NA  
## hostnameKepler-981 NA  
## hostnameKepler-982 NA  
## hostnameKepler-983 NA  
## hostnameKepler-984 NA  
## hostnameKepler-985 NA  
## hostnameKepler-986 NA  
## hostnameKepler-987 NA  
## hostnameKepler-988 NA  
## hostnameKepler-989 NA  
## hostnameKepler-99 NA  
## hostnameKepler-990 NA  
## hostnameKepler-991 NA  
## hostnameKepler-992 NA  
## hostnameKepler-993 NA  
## hostnameKepler-994 NA  
## hostnameKepler-995 NA  
## hostnameKepler-996 NA  
## hostnameKepler-997 NA  
## hostnameKepler-998 NA  
## hostnameKepler-999 NA  
## hostnameKIC 3526061 NA  
## hostnameKIC 5095269 NA  
## hostnameKIC 5437945 NA  
## hostnameKIC 9663113 NA  
## hostnameKOI-12 NA  
## hostnameKOI-1257 NA  
## hostnameKOI-13 NA  
## hostnameKOI-142 NA  
## hostnameKOI-1599 NA  
## hostnameKOI-1783 NA  
## hostnameKOI-3503 NA  
## hostnameKOI-351 NA  
## hostnameKOI-3680 NA  
## hostnameKOI-7368 NA  
## hostnameKOI-7892 NA  
## hostnameKOI-7913 A NA  
## hostnameKOI-94 NA  
## hostnameKPS-1 NA  
## hostnameL 168-9 NA  
## hostnameL 98-59 NA  
## hostnameLHS 1140 NA  
## hostnameLHS 1678 NA  
## hostnameLHS 1815 NA  
## hostnameLP 714-47 NA  
## hostnameLP 791-18 NA  
## hostnameLSPM J2116+0234 NA  
## hostnameLTT 1445 A NA  
## hostnameLTT 3780 NA  
## hostnameLTT 9779 NA  
## hostnameLupus-TR-3 NA  
## hostnameMASCARA-1 NA  
## hostnameMASCARA-4 NA  
## hostnamemu Leo NA  
## hostnameNGC 2682 Sand 364 NA  
## hostnameNGTS-1 NA  
## hostnameNGTS-10 NA  
## hostnameNGTS-11 NA  
## hostnameNGTS-12 NA  
## hostnameNGTS-13 NA  
## hostnameNGTS-14 A NA  
## hostnameNGTS-15 NA  
## hostnameNGTS-16 NA  
## hostnameNGTS-17 NA  
## hostnameNGTS-18 NA  
## hostnameNGTS-2 NA  
## hostnameNGTS-20 NA  
## hostnameNGTS-21 NA  
## hostnameNGTS-23 NA  
## hostnameNGTS-24 NA  
## hostnameNGTS-25 NA  
## hostnameNGTS-4 NA  
## hostnameNGTS-5 NA  
## hostnameNGTS-6 NA  
## hostnameNGTS-8 NA  
## hostnameNGTS-9 NA  
## hostnameNSVS 14256825 NA  
## hostnamenu Oct A NA  
## hostnamenu Oph NA  
## hostnameNY Vir NA  
## hostnameOGLE-TR-10 NA  
## hostnameOGLE-TR-111 NA  
## hostnameOGLE-TR-132 NA  
## hostnameOGLE-TR-182 NA  
## hostnameOGLE-TR-211 NA  
## hostnameome Ser NA  
## hostnameomi CrB NA  
## hostnamePDS 70 NA  
## hostnamePr0201 NA  
## hostnamePr0211 NA  
## hostnameProxima Cen NA  
## hostnamepsi1 Dra B NA  
## hostnamePZ Tel NA  
## hostnameQatar-1 NA  
## hostnameQatar-10 NA  
## hostnameQatar-2 NA  
## hostnameQatar-3 NA  
## hostnameQatar-4 NA  
## hostnameQatar-5 NA  
## hostnameQatar-6 NA  
## hostnameQatar-7 NA  
## hostnameQatar-8 NA  
## hostnameQatar-9 NA  
## hostnamerho CrB NA  
## hostnameRoss 128 NA  
## hostnameRoss 508 NA  
## hostnameRR Cae NA  
## hostnametau Boo NA  
## hostnametau Cet NA  
## hostnametau Gem NA  
## hostnameTeegarden's Star NA  
## hostnameTIC 172900988 Aa NA  
## hostnameTIC 237913194 NA  
## hostnameTIC 257060897 NA  
## hostnameTIC 279401253 NA  
## hostnameTOI-1052 NA  
## hostnameTOI-1062 NA  
## hostnameTOI-1064 NA  
## hostnameTOI-1075 NA  
## hostnameTOI-1107 NA  
## hostnameTOI-1130 NA  
## hostnameTOI-1201 NA  
## hostnameTOI-122 NA  
## hostnameTOI-1231 NA  
## hostnameTOI-1235 NA  
## hostnameTOI-125 NA  
## hostnameTOI-1259 A NA  
## hostnameTOI-1260 NA  
## hostnameTOI-1266 NA  
## hostnameTOI-1268 NA  
## hostnameTOI-1272 NA  
## hostnameTOI-1278 NA  
## hostnameTOI-1288 NA  
## hostnameTOI-1296 NA  
## hostnameTOI-1298 NA  
## hostnameTOI-132 NA  
## hostnameTOI-1333 NA  
## hostnameTOI-1338 A NA  
## hostnameTOI-1416 NA  
## hostnameTOI-1422 NA  
## hostnameTOI-1431 NA  
## hostnameTOI-1452 NA  
## hostnameTOI-1470 NA  
## hostnameTOI-1478 NA  
## hostnameTOI-150 NA  
## hostnameTOI-157 NA  
## hostnameTOI-1601 NA  
## hostnameTOI-163 NA  
## hostnameTOI-1634 NA  
## hostnameTOI-1670 NA  
## hostnameTOI-1685 NA  
## hostnameTOI-169 NA  
## hostnameTOI-1695 NA  
## hostnameTOI-1696 NA  
## hostnameTOI-1710 NA  
## hostnameTOI-172 NA  
## hostnameTOI-1728 NA  
## hostnameTOI-1759 NA  
## hostnameTOI-1807 NA  
## hostnameTOI-181 NA  
## hostnameTOI-1811 NA  
## hostnameTOI-1820 NA  
## hostnameTOI-1859 NA  
## hostnameTOI-1899 NA  
## hostnameTOI-1937 A NA  
## hostnameTOI-2000 NA  
## hostnameTOI-201 NA  
## hostnameTOI-2025 NA  
## hostnameTOI-2096 NA  
## hostnameTOI-2136 NA  
## hostnameTOI-2145 NA  
## hostnameTOI-2152 NA  
## hostnameTOI-2154 NA  
## hostnameTOI-2158 NA  
## hostnameTOI-216 NA  
## hostnameTOI-2180 NA  
## hostnameTOI-2193 A NA  
## hostnameTOI-2196 NA  
## hostnameTOI-220 NA  
## hostnameTOI-2202 NA  
## hostnameTOI-2207 NA  
## hostnameTOI-2236 NA  
## hostnameTOI-2257 NA  
## hostnameTOI-2338 NA  
## hostnameTOI-2364 NA  
## hostnameTOI-237 NA  
## hostnameTOI-2421 NA  
## hostnameTOI-2497 NA  
## hostnameTOI-2498 NA  
## hostnameTOI-2525 NA  
## hostnameTOI-2567 NA  
## hostnameTOI-257 NA  
## hostnameTOI-2570 NA  
## hostnameTOI-2583 A NA  
## hostnameTOI-2587 A NA  
## hostnameTOI-2589 NA  
## hostnameTOI-2641 NA  
## hostnameTOI-269 NA  
## hostnameTOI-270 NA  
## hostnameTOI-2796 NA  
## hostnameTOI-2803 A NA  
## hostnameTOI-2818 NA  
## hostnameTOI-2842 NA  
## hostnameTOI-3023 NA  
## hostnameTOI-3235 NA  
## hostnameTOI-332 NA  
## hostnameTOI-3331 A NA  
## hostnameTOI-3362 NA  
## hostnameTOI-3364 NA  
## hostnameTOI-3629 NA  
## hostnameTOI-3688 A NA  
## hostnameTOI-3693 NA  
## hostnameTOI-3714 NA  
## hostnameTOI-3757 NA  
## hostnameTOI-3785 NA  
## hostnameTOI-3807 NA  
## hostnameTOI-3819 NA  
## hostnameTOI-3884 NA  
## hostnameTOI-3912 NA  
## hostnameTOI-3976 A NA  
## hostnameTOI-3984 A NA  
## hostnameTOI-4010 NA  
## hostnameTOI-4087 NA  
## hostnameTOI-4127 NA  
## hostnameTOI-4137 NA  
## hostnameTOI-4145 A NA  
## hostnameTOI-421 NA  
## hostnameTOI-431 NA  
## hostnameTOI-4406 NA  
## hostnameTOI-4463 A NA  
## hostnameTOI-451 NA  
## hostnameTOI-4562 NA  
## hostnameTOI-4603 NA  
## hostnameTOI-4791 NA  
## hostnameTOI-481 NA  
## hostnameTOI-4860 NA  
## hostnameTOI-500 NA  
## hostnameTOI-5153 NA  
## hostnameTOI-519 NA  
## hostnameTOI-5205 NA  
## hostnameTOI-5293 A NA  
## hostnameTOI-530 NA  
## hostnameTOI-532 NA  
## hostnameTOI-540 NA  
## hostnameTOI-5542 NA  
## hostnameTOI-558 NA  
## hostnameTOI-559 NA  
## hostnameTOI-561 NA  
## hostnameTOI-564 NA  
## hostnameTOI-5678 NA  
## hostnameTOI-615 NA  
## hostnameTOI-620 NA  
## hostnameTOI-622 NA  
## hostnameTOI-628 NA  
## hostnameTOI-640 NA  
## hostnameTOI-674 NA  
## hostnameTOI-677 NA  
## hostnameTOI-700 NA  
## hostnameTOI-712 NA  
## hostnameTOI-733 NA  
## hostnameTOI-763 NA  
## hostnameTOI-776 NA  
## hostnameTOI-778 NA  
## hostnameTOI-813 NA  
## hostnameTOI-836 NA  
## hostnameTOI-849 NA  
## hostnameTOI-892 NA  
## hostnameTOI-905 NA  
## hostnameTOI-908 NA  
## hostnameTOI-954 NA  
## hostnameTOI-969 NA  
## hostnameTRAPPIST-1 NA  
## hostnameTrES-1 NA  
## hostnameTrES-2 NA  
## hostnameTrES-3 NA  
## hostnameTrES-4 NA  
## hostnameTrES-5 NA  
## hostnameTYC 0434-04538-1 NA  
## hostnameTYC 1422-614-1 NA  
## hostnameTYC 2187-512-1 NA  
## hostnameTYC 3318-01333-1 NA  
## hostnameTYC 3667-1280-1 NA  
## hostnameTYC 4282-00605-1 NA  
## hostnameups And NA  
## hostnameups Leo NA  
## hostnameV0391 Peg NA  
## hostnameV1298 Tau NA  
## hostnameWASP-1 NA  
## hostnameWASP-10 NA  
## hostnameWASP-100 NA  
## hostnameWASP-101 NA  
## hostnameWASP-103 NA  
## hostnameWASP-104 NA  
## hostnameWASP-105 NA  
## hostnameWASP-106 NA  
## hostnameWASP-107 NA  
## hostnameWASP-11 NA  
## hostnameWASP-113 NA  
## hostnameWASP-114 NA  
## hostnameWASP-117 NA  
## hostnameWASP-118 NA  
## hostnameWASP-119 NA  
## hostnameWASP-12 NA  
## hostnameWASP-120 NA  
## hostnameWASP-121 NA  
## hostnameWASP-123 NA  
## hostnameWASP-124 NA  
## hostnameWASP-126 NA  
## hostnameWASP-127 NA  
## hostnameWASP-129 NA  
## hostnameWASP-13 NA  
## hostnameWASP-130 NA  
## hostnameWASP-131 NA  
## hostnameWASP-132 NA  
## hostnameWASP-133 NA  
## hostnameWASP-135 NA  
## hostnameWASP-139 NA  
## hostnameWASP-14 NA  
## hostnameWASP-140 NA  
## hostnameWASP-141 NA  
## hostnameWASP-142 NA  
## hostnameWASP-144 NA  
## hostnameWASP-145 A NA  
## hostnameWASP-147 NA  
## hostnameWASP-148 NA  
## hostnameWASP-15 NA  
## hostnameWASP-150 NA  
## hostnameWASP-151 NA  
## hostnameWASP-153 NA  
## hostnameWASP-156 NA  
## hostnameWASP-157 NA  
## hostnameWASP-158 NA  
## hostnameWASP-159 NA  
## hostnameWASP-16 NA  
## hostnameWASP-160 B NA  
## hostnameWASP-162 NA  
## hostnameWASP-164 NA  
## hostnameWASP-165 NA  
## hostnameWASP-166 NA  
## hostnameWASP-168 NA  
## hostnameWASP-169 NA  
## hostnameWASP-17 NA  
## hostnameWASP-171 NA  
## hostnameWASP-172 NA  
## hostnameWASP-173 A NA  
## hostnameWASP-174 NA  
## hostnameWASP-175 NA  
## hostnameWASP-176 NA  
## hostnameWASP-178 NA  
## hostnameWASP-18 NA  
## hostnameWASP-180 A NA  
## hostnameWASP-182 NA  
## hostnameWASP-184 NA  
## hostnameWASP-185 NA  
## hostnameWASP-186 NA  
## hostnameWASP-187 NA  
## hostnameWASP-189 NA  
## hostnameWASP-19 NA  
## hostnameWASP-190 NA  
## hostnameWASP-192 NA  
## hostnameWASP-193 NA  
## hostnameWASP-2 NA  
## hostnameWASP-20 NA  
## hostnameWASP-21 NA  
## hostnameWASP-22 NA  
## hostnameWASP-23 NA  
## hostnameWASP-24 NA  
## hostnameWASP-25 NA  
## hostnameWASP-26 NA  
## hostnameWASP-28 NA  
## hostnameWASP-29 NA  
## hostnameWASP-3 NA  
## hostnameWASP-31 NA  
## hostnameWASP-32 NA  
## hostnameWASP-33 NA  
## hostnameWASP-34 NA  
## hostnameWASP-35 NA  
## hostnameWASP-36 NA  
## hostnameWASP-37 NA  
## hostnameWASP-38 NA  
## hostnameWASP-39 NA  
## hostnameWASP-4 NA  
## hostnameWASP-41 NA  
## hostnameWASP-42 NA  
## hostnameWASP-43 NA  
## hostnameWASP-44 NA  
## hostnameWASP-45 NA  
## hostnameWASP-46 NA  
## hostnameWASP-47 NA  
## hostnameWASP-48 NA  
## hostnameWASP-49 NA  
## hostnameWASP-5 NA  
## hostnameWASP-50 NA  
## hostnameWASP-52 NA  
## hostnameWASP-53 NA  
## hostnameWASP-54 NA  
## hostnameWASP-55 NA  
## hostnameWASP-56 NA  
## hostnameWASP-57 NA  
## hostnameWASP-58 NA  
## hostnameWASP-59 NA  
## hostnameWASP-6 NA  
## hostnameWASP-60 NA  
## hostnameWASP-61 NA  
## hostnameWASP-62 NA  
## hostnameWASP-63 NA  
## hostnameWASP-64 NA  
## hostnameWASP-65 NA  
## hostnameWASP-66 NA  
## hostnameWASP-67 NA  
## hostnameWASP-68 NA  
## hostnameWASP-69 NA  
## hostnameWASP-7 NA  
## hostnameWASP-70 A NA  
## hostnameWASP-71 NA  
## hostnameWASP-72 NA  
## hostnameWASP-73 NA  
## hostnameWASP-74 NA  
## hostnameWASP-75 NA  
## hostnameWASP-76 NA  
## hostnameWASP-77 A NA  
## hostnameWASP-78 NA  
## hostnameWASP-79 NA  
## hostnameWASP-8 NA  
## hostnameWASP-80 NA  
## hostnameWASP-81 NA  
## hostnameWASP-82 NA  
## hostnameWASP-83 NA  
## hostnameWASP-84 NA  
## hostnameWASP-85 A NA  
## hostnameWASP-87 NA  
## hostnameWASP-88 NA  
## hostnameWASP-89 NA  
## hostnameWASP-90 NA  
## hostnameWASP-91 NA  
## hostnameWASP-92 NA  
## hostnameWASP-93 NA  
## hostnameWASP-94 A NA  
## hostnameWASP-94 B NA  
## hostnameWASP-95 NA  
## hostnameWASP-96 NA  
## hostnameWASP-97 NA  
## hostnameWASP-98 NA  
## hostnameWASP-99 NA  
## hostnameWD 1856+534 NA  
## hostnameWendelstein-1 NA  
## hostnameWendelstein-2 NA  
## hostnameWolf 1061 NA  
## hostnameWolf 503 NA  
## hostnameWTS-1 NA  
## hostnameWTS-2 NA  
## hostnamexi Aql NA  
## hostnameXO-1 NA  
## hostnameXO-2 N NA  
## hostnameXO-2 S NA  
## hostnameXO-3 NA  
## hostnameXO-4 NA  
## hostnameXO-5 NA  
## hostnameXO-6 NA  
## hostnameXO-7 NA  
## hostnameYZ Cet NA  
## sy\_snum NA  
## sy\_pnum NA  
## disc\_facilityAnglo-Australian Telescope NA  
## disc\_facilityApache Point Observatory NA  
## disc\_facilityBohyunsan Optical Astronomical Observatory NA  
## disc\_facilityCalar Alto Observatory NA  
## disc\_facilityCerro Tololo Inter-American Observatory NA  
## disc\_facilityCHaracterising ExOPlanets Satellite (CHEOPS) NA  
## disc\_facilityCoRoT NA  
## disc\_facilityEuropean Southern Observatory NA  
## disc\_facilityFred Lawrence Whipple Observatory NA  
## disc\_facilityGemini Observatory NA  
## disc\_facilityHaleakala Observatory NA  
## disc\_facilityHATNet NA  
## disc\_facilityHATSouth NA  
## disc\_facilityHaute-Provence Observatory NA  
## disc\_facilityK2 NA  
## disc\_facilityKELT NA  
## disc\_facilityKELT-North NA  
## disc\_facilityKELT-South NA  
## disc\_facilityKepler NA  
## disc\_facilityKitt Peak National Observatory NA  
## disc\_facilityKOINet NA  
## disc\_facilityLa Silla Observatory NA  
## disc\_facilityLas Campanas Observatory NA  
## disc\_facilityLeoncito Astronomical Complex NA  
## disc\_facilityLick Observatory NA  
## disc\_facilityLowell Observatory NA  
## disc\_facilityMcDonald Observatory NA  
## disc\_facilityMEarth Project NA  
## disc\_facilityMultiple Facilities NA  
## disc\_facilityMultiple Observatories NA  
## disc\_facilityNext-Generation Transit Survey (NGTS) NA  
## disc\_facilityOGLE NA  
## disc\_facilityOkayama Astrophysical Observatory NA  
## disc\_facilityParanal Observatory NA  
## disc\_facilityQatar NA  
## disc\_facilityRoque de los Muchachos Observatory NA  
## disc\_facilitySpitzer Space Telescope NA  
## disc\_facilitySubaru Telescope NA  
## disc\_facilitySuperWASP NA  
## disc\_facilitySuperWASP-North NA  
## disc\_facilitySuperWASP-South NA  
## disc\_facilityThueringer Landessternwarte Tautenburg NA  
## disc\_facilityTransiting Exoplanet Survey Satellite (TESS) NA  
## disc\_facilityTrES NA  
## disc\_facilityUnited Kingdom Infrared Telescope NA  
## disc\_facilityUniversity of Canterbury Mt John Observatory NA  
## disc\_facilityVery Long Baseline Array NA  
## disc\_facilityW. M. Keck Observatory NA  
## disc\_facilityWASP-South NA  
## disc\_facilityXinglong Station NA  
## disc\_facilityXO NA  
## disc\_telescope0.10 m Schmidt Telescope NA  
## disc\_telescope0.18 m Takahashi Epsilon Astrograph NA  
## disc\_telescope0.27 m CoRoT Telescope NA  
## disc\_telescope0.3 m Ritchey-Chretien Telescope NA  
## disc\_telescope0.4 m MEarth Telescope NA  
## disc\_telescope0.6 m Coude Auxiliary Telescope NA  
## disc\_telescope0.60 m Transiting Planets and Planetesimals Small Telescope NA  
## disc\_telescope0.85 m Spitzer Space Telescope NA  
## disc\_telescope0.9 m KPNO Coude Feed Telescope NA  
## disc\_telescope0.95 m Kepler Telescope NA  
## disc\_telescope1.0 m McLellan telescope NA  
## disc\_telescope1.2 m Leonhard Euler Telescope NA  
## disc\_telescope1.3 m Warsaw University Telescope NA  
## disc\_telescope1.4 m CAT Telescope NA  
## disc\_telescope1.5 m SMARTS telescope NA  
## disc\_telescope1.5 m Tillinghast Reflector Telescope NA  
## disc\_telescope1.52 m ESO Telescope NA  
## disc\_telescope1.8 m Telescope NA  
## disc\_telescope1.8-m Ritchey-Chretien Telescope NA  
## disc\_telescope1.88 m Telescope NA  
## disc\_telescope1.93 m Telescope NA  
## disc\_telescope10 m Keck I Telescope NA  
## disc\_telescope10 m Keck II Telescope NA  
## disc\_telescope2.0 m Alfred Jensch Telescope NA  
## disc\_telescope2.15 m Jorge Sahade Telescope NA  
## disc\_telescope2.16 m Telescope NA  
## disc\_telescope2.2 m MPG/ESO Telescope NA  
## disc\_telescope2.4 m Automated Planet Finder Telescope NA  
## disc\_telescope2.5m Sloan Digital Sky Survey (SDSS) Telescope NA  
## disc\_telescope2.7 m Harlan J. Smith Telescope NA  
## disc\_telescope2.7m Harlan J. Smith Telescope NA  
## disc\_telescope20 cm Telescope NA  
## disc\_telescope279mm RASA-11 wide-field telescope NA  
## disc\_telescope3.0 m C. Donald Shane Telescope NA  
## disc\_telescope3.5 m telescope NA  
## disc\_telescope3.58 m Telescopio Nazionale Galileo NA  
## disc\_telescope3.6 m ESO Telescope NA  
## disc\_telescope3.8 m United Kingdom Infrared Telescope NA  
## disc\_telescope3.9 m Anglo-Australian Telescope NA  
## disc\_telescope4.3 m Lowell Discovery Telescope NA  
## disc\_telescope6.5 m Magellan II Clay Telescope NA  
## disc\_telescope8.19 m Gemini North Telescope NA  
## disc\_telescope8.19 m Gemini South Telescope NA  
## disc\_telescope8.2 m ESO VLT UT3 Melipal Telescope NA  
## disc\_telescope8.2 m ESO VLT UT4 Yepun Telescope NA  
## disc\_telescope8.2 m Subaru Telescope NA  
## disc\_telescope9.2 m Hobby-Eberly Telescope NA  
## disc\_telescopeCanon 200mm f/1.8L NA  
## disc\_telescopeCanon 400mm f/2.8L NA  
## disc\_telescopeCoude Auxiliary Telescope NA  
## disc\_telescopeMamiya 645 80mm f/1.9 NA  
## disc\_telescopeMEarth-South telescope array NA  
## disc\_telescopeMultiple Telescopes NA  
## disc\_telescopeNGTS telescopes NA  
## disc\_telescopeRowe-Ackermann Schmidt Astrograph telescope NA  
## disc\_telescopeVery Large Telescope (Antu) NA  
## pl\_orbper NA  
## pl\_orbsmax NA  
## pl\_rade NA  
## pl\_radj NA  
## pl\_bmasse NA  
## pl\_bmassj NA  
## pl\_bmassprovMass NA  
## pl\_bmassprovMsin(i)/sin(i) NA  
## pl\_bmassprovMsini NA  
## pl\_dens NA  
## pl\_orbeccen NA  
## ttv\_flag1 NA  
## st\_teff NA  
## st\_mass NA  
## st\_lum NA  
## st\_logg NA  
## rastr00h01m26.90s NA  
## rastr00h03m05.88s NA  
## rastr00h04m11.18s NA  
## rastr00h06m20.08s NA  
## rastr00h08m17.50s NA  
## rastr00h08m59.83s NA  
## rastr00h09m52.67s NA  
## rastr00h11m42.63s NA  
## rastr00h15m36.79s NA  
## rastr00h15m50.81s NA  
## rastr00h16m15.22s NA  
## rastr00h16m35.12s NA  
## rastr00h17m47.32s NA  
## rastr00h18m24.73s NA  
## rastr00h18m27.04s NA  
## rastr00h18m42.30s NA  
## rastr00h19m17.15s NA  
## rastr00h19m26.23s NA  
## rastr00h20m31.62s NA  
## rastr00h20m38.53s NA  
## rastr00h20m40.07s NA  
## rastr00h20m52.33s NA  
## rastr00h20m57.06s NA  
## rastr00h21m13.34s NA  
## rastr00h22m28.45s NA  
## rastr00h24m20.43s NA  
## rastr00h26m27.26s NA  
## rastr00h26m48.63s NA  
## rastr00h28m12.94s NA  
## rastr00h28m33.92s NA  
## rastr00h29m18.94s NA  
## rastr00h29m59.76s NA  
## rastr00h30m50.29s NA  
## rastr00h33m10.52s NA  
## rastr00h34m57.64s NA  
## rastr00h37m50.10s NA  
## rastr00h38m03.98s NA  
## rastr00h38m17.53s NA  
## rastr00h39m21.29s NA  
## rastr00h39m59.52s NA  
## rastr00h40m21.39s NA  
## rastr00h40m49.75s NA  
## rastr00h43m12.66s NA  
## rastr00h44m27.01s NA  
## rastr00h44m39.66s NA  
## rastr00h44m41.33s NA  
## rastr00h44m59.67s NA  
## rastr00h45m40.35s NA  
## rastr00h45m55.26s NA  
## rastr00h49m14.04s NA  
## rastr00h49m39.88s NA  
## rastr00h50m11.23s NA  
## rastr00h51m06.30s NA  
## rastr00h51m33.02s NA  
## rastr00h52m00.22s NA  
## rastr00h52m19.21s NA  
## rastr00h55m01.39s NA  
## rastr00h57m56.87s NA  
## rastr00h58m14.26s NA  
## rastr01h00m01.46s NA  
## rastr01h00m33.20s NA  
## rastr01h02m12.45s NA  
## rastr01h02m21.16s NA  
## rastr01h02m37.05s NA  
## rastr01h02m40.50s NA  
## rastr01h04m39.92s NA  
## rastr01h05m51.00s NA  
## rastr01h06m02.28s NA  
## rastr01h07m06.89s NA  
## rastr01h07m48.86s NA  
## rastr01h09m53.94s NA  
## rastr01h10m47.50s NA  
## rastr01h12m11.64s NA  
## rastr01h12m31.94s NA  
## rastr01h13m58.88s NA  
## rastr01h14m29.15s NA  
## rastr01h14m34.38s NA  
## rastr01h15m58.87s NA  
## rastr01h17m47.85s NA  
## rastr01h18m12.14s NA  
## rastr01h18m26.43s NA  
## rastr01h20m39.84s NA  
## rastr01h20m51.56s NA  
## rastr01h21m45.22s NA  
## rastr01h21m58.96s NA  
## rastr01h22m07.55s NA  
## rastr01h23m37.32s NA  
## rastr01h24m15.63s NA  
## rastr01h25m12.81s NA  
## rastr01h26m09.08s NA  
## rastr01h27m29.06s NA  
## rastr01h27m41.22s NA  
## rastr01h29m46.99s NA  
## rastr01h30m01.04s NA  
## rastr01h33m20.41s NA  
## rastr01h34m05.15s NA  
## rastr01h34m22.42s NA  
## rastr01h35m51.28s NA  
## rastr01h36m40.29s NA  
## rastr01h36m47.60s NA  
## rastr01h37m25.07s NA  
## rastr01h37m53.55s NA  
## rastr01h38m25.23s NA  
## rastr01h41m53.17s NA  
## rastr01h42m29.60s NA  
## rastr01h43m40.88s NA  
## rastr01h44m02.23s NA  
## rastr01h44m55.78s NA  
## rastr01h45m21.35s NA  
## rastr01h46m31.90s NA  
## rastr01h48m21.15s NA  
## rastr01h48m39.07s NA  
## rastr01h49m37.86s NA  
## rastr01h50m06.53s NA  
## rastr01h52m50.56s NA  
## rastr01h53m06.01s NA  
## rastr01h53m07.82s NA  
## rastr01h54m51.79s NA  
## rastr01h54m56.34s NA  
## rastr01h57m03.23s NA  
## rastr01h57m09.22s NA  
## rastr01h58m49.88s NA  
## rastr02h00m09.40s NA  
## rastr02h00m14.12s NA  
## rastr02h02m26.77s NA  
## rastr02h03m37.20s NA  
## rastr02h04m10.26s NA  
## rastr02h04m34.16s NA  
## rastr02h07m38.20s NA  
## rastr02h08m13.83s NA  
## rastr02h09m11.46s NA  
## rastr02h09m40.18s NA  
## rastr02h10m29.39s NA  
## rastr02h11m07.70s NA  
## rastr02h11m47.29s NA  
## rastr02h12m20.63s NA  
## rastr02h12m31.46s NA  
## rastr02h12m36.96s NA  
## rastr02h12m42.74s NA  
## rastr02h13m12.58s NA  
## rastr02h16m47.52s NA  
## rastr02h17m10.40s NA  
## rastr02h18m14.62s NA  
## rastr02h18m59.54s NA  
## rastr02h21m32.04s NA  
## rastr02h22m14.98s NA  
## rastr02h23m14.04s NA  
## rastr02h26m51.06s NA  
## rastr02h27m06.19s NA  
## rastr02h27m28.29s NA  
## rastr02h28m37.33s NA  
## rastr02h32m09.40s NA  
## rastr02h32m29.03s NA  
## rastr02h33m05.10s NA  
## rastr02h33m26.78s NA  
## rastr02h33m28.60s NA  
## rastr02h35m19.77s NA  
## rastr02h36m57.91s NA  
## rastr02h36m58.58s NA  
## rastr02h37m01.86s NA  
## rastr02h37m07.76s NA  
## rastr02h37m41.85s NA  
## rastr02h37m43.14s NA  
## rastr02h39m35.44s NA  
## rastr02h40m03.27s NA  
## rastr02h42m34.01s NA  
## rastr02h42m50.47s NA  
## rastr02h42m58.21s NA  
## rastr02h44m09.62s NA  
## rastr02h46m22.18s NA  
## rastr02h46m43.22s NA  
## rastr02h48m59.45s NA  
## rastr02h49m09.96s NA  
## rastr02h49m44.79s NA  
## rastr02h50m53.22s NA  
## rastr02h51m04.44s NA  
## rastr02h51m56.39s NA  
## rastr02h53m04.59s NA  
## rastr02h53m27.27s NA  
## rastr02h54m45.14s NA  
## rastr02h55m39.37s NA  
## rastr02h57m02.88s NA  
## rastr03h00m10.63s NA  
## rastr03h01m50.99s NA  
## rastr03h02m19.82s NA  
## rastr03h02m33.75s NA  
## rastr03h05m10.23s NA  
## rastr03h06m07.64s NA  
## rastr03h07m16.47s NA  
## rastr03h07m38.16s NA  
## rastr03h09m28.55s NA  
## rastr03h09m32.20s NA  
## rastr03h10m04.14s NA  
## rastr03h11m14.23s NA  
## rastr03h12m46.64s NA  
## rastr03h13m44.51s NA  
## rastr03h15m07.52s NA  
## rastr03h16m42.75s NA  
## rastr03h18m14.92s NA  
## rastr03h19m59.94s NA  
## rastr03h20m03.35s NA  
## rastr03h20m03.99s NA  
## rastr03h20m43.06s NA  
## rastr03h23m17.70s NA  
## rastr03h24m54.82s NA  
## rastr03h26m11.38s NA  
## rastr03h27m00.05s NA  
## rastr03h27m12.97s NA  
## rastr03h29m22.09s NA  
## rastr03h31m16.33s NA  
## rastr03h32m38.26s NA  
## rastr03h32m54.82s NA  
## rastr03h34m36.27s NA  
## rastr03h35m15.56s NA  
## rastr03h36m00.78s NA  
## rastr03h39m00.35s NA  
## rastr03h39m16.69s NA  
## rastr03h39m23.79s NA  
## rastr03h39m42.77s NA  
## rastr03h40m49.57s NA  
## rastr03h41m01.42s NA  
## rastr03h41m50.17s NA  
## rastr03h43m44.07s NA  
## rastr03h45m01.52s NA  
## rastr03h45m33.75s NA  
## rastr03h48m00.45s NA  
## rastr03h48m16.11s NA  
## rastr03h49m56.51s NA  
## rastr03h50m23.09s NA  
## rastr03h50m37.73s NA  
## rastr03h53m03.34s NA  
## rastr03h53m42.96s NA  
## rastr03h55m49.79s NA  
## rastr03h56m36.24s NA  
## rastr03h56m36.66s NA  
## rastr03h57m44.05s NA  
## rastr03h57m51.56s NA  
## rastr03h59m33.67s NA  
## rastr03h59m36.33s NA  
## rastr04h01m32.53s NA  
## rastr04h03m37.80s NA  
## rastr04h03m47.59s NA  
## rastr04h03m47.85s NA  
## rastr04h04m22.73s NA  
## rastr04h05m19.60s NA  
## rastr04h06m34.90s NA  
## rastr04h06m37.87s NA  
## rastr04h07m01.36s NA  
## rastr04h07m45.85s NA  
## rastr04h09m17.48s NA  
## rastr04h09m38.93s NA  
## rastr04h10m27.86s NA  
## rastr04h10m40.90s NA  
## rastr04h11m51.93s NA  
## rastr04h12m52.38s NA  
## rastr04h13m05.74s NA  
## rastr04h13m29.93s NA  
## rastr04h15m01.50s NA  
## rastr04h16m28.93s NA  
## rastr04h16m45.65s NA  
## rastr04h17m02.35s NA  
## rastr04h19m45.41s NA  
## rastr04h20m47.42s NA  
## rastr04h20m57.19s NA  
## rastr04h21m05.61s NA  
## rastr04h21m07.36s NA  
## rastr04h21m52.70s NA  
## rastr04h24m50.60s NA  
## rastr04h24m59.55s NA  
## rastr04h25m29.02s NA  
## rastr04h26m26.41s NA  
## rastr04h26m48.78s NA  
## rastr04h26m49.64s NA  
## rastr04h28m35.63s NA  
## rastr04h28m37.12s NA  
## rastr04h28m53.48s NA  
## rastr04h29m39.09s NA  
## rastr04h29m40.46s NA  
## rastr04h31m25.46s NA  
## rastr04h32m04.93s NA  
## rastr04h32m32.76s NA  
## rastr04h32m42.96s NA  
## rastr04h33m33.68s NA  
## rastr04h33m39.86s NA  
## rastr04h34m22.55s NA  
## rastr04h35m23.16s NA  
## rastr04h35m50.36s NA  
## rastr04h35m53.85s NA  
## rastr04h37m36.18s NA  
## rastr04h37m52.35s NA  
## rastr04h38m12.56s NA  
## rastr04h41m21.54s NA  
## rastr04h41m43.75s NA  
## rastr04h41m54.50s NA  
## rastr04h42m05.20s NA  
## rastr04h42m56.49s NA  
## rastr04h44m06.76s NA  
## rastr04h47m17.86s NA  
## rastr04h48m28.76s NA  
## rastr04h48m36.71s NA  
## rastr04h50m17.88s NA  
## rastr04h50m38.54s NA  
## rastr04h50m46.56s NA  
## rastr04h51m36.14s NA  
## rastr04h52m05.89s NA  
## rastr04h53m25.27s NA  
## rastr04h53m50.42s NA  
## rastr04h54m43.75s NA  
## rastr04h54m48.35s NA  
## rastr04h55m04.03s NA  
## rastr04h55m38.31s NA  
## rastr04h55m55.20s NA  
## rastr04h58m01.05s NA  
## rastr04h58m12.56s NA  
## rastr05h01m11.92s NA  
## rastr05h01m55.24s NA  
## rastr05h03m10.89s NA  
## rastr05h03m23.11s NA  
## rastr05h04m19.65s NA  
## rastr05h05m14.33s NA  
## rastr05h05m47.03s NA  
## rastr05h07m28.16s NA  
## rastr05h07m35.53s NA  
## rastr05h07m55.68s NA  
## rastr05h08m01.08s NA  
## rastr05h09m36.90s NA  
## rastr05h10m27.09s NA  
## rastr05h11m50.08s NA  
## rastr05h12m36.14s NA  
## rastr05h13m10.94s NA  
## rastr05h15m47.31s NA  
## rastr05h16m33.79s NA  
## rastr05h17m40.98s NA  
## rastr05h19m04.38s NA  
## rastr05h22m09.18s NA  
## rastr05h22m33.10s NA  
## rastr05h23m21.60s NA  
## rastr05h25m22.70s NA  
## rastr05h27m04.78s NA  
## rastr05h27m24.79s NA  
## rastr05h30m51.41s NA  
## rastr05h31m33.28s NA  
## rastr05h33m04.62s NA  
## rastr05h35m27.82s NA  
## rastr05h36m36.65s NA  
## rastr05h37m02.40s NA  
## rastr05h37m02.53s NA  
## rastr05h37m11.83s NA  
## rastr05h37m18.42s NA  
## rastr05h39m43.68s NA  
## rastr05h40m01.78s NA  
## rastr05h40m19.21s NA  
## rastr05h44m30.98s NA  
## rastr05h46m34.83s NA  
## rastr05h46m57.17s NA  
## rastr05h47m06.27s NA  
## rastr05h47m17.10s NA  
## rastr05h47m24.23s NA  
## rastr05h47m59.12s NA  
## rastr05h48m33.56s NA  
## rastr05h48m45.13s NA  
## rastr05h49m36.43s NA  
## rastr05h50m43.09s NA  
## rastr05h52m35.23s NA  
## rastr05h53m00.28s NA  
## rastr05h54m04.13s NA  
## rastr05h54m30.26s NA  
## rastr05h56m31.21s NA  
## rastr05h58m23.73s NA  
## rastr06h00m15.02s NA  
## rastr06h04m00.87s NA  
## rastr06h04m21.53s NA  
## rastr06h04m21.60s NA  
## rastr06h04m30.08s NA  
## rastr06h06m09.68s NA  
## rastr06h06m39.07s NA  
## rastr06h07m11.93s NA  
## rastr06h07m29.35s NA  
## rastr06h08m31.94s NA  
## rastr06h09m56.51s NA  
## rastr06h10m34.46s NA  
## rastr06h10m39.37s NA  
## rastr06h11m44.67s NA  
## rastr06h12m00.77s NA  
## rastr06h12m27.54s NA  
## rastr06h13m35.84s NA  
## rastr06h16m26.90s NA  
## rastr06h17m08.12s NA  
## rastr06h17m20.73s NA  
## rastr06h19m10.31s NA  
## rastr06h19m16.98s NA  
## rastr06h19m34.71s NA  
## rastr06h20m14.40s NA  
## rastr06h21m39.89s NA  
## rastr06h24m43.68s NA  
## rastr06h25m38.54s NA  
## rastr06h26m58.71s NA  
## rastr06h28m08.06s NA  
## rastr06h28m22.97s NA  
## rastr06h28m45.65s NA  
## rastr06h29m13.41s NA  
## rastr06h30m32.79s NA  
## rastr06h30m47.05s NA  
## rastr06h30m52.90s NA  
## rastr06h32m41.38s NA  
## rastr06h33m12.74s NA  
## rastr06h33m24.26s NA  
## rastr06h36m08.81s NA  
## rastr06h36m41.11s NA  
## rastr06h37m03.13s NA  
## rastr06h37m09.97s NA  
## rastr06h37m40.80s NA  
## rastr06h37m47.75s NA  
## rastr06h38m56.30s NA  
## rastr06h39m35.52s NA  
## rastr06h40m01.77s NA  
## rastr06h42m17.10s NA  
## rastr06h43m03.76s NA  
## rastr06h43m23.52s NA  
## rastr06h43m49.48s NA  
## rastr06h44m12.63s NA  
## rastr06h44m27.58s NA  
## rastr06h44m30.60s NA  
## rastr06h45m06.54s NA  
## rastr06h45m34.75s NA  
## rastr06h47m41.41s NA  
## rastr06h47m58.62s NA  
## rastr06h48m19.17s NA  
## rastr06h48m46.71s NA  
## rastr06h50m53.07s NA  
## rastr06h51m23.38s NA  
## rastr06h51m30.56s NA  
## rastr06h52m01.94s NA  
## rastr06h53m39.08s NA  
## rastr06h53m41.81s NA  
## rastr06h54m04.17s NA  
## rastr06h54m42.79s NA  
## rastr06h54m48.06s NA  
## rastr06h54m51.29s NA  
## rastr07h00m17.91s NA  
## rastr07h01m37.09s NA  
## rastr07h05m42.19s NA  
## rastr07h06m14.18s NA  
## rastr07h09m57.16s NA  
## rastr07h10m24.06s NA  
## rastr07h11m08.33s NA  
## rastr07h11m22.48s NA  
## rastr07h12m04.68s NA  
## rastr07h12m10.61s NA  
## rastr07h12m14.93s NA  
## rastr07h13m12.34s NA  
## rastr07h13m48.58s NA  
## rastr07h15m18.03s NA  
## rastr07h16m10.78s NA  
## rastr07h16m25.09s NA  
## rastr07h17m18.10s NA  
## rastr07h17m33.21s NA  
## rastr07h20m40.44s NA  
## rastr07h21m33.13s NA  
## rastr07h22m03.04s NA  
## rastr07h24m48.60s NA  
## rastr07h27m39.94s NA  
## rastr07h28m02.41s NA  
## rastr07h29m40.61s NA  
## rastr07h31m48.45s NA  
## rastr07h31m51.70s NA  
## rastr07h32m44.22s NA  
## rastr07h34m03.14s NA  
## rastr07h35m01.98s NA  
## rastr07h35m37.26s NA  
## rastr07h37m08.01s NA  
## rastr07h37m09.23s NA  
## rastr07h38m28.84s NA  
## rastr07h39m21.75s NA  
## rastr07h40m32.80s NA  
## rastr07h43m43.61s NA  
## rastr07h44m19.71s NA  
## rastr07h45m28.97s NA  
## rastr07h46m51.93s NA  
## rastr07h47m49.98s NA  
## rastr07h48m06.42s NA  
## rastr07h48m07.43s NA  
## rastr07h49m27.63s NA  
## rastr07h49m39.59s NA  
## rastr07h49m55.05s NA  
## rastr07h51m55.81s NA  
## rastr07h52m15.23s NA  
## rastr07h53m41.03s NA  
## rastr07h53m55.96s NA  
## rastr07h54m10.54s NA  
## rastr07h56m14.36s NA  
## rastr07h59m05.64s NA  
## rastr08h02m15.91s NA  
## rastr08h02m22.47s NA  
## rastr08h02m26.80s NA  
## rastr08h03m28.60s NA  
## rastr08h05m23.39s NA  
## rastr08h07m27.18s NA  
## rastr08h07m39.74s NA  
## rastr08h13m00.17s NA  
## rastr08h13m31.64s NA  
## rastr08h13m34.14s NA  
## rastr08h14m13.20s NA  
## rastr08h15m47.96s NA  
## rastr08h16m30.87s NA  
## rastr08h18m07.89s NA  
## rastr08h18m22.45s NA  
## rastr08h18m24.24s NA  
## rastr08h18m25.62s NA  
## rastr08h21m13.21s NA  
## rastr08h21m27.87s NA  
## rastr08h22m49.90s NA  
## rastr08h25m44.10s NA  
## rastr08h25m51.45s NA  
## rastr08h25m54.29s NA  
## rastr08h25m57.17s NA  
## rastr08h26m12.84s NA  
## rastr08h27m44.80s NA  
## rastr08h29m32.94s NA  
## rastr08h30m18.89s NA  
## rastr08h31m03.08s NA  
## rastr08h31m31.90s NA  
## rastr08h33m36.68s NA  
## rastr08h34m03.07s NA  
## rastr08h34m38.80s NA  
## rastr08h34m52.69s NA  
## rastr08h35m42.17s NA  
## rastr08h36m17.64s NA  
## rastr08h36m22.80s NA  
## rastr08h37m16.40s NA  
## rastr08h37m27.02s NA  
## rastr08h38m24.26s NA  
## rastr08h38m32.80s NA  
## rastr08h38m43.71s NA  
## rastr08h38m45.19s NA  
## rastr08h39m15.68s NA  
## rastr08h39m31.77s NA  
## rastr08h40m06.41s NA  
## rastr08h40m12.67s NA  
## rastr08h40m17.87s NA  
## rastr08h40m43.21s NA  
## rastr08h40m58.69s NA  
## rastr08h41m10.84s NA  
## rastr08h41m19.60s NA  
## rastr08h41m22.54s NA  
## rastr08h41m38.45s NA  
## rastr08h41m43.78s NA  
## rastr08h42m01.35s NA  
## rastr08h42m11.46s NA  
## rastr08h42m25.15s NA  
## rastr08h43m36.05s NA  
## rastr08h44m25.68s NA  
## rastr08h45m26.00s NA  
## rastr08h46m19.29s NA  
## rastr08h47m40.36s NA  
## rastr08h48m02.37s NA  
## rastr08h48m30.45s NA  
## rastr08h49m12.38s NA  
## rastr08h49m56.81s NA  
## rastr08h52m23.81s NA  
## rastr08h52m35.24s NA  
## rastr08h53m17.83s NA  
## rastr08h53m38.09s NA  
## rastr08h53m50.69s NA  
## rastr08h53m54.77s NA  
## rastr08h54m33.85s NA  
## rastr08h55m07.67s NA  
## rastr08h55m16.88s NA  
## rastr08h55m25.38s NA  
## rastr08h57m46.59s NA  
## rastr09h01m12.54s NA  
## rastr09h01m22.65s NA  
## rastr09h06m17.81s NA  
## rastr09h09m48.84s NA  
## rastr09h11m58.67s NA  
## rastr09h12m24.52s NA  
## rastr09h14m22.00s NA  
## rastr09h15m09.26s NA  
## rastr09h16m27.02s NA  
## rastr09h19m43.96s NA  
## rastr09h20m21.02s NA  
## rastr09h20m24.71s NA  
## rastr09h21m21.38s NA  
## rastr09h22m01.52s NA  
## rastr09h22m37.67s NA  
## rastr09h23m09.91s NA  
## rastr09h23m46.92s NA  
## rastr09h27m40.95s NA  
## rastr09h28m39.98s NA  
## rastr09h28m41.63s NA  
## rastr09h34m50.74s NA  
## rastr09h35m45.20s NA  
## rastr09h36m28.65s NA  
## rastr09h37m05.18s NA  
## rastr09h37m09.03s NA  
## rastr09h37m11.86s NA  
## rastr09h38m09.07s NA  
## rastr09h39m30.03s NA  
## rastr09h39m42.45s NA  
## rastr09h44m29.15s NA  
## rastr09h45m35.30s NA  
## rastr09h50m02.54s NA  
## rastr09h50m19.22s NA  
## rastr09h51m07.71s NA  
## rastr09h52m44.44s NA  
## rastr09h52m45.57s NA  
## rastr09h53m40.02s NA  
## rastr09h54m34.35s NA  
## rastr09h55m42.16s NA  
## rastr09h56m05.85s NA  
## rastr09h56m07.98s NA  
## rastr09h56m29.64s NA  
## rastr09h56m57.82s NA  
## rastr09h59m17.68s NA  
## rastr10h00m47.33s NA  
## rastr10h01m37.60s NA  
## rastr10h02m17.43s NA  
## rastr10h02m20.77s NA  
## rastr10h06m28.49s NA  
## rastr10h06m40.69s NA  
## rastr10h08m43.06s NA  
## rastr10h08m52.38s NA  
## rastr10h09m23.22s NA  
## rastr10h10m07.66s NA  
## rastr10h14m50.18s NA  
## rastr10h16m44.83s NA  
## rastr10h17m05.05s NA  
## rastr10h17m06.67s NA  
## rastr10h18m21.00s NA  
## rastr10h18m34.78s NA  
## rastr10h18m41.06s NA  
## rastr10h19m37.96s NA  
## rastr10h20m40.53s NA  
## rastr10h22m10.40s NA  
## rastr10h22m25.89s NA  
## rastr10h22m43.55s NA  
## rastr10h23m28.44s NA  
## rastr10h23m55.23s NA  
## rastr10h23m56.19s NA  
## rastr10h26m59.34s NA  
## rastr10h28m15.03s NA  
## rastr10h28m34.58s NA  
## rastr10h29m38.96s NA  
## rastr10h31m44.56s NA  
## rastr10h32m54.01s NA  
## rastr10h37m21.89s NA  
## rastr10h37m38.24s NA  
## rastr10h40m14.36s NA  
## rastr10h42m14.10s NA  
## rastr10h42m24.57s NA  
## rastr10h42m48.51s NA  
## rastr10h42m59.54s NA  
## rastr10h44m20.80s NA  
## rastr10h46m15.05s NA  
## rastr10h46m42.70s NA  
## rastr10h46m49.66s NA  
## rastr10h47m38.17s NA  
## rastr10h50m34.58s NA  
## rastr10h52m07.75s NA  
## rastr10h53m17.79s NA  
## rastr10h55m53.92s NA  
## rastr10h57m15.03s NA  
## rastr10h57m23.79s NA  
## rastr10h58m20.77s NA  
## rastr10h58m28.59s NA  
## rastr10h58m34.40s NA  
## rastr10h58m47.70s NA  
## rastr10h59m25.52s NA  
## rastr10h59m27.54s NA  
## rastr10h59m35.07s NA  
## rastr11h00m40.13s NA  
## rastr11h01m15.80s NA  
## rastr11h01m35.85s NA  
## rastr11h02m45.72s NA  
## rastr11h03m27.81s NA  
## rastr11h04m44.48s NA  
## rastr11h05m15.02s NA  
## rastr11h05m16.51s NA  
## rastr11h05m17.56s NA  
## rastr11h05m43.11s NA  
## rastr11h05m45.96s NA  
## rastr11h07m27.44s NA  
## rastr11h07m53.82s NA  
## rastr11h09m18.70s NA  
## rastr11h10m13.09s NA  
## rastr11h10m23.19s NA  
## rastr11h10m25.97s NA  
## rastr11h11m05.88s NA  
## rastr11h13m10.30s NA  
## rastr11h14m15.33s NA  
## rastr11h14m33.04s NA  
## rastr11h15m55.45s NA  
## rastr11h16m28.09s NA  
## rastr11h17m45.33s NA  
## rastr11h17m47.41s NA  
## rastr11h17m47.76s NA  
## rastr11h18m31.86s NA  
## rastr11h20m24.74s NA  
## rastr11h20m33.81s NA  
## rastr11h20m51.54s NA  
## rastr11h21m17.84s NA  
## rastr11h21m49.18s NA  
## rastr11h22m05.45s NA  
## rastr11h24m03.55s NA  
## rastr11h24m17.17s NA  
## rastr11h24m31.29s NA  
## rastr11h25m05.98s NA  
## rastr11h25m56.98s NA  
## rastr11h26m03.64s NA  
## rastr11h26m04.72s NA  
## rastr11h26m45.52s NA  
## rastr11h27m22.81s NA  
## rastr11h28m29.20s NA  
## rastr11h28m30.28s NA  
## rastr11h29m20.49s NA  
## rastr11h30m14.43s NA  
## rastr11h32m46.06s NA  
## rastr11h35m03.69s NA  
## rastr11h35m26.86s NA  
## rastr11h35m49.78s NA  
## rastr11h35m51.51s NA  
## rastr11h36m02.37s NA  
## rastr11h36m48.21s NA  
## rastr11h36m56.93s NA  
## rastr11h38m58.93s NA  
## rastr11h39m50.46s NA  
## rastr11h41m43.83s NA  
## rastr11h42m06.06s NA  
## rastr11h42m12.13s NA  
## rastr11h43m30.15s NA  
## rastr11h43m37.93s NA  
## rastr11h44m40.93s NA  
## rastr11h44m50.33s NA  
## rastr11h44m57.66s NA  
## rastr11h44m59.99s NA  
## rastr11h45m11.77s NA  
## rastr11h45m42.10s NA  
## rastr11h45m55.69s NA  
## rastr11h46m23.53s NA  
## rastr11h46m28.99s NA  
## rastr11h46m30.80s NA  
## rastr11h46m46.60s NA  
## rastr11h46m57.32s NA  
## rastr11h47m45.02s NA  
## rastr11h50m15.53s NA  
## rastr11h50m20.51s NA  
## rastr11h51m22.49s NA  
## rastr11h52m13.65s NA  
## rastr11h52m52.85s NA  
## rastr11h53m19.12s NA  
## rastr11h54m18.72s NA  
## rastr11h56m41.12s NA  
## rastr11h56m55.46s NA  
## rastr11h57m45.19s NA  
## rastr11h58m11.51s NA  
## rastr11h59m10.17s NA  
## rastr12h00m39.62s NA  
## rastr12h00m50.11s NA  
## rastr12h02m11.09s NA  
## rastr12h05m15.79s NA  
## rastr12h06m17.24s NA  
## rastr12h08m39.90s NA  
## rastr12h09m36.51s NA  
## rastr12h10m38.69s NA  
## rastr12h11m00.34s NA  
## rastr12h12m21.27s NA  
## rastr12h13m27.85s NA  
## rastr12h13m29.53s NA  
## rastr12h13m37.18s NA  
## rastr12h13m53.39s NA  
## rastr12h14m15.35s NA  
## rastr12h15m06.30s NA  
## rastr12h19m13.43s NA  
## rastr12h19m23.33s NA  
## rastr12h20m42.91s NA  
## rastr12h21m17.92s NA  
## rastr12h22m58.57s NA  
## rastr12h25m45.84s NA  
## rastr12h25m50.72s NA  
## rastr12h25m56.65s NA  
## rastr12h26m17.78s NA  
## rastr12h27m08.95s NA  
## rastr12h27m29.50s NA  
## rastr12h27m31.00s NA  
## rastr12h30m19.83s NA  
## rastr12h30m27.02s NA  
## rastr12h30m44.81s NA  
## rastr12h32m06.52s NA  
## rastr12h32m32.96s NA  
## rastr12h33m03.89s NA  
## rastr12h33m32.74s NA  
## rastr12h33m35.00s NA  
## rastr12h33m35.38s NA  
## rastr12h35m41.37s NA  
## rastr12h37m16.16s NA  
## rastr12h38m51.22s NA  
## rastr12h39m14.69s NA  
## rastr12h39m15.71s NA  
## rastr12h40m08.78s NA  
## rastr12h40m36.47s NA  
## rastr12h42m28.51s NA  
## rastr12h42m59.10s NA  
## rastr12h46m48.68s NA  
## rastr12h47m55.57s NA  
## rastr12h48m45.50s NA  
## rastr12h48m51.83s NA  
## rastr12h50m21.43s NA  
## rastr12h51m55.49s NA  
## rastr12h53m10.88s NA  
## rastr12h54m12.59s NA  
## rastr12h55m35.72s NA  
## rastr12h56m57.96s NA  
## rastr12h57m31.80s NA  
## rastr12h57m52.34s NA  
## rastr12h58m57.51s NA  
## rastr13h01m26.34s NA  
## rastr13h01m46.52s NA  
## rastr13h03m10.56s NA  
## rastr13h03m55.64s NA  
## rastr13h04m56.14s NA  
## rastr13h07m10.77s NA  
## rastr13h09m16.11s NA  
## rastr13h10m39.65s NA  
## rastr13h11m59.18s NA  
## rastr13h12m02.68s NA  
## rastr13h12m43.64s NA  
## rastr13h12m44.02s NA  
## rastr13h13m33.26s NA  
## rastr13h16m47.09s NA  
## rastr13h16m51.74s NA  
## rastr13h17m20.12s NA  
## rastr13h17m44.10s NA  
## rastr13h18m23.15s NA  
## rastr13h19m12.44s NA  
## rastr13h19m56.49s NA  
## rastr13h20m39.53s NA  
## rastr13h22m32.37s NA  
## rastr13h22m56.05s NA  
## rastr13h24m21.04s NA  
## rastr13h25m07.83s NA  
## rastr13h26m37.24s NA  
## rastr13h26m52.97s NA  
## rastr13h28m25.56s NA  
## rastr13h29m20.85s NA  
## rastr13h30m00.97s NA  
## rastr13h30m25.22s NA  
## rastr13h32m25.44s NA  
## rastr13h32m25.59s NA  
## rastr13h34m02.39s NA  
## rastr13h34m11.21s NA  
## rastr13h35m01.97s NA  
## rastr13h36m34.05s NA  
## rastr13h36m53.16s NA  
## rastr13h37m45.04s NA  
## rastr13h38m48.14s NA  
## rastr13h41m30.21s NA  
## rastr13h41m49.02s NA  
## rastr13h42m38.88s NA  
## rastr13h44m22.56s NA  
## rastr13h46m56.59s NA  
## rastr13h47m15.23s NA  
## rastr13h47m23.09s NA  
## rastr13h48m18.79s NA  
## rastr13h49m23.94s NA  
## rastr13h49m53.72s NA  
## rastr13h50m19.40s NA  
## rastr13h50m37.32s NA  
## rastr13h51m37.84s NA  
## rastr13h53m51.69s NA  
## rastr13h55m05.70s NA  
## rastr13h55m25.62s NA  
## rastr13h55m36.35s NA  
## rastr13h55m42.72s NA  
## rastr13h57m16.78s NA  
## rastr13h57m33.27s NA  
## rastr13h58m04.08s NA  
## rastr14h00m46.46s NA  
## rastr14h01m02.33s NA  
## rastr14h08m10.11s NA  
## rastr14h11m16.97s NA  
## rastr14h12m34.53s NA  
## rastr14h12m37.57s NA  
## rastr14h16m14.30s NA  
## rastr14h18m09.30s NA  
## rastr14h18m43.92s NA  
## rastr14h20m29.46s NA  
## rastr14h20m53.45s NA  
## rastr14h21m22.42s NA  
## rastr14h23m12.36s NA  
## rastr14h26m05.72s NA  
## rastr14h26m35.38s NA  
## rastr14h26m48.12s NA  
## rastr14h27m32.46s NA  
## rastr14h27m41.64s NA  
## rastr14h28m37.33s NA  
## rastr14h29m18.40s NA  
## rastr14h29m18.50s NA  
## rastr14h29m34.43s NA  
## rastr14h30m26.21s NA  
## rastr14h30m44.37s NA  
## rastr14h31m42.19s NA  
## rastr14h32m51.79s NA  
## rastr14h33m06.39s NA  
## rastr14h34m16.44s NA  
## rastr14h36m00.78s NA  
## rastr14h37m04.87s NA  
## rastr14h44m13.98s NA  
## rastr14h46m02.50s NA  
## rastr14h47m32.59s NA  
## rastr14h47m46.53s NA  
## rastr14h48m50.42s NA  
## rastr14h51m04.16s NA  
## rastr14h53m23.08s NA  
## rastr14h54m38.09s NA  
## rastr14h55m16.79s NA  
## rastr14h56m48.40s NA  
## rastr14h56m54.63s NA  
## rastr14h57m25.44s NA  
## rastr14h58m21.43s NA  
## rastr14h59m29.49s NA  
## rastr15h00m19.17s NA  
## rastr15h02m44.82s NA  
## rastr15h03m35.63s NA  
## rastr15h03m35.99s NA  
## rastr15h05m20.92s NA  
## rastr15h08m51.72s NA  
## rastr15h09m04.88s NA  
## rastr15h10m07.72s NA  
## rastr15h10m38.08s NA  
## rastr15h10m44.34s NA  
## rastr15h12m59.58s NA  
## rastr15h13m28.21s NA  
## rastr15h17m05.90s NA  
## rastr15h17m48.28s NA  
## rastr15h18m17.16s NA  
## rastr15h18m55.35s NA  
## rastr15h19m25.55s NA  
## rastr15h19m57.89s NA  
## rastr15h20m08.42s NA  
## rastr15h20m13.36s NA  
## rastr15h20m41.38s NA  
## rastr15h21m45.63s NA  
## rastr15h21m55.18s NA  
## rastr15h22m51.78s NA  
## rastr15h23m50.71s NA  
## rastr15h24m55.76s NA  
## rastr15h26m58.09s NA  
## rastr15h28m35.19s NA  
## rastr15h30m18.59s NA  
## rastr15h32m17.84s NA  
## rastr15h35m16.17s NA  
## rastr15h35m31.65s NA  
## rastr15h35m39.62s NA  
## rastr15h39m25.89s NA  
## rastr15h46m26.38s NA  
## rastr15h46m53.65s NA  
## rastr15h47m28.56s NA  
## rastr15h49m37.32s NA  
## rastr15h50m17.58s NA  
## rastr15h51m13.92s NA  
## rastr15h52m17.65s NA  
## rastr15h52m56.22s NA  
## rastr15h53m36.57s NA  
## rastr15h57m35.16s NA  
## rastr15h57m40.56s NA  
## rastr15h58m18.62s NA  
## rastr15h59m50.94s NA  
## rastr16h00m07.99s NA  
## rastr16h00m22.95s NA  
## rastr16h01m02.42s NA  
## rastr16h01m50.12s NA  
## rastr16h02m11.83s NA  
## rastr16h05m17.50s NA  
## rastr16h09m03.49s NA  
## rastr16h10m03.89s NA  
## rastr16h10m11.56s NA  
## rastr16h10m17.30s NA  
## rastr16h10m17.63s NA  
## rastr16h10m24.50s NA  
## rastr16h11m36.47s NA  
## rastr16h12m41.82s NA  
## rastr16h13m09.89s NA  
## rastr16h13m50.90s NA  
## rastr16h15m50.33s NA  
## rastr16h16m41.42s NA  
## rastr16h20m36.34s NA  
## rastr16h21m45.73s NA  
## rastr16h22m59.76s NA  
## rastr16h24m01.39s NA  
## rastr16h25m25.39s NA  
## rastr16h25m44.44s NA  
## rastr16h25m45.13s NA  
## rastr16h26m46.09s NA  
## rastr16h28m17.35s NA  
## rastr16h28m28.11s NA  
## rastr16h30m17.96s NA  
## rastr16h30m29.52s NA  
## rastr16h31m18.14s NA  
## rastr16h31m28.10s NA  
## rastr16h32m51.04s NA  
## rastr16h37m08.52s NA  
## rastr16h37m15.57s NA  
## rastr16h48m01.92s NA  
## rastr16h49m42.24s NA  
## rastr16h53m29.58s NA  
## rastr16h53m43.59s NA  
## rastr16h55m04.52s NA  
## rastr16h55m08.37s NA  
## rastr16h56m31.32s NA  
## rastr16h57m52.96s NA  
## rastr16h58m08.72s NA  
## rastr17h02m36.59s NA  
## rastr17h04m27.94s NA  
## rastr17h04m31.03s NA  
## rastr17h05m23.13s NA  
## rastr17h06m26.57s NA  
## rastr17h07m04.95s NA  
## rastr17h09m34.34s NA  
## rastr17h09m41.01s NA  
## rastr17h10m04.97s NA  
## rastr17h11m15.89s NA  
## rastr17h12m23.20s NA  
## rastr17h15m19.54s NA  
## rastr17h16m00.49s NA  
## rastr17h16m04.14s NA  
## rastr17h17m03.52s NA  
## rastr17h17m40.40s NA  
## rastr17h19m00.25s NA  
## rastr17h19m37.23s NA  
## rastr17h19m51.35s NA  
## rastr17h20m27.88s NA  
## rastr17h20m34.16s NA  
## rastr17h22m08.74s NA  
## rastr17h24m50.07s NA  
## rastr17h25m45.49s NA  
## rastr17h28m40.81s NA  
## rastr17h30m10.77s NA  
## rastr17h33m21.49s NA  
## rastr17h35m01.94s NA  
## rastr17h35m13.73s NA  
## rastr17h35m35.05s NA  
## rastr17h36m25.00s NA  
## rastr17h37m02.65s NA  
## rastr17h37m03.12s NA  
## rastr17h37m05.64s NA  
## rastr17h37m08.97s NA  
## rastr17h37m54.36s NA  
## rastr17h38m59.20s NA  
## rastr17h41m58.22s NA  
## rastr17h44m08.68s NA  
## rastr17h49m08.37s NA  
## rastr17h50m33.72s NA  
## rastr17h50m38.38s NA  
## rastr17h51m28.26s NA  
## rastr17h52m06.99s NA  
## rastr17h53m13.04s NA  
## rastr17h53m40.35s NA  
## rastr17h55m33.77s NA  
## rastr17h59m01.58s NA  
## rastr18h00m38.73s NA  
## rastr18h01m31.22s NA  
## rastr18h01m46.60s NA  
## rastr18h02m31.31s NA  
## rastr18h03m06.89s NA  
## rastr18h05m17.80s NA  
## rastr18h05m21.52s NA  
## rastr18h05m22.66s NA  
## rastr18h05m35.50s NA  
## rastr18h05m57.44s NA  
## rastr18h06m09.04s NA  
## rastr18h09m04.09s NA  
## rastr18h10m31.83s NA  
## rastr18h13m59.73s NA  
## rastr18h15m32.35s NA  
## rastr18h16m49.63s NA  
## rastr18h16m53.12s NA  
## rastr18h17m29.58s NA  
## rastr18h17m37.33s NA  
## rastr18h18m48.30s NA  
## rastr18h18m58.42s NA  
## rastr18h20m03.84s NA  
## rastr18h21m49.76s NA  
## rastr18h22m39.41s NA  
## rastr18h25m59.40s NA  
## rastr18h27m14.41s NA  
## rastr18h27m49.48s NA  
## rastr18h29m10.93s NA  
## rastr18h29m54.74s NA  
## rastr18h30m24.28s NA  
## rastr18h31m00.24s NA  
## rastr18h31m46.47s NA  
## rastr18h32m15.45s NA  
## rastr18h33m28.53s NA  
## rastr18h33m33.43s NA  
## rastr18h33m59.00s NA  
## rastr18h34m05.92s NA  
## rastr18h34m31.62s NA  
## rastr18h34m43.64s NA  
## rastr18h34m45.20s NA  
## rastr18h34m47.82s NA  
## rastr18h35m19.06s NA  
## rastr18h35m36.50s NA  
## rastr18h36m53.07s NA  
## rastr18h37m02.99s NA  
## rastr18h37m25.95s NA  
## rastr18h38m20.21s NA  
## rastr18h39m00.12s NA  
## rastr18h39m07.84s NA  
## rastr18h39m19.62s NA  
## rastr18h40m49.59s NA  
## rastr18h40m59.88s NA  
## rastr18h41m02.01s NA  
## rastr18h41m15.56s NA  
## rastr18h42m02.80s NA  
## rastr18h42m31.12s NA  
## rastr18h42m33.94s NA  
## rastr18h42m40.11s NA  
## rastr18h42m44.95s NA  
## rastr18h42m45.82s NA  
## rastr18h42m50.06s NA  
## rastr18h43m08.80s NA  
## rastr18h43m10.37s NA  
## rastr18h43m12.36s NA  
## rastr18h43m17.61s NA  
## rastr18h43m36.14s NA  
## rastr18h43m42.28s NA  
## rastr18h44m11.81s NA  
## rastr18h44m12.08s NA  
## rastr18h44m17.41s NA  
## rastr18h44m26.82s NA  
## rastr18h44m26.95s NA  
## rastr18h44m42.32s NA  
## rastr18h44m46.74s NA  
## rastr18h45m07.13s NA  
## rastr18h45m09.15s NA  
## rastr18h45m10.99s NA  
## rastr18h45m11.65s NA  
## rastr18h45m17.42s NA  
## rastr18h45m23.70s NA  
## rastr18h45m49.73s NA  
## rastr18h45m55.79s NA  
## rastr18h46m14.75s NA  
## rastr18h46m16.80s NA  
## rastr18h46m19.87s NA  
## rastr18h46m22.59s NA  
## rastr18h46m32.09s NA  
## rastr18h46m34.97s NA  
## rastr18h46m35.43s NA  
## rastr18h46m39.11s NA  
## rastr18h46m46.57s NA  
## rastr18h47m03.92s NA  
## rastr18h47m19.54s NA  
## rastr18h47m20.48s NA  
## rastr18h47m35.36s NA  
## rastr18h47m35.59s NA  
## rastr18h47m39.75s NA  
## rastr18h47m50.54s NA  
## rastr18h47m53.10s NA  
## rastr18h48m01.12s NA  
## rastr18h48m08.00s NA  
## rastr18h48m08.52s NA  
## rastr18h48m14.71s NA  
## rastr18h48m24.04s NA  
## rastr18h48m26.72s NA  
## rastr18h48m28.28s NA  
## rastr18h48m32.54s NA  
## rastr18h48m33.73s NA  
## rastr18h48m44.57s NA  
## rastr18h48m48.03s NA  
## rastr18h48m51.13s NA  
## rastr18h48m55.80s NA  
## rastr18h48m56.83s NA  
## rastr18h48m57.53s NA  
## rastr18h49m00.03s NA  
## rastr18h49m12.30s NA  
## rastr18h49m19.88s NA  
## rastr18h49m20.53s NA  
## rastr18h49m27.25s NA  
## rastr18h49m28.94s NA  
## rastr18h49m30.61s NA  
## rastr18h49m34.07s NA  
## rastr18h49m34.73s NA  
## rastr18h49m41.51s NA  
## rastr18h49m45.39s NA  
## rastr18h49m48.17s NA  
## rastr18h49m50.52s NA  
## rastr18h49m52.36s NA  
## rastr18h49m58.14s NA  
## rastr18h50m31.11s NA  
## rastr18h50m31.53s NA  
## rastr18h50m37.77s NA  
## rastr18h50m47.87s NA  
## rastr18h50m47.97s NA  
## rastr18h50m53.79s NA  
## rastr18h51m08.84s NA  
## rastr18h51m10.86s NA  
## rastr18h51m26.37s NA  
## rastr18h51m27.15s NA  
## rastr18h51m42.00s NA  
## rastr18h51m46.93s NA  
## rastr18h51m49.66s NA  
## rastr18h51m51.89s NA  
## rastr18h51m53.64s NA  
## rastr18h51m54.97s NA  
## rastr18h51m56.07s NA  
## rastr18h51m59.41s NA  
## rastr18h51m59.94s NA  
## rastr18h52m00.70s NA  
## rastr18h52m05.48s NA  
## rastr18h52m09.56s NA  
## rastr18h52m16.48s NA  
## rastr18h52m24.92s NA  
## rastr18h52m27.30s NA  
## rastr18h52m29.02s NA  
## rastr18h52m31.11s NA  
## rastr18h52m31.66s NA  
## rastr18h52m32.51s NA  
## rastr18h52m36.25s NA  
## rastr18h52m38.85s NA  
## rastr18h52m44.31s NA  
## rastr18h52m46.10s NA  
## rastr18h52m49.68s NA  
## rastr18h52m50.20s NA  
## rastr18h52m50.78s NA  
## rastr18h52m53.12s NA  
## rastr18h53m00.85s NA  
## rastr18h53m01.32s NA  
## rastr18h53m01.63s NA  
## rastr18h53m01.82s NA  
## rastr18h53m03.48s NA  
## rastr18h53m05.90s NA  
## rastr18h53m10.09s NA  
## rastr18h53m13.31s NA  
## rastr18h53m15.93s NA  
## rastr18h53m20.64s NA  
## rastr18h53m21.67s NA  
## rastr18h53m22.69s NA  
## rastr18h53m22.95s NA  
## rastr18h53m28.42s NA  
## rastr18h53m29.97s NA  
## rastr18h53m43.00s NA  
## rastr18h53m44.58s NA  
## rastr18h53m48.77s NA  
## rastr18h53m52.63s NA  
## rastr18h53m54.76s NA  
## rastr18h53m59.94s NA  
## rastr18h54m01.16s NA  
## rastr18h54m01.73s NA  
## rastr18h54m07.91s NA  
## rastr18h54m10.61s NA  
## rastr18h54m15.69s NA  
## rastr18h54m17.81s NA  
## rastr18h54m21.01s NA  
## rastr18h54m23.22s NA  
## rastr18h54m25.27s NA  
## rastr18h54m30.78s NA  
## rastr18h54m31.39s NA  
## rastr18h54m50.58s NA  
## rastr18h54m52.22s NA  
## rastr18h54m55.61s NA  
## rastr18h54m57.77s NA  
## rastr18h54m57.94s NA  
## rastr18h54m58.98s NA  
## rastr18h55m01.15s NA  
## rastr18h55m03.37s NA  
## rastr18h55m04.93s NA  
## rastr18h55m08.90s NA  
## rastr18h55m11.47s NA  
## rastr18h55m14.29s NA  
## rastr18h55m19.93s NA  
## rastr18h55m22.82s NA  
## rastr18h55m27.45s NA  
## rastr18h55m27.83s NA  
## rastr18h55m27.94s NA  
## rastr18h55m32.45s NA  
## rastr18h55m35.86s NA  
## rastr18h55m35.91s NA  
## rastr18h55m40.81s NA  
## rastr18h55m40.88s NA  
## rastr18h55m44.83s NA  
## rastr18h55m46.18s NA  
## rastr18h55m54.60s NA  
## rastr18h55m55.90s NA  
## rastr18h55m56.72s NA  
## rastr18h55m58.82s NA  
## rastr18h56m07.77s NA  
## rastr18h56m10.14s NA  
## rastr18h56m13.60s NA  
## rastr18h56m14.22s NA  
## rastr18h56m14.67s NA  
## rastr18h56m22.70s NA  
## rastr18h56m23.38s NA  
## rastr18h56m25.88s NA  
## rastr18h56m31.91s NA  
## rastr18h56m43.98s NA  
## rastr18h56m50.32s NA  
## rastr18h56m52.67s NA  
## rastr18h56m53.60s NA  
## rastr18h57m00.33s NA  
## rastr18h57m01.74s NA  
## rastr18h57m05.74s NA  
## rastr18h57m08.92s NA  
## rastr18h57m11.05s NA  
## rastr18h57m11.26s NA  
## rastr18h57m18.84s NA  
## rastr18h57m22.25s NA  
## rastr18h57m24.25s NA  
## rastr18h57m32.68s NA  
## rastr18h57m34.63s NA  
## rastr18h57m35.94s NA  
## rastr18h57m38.39s NA  
## rastr18h57m39.76s NA  
## rastr18h57m41.46s NA  
## rastr18h57m43.30s NA  
## rastr18h57m43.32s NA  
## rastr18h57m44.03s NA  
## rastr18h57m46.54s NA  
## rastr18h57m50.27s NA  
## rastr18h57m53.34s NA  
## rastr18h57m54.40s NA  
## rastr18h57m54.83s NA  
## rastr18h57m55.78s NA  
## rastr18h57m57.68s NA  
## rastr18h57m59.93s NA  
## rastr18h58m02.45s NA  
## rastr18h58m05.09s NA  
## rastr18h58m07.70s NA  
## rastr18h58m13.39s NA  
## rastr18h58m15.77s NA  
## rastr18h58m16.07s NA  
## rastr18h58m19.82s NA  
## rastr18h58m20.60s NA  
## rastr18h58m22.48s NA  
## rastr18h58m25.49s NA  
## rastr18h58m27.77s NA  
## rastr18h58m27.89s NA  
## rastr18h58m32.45s NA  
## rastr18h58m37.91s NA  
## rastr18h58m42.09s NA  
## rastr18h58m42.54s NA  
## rastr18h58m45.32s NA  
## rastr18h58m49.65s NA  
## rastr18h58m55.59s NA  
## rastr18h58m57.39s NA  
## rastr18h58m59.49s NA  
## rastr18h59m01.16s NA  
## rastr18h59m06.74s NA  
## rastr18h59m09.19s NA  
## rastr18h59m18.73s NA  
## rastr18h59m21.23s NA  
## rastr18h59m23.17s NA  
## rastr18h59m26.43s NA  
## rastr18h59m29.13s NA  
## rastr18h59m36.74s NA  
## rastr18h59m37.37s NA  
## rastr18h59m38.53s NA  
## rastr18h59m40.66s NA  
## rastr18h59m41.27s NA  
## rastr18h59m42.86s NA  
## rastr18h59m45.86s NA  
## rastr18h59m51.13s NA  
## rastr18h59m52.44s NA  
## rastr18h59m53.40s NA  
## rastr18h59m54.73s NA  
## rastr18h59m56.49s NA  
## rastr18h59m59.69s NA  
## rastr18h59m59.92s NA  
## rastr19h00m00.81s NA  
## rastr19h00m03.15s NA  
## rastr19h00m04.12s NA  
## rastr19h00m08.65s NA  
## rastr19h00m09.99s NA  
## rastr19h00m13.70s NA  
## rastr19h00m15.57s NA  
## rastr19h00m20.77s NA  
## rastr19h00m23.16s NA  
## rastr19h00m25.01s NA  
## rastr19h00m26.52s NA  
## rastr19h00m28.73s NA  
## rastr19h00m29.28s NA  
## rastr19h00m34.25s NA  
## rastr19h00m35.19s NA  
## rastr19h00m37.63s NA  
## rastr19h00m40.10s NA  
## rastr19h00m40.40s NA  
## rastr19h00m41.60s NA  
## rastr19h00m42.28s NA  
## rastr19h00m43.89s NA  
## rastr19h00m44.74s NA  
## rastr19h00m45.59s NA  
## rastr19h00m49.78s NA  
## rastr19h00m52.00s NA  
## rastr19h00m52.74s NA  
## rastr19h00m53.07s NA  
## rastr19h00m55.79s NA  
## rastr19h00m57.80s NA  
## rastr19h00m59.22s NA  
## rastr19h01m00.90s NA  
## rastr19h01m04.45s NA  
## rastr19h01m06.33s NA  
## rastr19h01m08.08s NA  
## rastr19h01m08.81s NA  
## rastr19h01m10.06s NA  
## rastr19h01m10.96s NA  
## rastr19h01m11.10s NA  
## rastr19h01m14.68s NA  
## rastr19h01m15.32s NA  
## rastr19h01m19.36s NA  
## rastr19h01m19.56s NA  
## rastr19h01m23.00s NA  
## rastr19h01m23.27s NA  
## rastr19h01m23.32s NA  
## rastr19h01m23.77s NA  
## rastr19h01m24.02s NA  
## rastr19h01m27.90s NA  
## rastr19h01m27.98s NA  
## rastr19h01m29.25s NA  
## rastr19h01m32.97s NA  
## rastr19h01m33.91s NA  
## rastr19h01m37.19s NA  
## rastr19h01m38.56s NA  
## rastr19h01m40.70s NA  
## rastr19h01m41.80s NA  
## rastr19h01m44.51s NA  
## rastr19h01m45.39s NA  
## rastr19h01m54.01s NA  
## rastr19h01m54.36s NA  
## rastr19h01m56.41s NA  
## rastr19h01m59.83s NA  
## rastr19h02m03.11s NA  
## rastr19h02m04.05s NA  
## rastr19h02m13.15s NA  
## rastr19h02m13.80s NA  
## rastr19h02m13.87s NA  
## rastr19h02m17.76s NA  
## rastr19h02m17.83s NA  
## rastr19h02m24.62s NA  
## rastr19h02m27.71s NA  
## rastr19h02m28.17s NA  
## rastr19h02m30.84s NA  
## rastr19h02m37.40s NA  
## rastr19h02m38.81s NA  
## rastr19h02m39.04s NA  
## rastr19h02m40.12s NA  
## rastr19h02m41.50s NA  
## rastr19h02m41.70s NA  
## rastr19h02m43.03s NA  
## rastr19h02m45.58s NA  
## rastr19h02m46.07s NA  
## rastr19h02m48.86s NA  
## rastr19h02m50.88s NA  
## rastr19h02m51.24s NA  
## rastr19h02m52.19s NA  
## rastr19h02m52.46s NA  
## rastr19h02m52.98s NA  
## rastr19h02m53.46s NA  
## rastr19h02m54.83s NA  
## rastr19h02m57.53s NA  
## rastr19h03m00.37s NA  
## rastr19h03m00.49s NA  
## rastr19h03m05.74s NA  
## rastr19h03m09.78s NA  
## rastr19h03m11.34s NA  
## rastr19h03m11.88s NA  
## rastr19h03m12.77s NA  
## rastr19h03m17.37s NA  
## rastr19h03m19.32s NA  
## rastr19h03m24.89s NA  
## rastr19h03m28.64s NA  
## rastr19h03m33.22s NA  
## rastr19h03m35.84s NA  
## rastr19h03m38.78s NA  
## rastr19h03m42.90s NA  
## rastr19h03m43.38s NA  
## rastr19h03m52.30s NA  
## rastr19h03m52.49s NA  
## rastr19h03m59.98s NA  
## rastr19h04m00.72s NA  
## rastr19h04m01.18s NA  
## rastr19h04m01.62s NA  
## rastr19h04m03.79s NA  
## rastr19h04m05.77s NA  
## rastr19h04m06.05s NA  
## rastr19h04m06.27s NA  
## rastr19h04m09.81s NA  
## rastr19h04m11.31s NA  
## rastr19h04m12.59s NA  
## rastr19h04m18.04s NA  
## rastr19h04m18.98s NA  
## rastr19h04m26.47s NA  
## rastr19h04m27.70s NA  
## rastr19h04m28.46s NA  
## rastr19h04m30.12s NA  
## rastr19h04m31.37s NA  
## rastr19h04m36.03s NA  
## rastr19h04m38.91s NA  
## rastr19h04m40.93s NA  
## rastr19h04m53.01s NA  
## rastr19h04m53.57s NA  
## rastr19h04m53.91s NA  
## rastr19h04m58.43s NA  
## rastr19h04m59.32s NA  
## rastr19h04m59.96s NA  
## rastr19h05m00.38s NA  
## rastr19h05m01.06s NA  
## rastr19h05m05.20s NA  
## rastr19h05m05.21s NA  
## rastr19h05m05.74s NA  
## rastr19h05m08.33s NA  
## rastr19h05m08.62s NA  
## rastr19h05m19.22s NA  
## rastr19h05m20.73s NA  
## rastr19h05m21.25s NA  
## rastr19h05m22.63s NA  
## rastr19h05m25.93s NA  
## rastr19h05m26.21s NA  
## rastr19h05m26.41s NA  
## rastr19h05m26.77s NA  
## rastr19h05m28.02s NA  
## rastr19h05m28.20s NA  
## rastr19h05m29.24s NA  
## rastr19h05m30.24s NA  
## rastr19h05m30.79s NA  
## rastr19h05m32.86s NA  
## rastr19h05m35.66s NA  
## rastr19h05m36.56s NA  
## rastr19h05m38.41s NA  
## rastr19h05m44.09s NA  
## rastr19h05m48.67s NA  
## rastr19h05m53.15s NA  
## rastr19h05m55.74s NA  
## rastr19h05m56.07s NA  
## rastr19h05m57.71s NA  
## rastr19h06m05.92s NA  
## rastr19h06m06.84s NA  
## rastr19h06m09.61s NA  
## rastr19h06m10.48s NA  
## rastr19h06m12.25s NA  
## rastr19h06m13.92s NA  
## rastr19h06m15.77s NA  
## rastr19h06m17.94s NA  
## rastr19h06m18.24s NA  
## rastr19h06m19.35s NA  
## rastr19h06m19.97s NA  
## rastr19h06m20.50s NA  
## rastr19h06m22.62s NA  
## rastr19h06m25.00s NA  
## rastr19h06m26.13s NA  
## rastr19h06m27.28s NA  
## rastr19h06m30.18s NA  
## rastr19h06m31.22s NA  
## rastr19h06m33.21s NA  
## rastr19h06m35.14s NA  
## rastr19h06m39.07s NA  
## rastr19h06m41.16s NA  
## rastr19h06m44.51s NA  
## rastr19h06m45.50s NA  
## rastr19h06m46.84s NA  
## rastr19h06m50.57s NA  
## rastr19h06m51.76s NA  
## rastr19h06m52.01s NA  
## rastr19h06m52.22s NA  
## rastr19h06m57.12s NA  
## rastr19h06m58.04s NA  
## rastr19h06m59.65s NA  
## rastr19h07m00.66s NA  
## rastr19h07m14.05s NA  
## rastr19h07m16.66s NA  
## rastr19h07m24.65s NA  
## rastr19h07m27.69s NA  
## rastr19h07m32.94s NA  
## rastr19h07m34.08s NA  
## rastr19h07m40.12s NA  
## rastr19h07m41.80s NA  
## rastr19h07m46.88s NA  
## rastr19h07m47.94s NA  
## rastr19h07m50.02s NA  
## rastr19h07m51.33s NA  
## rastr19h07m52.03s NA  
## rastr19h07m53.09s NA  
## rastr19h07m53.13s NA  
## rastr19h07m59.87s NA  
## rastr19h08m02.19s NA  
## rastr19h08m09.48s NA  
## rastr19h08m12.41s NA  
## rastr19h08m13.07s NA  
## rastr19h08m13.70s NA  
## rastr19h08m15.94s NA  
## rastr19h08m20.71s NA  
## rastr19h08m20.99s NA  
## rastr19h08m21.60s NA  
## rastr19h08m22.56s NA  
## rastr19h08m24.25s NA  
## rastr19h08m31.26s NA  
## rastr19h08m31.34s NA  
## rastr19h08m32.39s NA  
## rastr19h08m33.75s NA  
## rastr19h08m34.28s NA  
## rastr19h08m37.01s NA  
## rastr19h08m49.39s NA  
## rastr19h08m52.49s NA  
## rastr19h08m56.56s NA  
## rastr19h08m57.88s NA  
## rastr19h08m58.23s NA  
## rastr19h09m01.60s NA  
## rastr19h09m03.17s NA  
## rastr19h09m05.43s NA  
## rastr19h09m08.46s NA  
## rastr19h09m10.19s NA  
## rastr19h09m10.90s NA  
## rastr19h09m11.47s NA  
## rastr19h09m12.67s NA  
## rastr19h09m13.90s NA  
## rastr19h09m18.37s NA  
## rastr19h09m19.85s NA  
## rastr19h09m22.96s NA  
## rastr19h09m23.27s NA  
## rastr19h09m26.71s NA  
## rastr19h09m26.87s NA  
## rastr19h09m27.10s NA  
## rastr19h09m27.38s NA  
## rastr19h09m28.66s NA  
## rastr19h09m29.12s NA  
## rastr19h09m31.71s NA  
## rastr19h09m33.91s NA  
## rastr19h09m34.09s NA  
## rastr19h09m36.72s NA  
## rastr19h09m37.26s NA  
## rastr19h09m38.40s NA  
## rastr19h09m45.35s NA  
## rastr19h09m46.59s NA  
## rastr19h09m48.66s NA  
## rastr19h09m51.85s NA  
## rastr19h09m53.08s NA  
## rastr19h09m54.60s NA  
## rastr19h09m54.63s NA  
## rastr19h09m54.88s NA  
## rastr19h09m56.26s NA  
## rastr19h10m00.27s NA  
## rastr19h10m05.29s NA  
## rastr19h10m06.36s NA  
## rastr19h10m07.11s NA  
## rastr19h10m08.39s NA  
## rastr19h10m08.59s NA  
## rastr19h10m15.51s NA  
## rastr19h10m16.72s NA  
## rastr19h10m17.08s NA  
## rastr19h10m20.38s NA  
## rastr19h10m21.66s NA  
## rastr19h10m22.37s NA  
## rastr19h10m25.12s NA  
## rastr19h10m25.37s NA  
## rastr19h10m25.96s NA  
## rastr19h10m29.00s NA  
## rastr19h10m32.51s NA  
## rastr19h10m36.86s NA  
## rastr19h10m37.20s NA  
## rastr19h10m37.74s NA  
## rastr19h10m39.20s NA  
## rastr19h10m47.52s NA  
## rastr19h10m49.66s NA  
## rastr19h10m57.02s NA  
## rastr19h11m03.04s NA  
## rastr19h11m03.51s NA  
## rastr19h11m05.66s NA  
## rastr19h11m07.39s NA  
## rastr19h11m09.69s NA  
## rastr19h11m10.52s NA  
## rastr19h11m11.58s NA  
## rastr19h11m13.33s NA  
## rastr19h11m13.73s NA  
## rastr19h11m18.35s NA  
## rastr19h11m21.22s NA  
## rastr19h11m25.68s NA  
## rastr19h11m25.88s NA  
## rastr19h11m25.91s NA  
## rastr19h11m28.18s NA  
## rastr19h11m31.05s NA  
## rastr19h11m32.94s NA  
## rastr19h11m33.98s NA  
## rastr19h11m35.31s NA  
## rastr19h11m37.46s NA  
## rastr19h11m39.91s NA  
## rastr19h11m40.31s NA  
## rastr19h11m44.92s NA  
## rastr19h11m46.94s NA  
## rastr19h11m49.58s NA  
## rastr19h11m52.34s NA  
## rastr19h11m54.11s NA  
## rastr19h11m54.17s NA  
## rastr19h11m59.49s NA  
## rastr19h12m01.94s NA  
## rastr19h12m02.86s NA  
## rastr19h12m07.13s NA  
## rastr19h12m14.21s NA  
## rastr19h12m18.34s NA  
## rastr19h12m22.94s NA  
## rastr19h12m27.85s NA  
## rastr19h12m29.02s NA  
## rastr19h12m32.08s NA  
## rastr19h12m33.19s NA  
## rastr19h12m34.74s NA  
## rastr19h12m36.95s NA  
## rastr19h12m37.60s NA  
## rastr19h12m38.99s NA  
## rastr19h12m39.35s NA  
## rastr19h12m39.52s NA  
## rastr19h12m49.82s NA  
## rastr19h12m50.87s NA  
## rastr19h12m55.35s NA  
## rastr19h12m55.62s NA  
## rastr19h12m55.85s NA  
## rastr19h12m56.18s NA  
## rastr19h12m56.80s NA  
## rastr19h12m58.50s NA  
## rastr19h13m00.15s NA  
## rastr19h13m01.10s NA  
## rastr19h13m07.34s NA  
## rastr19h13m12.51s NA  
## rastr19h13m14.09s NA  
## rastr19h13m16.90s NA  
## rastr19h13m18.69s NA  
## rastr19h13m28.85s NA  
## rastr19h13m29.40s NA  
## rastr19h13m34.87s NA  
## rastr19h13m35.27s NA  
## rastr19h13m36.20s NA  
## rastr19h13m39.96s NA  
## rastr19h13m40.00s NA  
## rastr19h13m40.24s NA  
## rastr19h13m41.09s NA  
## rastr19h13m44.06s NA  
## rastr19h13m44.57s NA  
## rastr19h13m47.38s NA  
## rastr19h13m48.14s NA  
## rastr19h13m49.47s NA  
## rastr19h13m51.76s NA  
## rastr19h13m52.59s NA  
## rastr19h13m53.16s NA  
## rastr19h13m53.98s NA  
## rastr19h13m55.11s NA  
## rastr19h13m58.99s NA  
## rastr19h14m02.40s NA  
## rastr19h14m02.56s NA  
## rastr19h14m03.64s NA  
## rastr19h14m07.41s NA  
## rastr19h14m09.25s NA  
## rastr19h14m09.29s NA  
## rastr19h14m11.85s NA  
## rastr19h14m14.79s NA  
## rastr19h14m17.66s NA  
## rastr19h14m17.86s NA  
## rastr19h14m19.56s NA  
## rastr19h14m20.15s NA  
## rastr19h14m21.19s NA  
## rastr19h14m23.30s NA  
## rastr19h14m26.52s NA  
## rastr19h14m28.29s NA  
## rastr19h14m34.21s NA  
## rastr19h14m35.10s NA  
## rastr19h14m38.60s NA  
## rastr19h14m38.78s NA  
## rastr19h14m39.48s NA  
## rastr19h14m40.55s NA  
## rastr19h14m40.96s NA  
## rastr19h14m41.28s NA  
## rastr19h14m45.29s NA  
## rastr19h14m46.79s NA  
## rastr19h14m47.68s NA  
## rastr19h14m50.27s NA  
## rastr19h14m56.17s NA  
## rastr19h14m57.35s NA  
## rastr19h15m00.00s NA  
## rastr19h15m00.17s NA  
## rastr19h15m01.18s NA  
## rastr19h15m01.20s NA  
## rastr19h15m04.08s NA  
## rastr19h15m05.04s NA  
## rastr19h15m05.24s NA  
## rastr19h15m10.34s NA  
## rastr19h15m14.82s NA  
## rastr19h15m14.87s NA  
## rastr19h15m16.95s NA  
## rastr19h15m17.50s NA  
## rastr19h15m19.54s NA  
## rastr19h15m20.15s NA  
## rastr19h15m21.43s NA  
## rastr19h15m23.73s NA  
## rastr19h15m25.27s NA  
## rastr19h15m28.38s NA  
## rastr19h15m29.86s NA  
## rastr19h15m32.03s NA  
## rastr19h15m32.78s NA  
## rastr19h15m33.36s NA  
## rastr19h15m39.94s NA  
## rastr19h15m41.21s NA  
## rastr19h15m41.78s NA  
## rastr19h15m49.33s NA  
## rastr19h15m50.70s NA  
## rastr19h15m53.19s NA  
## rastr19h15m56.29s NA  
## rastr19h15m58.21s NA  
## rastr19h15m58.60s NA  
## rastr19h16m00.23s NA  
## rastr19h16m04.83s NA  
## rastr19h16m07.13s NA  
## rastr19h16m07.93s NA  
## rastr19h16m10.14s NA  
## rastr19h16m15.43s NA  
## rastr19h16m15.55s NA  
## rastr19h16m16.01s NA  
## rastr19h16m17.30s NA  
## rastr19h16m17.75s NA  
## rastr19h16m18.20s NA  
## rastr19h16m18.61s NA  
## rastr19h16m20.07s NA  
## rastr19h16m20.65s NA  
## rastr19h16m23.24s NA  
## rastr19h16m25.00s NA  
## rastr19h16m26.93s NA  
## rastr19h16m32.31s NA  
## rastr19h16m34.24s NA  
## rastr19h16m35.32s NA  
## rastr19h16m35.65s NA  
## rastr19h16m43.84s NA  
## rastr19h16m44.80s NA  
## rastr19h16m46.22s NA  
## rastr19h16m46.90s NA  
## rastr19h16m47.90s NA  
## rastr19h16m48.58s NA  
## rastr19h16m52.13s NA  
## rastr19h16m52.85s NA  
## rastr19h16m54.31s NA  
## rastr19h16m54.66s NA  
## rastr19h16m56.01s NA  
## rastr19h16m59.74s NA  
## rastr19h17m04.50s NA  
## rastr19h17m05.88s NA  
## rastr19h17m09.56s NA  
## rastr19h17m09.77s NA  
## rastr19h17m11.09s NA  
## rastr19h17m11.38s NA  
## rastr19h17m14.77s NA  
## rastr19h17m15.44s NA  
## rastr19h17m15.71s NA  
## rastr19h17m21.95s NA  
## rastr19h17m23.37s NA  
## rastr19h17m24.49s NA  
## rastr19h17m26.08s NA  
## rastr19h17m27.46s NA  
## rastr19h17m30.37s NA  
## rastr19h17m30.48s NA  
## rastr19h17m32.04s NA  
## rastr19h17m33.12s NA  
## rastr19h17m34.69s NA  
## rastr19h17m35.94s NA  
## rastr19h17m36.18s NA  
## rastr19h17m37.61s NA  
## rastr19h17m38.65s NA  
## rastr19h17m40.30s NA  
## rastr19h17m41.77s NA  
## rastr19h17m41.90s NA  
## rastr19h17m43.62s NA  
## rastr19h17m44.32s NA  
## rastr19h17m45.15s NA  
## rastr19h17m45.36s NA  
## rastr19h17m45.97s NA  
## rastr19h17m46.74s NA  
## rastr19h17m55.01s NA  
## rastr19h17m56.60s NA  
## rastr19h18m00.16s NA  
## rastr19h18m01.53s NA  
## rastr19h18m02.05s NA  
## rastr19h18m05.09s NA  
## rastr19h18m09.32s NA  
## rastr19h18m11.62s NA  
## rastr19h18m12.72s NA  
## rastr19h18m12.78s NA  
## rastr19h18m16.45s NA  
## rastr19h18m22.34s NA  
## rastr19h18m22.74s NA  
## rastr19h18m24.92s NA  
## rastr19h18m25.91s NA  
## rastr19h18m30.05s NA  
## rastr19h18m34.42s NA  
## rastr19h18m36.30s NA  
## rastr19h18m39.45s NA  
## rastr19h18m39.58s NA  
## rastr19h18m42.86s NA  
## rastr19h18m43.04s NA  
## rastr19h18m44.82s NA  
## rastr19h18m47.41s NA  
## rastr19h18m50.88s NA  
## rastr19h18m55.61s NA  
## rastr19h18m58.28s NA  
## rastr19h18m59.36s NA  
## rastr19h19m00.68s NA  
## rastr19h19m05.58s NA  
## rastr19h19m06.41s NA  
## rastr19h19m07.33s NA  
## rastr19h19m08.68s NA  
## rastr19h19m10.02s NA  
## rastr19h19m16.66s NA  
## rastr19h19m17.75s NA  
## rastr19h19m18.90s NA  
## rastr19h19m19.23s NA  
## rastr19h19m19.50s NA  
## rastr19h19m20.50s NA  
## rastr19h19m22.30s NA  
## rastr19h19m22.38s NA  
## rastr19h19m26.14s NA  
## rastr19h19m26.18s NA  
## rastr19h19m26.77s NA  
## rastr19h19m28.71s NA  
## rastr19h19m28.98s NA  
## rastr19h19m30.00s NA  
## rastr19h19m31.34s NA  
## rastr19h19m32.26s NA  
## rastr19h19m40.46s NA  
## rastr19h19m40.96s NA  
## rastr19h19m41.14s NA  
## rastr19h19m43.41s NA  
## rastr19h19m49.55s NA  
## rastr19h19m55.04s NA  
## rastr19h19m59.97s NA  
## rastr19h20m00.10s NA  
## rastr19h20m01.82s NA  
## rastr19h20m06.21s NA  
## rastr19h20m07.32s NA  
## rastr19h20m10.39s NA  
## rastr19h20m10.52s NA  
## rastr19h20m12.28s NA  
## rastr19h20m14.52s NA  
## rastr19h20m16.32s NA  
## rastr19h20m19.86s NA  
## rastr19h20m20.34s NA  
## rastr19h20m21.79s NA  
## rastr19h20m23.53s NA  
## rastr19h20m24.48s NA  
## rastr19h20m25.57s NA  
## rastr19h20m25.73s NA  
## rastr19h20m28.70s NA  
## rastr19h20m29.33s NA  
## rastr19h20m31.54s NA  
## rastr19h20m34.64s NA  
## rastr19h20m35.17s NA  
## rastr19h20m35.97s NA  
## rastr19h20m37.53s NA  
## rastr19h20m39.68s NA  
## rastr19h20m41.75s NA  
## rastr19h20m42.28s NA  
## rastr19h20m48.37s NA  
## rastr19h20m51.64s NA  
## rastr19h20m52.01s NA  
## rastr19h20m56.61s NA  
## rastr19h20m57.03s NA  
## rastr19h20m59.29s NA  
## rastr19h20m59.54s NA  
## rastr19h21m03.19s NA  
## rastr19h21m03.64s NA  
## rastr19h21m04.18s NA  
## rastr19h21m04.93s NA  
## rastr19h21m07.12s NA  
## rastr19h21m09.23s NA  
## rastr19h21m10.70s NA  
## rastr19h21m11.14s NA  
## rastr19h21m17.45s NA  
## rastr19h21m18.35s NA  
## rastr19h21m18.54s NA  
## rastr19h21m18.87s NA  
## rastr19h21m20.07s NA  
## rastr19h21m23.64s NA  
## rastr19h21m25.91s NA  
## rastr19h21m25.96s NA  
## rastr19h21m30.32s NA  
## rastr19h21m31.54s NA  
## rastr19h21m34.24s NA  
## rastr19h21m34.36s NA  
## rastr19h21m35.10s NA  
## rastr19h21m36.36s NA  
## rastr19h21m38.90s NA  
## rastr19h21m39.18s NA  
## rastr19h21m41.03s NA  
## rastr19h21m44.20s NA  
## rastr19h21m45.03s NA  
## rastr19h21m45.75s NA  
## rastr19h21m47.83s NA  
## rastr19h21m50.83s NA  
## rastr19h21m51.62s NA  
## rastr19h21m53.15s NA  
## rastr19h21m53.88s NA  
## rastr19h21m54.58s NA  
## rastr19h21m55.18s NA  
## rastr19h21m56.83s NA  
## rastr19h21m58.36s NA  
## rastr19h21m58.82s NA  
## rastr19h21m59.98s NA  
## rastr19h22m00.86s NA  
## rastr19h22m02.47s NA  
## rastr19h22m02.51s NA  
## rastr19h22m03.95s NA  
## rastr19h22m07.08s NA  
## rastr19h22m10.48s NA  
## rastr19h22m11.64s NA  
## rastr19h22m12.47s NA  
## rastr19h22m12.57s NA  
## rastr19h22m14.27s NA  
## rastr19h22m15.92s NA  
## rastr19h22m18.41s NA  
## rastr19h22m19.62s NA  
## rastr19h22m20.67s NA  
## rastr19h22m20.83s NA  
## rastr19h22m21.69s NA  
## rastr19h22m22.11s NA  
## rastr19h22m24.27s NA  
## rastr19h22m25.91s NA  
## rastr19h22m28.29s NA  
## rastr19h22m29.25s NA  
## rastr19h22m30.00s NA  
## rastr19h22m31.99s NA  
## rastr19h22m32.76s NA  
## rastr19h22m38.01s NA  
## rastr19h22m39.38s NA  
## rastr19h22m40.44s NA  
## rastr19h22m41.55s NA  
## rastr19h22m42.28s NA  
## rastr19h22m43.73s NA  
## rastr19h22m44.45s NA  
## rastr19h22m46.51s NA  
## rastr19h22m49.98s NA  
## rastr19h22m53.09s NA  
## rastr19h22m54.89s NA  
## rastr19h22m55.20s NA  
## rastr19h22m56.44s NA  
## rastr19h22m58.63s NA  
## rastr19h22m59.45s NA  
## rastr19h23m03.83s NA  
## rastr19h23m08.58s NA  
## rastr19h23m14.44s NA  
## rastr19h23m17.81s NA  
## rastr19h23m18.20s NA  
## rastr19h23m19.98s NA  
## rastr19h23m23.78s NA  
## rastr19h23m24.43s NA  
## rastr19h23m24.99s NA  
## rastr19h23m28.23s NA  
## rastr19h23m28.92s NA  
## rastr19h23m29.14s NA  
## rastr19h23m29.35s NA  
## rastr19h23m32.31s NA  
## rastr19h23m33.19s NA  
## rastr19h23m33.46s NA  
## rastr19h23m39.47s NA  
## rastr19h23m40.64s NA  
## rastr19h23m42.54s NA  
## rastr19h23m42.58s NA  
## rastr19h23m44.22s NA  
## rastr19h23m46.67s NA  
## rastr19h23m47.98s NA  
## rastr19h23m48.87s NA  
## rastr19h23m49.55s NA  
## rastr19h23m49.83s NA  
## rastr19h23m49.90s NA  
## rastr19h23m51.89s NA  
## rastr19h23m53.63s NA  
## rastr19h23m53.74s NA  
## rastr19h23m55.02s NA  
## rastr19h23m56.01s NA  
## rastr19h23m57.42s NA  
## rastr19h23m58.00s NA  
## rastr19h23m58.85s NA  
## rastr19h23m58.89s NA  
## rastr19h24m04.56s NA  
## rastr19h24m04.84s NA  
## rastr19h24m04.96s NA  
## rastr19h24m05.25s NA  
## rastr19h24m06.87s NA  
## rastr19h24m07.65s NA  
## rastr19h24m07.75s NA  
## rastr19h24m08.07s NA  
## rastr19h24m11.98s NA  
## rastr19h24m13.71s NA  
## rastr19h24m14.89s NA  
## rastr19h24m15.09s NA  
## rastr19h24m15.28s NA  
## rastr19h24m17.92s NA  
## rastr19h24m19.23s NA  
## rastr19h24m20.10s NA  
## rastr19h24m22.17s NA  
## rastr19h24m22.24s NA  
## rastr19h24m23.33s NA  
## rastr19h24m26.85s NA  
## rastr19h24m33.03s NA  
## rastr19h24m33.23s NA  
## rastr19h24m34.84s NA  
## rastr19h24m35.54s NA  
## rastr19h24m35.89s NA  
## rastr19h24m36.67s NA  
## rastr19h24m38.10s NA  
## rastr19h24m38.25s NA  
## rastr19h24m38.97s NA  
## rastr19h24m39.45s NA  
## rastr19h24m40.67s NA  
## rastr19h24m41.59s NA  
## rastr19h24m44.00s NA  
## rastr19h24m44.39s NA  
## rastr19h24m46.82s NA  
## rastr19h24m47.35s NA  
## rastr19h24m47.71s NA  
## rastr19h24m48.30s NA  
## rastr19h24m49.01s NA  
## rastr19h24m53.08s NA  
## rastr19h24m53.85s NA  
## rastr19h24m54.02s NA  
## rastr19h24m58.31s NA  
## rastr19h24m58.83s NA  
## rastr19h25m00.04s NA  
## rastr19h25m00.07s NA  
## rastr19h25m01.06s NA  
## rastr19h25m01.35s NA  
## rastr19h25m01.49s NA  
## rastr19h25m04.34s NA  
## rastr19h25m04.74s NA  
## rastr19h25m06.95s NA  
## rastr19h25m07.69s NA  
## rastr19h25m08.97s NA  
## rastr19h25m12.51s NA  
## rastr19h25m22.23s NA  
## rastr19h25m23.99s NA  
## rastr19h25m25.11s NA  
## rastr19h25m27.54s NA  
## rastr19h25m31.75s NA  
## rastr19h25m32.67s NA  
## rastr19h25m33.06s NA  
## rastr19h25m33.73s NA  
## rastr19h25m33.80s NA  
## rastr19h25m35.48s NA  
## rastr19h25m35.85s NA  
## rastr19h25m37.33s NA  
## rastr19h25m37.90s NA  
## rastr19h25m38.27s NA  
## rastr19h25m40.35s NA  
## rastr19h25m40.47s NA  
## rastr19h25m41.66s NA  
## rastr19h25m43.54s NA  
## rastr19h25m43.99s NA  
## rastr19h25m45.59s NA  
## rastr19h25m52.19s NA  
## rastr19h25m52.52s NA  
## rastr19h25m53.82s NA  
## rastr19h25m54.89s NA  
## rastr19h25m58.70s NA  
## rastr19h25m59.87s NA  
## rastr19h26m01.45s NA  
## rastr19h26m01.93s NA  
## rastr19h26m03.89s NA  
## rastr19h26m08.26s NA  
## rastr19h26m11.54s NA  
## rastr19h26m11.86s NA  
## rastr19h26m13.07s NA  
## rastr19h26m13.67s NA  
## rastr19h26m17.80s NA  
## rastr19h26m18.92s NA  
## rastr19h26m19.00s NA  
## rastr19h26m20.46s NA  
## rastr19h26m21.26s NA  
## rastr19h26m22.60s NA  
## rastr19h26m22.89s NA  
## rastr19h26m25.08s NA  
## rastr19h26m25.61s NA  
## rastr19h26m25.71s NA  
## rastr19h26m26.85s NA  
## rastr19h26m29.37s NA  
## rastr19h26m30.91s NA  
## rastr19h26m32.32s NA  
## rastr19h26m33.36s NA  
## rastr19h26m33.82s NA  
## rastr19h26m35.10s NA  
## rastr19h26m35.23s NA  
## rastr19h26m36.76s NA  
## rastr19h26m36.85s NA  
## rastr19h26m37.87s NA  
## rastr19h26m38.27s NA  
## rastr19h26m40.64s NA  
## rastr19h26m42.14s NA  
## rastr19h26m42.45s NA  
## rastr19h26m43.99s NA  
## rastr19h26m46.19s NA  
## rastr19h26m47.88s NA  
## rastr19h26m50.76s NA  
## rastr19h26m52.15s NA  
## rastr19h26m53.28s NA  
## rastr19h26m54.29s NA  
## rastr19h26m57.98s NA  
## rastr19h26m59.62s NA  
## rastr19h27m05.18s NA  
## rastr19h27m06.49s NA  
## rastr19h27m13.94s NA  
## rastr19h27m15.12s NA  
## rastr19h27m17.65s NA  
## rastr19h27m20.24s NA  
## rastr19h27m21.92s NA  
## rastr19h27m22.06s NA  
## rastr19h27m23.48s NA  
## rastr19h27m23.56s NA  
## rastr19h27m27.12s NA  
## rastr19h27m27.58s NA  
## rastr19h27m29.12s NA  
## rastr19h27m31.20s NA  
## rastr19h27m31.50s NA  
## rastr19h27m32.72s NA  
## rastr19h27m36.78s NA  
## rastr19h27m37.68s NA  
## rastr19h27m39.06s NA  
## rastr19h27m39.11s NA  
## rastr19h27m40.59s NA  
## rastr19h27m41.41s NA  
## rastr19h27m42.23s NA  
## rastr19h27m44.08s NA  
## rastr19h27m44.23s NA  
## rastr19h27m44.68s NA  
## rastr19h27m48.25s NA  
## rastr19h27m48.45s NA  
## rastr19h27m50.40s NA  
## rastr19h27m50.56s NA  
## rastr19h27m51.39s NA  
## rastr19h27m53.14s NA  
## rastr19h27m54.28s NA  
## rastr19h27m59.95s NA  
## rastr19h28m00.49s NA  
## rastr19h28m01.64s NA  
## rastr19h28m03.23s NA  
## rastr19h28m04.90s NA  
## rastr19h28m08.01s NA  
## rastr19h28m10.65s NA  
## rastr19h28m10.71s NA  
## rastr19h28m13.27s NA  
## rastr19h28m19.65s NA  
## rastr19h28m20.35s NA  
## rastr19h28m20.98s NA  
## rastr19h28m24.55s NA  
## rastr19h28m25.01s NA  
## rastr19h28m25.27s NA  
## rastr19h28m27.63s NA  
## rastr19h28m30.02s NA  
## rastr19h28m31.89s NA  
## rastr19h28m32.96s NA  
## rastr19h28m34.69s NA  
## rastr19h28m36.11s NA  
## rastr19h28m38.08s NA  
## rastr19h28m39.07s NA  
## rastr19h28m40.45s NA  
## rastr19h28m41.06s NA  
## rastr19h28m41.08s NA  
## rastr19h28m43.24s NA  
## rastr19h28m44.84s NA  
## rastr19h28m46.56s NA  
## rastr19h28m47.92s NA  
## rastr19h28m49.12s NA  
## rastr19h28m51.59s NA  
## rastr19h28m52.70s NA  
## rastr19h28m52.87s NA  
## rastr19h28m55.78s NA  
## rastr19h28m56.14s NA  
## rastr19h28m56.38s NA  
## rastr19h28m56.82s NA  
## rastr19h28m59.33s NA  
## rastr19h28m59.47s NA  
## rastr19h28m59.77s NA  
## rastr19h29m00.61s NA  
## rastr19h29m01.10s NA  
## rastr19h29m03.09s NA  
## rastr19h29m04.36s NA  
## rastr19h29m06.26s NA  
## rastr19h29m08.67s NA  
## rastr19h29m08.80s NA  
## rastr19h29m08.95s NA  
## rastr19h29m09.75s NA  
## rastr19h29m09.84s NA  
## rastr19h29m10.68s NA  
## rastr19h29m12.29s NA  
## rastr19h29m13.78s NA  
## rastr19h29m15.62s NA  
## rastr19h29m15.84s NA  
## rastr19h29m17.16s NA  
## rastr19h29m18.36s NA  
## rastr19h29m18.86s NA  
## rastr19h29m19.29s NA  
## rastr19h29m21.00s NA  
## rastr19h29m24.36s NA  
## rastr19h29m24.95s NA  
## rastr19h29m28.70s NA  
## rastr19h29m30.26s NA  
## rastr19h29m33.26s NA  
## rastr19h29m34.89s NA  
## rastr19h29m40.14s NA  
## rastr19h29m41.06s NA  
## rastr19h29m41.47s NA  
## rastr19h29m42.57s NA  
## rastr19h29m42.60s NA  
## rastr19h29m42.62s NA  
## rastr19h29m45.67s NA  
## rastr19h29m47.08s NA  
## rastr19h29m50.12s NA  
## rastr19h29m51.31s NA  
## rastr19h29m51.42s NA  
## rastr19h29m52.75s NA  
## rastr19h29m54.71s NA  
## rastr19h29m54.79s NA  
## rastr19h29m55.13s NA  
## rastr19h29m56.88s NA  
## rastr19h29m59.91s NA  
## rastr19h30m00.71s NA  
## rastr19h30m00.82s NA  
## rastr19h30m03.38s NA  
## rastr19h30m03.53s NA  
## rastr19h30m07.33s NA  
## rastr19h30m07.40s NA  
## rastr19h30m10.97s NA  
## rastr19h30m11.39s NA  
## rastr19h30m17.60s NA  
## rastr19h30m18.50s NA  
## rastr19h30m18.68s NA  
## rastr19h30m19.17s NA  
## rastr19h30m19.30s NA  
## rastr19h30m20.26s NA  
## rastr19h30m21.07s NA  
## rastr19h30m21.99s NA  
## rastr19h30m27.39s NA  
## rastr19h30m27.60s NA  
## rastr19h30m30.60s NA  
## rastr19h30m34.15s NA  
## rastr19h30m38.01s NA  
## rastr19h30m38.05s NA  
## rastr19h30m41.39s NA  
## rastr19h30m42.66s NA  
## rastr19h30m42.73s NA  
## rastr19h30m44.23s NA  
## rastr19h30m45.69s NA  
## rastr19h30m45.70s NA  
## rastr19h30m51.14s NA  
## rastr19h30m51.48s NA  
## rastr19h30m57.04s NA  
## rastr19h31m01.75s NA  
## rastr19h31m04.80s NA  
## rastr19h31m05.63s NA  
## rastr19h31m08.30s NA  
## rastr19h31m14.06s NA  
## rastr19h31m19.72s NA  
## rastr19h31m21.63s NA  
## rastr19h31m25.37s NA  
## rastr19h31m28.76s NA  
## rastr19h31m29.34s NA  
## rastr19h31m29.50s NA  
## rastr19h31m29.61s NA  
## rastr19h31m32.46s NA  
## rastr19h31m36.39s NA  
## rastr19h31m39.15s NA  
## rastr19h31m41.47s NA  
## rastr19h31m43.00s NA  
## rastr19h31m45.55s NA  
## rastr19h31m49.26s NA  
## rastr19h31m49.99s NA  
## rastr19h31m51.72s NA  
## rastr19h31m53.11s NA  
## rastr19h31m57.20s NA  
## rastr19h32m04.23s NA  
## rastr19h32m04.37s NA  
## rastr19h32m09.06s NA  
## rastr19h32m13.73s NA  
## rastr19h32m13.92s NA  
## rastr19h32m14.72s NA  
## rastr19h32m15.20s NA  
## rastr19h32m16.94s NA  
## rastr19h32m19.07s NA  
## rastr19h32m20.27s NA  
## rastr19h32m20.31s NA  
## rastr19h32m22.21s NA  
## rastr19h32m22.57s NA  
## rastr19h32m29.63s NA  
## rastr19h32m30.56s NA  
## rastr19h32m31.48s NA  
## rastr19h32m34.66s NA  
## rastr19h32m35.18s NA  
## rastr19h32m36.18s NA  
## rastr19h32m38.42s NA  
## rastr19h32m39.60s NA  
## rastr19h32m41.12s NA  
## rastr19h32m43.27s NA  
## rastr19h32m44.28s NA  
## rastr19h32m46.89s NA  
## rastr19h32m48.14s NA  
## rastr19h32m49.08s NA  
## rastr19h32m51.24s NA  
## rastr19h32m52.17s NA  
## rastr19h32m55.20s NA  
## rastr19h32m55.26s NA  
## rastr19h33m00.99s NA  
## rastr19h33m02.62s NA  
## rastr19h33m02.98s NA  
## rastr19h33m07.57s NA  
## rastr19h33m07.74s NA  
## rastr19h33m08.79s NA  
## rastr19h33m09.13s NA  
## rastr19h33m09.19s NA  
## rastr19h33m10.47s NA  
## rastr19h33m11.61s NA  
## rastr19h33m12.07s NA  
## rastr19h33m14.81s NA  
## rastr19h33m16.39s NA  
## rastr19h33m17.38s NA  
## rastr19h33m22.80s NA  
## rastr19h33m24.41s NA  
## rastr19h33m27.08s NA  
## rastr19h33m29.33s NA  
## rastr19h33m42.50s NA  
## rastr19h33m47.14s NA  
## rastr19h33m49.16s NA  
## rastr19h33m52.56s NA  
## rastr19h33m52.82s NA  
## rastr19h33m59.18s NA  
## rastr19h34m00.12s NA  
## rastr19h34m02.69s NA  
## rastr19h34m04.76s NA  
## rastr19h34m06.62s NA  
## rastr19h34m07.39s NA  
## rastr19h34m10.14s NA  
## rastr19h34m16.37s NA  
## rastr19h34m17.73s NA  
## rastr19h34m18.67s NA  
## rastr19h34m19.41s NA  
## rastr19h34m19.84s NA  
## rastr19h34m20.73s NA  
## rastr19h34m22.99s NA  
## rastr19h34m24.31s NA  
## rastr19h34m26.02s NA  
## rastr19h34m27.30s NA  
## rastr19h34m28.63s NA  
## rastr19h34m29.53s NA  
## rastr19h34m30.25s NA  
## rastr19h34m31.14s NA  
## rastr19h34m32.87s NA  
## rastr19h34m33.43s NA  
## rastr19h34m34.59s NA  
## rastr19h34m40.91s NA  
## rastr19h34m41.84s NA  
## rastr19h34m42.12s NA  
## rastr19h34m42.35s NA  
## rastr19h34m43.01s NA  
## rastr19h34m43.66s NA  
## rastr19h34m44.57s NA  
## rastr19h34m50.02s NA  
## rastr19h34m50.74s NA  
## rastr19h34m51.95s NA  
## rastr19h34m52.59s NA  
## rastr19h34m54.19s NA  
## rastr19h34m54.52s NA  
## rastr19h34m54.74s NA  
## rastr19h34m55.87s NA  
## rastr19h34m58.07s NA  
## rastr19h34m58.37s NA  
## rastr19h34m58.54s NA  
## rastr19h34m59.31s NA  
## rastr19h35m01.99s NA  
## rastr19h35m04.17s NA  
## rastr19h35m10.47s NA  
## rastr19h35m11.25s NA  
## rastr19h35m13.08s NA  
## rastr19h35m15.95s NA  
## rastr19h35m17.12s NA  
## rastr19h35m17.80s NA  
## rastr19h35m18.39s NA  
## rastr19h35m20.03s NA  
## rastr19h35m20.29s NA  
## rastr19h35m24.15s NA  
## rastr19h35m27.75s NA  
## rastr19h35m29.26s NA  
## rastr19h35m29.68s NA  
## rastr19h35m30.74s NA  
## rastr19h35m31.18s NA  
## rastr19h35m31.53s NA  
## rastr19h35m31.62s NA  
## rastr19h35m31.90s NA  
## rastr19h35m32.49s NA  
## rastr19h35m33.65s NA  
## rastr19h35m36.14s NA  
## rastr19h35m43.14s NA  
## rastr19h35m44.04s NA  
## rastr19h35m45.90s NA  
## rastr19h35m47.43s NA  
## rastr19h35m53.61s NA  
## rastr19h35m53.74s NA  
## rastr19h35m55.57s NA  
## rastr19h35m56.06s NA  
## rastr19h35m56.41s NA  
## rastr19h35m57.28s NA  
## rastr19h36m01.30s NA  
## rastr19h36m02.26s NA  
## rastr19h36m05.53s NA  
## rastr19h36m06.98s NA  
## rastr19h36m10.42s NA  
## rastr19h36m13.82s NA  
## rastr19h36m16.42s NA  
## rastr19h36m19.85s NA  
## rastr19h36m19.94s NA  
## rastr19h36m20.14s NA  
## rastr19h36m24.93s NA  
## rastr19h36m25.96s NA  
## rastr19h36m26.58s NA  
## rastr19h36m27.13s NA  
## rastr19h36m27.76s NA  
## rastr19h36m29.16s NA  
## rastr19h36m33.09s NA  
## rastr19h36m35.92s NA  
## rastr19h36m36.65s NA  
## rastr19h36m36.80s NA  
## rastr19h36m39.16s NA  
## rastr19h36m40.52s NA  
## rastr19h36m41.06s NA  
## rastr19h36m45.40s NA  
## rastr19h36m46.11s NA  
## rastr19h36m48.49s NA  
## rastr19h36m52.54s NA  
## rastr19h36m53.87s NA  
## rastr19h36m56.97s NA  
## rastr19h36m57.91s NA  
## rastr19h37m03.78s NA  
## rastr19h37m03.92s NA  
## rastr19h37m06.54s NA  
## rastr19h37m07.43s NA  
## rastr19h37m09.63s NA  
## rastr19h37m10.68s NA  
## rastr19h37m11.70s NA  
## rastr19h37m13.64s NA  
## rastr19h37m16.06s NA  
## rastr19h37m18.14s NA  
## rastr19h37m18.30s NA  
## rastr19h37m20.73s NA  
## rastr19h37m21.24s NA  
## rastr19h37m21.99s NA  
## rastr19h37m24.20s NA  
## rastr19h37m25.57s NA  
## rastr19h37m27.85s NA  
## rastr19h37m28.02s NA  
## rastr19h37m29.65s NA  
## rastr19h37m32.49s NA  
## rastr19h37m33.83s NA  
## rastr19h37m44.05s NA  
## rastr19h37m46.03s NA  
## rastr19h37m46.04s NA  
## rastr19h37m48.89s NA  
## rastr19h37m49.36s NA  
## rastr19h37m51.06s NA  
## rastr19h37m51.34s NA  
## rastr19h37m52.44s NA  
## rastr19h37m54.81s NA  
## rastr19h37m56.25s NA  
## rastr19h37m56.95s NA  
## rastr19h37m57.58s NA  
## rastr19h37m58.77s NA  
## rastr19h37m59.27s NA  
## rastr19h38m02.72s NA  
## rastr19h38m03.18s NA  
## rastr19h38m04.25s NA  
## rastr19h38m06.11s NA  
## rastr19h38m06.50s NA  
## rastr19h38m06.86s NA  
## rastr19h38m08.06s NA  
## rastr19h38m12.88s NA  
## rastr19h38m13.87s NA  
## rastr19h38m14.16s NA  
## rastr19h38m16.05s NA  
## rastr19h38m16.65s NA  
## rastr19h38m16.89s NA  
## rastr19h38m18.29s NA  
## rastr19h38m22.95s NA  
## rastr19h38m23.17s NA  
## rastr19h38m27.12s NA  
## rastr19h38m27.29s NA  
## rastr19h38m27.55s NA  
## rastr19h38m29.00s NA  
## rastr19h38m31.78s NA  
## rastr19h38m31.82s NA  
## rastr19h38m32.09s NA  
## rastr19h38m32.62s NA  
## rastr19h38m35.19s NA  
## rastr19h38m35.56s NA  
## rastr19h38m36.01s NA  
## rastr19h38m37.26s NA  
## rastr19h38m38.74s NA  
## rastr19h38m39.52s NA  
## rastr19h38m40.30s NA  
## rastr19h38m41.80s NA  
## rastr19h38m43.25s NA  
## rastr19h38m46.57s NA  
## rastr19h38m47.26s NA  
## rastr19h38m50.27s NA  
## rastr19h38m50.44s NA  
## rastr19h38m50.55s NA  
## rastr19h38m50.88s NA  
## rastr19h38m58.09s NA  
## rastr19h38m58.41s NA  
## rastr19h39m04.08s NA  
## rastr19h39m04.76s NA  
## rastr19h39m05.74s NA  
## rastr19h39m06.43s NA  
## rastr19h39m08.22s NA  
## rastr19h39m15.85s NA  
## rastr19h39m19.43s NA  
## rastr19h39m20.43s NA  
## rastr19h39m21.62s NA  
## rastr19h39m22.51s NA  
## rastr19h39m23.26s NA  
## rastr19h39m24.63s NA  
## rastr19h39m27.87s NA  
## rastr19h39m28.06s NA  
## rastr19h39m33.51s NA  
## rastr19h39m38.32s NA  
## rastr19h39m38.78s NA  
## rastr19h39m46.01s NA  
## rastr19h39m46.53s NA  
## rastr19h39m47.75s NA  
## rastr19h39m48.25s NA  
## rastr19h39m48.33s NA  
## rastr19h39m49.22s NA  
## rastr19h39m49.64s NA  
## rastr19h39m50.14s NA  
## rastr19h39m51.84s NA  
## rastr19h39m53.65s NA  
## rastr19h39m54.94s NA  
## rastr19h39m55.33s NA  
## rastr19h39m56.53s NA  
## rastr19h39m57.39s NA  
## rastr19h39m58.03s NA  
## rastr19h39m59.12s NA  
## rastr19h39m59.30s NA  
## rastr19h40m00.50s NA  
## rastr19h40m00.66s NA  
## rastr19h40m05.21s NA  
## rastr19h40m11.65s NA  
## rastr19h40m13.02s NA  
## rastr19h40m15.41s NA  
## rastr19h40m21.66s NA  
## rastr19h40m22.79s NA  
## rastr19h40m24.60s NA  
## rastr19h40m26.39s NA  
## rastr19h40m28.56s NA  
## rastr19h40m33.37s NA  
## rastr19h40m36.51s NA  
## rastr19h40m37.95s NA  
## rastr19h40m39.30s NA  
## rastr19h40m39.36s NA  
## rastr19h40m40.13s NA  
## rastr19h40m42.09s NA  
## rastr19h40m43.61s NA  
## rastr19h40m43.89s NA  
## rastr19h40m46.41s NA  
## rastr19h40m49.18s NA  
## rastr19h40m51.04s NA  
## rastr19h40m52.02s NA  
## rastr19h40m54.35s NA  
## rastr19h40m54.92s NA  
## rastr19h40m57.42s NA  
## rastr19h41m00.28s NA  
## rastr19h41m08.94s NA  
## rastr19h41m09.29s NA  
## rastr19h41m11.49s NA  
## rastr19h41m12.02s NA  
## rastr19h41m12.59s NA  
## rastr19h41m13.08s NA  
## rastr19h41m13.81s NA  
## rastr19h41m13.96s NA  
## rastr19h41m15.17s NA  
## rastr19h41m17.41s NA  
## rastr19h41m17.61s NA  
## rastr19h41m19.16s NA  
## rastr19h41m22.26s NA  
## rastr19h41m23.92s NA  
## rastr19h41m25.05s NA  
## rastr19h41m29.00s NA  
## rastr19h41m30.58s NA  
## rastr19h41m36.61s NA  
## rastr19h41m37.02s NA  
## rastr19h41m38.34s NA  
## rastr19h41m39.09s NA  
## rastr19h41m40.19s NA  
## rastr19h41m40.30s NA  
## rastr19h41m41.30s NA  
## rastr19h41m43.04s NA  
## rastr19h41m43.84s NA  
## rastr19h41m49.26s NA  
## rastr19h41m49.70s NA  
## rastr19h41m50.96s NA  
## rastr19h41m51.22s NA  
## rastr19h41m51.75s NA  
## rastr19h41m54.17s NA  
## rastr19h41m55.49s NA  
## rastr19h41m55.76s NA  
## rastr19h41m56.78s NA  
## rastr19h41m59.54s NA  
## rastr19h42m00.64s NA  
## rastr19h42m05.11s NA  
## rastr19h42m05.78s NA  
## rastr19h42m08.66s NA  
## rastr19h42m09.23s NA  
## rastr19h42m13.20s NA  
## rastr19h42m14.26s NA  
## rastr19h42m15.25s NA  
## rastr19h42m16.29s NA  
## rastr19h42m17.10s NA  
## rastr19h42m17.82s NA  
## rastr19h42m18.26s NA  
## rastr19h42m18.54s NA  
## rastr19h42m19.04s NA  
## rastr19h42m20.75s NA  
## rastr19h42m21.90s NA  
## rastr19h42m26.10s NA  
## rastr19h42m28.80s NA  
## rastr19h42m29.94s NA  
## rastr19h42m31.03s NA  
## rastr19h42m35.68s NA  
## rastr19h42m36.33s NA  
## rastr19h42m36.35s NA  
## rastr19h42m39.10s NA  
## rastr19h42m44.37s NA  
## rastr19h42m46.46s NA  
## rastr19h42m48.26s NA  
## rastr19h42m56.49s NA  
## rastr19h42m58.52s NA  
## rastr19h43m03.89s NA  
## rastr19h43m08.46s NA  
## rastr19h43m08.53s NA  
## rastr19h43m10.12s NA  
## rastr19h43m13.57s NA  
## rastr19h43m14.23s NA  
## rastr19h43m15.88s NA  
## rastr19h43m17.18s NA  
## rastr19h43m18.11s NA  
## rastr19h43m18.88s NA  
## rastr19h43m23.16s NA  
## rastr19h43m26.26s NA  
## rastr19h43m32.99s NA  
## rastr19h43m37.20s NA  
## rastr19h43m37.57s NA  
## rastr19h43m38.20s NA  
## rastr19h43m40.96s NA  
## rastr19h43m42.27s NA  
## rastr19h43m44.03s NA  
## rastr19h43m45.21s NA  
## rastr19h43m47.13s NA  
## rastr19h43m47.59s NA  
## rastr19h43m48.32s NA  
## rastr19h43m54.04s NA  
## rastr19h43m54.14s NA  
## rastr19h44m00.90s NA  
## rastr19h44m00.94s NA  
## rastr19h44m01.73s NA  
## rastr19h44m02.28s NA  
## rastr19h44m05.12s NA  
## rastr19h44m05.35s NA  
## rastr19h44m07.66s NA  
## rastr19h44m07.73s NA  
## rastr19h44m10.15s NA  
## rastr19h44m11.35s NA  
## rastr19h44m12.98s NA  
## rastr19h44m14.37s NA  
## rastr19h44m15.42s NA  
## rastr19h44m15.43s NA  
## rastr19h44m18.15s NA  
## rastr19h44m19.64s NA  
## rastr19h44m24.97s NA  
## rastr19h44m25.90s NA  
## rastr19h44m27.02s NA  
## rastr19h44m28.97s NA  
## rastr19h44m31.52s NA  
## rastr19h44m31.88s NA  
## rastr19h44m36.31s NA  
## rastr19h44m38.16s NA  
## rastr19h44m42.55s NA  
## rastr19h44m44.02s NA  
## rastr19h44m45.18s NA  
## rastr19h44m47.08s NA  
## rastr19h44m48.13s NA  
## rastr19h44m48.93s NA  
## rastr19h44m51.63s NA  
## rastr19h44m53.29s NA  
## rastr19h44m53.33s NA  
## rastr19h44m55.21s NA  
## rastr19h44m55.69s NA  
## rastr19h44m55.87s NA  
## rastr19h44m56.43s NA  
## rastr19h44m58.71s NA  
## rastr19h45m03.48s NA  
## rastr19h45m06.64s NA  
## rastr19h45m08.66s NA  
## rastr19h45m10.44s NA  
## rastr19h45m12.48s NA  
## rastr19h45m13.92s NA  
## rastr19h45m17.27s NA  
## rastr19h45m21.85s NA  
## rastr19h45m25.11s NA  
## rastr19h45m26.07s NA  
## rastr19h45m26.27s NA  
## rastr19h45m27.96s NA  
## rastr19h45m30.44s NA  
## rastr19h45m32.53s NA  
## rastr19h45m33.30s NA  
## rastr19h45m35.41s NA  
## rastr19h45m36.75s NA  
## rastr19h45m36.91s NA  
## rastr19h45m37.66s NA  
## rastr19h45m40.46s NA  
## rastr19h45m41.31s NA  
## rastr19h45m44.59s NA  
## rastr19h45m49.37s NA  
## rastr19h45m51.48s NA  
## rastr19h45m52.15s NA  
## rastr19h45m55.14s NA  
## rastr19h45m56.02s NA  
## rastr19h45m59.05s NA  
## rastr19h45m59.66s NA  
## rastr19h46m00.11s NA  
## rastr19h46m02.52s NA  
## rastr19h46m02.88s NA  
## rastr19h46m04.00s NA  
## rastr19h46m05.88s NA  
## rastr19h46m11.43s NA  
## rastr19h46m12.02s NA  
## rastr19h46m12.66s NA  
## rastr19h46m14.41s NA  
## rastr19h46m15.89s NA  
## rastr19h46m16.00s NA  
## rastr19h46m21.00s NA  
## rastr19h46m24.34s NA  
## rastr19h46m24.82s NA  
## rastr19h46m27.57s NA  
## rastr19h46m30.48s NA  
## rastr19h46m32.85s NA  
## rastr19h46m37.14s NA  
## rastr19h46m39.06s NA  
## rastr19h46m40.31s NA  
## rastr19h46m43.32s NA  
## rastr19h46m45.23s NA  
## rastr19h46m46.55s NA  
## rastr19h46m47.35s NA  
## rastr19h46m49.73s NA  
## rastr19h46m51.06s NA  
## rastr19h46m53.87s NA  
## rastr19h46m58.29s NA  
## rastr19h46m59.14s NA  
## rastr19h47m00.71s NA  
## rastr19h47m00.81s NA  
## rastr19h47m01.00s NA  
## rastr19h47m01.39s NA  
## rastr19h47m05.26s NA  
## rastr19h47m05.46s NA  
## rastr19h47m12.82s NA  
## rastr19h47m14.08s NA  
## rastr19h47m15.29s NA  
## rastr19h47m17.50s NA  
## rastr19h47m20.94s NA  
## rastr19h47m21.21s NA  
## rastr19h47m23.06s NA  
## rastr19h47m24.24s NA  
## rastr19h47m24.49s NA  
## rastr19h47m24.82s NA  
## rastr19h47m25.57s NA  
## rastr19h47m26.20s NA  
## rastr19h47m26.62s NA  
## rastr19h47m32.57s NA  
## rastr19h47m34.76s NA  
## rastr19h47m36.67s NA  
## rastr19h47m41.66s NA  
## rastr19h47m48.50s NA  
## rastr19h47m50.13s NA  
## rastr19h47m50.48s NA  
## rastr19h47m52.51s NA  
## rastr19h47m55.47s NA  
## rastr19h47m56.47s NA  
## rastr19h47m56.81s NA  
## rastr19h47m59.16s NA  
## rastr19h47m59.66s NA  
## rastr19h48m02.26s NA  
## rastr19h48m04.51s NA  
## rastr19h48m04.58s NA  
## rastr19h48m04.81s NA  
## rastr19h48m05.06s NA  
## rastr19h48m06.14s NA  
## rastr19h48m06.76s NA  
## rastr19h48m10.08s NA  
## rastr19h48m10.90s NA  
## rastr19h48m10.95s NA  
## rastr19h48m16.41s NA  
## rastr19h48m16.76s NA  
## rastr19h48m16.85s NA  
## rastr19h48m16.90s NA  
## rastr19h48m17.71s NA  
## rastr19h48m17.92s NA  
## rastr19h48m21.59s NA  
## rastr19h48m21.73s NA  
## rastr19h48m27.62s NA  
## rastr19h48m29.83s NA  
## rastr19h48m31.85s NA  
## rastr19h48m35.71s NA  
## rastr19h48m47.82s NA  
## rastr19h48m48.36s NA  
## rastr19h48m50.14s NA  
## rastr19h48m50.91s NA  
## rastr19h48m51.37s NA  
## rastr19h48m51.80s NA  
## rastr19h49m01.22s NA  
## rastr19h49m02.18s NA  
## rastr19h49m04.94s NA  
## rastr19h49m05.02s NA  
## rastr19h49m05.21s NA  
## rastr19h49m06.69s NA  
## rastr19h49m06.94s NA  
## rastr19h49m08.45s NA  
## rastr19h49m08.52s NA  
## rastr19h49m10.21s NA  
## rastr19h49m12.30s NA  
## rastr19h49m15.84s NA  
## rastr19h49m17.44s NA  
## rastr19h49m18.92s NA  
## rastr19h49m19.94s NA  
## rastr19h49m21.47s NA  
## rastr19h49m23.36s NA  
## rastr19h49m24.55s NA  
## rastr19h49m24.96s NA  
## rastr19h49m26.24s NA  
## rastr19h49m29.62s NA  
## rastr19h49m30.02s NA  
## rastr19h49m33.98s NA  
## rastr19h49m34.35s NA  
## rastr19h49m36.37s NA  
## rastr19h49m39.47s NA  
## rastr19h49m43.29s NA  
## rastr19h49m48.51s NA  
## rastr19h49m48.90s NA  
## rastr19h49m50.41s NA  
## rastr19h49m51.28s NA  
## rastr19h49m51.68s NA  
## rastr19h49m54.51s NA  
## rastr19h49m55.08s NA  
## rastr19h49m55.40s NA  
## rastr19h49m55.81s NA  
## rastr19h49m56.77s NA  
## rastr19h49m56.84s NA  
## rastr19h50m00.89s NA  
## rastr19h50m01.99s NA  
## rastr19h50m02.37s NA  
## rastr19h50m18.51s NA  
## rastr19h50m19.93s NA  
## rastr19h50m20.14s NA  
## rastr19h50m21.25s NA  
## rastr19h50m22.47s NA  
## rastr19h50m34.14s NA  
## rastr19h50m36.22s NA  
## rastr19h50m36.32s NA  
## rastr19h50m39.47s NA  
## rastr19h50m41.43s NA  
## rastr19h50m48.04s NA  
## rastr19h50m50.44s NA  
## rastr19h50m50.77s NA  
## rastr19h50m50.86s NA  
## rastr19h50m53.57s NA  
## rastr19h50m53.81s NA  
## rastr19h50m55.02s NA  
## rastr19h50m56.73s NA  
## rastr19h50m57.55s NA  
## rastr19h51m07.02s NA  
## rastr19h51m08.77s NA  
## rastr19h51m09.82s NA  
## rastr19h51m10.82s NA  
## rastr19h51m11.24s NA  
## rastr19h51m13.97s NA  
## rastr19h51m21.95s NA  
## rastr19h51m22.15s NA  
## rastr19h51m37.38s NA  
## rastr19h51m40.04s NA  
## rastr19h51m40.73s NA  
## rastr19h51m45.16s NA  
## rastr19h51m45.62s NA  
## rastr19h51m46.75s NA  
## rastr19h51m48.39s NA  
## rastr19h51m48.72s NA  
## rastr19h51m49.00s NA  
## rastr19h51m50.77s NA  
## rastr19h51m52.97s NA  
## rastr19h52m00.70s NA  
## rastr19h52m03.47s NA  
## rastr19h52m04.60s NA  
## rastr19h52m05.54s NA  
## rastr19h52m16.24s NA  
## rastr19h52m19.07s NA  
## rastr19h52m20.03s NA  
## rastr19h52m20.28s NA  
## rastr19h52m22.91s NA  
## rastr19h52m25.47s NA  
## rastr19h52m26.68s NA  
## rastr19h52m27.55s NA  
## rastr19h52m28.53s NA  
## rastr19h52m36.01s NA  
## rastr19h52m42.55s NA  
## rastr19h52m48.17s NA  
## rastr19h52m48.63s NA  
## rastr19h53m00.48s NA  
## rastr19h53m01.95s NA  
## rastr19h53m04.54s NA  
## rastr19h53m10.77s NA  
## rastr19h53m12.64s NA  
## rastr19h53m15.47s NA  
## rastr19h53m16.41s NA  
## rastr19h53m18.39s NA  
## rastr19h53m23.61s NA  
## rastr19h53m29.72s NA  
## rastr19h53m32.37s NA  
## rastr19h53m34.86s NA  
## rastr19h53m34.98s NA  
## rastr19h53m36.31s NA  
## rastr19h53m42.34s NA  
## rastr19h53m48.02s NA  
## rastr19h53m49.65s NA  
## rastr19h53m51.75s NA  
## rastr19h53m55.46s NA  
## rastr19h53m55.88s NA  
## rastr19h53m58.39s NA  
## rastr19h54m03.68s NA  
## rastr19h54m12.21s NA  
## rastr19h54m14.99s NA  
## rastr19h54m21.41s NA  
## rastr19h54m22.77s NA  
## rastr19h54m25.90s NA  
## rastr19h54m30.00s NA  
## rastr19h54m32.56s NA  
## rastr19h54m36.66s NA  
## rastr19h54m38.62s NA  
## rastr19h54m38.99s NA  
## rastr19h54m39.23s NA  
## rastr19h54m39.27s NA  
## rastr19h54m41.71s NA  
## rastr19h54m56.43s NA  
## rastr19h54m56.72s NA  
## rastr19h55m15.93s NA  
## rastr19h55m20.60s NA  
## rastr19h55m27.99s NA  
## rastr19h55m35.72s NA  
## rastr19h55m44.84s NA  
## rastr19h55m48.09s NA  
## rastr19h55m50.19s NA  
## rastr19h55m53.32s NA  
## rastr19h55m58.01s NA  
## rastr19h56m12.15s NA  
## rastr19h56m12.30s NA  
## rastr19h56m18.49s NA  
## rastr19h56m19.44s NA  
## rastr19h56m23.40s NA  
## rastr19h56m29.39s NA  
## rastr19h56m30.61s NA  
## rastr19h56m32.70s NA  
## rastr19h56m33.03s NA  
## rastr19h56m33.43s NA  
## rastr19h56m38.52s NA  
## rastr19h56m40.68s NA  
## rastr19h56m44.85s NA  
## rastr19h56m51.17s NA  
## rastr19h56m53.20s NA  
## rastr19h56m53.82s NA  
## rastr19h56m56.89s NA  
## rastr19h57m00.07s NA  
## rastr19h57m04.36s NA  
## rastr19h57m12.85s NA  
## rastr19h57m15.86s NA  
## rastr19h57m16.72s NA  
## rastr19h57m24.45s NA  
## rastr19h57m31.56s NA  
## rastr19h57m37.16s NA  
## rastr19h57m37.69s NA  
## rastr19h57m42.44s NA  
## rastr19h58m00.41s NA  
## rastr19h58m06.24s NA  
## rastr19h58m08.34s NA  
## rastr19h58m14.85s NA  
## rastr19h58m20.00s NA  
## rastr19h58m38.30s NA  
## rastr19h58m38.52s NA  
## rastr19h58m42.21s NA  
## rastr19h58m49.14s NA  
## rastr19h59m08.51s NA  
## rastr19h59m11.16s NA  
## rastr19h59m17.08s NA  
## rastr19h59m19.34s NA  
## rastr19h59m24.43s NA  
## rastr19h59m26.83s NA  
## rastr19h59m35.19s NA  
## rastr19h59m35.36s NA  
## rastr19h59m49.74s NA  
## rastr19h59m51.76s NA  
## rastr20h00m24.56s NA  
## rastr20h00m40.91s NA  
## rastr20h00m43.71s NA  
## rastr20h00m49.59s NA  
## rastr20h00m58.10s NA  
## rastr20h01m15.88s NA  
## rastr20h01m19.76s NA  
## rastr20h01m22.57s NA  
## rastr20h01m29.09s NA  
## rastr20h01m40.19s NA  
## rastr20h01m42.74s NA  
## rastr20h01m43.44s NA  
## rastr20h01m57.17s NA  
## rastr20h02m04.11s NA  
## rastr20h02m28.72s NA  
## rastr20h02m46.95s NA  
## rastr20h02m55.78s NA  
## rastr20h03m00.90s NA  
## rastr20h03m27.36s NA  
## rastr20h03m38.22s NA  
## rastr20h03m43.09s NA  
## rastr20h03m44.50s NA  
## rastr20h05m06.88s NA  
## rastr20h05m22.29s NA  
## rastr20h05m35.03s NA  
## rastr20h06m10.33s NA  
## rastr20h06m18.85s NA  
## rastr20h06m52.99s NA  
## rastr20h07m19.64s NA  
## rastr20h08m06.15s NA  
## rastr20h09m28.50s NA  
## rastr20h11m11.62s NA  
## rastr20h11m30.72s NA  
## rastr20h12m40.03s NA  
## rastr20h12m46.90s NA  
## rastr20h13m31.65s NA  
## rastr20h13m52.26s NA  
## rastr20h13m59.78s NA  
## rastr20h14m32.12s NA  
## rastr20h15m18.83s NA  
## rastr20h16m05.96s NA  
## rastr20h16m49.92s NA  
## rastr20h18m09.32s NA  
## rastr20h19m12.01s NA  
## rastr20h20m00.47s NA  
## rastr20h20m22.97s NA  
## rastr20h20m53.27s NA  
## rastr20h21m45.92s NA  
## rastr20h24m29.74s NA  
## rastr20h26m57.87s NA  
## rastr20h27m42.88s NA  
## rastr20h27m59.52s NA  
## rastr20h28m19.02s NA  
## rastr20h29m40.39s NA  
## rastr20h30m23.21s NA  
## rastr20h30m54.13s NA  
## rastr20h31m26.38s NA  
## rastr20h37m51.31s NA  
## rastr20h38m02.70s NA  
## rastr20h39m32.87s NA  
## rastr20h39m51.95s NA  
## rastr20h39m53.09s NA  
## rastr20h41m44.74s NA  
## rastr20h44m10.26s NA  
## rastr20h44m22.08s NA  
## rastr20h45m01.99s NA  
## rastr20h45m09.87s NA  
## rastr20h46m41.60s NA  
## rastr20h49m21.62s NA  
## rastr20h49m47.83s NA  
## rastr20h49m49.80s NA  
## rastr20h52m40.09s NA  
## rastr20h52m51.71s NA  
## rastr20h54m44.95s NA  
## rastr20h54m45.90s NA  
## rastr20h55m04.96s NA  
## rastr20h55m07.98s NA  
## rastr20h55m09.19s NA  
## rastr20h55m36.01s NA  
## rastr20h57m04.45s NA  
## rastr20h58m18.11s NA  
## rastr20h58m25.88s NA  
## rastr21h00m06.23s NA  
## rastr21h01m39.40s NA  
## rastr21h01m54.53s NA  
## rastr21h02m07.67s NA  
## rastr21h03m37.32s NA  
## rastr21h04m48.89s NA  
## rastr21h06m31.65s NA  
## rastr21h06m39.94s NA  
## rastr21h07m50.76s NA  
## rastr21h09m22.70s NA  
## rastr21h10m12.37s NA  
## rastr21h13m36.24s NA  
## rastr21h14m56.88s NA  
## rastr21h14m57.73s NA  
## rastr21h16m27.54s NA  
## rastr21h18m47.90s NA  
## rastr21h19m47.93s NA  
## rastr21h21m54.83s NA  
## rastr21h22m06.40s NA  
## rastr21h23m03.09s NA  
## rastr21h26m23.09s NA  
## rastr21h28m12.25s NA  
## rastr21h29m00.90s NA  
## rastr21h32m23.20s NA  
## rastr21h33m33.90s NA  
## rastr21h35m40.47s NA  
## rastr21h38m08.43s NA  
## rastr21h38m08.63s NA  
## rastr21h40m03.49s NA  
## rastr21h40m48.39s NA  
## rastr21h41m28.87s NA  
## rastr21h42m22.03s NA  
## rastr21h43m24.90s NA  
## rastr21h45m22.00s NA  
## rastr21h47m24.40s NA  
## rastr21h49m59.45s NA  
## rastr21h50m00.12s NA  
## rastr21h50m39.77s NA  
## rastr21h52m36.43s NA  
## rastr21h54m04.20s NA  
## rastr21h54m52.36s NA  
## rastr21h55m54.22s NA  
## rastr21h56m23.99s NA  
## rastr21h57m19.98s NA  
## rastr21h58m59.78s NA  
## rastr22h03m10.81s NA  
## rastr22h03m29.14s NA  
## rastr22h04m12.10s NA  
## rastr22h04m48.74s NA  
## rastr22h06m06.40s NA  
## rastr22h09m29.95s NA  
## rastr22h09m34.83s NA  
## rastr22h09m38.15s NA  
## rastr22h09m41.52s NA  
## rastr22h10m51.44s NA  
## rastr22h11m47.58s NA  
## rastr22h11m51.33s NA  
## rastr22h12m06.50s NA  
## rastr22h13m43.79s NA  
## rastr22h15m00.45s NA  
## rastr22h15m15.80s NA  
## rastr22h18m06.88s NA  
## rastr22h18m29.46s NA  
## rastr22h22m03.10s NA  
## rastr22h22m15.88s NA  
## rastr22h22m29.60s NA  
## rastr22h24m36.56s NA  
## rastr22h25m17.31s NA  
## rastr22h26m18.27s NA  
## rastr22h27m02.98s NA  
## rastr22h27m31.29s NA  
## rastr22h29m49.88s NA  
## rastr22h30m02.47s NA  
## rastr22h30m49.68s NA  
## rastr22h31m00.15s NA  
## rastr22h31m05.47s NA  
## rastr22h33m28.37s NA  
## rastr22h33m35.92s NA  
## rastr22h34m25.50s NA  
## rastr22h35m56.09s NA  
## rastr22h36m06.20s NA  
## rastr22h40m19.97s NA  
## rastr22h41m12.91s NA  
## rastr22h43m21.14s NA  
## rastr22h45m27.37s NA  
## rastr22h46m36.65s NA  
## rastr22h47m30.45s NA  
## rastr22h48m07.60s NA  
## rastr22h49m32.62s NA  
## rastr22h52m09.96s NA  
## rastr22h53m03.98s NA  
## rastr22h53m17.75s NA  
## rastr22h53m38.27s NA  
## rastr22h54m39.35s NA  
## rastr22h55m29.30s NA  
## rastr22h55m53.97s NA  
## rastr22h57m28.21s NA  
## rastr22h57m46.89s NA  
## rastr22h58m15.53s NA  
## rastr22h59m29.66s NA  
## rastr23h03m08.11s NA  
## rastr23h04m18.02s NA  
## rastr23h04m32.78s NA  
## rastr23h05m52.04s NA  
## rastr23h06m30.33s NA  
## rastr23h07m28.84s NA  
## rastr23h09m11.38s NA  
## rastr23h09m58.27s NA  
## rastr23h10m29.26s NA  
## rastr23h10m49.04s NA  
## rastr23h10m50.60s NA  
## rastr23h12m14.15s NA  
## rastr23h12m37.71s NA  
## rastr23h13m20.93s NA  
## rastr23h13m26.50s NA  
## rastr23h13m58.75s NA  
## rastr23h14m07.67s NA  
## rastr23h14m53.85s NA  
## rastr23h15m42.22s NA  
## rastr23h15m47.77s NA  
## rastr23h15m53.88s NA  
## rastr23h15m58.33s NA  
## rastr23h16m15.23s NA  
## rastr23h16m49.73s NA  
## rastr23h17m10.72s NA  
## rastr23h17m32.24s NA  
## rastr23h18m14.22s NA  
## rastr23h18m29.51s NA  
## rastr23h18m46.73s NA  
## rastr23h20m06.86s NA  
## rastr23h20m14.40s NA  
## rastr23h21m58.73s NA  
## rastr23h23m40.09s NA  
## rastr23h24m32.49s NA  
## rastr23h25m52.97s NA  
## rastr23h26m27.47s NA  
## rastr23h26m36.82s NA  
## rastr23h27m05.23s NA  
## rastr23h28m41.41s NA  
## rastr23h31m17.80s NA  
## rastr23h31m20.69s NA  
## rastr23h31m52.81s NA  
## rastr23h32m07.96s NA  
## rastr23h32m55.05s NA  
## rastr23h32m58.45s NA  
## rastr23h33m19.66s NA  
## rastr23h34m15.10s NA  
## rastr23h34m27.90s NA  
## rastr23h35m49.04s NA  
## rastr23h36m40.49s NA  
## rastr23h36m57.80s NA  
## rastr23h38m00.61s NA  
## rastr23h38m07.68s NA  
## rastr23h39m05.78s NA  
## rastr23h39m20.60s NA  
## rastr23h41m51.38s NA  
## rastr23h43m18.88s NA  
## rastr23h46m40.01s NA  
## rastr23h50m19.36s NA  
## rastr23h51m23.14s NA  
## rastr23h51m31.01s NA  
## rastr23h54m03.63s NA  
## rastr23h54m14.12s NA  
## rastr23h54m40.53s NA  
## rastr23h56m36.47s NA  
## rastr23h56m45.96s NA  
## rastr23h57m23.77s NA  
## rastr23h58m51.94s NA  
## rastr23h59m10.41s NA  
## rastr23h59m36.21s NA  
## rastr23h59m54.00s NA  
## ra NA  
## decstr-00d07m41.42s NA  
## decstr-00d10m14.63s NA  
## decstr-00d16m55.48s NA  
## decstr-00d17m56.96s NA  
## decstr-00d23m36.37s NA  
## decstr-00d25m49.29s NA  
## decstr-00d40m22.03s NA  
## decstr-00d41m48.77s NA  
## decstr-00d49m24.83s NA  
## decstr-00d51m56.73s NA  
## decstr-00d54m08.64s NA  
## decstr-01d02m06.10s NA  
## decstr-01d03m46.83s NA  
## decstr-01d04m24.00s NA  
## decstr-01d04m33.61s NA  
## decstr-01d06m39.32s NA  
## decstr-01d09m48.97s NA  
## decstr-01d11m21.06s NA  
## decstr-01d11m47.02s NA  
## decstr-01d15m08.28s NA  
## decstr-01d17m07.24s NA  
## decstr-01d17m47.20s NA  
## decstr-01d19m42.39s NA  
## decstr-01d24m17.00s NA  
## decstr-01d27m18.49s NA  
## decstr-01d31m47.14s NA  
## decstr-01d34m07.08s NA  
## decstr-01d34m47.95s NA  
## decstr-01d35m32.25s NA  
## decstr-01d41m18.87s NA  
## decstr-01d43m28.14s NA  
## decstr-01d46m26.61s NA  
## decstr-01d58m58.03s NA  
## decstr-02d01m49.39s NA  
## decstr-02d02m42.34s NA  
## decstr-02d03m27.67s NA  
## decstr-02d08m39.97s NA  
## decstr-02d11m04.98s NA  
## decstr-02d15m40.19s NA  
## decstr-02d15m53.97s NA  
## decstr-02d16m40.94s NA  
## decstr-02d23m43.62s NA  
## decstr-02d28m25.77s NA  
## decstr-02d30m47.87s NA  
## decstr-02d38m19.57s NA  
## decstr-02d39m08.24s NA  
## decstr-02d46m28.95s NA  
## decstr-02d46m44.90s NA  
## decstr-02d58m15.53s NA  
## decstr-03d00m30.89s NA  
## decstr-03d01m53.35s NA  
## decstr-03d06m07.70s NA  
## decstr-03d19m11.97s NA  
## decstr-03d22m51.81s NA  
## decstr-03d23m46.90s NA  
## decstr-03d26m40.20s NA  
## decstr-03d33m11.21s NA  
## decstr-03d33m44.96s NA  
## decstr-03d39m58.06s NA  
## decstr-03d43m09.44s NA  
## decstr-03d48m30.08s NA  
## decstr-03d50m06.00s NA  
## decstr-03d54m20.07s NA  
## decstr-03d58m31.59s NA  
## decstr-04d03m00.38s NA  
## decstr-04d25m20.27s NA  
## decstr-04d38m26.99s NA  
## decstr-04d45m19.95s NA  
## decstr-04d48m25.21s NA  
## decstr-05d00m43.31s NA  
## decstr-05d02m36.46s NA  
## decstr-05d02m52.70s NA  
## decstr-05d03m14.84s NA  
## decstr-05d04m46.15s NA  
## decstr-05d05m11.24s NA  
## decstr-05d05m41.49s NA  
## decstr-05d09m50.92s NA  
## decstr-05d10m42.27s NA  
## decstr-05d22m00.53s NA  
## decstr-05d26m32.98s NA  
## decstr-05d32m09.74s NA  
## decstr-05d40m30.41s NA  
## decstr-05d45m53.86s NA  
## decstr-05d59m10.46s NA  
## decstr-05d59m46.82s NA  
## decstr-06d00m09.37s NA  
## decstr-06d08m09.90s NA  
## decstr-06d08m21.61s NA  
## decstr-06d13m47.21s NA  
## decstr-06d24m07.45s NA  
## decstr-06d36m44.24s NA  
## decstr-06d43m18.65s NA  
## decstr-06d48m14.66s NA  
## decstr-07d03m38.40s NA  
## decstr-07d15m27.15s NA  
## decstr-07d19m05.01s NA  
## decstr-07d23m24.53s NA  
## decstr-07d24m29.68s NA  
## decstr-07d33m02.15s NA  
## decstr-07d43m21.70s NA  
## decstr-07d47m42.15s NA  
## decstr-07d51m27.21s NA  
## decstr-07d57m22.87s NA  
## decstr-07d59m44.41s NA  
## decstr-08d01m37.15s NA  
## decstr-08d03m13.03s NA  
## decstr-08d14m01.02s NA  
## decstr-08d16m52.12s NA  
## decstr-08d19m03.49s NA  
## decstr-08d19m40.89s NA  
## decstr-08d32m55.03s NA  
## decstr-08d35m49.51s NA  
## decstr-08d44m49.98s NA  
## decstr-08d49m27.34s NA  
## decstr-08d50m52.94s NA  
## decstr-09d01m22.59s NA  
## decstr-09d05m16.11s NA  
## decstr-09d19m29.89s NA  
## decstr-09d23m57.71s NA  
## decstr-09d27m29.42s NA  
## decstr-09d30m48.83s NA  
## decstr-09d30m59.65s NA  
## decstr-09d35m48.09s NA  
## decstr-09d36m27.40s NA  
## decstr-09d36m43.23s NA  
## decstr-09d45m54.86s NA  
## decstr-09d46m26.88s NA  
## decstr-09d48m23.20s NA  
## decstr-09d56m45.85s NA  
## decstr-10d08m46.37s NA  
## decstr-10d14m36.49s NA  
## decstr-10d17m28.84s NA  
## decstr-10d21m07.84s NA  
## decstr-10d25m28.63s NA  
## decstr-10d33m03.87s NA  
## decstr-10d37m49.16s NA  
## decstr-10d38m21.62s NA  
## decstr-10d40m31.69s NA  
## decstr-10d42m41.53s NA  
## decstr-10d43m30.29s NA  
## decstr-10d46m13.52s NA  
## decstr-10d50m59.06s NA  
## decstr-10d53m52.89s NA  
## decstr-10d58m35.12s NA  
## decstr-11d02m01.40s NA  
## decstr-11d02m41.79s NA  
## decstr-11d14m07.22s NA  
## decstr-11d24m24.43s NA  
## decstr-11d34m45.55s NA  
## decstr-11d35m20.36s NA  
## decstr-11d37m17.47s NA  
## decstr-11d38m13.37s NA  
## decstr-11d43m04.08s NA  
## decstr-11d50m16.05s NA  
## decstr-11d54m04.23s NA  
## decstr-11d55m22.71s NA  
## decstr-11d56m17.75s NA  
## decstr-12d01m08.64s NA  
## decstr-12d05m05.51s NA  
## decstr-12d06m28.78s NA  
## decstr-12d07m49.07s NA  
## decstr-12d10m01.79s NA  
## decstr-12d17m05.71s NA  
## decstr-12d31m01.22s NA  
## decstr-12d38m11.13s NA  
## decstr-12d40m03.67s NA  
## decstr-12d47m00.07s NA  
## decstr-12d47m32.01s NA  
## decstr-12d55m39.59s NA  
## decstr-12d56m41.17s NA  
## decstr-12d59m08.37s NA  
## decstr-13d10m29.43s NA  
## decstr-13d15m23.50s NA  
## decstr-13d23m58.64s NA  
## decstr-13d26m00.18s NA  
## decstr-13d33m34.37s NA  
## decstr-13d34m37.09s NA  
## decstr-13d43m54.50s NA  
## decstr-13d54m24.01s NA  
## decstr-13d59m10.81s NA  
## decstr-14d04m06.38s NA  
## decstr-14d15m59.74s NA  
## decstr-14d16m36.27s NA  
## decstr-14d25m08.94s NA  
## decstr-14d27m26.75s NA  
## decstr-14d29m21.57s NA  
## decstr-14d29m41.20s NA  
## decstr-14d32m14.22s NA  
## decstr-14d47m22.21s NA  
## decstr-14d56m52.15s NA  
## decstr-14d57m03.52s NA  
## decstr-14d59m30.39s NA  
## decstr-15d01m34.41s NA  
## decstr-15d16m02.66s NA  
## decstr-15d16m25.34s NA  
## decstr-15d16m26.79s NA  
## decstr-15d53m43.44s NA  
## decstr-15d56m01.68s NA  
## decstr-15d57m51.64s NA  
## decstr-16d02m10.78s NA  
## decstr-16d13m38.37s NA  
## decstr-16d20m21.30s NA  
## decstr-16d24m23.20s NA  
## decstr-16d30m32.41s NA  
## decstr-16d35m40.18s NA  
## decstr-16d43m28.73s NA  
## decstr-16d57m23.37s NA  
## decstr-16d57m55.40s NA  
## decstr-16d59m46.48s NA  
## decstr-17d00m01.10s NA  
## decstr-17d04m39.34s NA  
## decstr-17d06m54.62s NA  
## decstr-17d15m02.88s NA  
## decstr-17d15m50.78s NA  
## decstr-17d19m59.05s NA  
## decstr-17d28m54.53s NA  
## decstr-17d30m12.59s NA  
## decstr-17d39m28.01s NA  
## decstr-17d41m13.42s NA  
## decstr-17d46m34.30s NA  
## decstr-17d54m38.57s NA  
## decstr-18d00m41.99s NA  
## decstr-18d01m19.10s NA  
## decstr-18d06m24.98s NA  
## decstr-18d18m56.79s NA  
## decstr-18d26m09.50s NA  
## decstr-18d52m35.13s NA  
## decstr-18d58m17.07s NA  
## decstr-19d01m53.86s NA  
## decstr-19d03m17.20s NA  
## decstr-19d03m24.55s NA  
## decstr-19d15m22.25s NA  
## decstr-19d17m03.67s NA  
## decstr-19d17m30.07s NA  
## decstr-19d18m53.02s NA  
## decstr-19d20m03.71s NA  
## decstr-19d20m51.53s NA  
## decstr-19d21m21.32s NA  
## decstr-19d26m15.10s NA  
## decstr-19d30m26.63s NA  
## decstr-19d32m32.30s NA  
## decstr-19d32m34.98s NA  
## decstr-19d33m25.05s NA  
## decstr-19d36m19.06s NA  
## decstr-19d39m46.05s NA  
## decstr-19d41m27.15s NA  
## decstr-19d42m16.01s NA  
## decstr-19d44m50.76s NA  
## decstr-19d49m44.18s NA  
## decstr-19d55m53.34s NA  
## decstr-19d56m59.03s NA  
## decstr-19d57m12.40s NA  
## decstr-20d09m58.96s NA  
## decstr-20d11m56.03s NA  
## decstr-20d13m54.47s NA  
## decstr-20d16m02.40s NA  
## decstr-20d16m31.57s NA  
## decstr-20d21m20.18s NA  
## decstr-20d27m03.60s NA  
## decstr-20d37m00.45s NA  
## decstr-20d39m42.63s NA  
## decstr-20d47m23.02s NA  
## decstr-20d48m09.73s NA  
## decstr-20d51m23.30s NA  
## decstr-20d57m28.65s NA  
## decstr-20d58m56.71s NA  
## decstr-21d11m46.37s NA  
## decstr-21d12m11.92s NA  
## decstr-21d12m28.29s NA  
## decstr-21d16m19.26s NA  
## decstr-21d28m55.40s NA  
## decstr-21d40m25.33s NA  
## decstr-21d43m38.71s NA  
## decstr-21d48m04.32s NA  
## decstr-21d52m03.80s NA  
## decstr-21d54m38.56s NA  
## decstr-21d56m01.13s NA  
## decstr-22d05m39.59s NA  
## decstr-22d06m59.00s NA  
## decstr-22d09m11.63s NA  
## decstr-22d12m16.15s NA  
## decstr-22d14m51.75s NA  
## decstr-22d17m36.31s NA  
## decstr-22d17m45.12s NA  
## decstr-22d21m30.04s NA  
## decstr-22d23m17.44s NA  
## decstr-22d23m24.03s NA  
## decstr-22d25m40.80s NA  
## decstr-22d27m13.01s NA  
## decstr-22d32m48.78s NA  
## decstr-22d33m46.83s NA  
## decstr-22d40m26.85s NA  
## decstr-22d59m12.64s NA  
## decstr-23d05m09.62s NA  
## decstr-23d11m21.91s NA  
## decstr-23d12m10.15s NA  
## decstr-23d13m05.18s NA  
## decstr-23d14m28.74s NA  
## decstr-23d21m17.44s NA  
## decstr-23d27m10.11s NA  
## decstr-23d29m09.91s NA  
## decstr-23d29m32.98s NA  
## decstr-23d32m53.78s NA  
## decstr-23d33m29.68s NA  
## decstr-23d37m10.92s NA  
## decstr-23d46m52.47s NA  
## decstr-23d49m11.25s NA  
## decstr-23d51m39.40s NA  
## decstr-23d55m26.84s NA  
## decstr-23d56m08.84s NA  
## decstr-23d56m45.97s NA  
## decstr-23d58m31.76s NA  
## decstr-24d05m57.07s NA  
## decstr-24d08m12.87s NA  
## decstr-24d10m47.26s NA  
## decstr-24d18m12.62s NA  
## decstr-24d22m08.14s NA  
## decstr-24d25m38.60s NA  
## decstr-24d25m43.30s NA  
## decstr-24d27m15.13s NA  
## decstr-24d41m44.07s NA  
## decstr-24d53m31.56s NA  
## decstr-24d59m26.17s NA  
## decstr-25d10m16.82s NA  
## decstr-25d12m31.69s NA  
## decstr-25d16m34.67s NA  
## decstr-25d18m08.31s NA  
## decstr-25d18m34.82s NA  
## decstr-25d20m58.80s NA  
## decstr-25d24m32.12s NA  
## decstr-25d31m41.64s NA  
## decstr-25d35m41.63s NA  
## decstr-25d38m46.76s NA  
## decstr-25d41m14.55s NA  
## decstr-25d41m30.39s NA  
## decstr-25d44m54.12s NA  
## decstr-25d48m11.42s NA  
## decstr-25d59m27.79s NA  
## decstr-26d01m37.83s NA  
## decstr-26d03m14.92s NA  
## decstr-26d04m39.23s NA  
## decstr-26d05m48.19s NA  
## decstr-26d30m54.14s NA  
## decstr-26d36m58.95s NA  
## decstr-26d39m34.30s NA  
## decstr-26d41m34.32s NA  
## decstr-26d43m25.93s NA  
## decstr-26d44m24.73s NA  
## decstr-26d47m51.61s NA  
## decstr-26d53m38.64s NA  
## decstr-27d02m01.52s NA  
## decstr-27d03m01.50s NA  
## decstr-27d04m41.23s NA  
## decstr-27d23m34.14s NA  
## decstr-27d31m20.02s NA  
## decstr-27d37m23.96s NA  
## decstr-27d37m24.34s NA  
## decstr-27d38m10.02s NA  
## decstr-27d50m29.74s NA  
## decstr-27d50m35.29s NA  
## decstr-27d58m21.27s NA  
## decstr-28d03m42.46s NA  
## decstr-28d04m22.03s NA  
## decstr-28d11m49.97s NA  
## decstr-28d25m08.67s NA  
## decstr-28d33m39.00s NA  
## decstr-28d35m01.80s NA  
## decstr-28d35m08.16s NA  
## decstr-28d42m38.10s NA  
## decstr-28d46m50.30s NA  
## decstr-28d47m02.82s NA  
## decstr-28d51m15.67s NA  
## decstr-29d03m31.16s NA  
## decstr-29d09m21.83s NA  
## decstr-29d24m51.49s NA  
## decstr-29d24m59.35s NA  
## decstr-29d25m18.15s NA  
## decstr-29d32m36.11s NA  
## decstr-29d38m42.37s NA  
## decstr-29d46m36.41s NA  
## decstr-29d48m01.60s NA  
## decstr-29d49m00.45s NA  
## decstr-29d52m35.31s NA  
## decstr-29d53m49.89s NA  
## decstr-29d55m02.11s NA  
## decstr-29d56m16.50s NA  
## decstr-29d59m49.64s NA  
## decstr-30d00m46.94s NA  
## decstr-30d02m14.40s NA  
## decstr-30d10m08.68s NA  
## decstr-30d10m30.50s NA  
## decstr-30d20m53.35s NA  
## decstr-30d23m58.06s NA  
## decstr-30d35m00.99s NA  
## decstr-30d36m01.57s NA  
## decstr-30d37m00.63s NA  
## decstr-30d38m23.34s NA  
## decstr-30d44m58.99s NA  
## decstr-30d48m16.71s NA  
## decstr-30d48m42.48s NA  
## decstr-30d48m50.62s NA  
## decstr-30d58m14.94s NA  
## decstr-31d08m39.62s NA  
## decstr-31d09m46.78s NA  
## decstr-31d12m07.45s NA  
## decstr-31d14m39.82s NA  
## decstr-31d16m09.16s NA  
## decstr-31d17m41.44s NA  
## decstr-31d20m32.82s NA  
## decstr-31d28m51.61s NA  
## decstr-31d44m16.21s NA  
## decstr-31d52m28.83s NA  
## decstr-32d09m34.96s NA  
## decstr-32d19m13.50s NA  
## decstr-32d20m22.03s NA  
## decstr-32d31m30.01s NA  
## decstr-32d32m37.07s NA  
## decstr-32d39m47.08s NA  
## decstr-32d43m34.90s NA  
## decstr-32d45m19.51s NA  
## decstr-32d48m01.25s NA  
## decstr-32d51m30.20s NA  
## decstr-32d51m36.45s NA  
## decstr-32d55m15.02s NA  
## decstr-33d26m14.45s NA  
## decstr-33d34m02.00s NA  
## decstr-33d34m39.65s NA  
## decstr-33d43m46.88s NA  
## decstr-33d51m36.28s NA  
## decstr-33d52m54.09s NA  
## decstr-33d54m54.96s NA  
## decstr-33d55m15.85s NA  
## decstr-34d06m25.82s NA  
## decstr-34d07m21.88s NA  
## decstr-34d08m08.61s NA  
## decstr-34d08m08.70s NA  
## decstr-34d11m54.53s NA  
## decstr-34d13m34.37s NA  
## decstr-34d19m41.78s NA  
## decstr-34d27m32.75s NA  
## decstr-34d27m34.01s NA  
## decstr-34d29m29.08s NA  
## decstr-34d34m44.73s NA  
## decstr-34d36m40.70s NA  
## decstr-34d40m05.70s NA  
## decstr-34d55m31.97s NA  
## decstr-34d59m23.67s NA  
## decstr-34d59m51.95s NA  
## decstr-35d01m52.81s NA  
## decstr-35d03m22.25s NA  
## decstr-35d06m52.28s NA  
## decstr-35d07m00.16s NA  
## decstr-35d18m52.75s NA  
## decstr-35d23m27.31s NA  
## decstr-35d25m40.23s NA  
## decstr-35d29m23.73s NA  
## decstr-35d32m22.28s NA  
## decstr-35d32m54.99s NA  
## decstr-35d34m16.69s NA  
## decstr-35d38m26.03s NA  
## decstr-35d47m47.84s NA  
## decstr-35d51m11.0s NA  
## decstr-35d59m54.47s NA  
## decstr-36d37m51.53s NA  
## decstr-36d38m46.07s NA  
## decstr-36d51m29.19s NA  
## decstr-37d02m20.89s NA  
## decstr-37d13m51.41s NA  
## decstr-37d33m12.08s NA  
## decstr-37d37m41.61s NA  
## decstr-37d44m41.58s NA  
## decstr-37d45m50.89s NA  
## decstr-37d46m51.57s NA  
## decstr-37d48m10.16s NA  
## decstr-37d48m44.06s NA  
## decstr-37d49m46.12s NA  
## decstr-37d54m36.48s NA  
## decstr-37d55m02.04s NA  
## decstr-37d56m23.03s NA  
## decstr-37d58m59.25s NA  
## decstr-38d08m22.98s NA  
## decstr-38d10m28.70s NA  
## decstr-38d19m24.18s NA  
## decstr-38d22m38.71s NA  
## decstr-38d44m40.37s NA  
## decstr-38d58m05.87s NA  
## decstr-39d01m56.48s NA  
## decstr-39d05m50.17s NA  
## decstr-39d11m34.68s NA  
## decstr-39d13m31.75s NA  
## decstr-39d13m49.76s NA  
## decstr-39d29m25.77s NA  
## decstr-39d42m16.00s NA  
## decstr-39d44m14.06s NA  
## decstr-39d45m29.02s NA  
## decstr-39d47m27.15s NA  
## decstr-39d54m03.24s NA  
## decstr-39d54m25.64s NA  
## decstr-40d02m40.31s NA  
## decstr-40d02m54.38s NA  
## decstr-40d19m06.47s NA  
## decstr-40d23m39.28s NA  
## decstr-40d29m55.04s NA  
## decstr-40d32m37.32s NA  
## decstr-40d34m24.46s NA  
## decstr-40d39m21.83s NA  
## decstr-40d47m54.67s NA  
## decstr-40d48m43.72s NA  
## decstr-40d53m17.73s NA  
## decstr-41d13m30.74s NA  
## decstr-41d14m38.53s NA  
## decstr-41d16m12.36s NA  
## decstr-41d16m37.99s NA  
## decstr-41d18m07.28s NA  
## decstr-41d19m06.32s NA  
## decstr-41d23m05.50s NA  
## decstr-41d23m52.95s NA  
## decstr-41d25m15.95s NA  
## decstr-41d26m15.50s NA  
## decstr-41d27m52.57s NA  
## decstr-41d29m39.88s NA  
## decstr-41d44m15.99s NA  
## decstr-41d49m15.54s NA  
## decstr-41d57m38.38s NA  
## decstr-42d03m42.41s NA  
## decstr-42d03m50.25s NA  
## decstr-42d04m25.02s NA  
## decstr-42d24m35.14s NA  
## decstr-42d28m30.98s NA  
## decstr-42d34m32.60s NA  
## decstr-42d42m17.88s NA  
## decstr-42d43m55.70s NA  
## decstr-42d45m44.03s NA  
## decstr-42d45m46.90s NA  
## decstr-42d58m47.81s NA  
## decstr-43d03m59.95s NA  
## decstr-43d08m46.44s NA  
## decstr-43d16m21.80s NA  
## decstr-43d18m37.35s NA  
## decstr-43d26m12.74s NA  
## decstr-43d30m17.34s NA  
## decstr-44d05m19.33s NA  
## decstr-44d15m15.00s NA  
## decstr-44d18m43.48s NA  
## decstr-44d19m23.71s NA  
## decstr-44d26m06.21s NA  
## decstr-44d30m51.52s NA  
## decstr-44d41m19.82s NA  
## decstr-44d52m35.35s NA  
## decstr-44d53m15.43s NA  
## decstr-45d02m34.87s NA  
## decstr-45d39m32.79s NA  
## decstr-45d40m40.06s NA  
## decstr-45d46m44.46s NA  
## decstr-45d47m58.04s NA  
## decstr-45d53m53.68s NA  
## decstr-45d55m21.31s NA  
## decstr-46d03m59.45s NA  
## decstr-46d08m11.11s NA  
## decstr-46d09m34.26s NA  
## decstr-46d19m03.03s NA  
## decstr-46d20m00.09s NA  
## decstr-46d27m52.86s NA  
## decstr-46d29m03.47s NA  
## decstr-46d35m15.78s NA  
## decstr-46d42m53.00s NA  
## decstr-46d49m00.03s NA  
## decstr-46d49m16.91s NA  
## decstr-46d53m56.34s NA  
## decstr-47d09m17.77s NA  
## decstr-47d14m15.27s NA  
## decstr-47d16m18.86s NA  
## decstr-47d21m38.29s NA  
## decstr-47d33m43.31s NA  
## decstr-47d35m16.14s NA  
## decstr-47d36m49.24s NA  
## decstr-47d54m52.86s NA  
## decstr-47d56m15.14s NA  
## decstr-48d00m11.16s NA  
## decstr-48d19m07.74s NA  
## decstr-48d27m43.50s NA  
## decstr-48d32m30.58s NA  
## decstr-48d33m00.83s NA  
## decstr-48d35m55.08s NA  
## decstr-48d39m15.34s NA  
## decstr-48d40m43.83s NA  
## decstr-48d58m42.28s NA  
## decstr-49d00m45.06s NA  
## decstr-49d04m31.30s NA  
## decstr-49d08m18.65s NA  
## decstr-49d20m06.80s NA  
## decstr-49d25m02.16s NA  
## decstr-49d26m02.77s NA  
## decstr-49d39m53.79s NA  
## decstr-49d47m25.89s NA  
## decstr-49d56m56.15s NA  
## decstr-49d57m50.11s NA  
## decstr-50d00m29.50s NA  
## decstr-50d04m02.46s NA  
## decstr-50d05m36.92s NA  
## decstr-50d10m51.22s NA  
## decstr-50d12m42.09s NA  
## decstr-50d16m04.44s NA  
## decstr-50d17m03.93s NA  
## decstr-50d17m34.05s NA  
## decstr-50d27m47.14s NA  
## decstr-50d37m22.11s NA  
## decstr-50d39m33.51s NA  
## decstr-50d47m57.65s NA  
## decstr-50d49m15.58s NA  
## decstr-50d49m56.15s NA  
## decstr-51d03m58.13s NA  
## decstr-51d19m32.70s NA  
## decstr-51d21m46.99s NA  
## decstr-51d38m16.00s NA  
## decstr-51d39m52.07s NA  
## decstr-51d50m05.55s NA  
## decstr-51d55m53.42s NA  
## decstr-51d55m58.48s NA  
## decstr-51d57m26.62s NA  
## decstr-52d07m13.61s NA  
## decstr-52d22m59.73s NA  
## decstr-52d26m46.86s NA  
## decstr-52d28m04.34s NA  
## decstr-52d38m47.31s NA  
## decstr-52d50m26.94s NA  
## decstr-52d54m58.44s NA  
## decstr-53d22m16.24s NA  
## decstr-53d39m50.50s NA  
## decstr-53d44m28.63s NA  
## decstr-53d44m37.53s NA  
## decstr-53d56m26.79s NA  
## decstr-54d10m39.80s NA  
## decstr-54d15m55.24s NA  
## decstr-54d27m54.59s NA  
## decstr-54d31m57.82s NA  
## decstr-54d33m34.56s NA  
## decstr-54d48m45.41s NA  
## decstr-54d49m50.96s NA  
## decstr-54d53m36.03s NA  
## decstr-54d54m37.52s NA  
## decstr-55d15m36.07s NA  
## decstr-55d18m41.54s NA  
## decstr-55d19m48.97s NA  
## decstr-55d46m19.20s NA  
## decstr-55d52m18.71s NA  
## decstr-56d02m25.47s NA  
## decstr-56d11m30.73s NA  
## decstr-56d18m57.97s NA  
## decstr-56d19m19.59s NA  
## decstr-56d20m39.41s NA  
## decstr-56d26m59.29s NA  
## decstr-56d27m44.23s NA  
## decstr-56d35m59.27s NA  
## decstr-56d37m24.80s NA  
## decstr-56d38m59.96s NA  
## decstr-56d40m51.74s NA  
## decstr-56d47m48.85s NA  
## decstr-56d50m35.22s NA  
## decstr-56d54m14.35s NA  
## decstr-56d55m31.40s NA  
## decstr-57d23m05.99s NA  
## decstr-57d32m33.23s NA  
## decstr-58d00m19.37s NA  
## decstr-58d01m14.91s NA  
## decstr-58d01m28.86s NA  
## decstr-58d08m56.16s NA  
## decstr-58d12m35.11s NA  
## decstr-58d19m23.78s NA  
## decstr-58d39m51.82s NA  
## decstr-58d42m14.45s NA  
## decstr-58d50m10.13s NA  
## decstr-58d54m17.01s NA  
## decstr-58d56m45.91s NA  
## decstr-59d18m10.36s NA  
## decstr-59d24m34.84s NA  
## decstr-59d28m41.09s NA  
## decstr-59d32m27.55s NA  
## decstr-59d34m45.66s NA  
## decstr-59d41m35.93s NA  
## decstr-59d51m53.38s NA  
## decstr-59d56m33.32s NA  
## decstr-60d01m25.42s NA  
## decstr-60d03m56.63s NA  
## decstr-60d04m38.02s NA  
## decstr-60d12m02.50s NA  
## decstr-60d18m30.36s NA  
## decstr-60d26m52.15s NA  
## decstr-60d30m41.36s NA  
## decstr-60d31m16.71s NA  
## decstr-60d38m05.15s NA  
## decstr-60d44m23.67s NA  
## decstr-60d53m30.34s NA  
## decstr-60d54m19.66s NA  
## decstr-61d05m42.94s NA  
## decstr-61d08m07.68s NA  
## decstr-61d21m18.14s NA  
## decstr-61d24m20.51s NA  
## decstr-61d25m20.55s NA  
## decstr-61d35m12.70s NA  
## decstr-61d41m24.46s NA  
## decstr-61d44m50.64s NA  
## decstr-61d45m22.08s NA  
## decstr-61d57m26.09s NA  
## decstr-61d59m49.96s NA  
## decstr-62d27m19.93s NA  
## decstr-62d28m09.54s NA  
## decstr-62d40m34.26s NA  
## decstr-62d42m06.59s NA  
## decstr-62d46m02.16s NA  
## decstr-62d49m25.53s NA  
## decstr-63d15m37.19s NA  
## decstr-63d30m00.60s NA  
## decstr-63d31m04.00s NA  
## decstr-63d33m56.34s NA  
## decstr-63d38m48.08s NA  
## decstr-63d39m20.49s NA  
## decstr-63d59m17.98s NA  
## decstr-64d01m20.46s NA  
## decstr-64d01m37.34s NA  
## decstr-64d37m12.98s NA  
## decstr-64d42m45.72s NA  
## decstr-65d11m10.77s NA  
## decstr-65d11m37.61s NA  
## decstr-65d26m58.92s NA  
## decstr-65d34m43.01s NA  
## decstr-65d38m46.77s NA  
## decstr-65d39m09.78s NA  
## decstr-65d49m33.02s NA  
## decstr-66d06m50.13s NA  
## decstr-66d11m19.30s NA  
## decstr-66d21m32.14s NA  
## decstr-66d28m04.02s NA  
## decstr-66d40m34.86s NA  
## decstr-66d41m11.87s NA  
## decstr-66d48m01.71s NA  
## decstr-67d15m55.30s NA  
## decstr-67d19m25.68s NA  
## decstr-67d38m49.15s NA  
## decstr-68d06m09.68s NA  
## decstr-68d18m52.08s NA  
## decstr-68d25m28.80s NA  
## decstr-68d45m46.76s NA  
## decstr-68d50m00.03s NA  
## decstr-69d13m35.73s NA  
## decstr-69d56m42.24s NA  
## decstr-70d01m28.27s NA  
## decstr-70d04m24.22s NA  
## decstr-70d08m17.66s NA  
## decstr-70d09m10.30s NA  
## decstr-70d29m06.26s NA  
## decstr-70d54m11.69s NA  
## decstr-71d21m41.87s NA  
## decstr-71d25m20.96s NA  
## decstr-71d52m36.74s NA  
## decstr-71d53m43.90s NA  
## decstr-72d19m18.92s NA  
## decstr-72d21m24.14s NA  
## decstr-72d48m16.71s NA  
## decstr-73d36m21.73s NA  
## decstr-73d41m59.33s NA  
## decstr-73d57m27.16s NA  
## decstr-74d24m36.26s NA  
## decstr-75d11m56.20s NA  
## decstr-75d20m57.26s NA  
## decstr-75d21m05.40s NA  
## decstr-75d32m39.37s NA  
## decstr-75d38m47.62s NA  
## decstr-76d18m14.52s NA  
## decstr-76d40m50.18s NA  
## decstr-77d20m19.69s NA  
## decstr-77d23m07.18s NA  
## decstr-77d23m27.91s NA  
## decstr-77d43m05.96s NA  
## decstr-78d01m25.26s NA  
## decstr-78d16m44.93s NA  
## decstr-79d51m05.12s NA  
## decstr-80d12m15.90s NA  
## decstr-80d27m52.57s NA  
## decstr-81d15m02.68s NA  
## decstr-81d27m15.39s NA  
## decstr-81d46m06.42s NA  
## decstr-82d01m38.97s NA  
## decstr-82d13m07.93s NA  
## decstr-83d44m37.56s NA  
## decstr-84d13m54.30s NA  
## decstr-86d58m47.87s NA  
## decstr-88d07m16.00s NA  
## decstr+00d06m16.09s NA  
## decstr+00d07m18.61s NA  
## decstr+00d13m36.82s NA  
## decstr+00d15m16.85s NA  
## decstr+00d18m24.08s NA  
## decstr+00d24m30.82s NA  
## decstr+00d26m40.94s NA  
## decstr+00d29m35.40s NA  
## decstr+00d36m12.95s NA  
## decstr+00d44m45.65s NA  
## decstr+00d45m31.77s NA  
## decstr+00d47m21.63s NA  
## decstr+00d47m57.44s NA  
## decstr+00d48m54.78s NA  
## decstr+00d53m46.60s NA  
## decstr+00d56m14.20s NA  
## decstr+01d03m54.08s NA  
## decstr+01d10m03.31s NA  
## decstr+01d12m01.84s NA  
## decstr+01d13m50.25s NA  
## decstr+01d17m09.12s NA  
## decstr+01d18m00.55s NA  
## decstr+01d23m01.19s NA  
## decstr+01d25m34.67s NA  
## decstr+01d32m31.20s NA  
## decstr+01d41m26.24s NA  
## decstr+01d43m44.43s NA  
## decstr+01d46m03.18s NA  
## decstr+01d51m32.79s NA  
## decstr+01d51m35.62s NA  
## decstr+01d53m37.81s NA  
## decstr+02d03m44.20s NA  
## decstr+02d05m04.04s NA  
## decstr+02d05m54.92s NA  
## decstr+02d11m46.69s NA  
## decstr+02d14m40.85s NA  
## decstr+02d20m06.10s NA  
## decstr+02d20m35.83s NA  
## decstr+02d22m15.79s NA  
## decstr+02d25m05.50s NA  
## decstr+02d25m52.58s NA  
## decstr+02d34m50.78s NA  
## decstr+02d35m38.84s NA  
## decstr+02d42m01.40s NA  
## decstr+02d42m10.02s NA  
## decstr+02d42m15.91s NA  
## decstr+02d45m36.39s NA  
## decstr+02d48m56.91s NA  
## decstr+02d49m15.57s NA  
## decstr+03d00m25.68s NA  
## decstr+03d05m45.28s NA  
## decstr+03d16m56.52s NA  
## decstr+03d17m38.22s NA  
## decstr+03d19m36.12s NA  
## decstr+03d20m13.79s NA  
## decstr+03d23m50.06s NA  
## decstr+03d28m27.17s NA  
## decstr+03d29m06.05s NA  
## decstr+03d42m38.04s NA  
## decstr+03d48m12.01s NA  
## decstr+03d51m59.41s NA  
## decstr+04d03m33.90s NA  
## decstr+04d15m53.76s NA  
## decstr+04d21m27.91s NA  
## decstr+04d22m50.60s NA  
## decstr+04d34m30.90s NA  
## decstr+04d34m38.04s NA  
## decstr+04d34m50.05s NA  
## decstr+04d37m56.54s NA  
## decstr+04d40m20.68s NA  
## decstr+04d47m13.30s NA  
## decstr+04d57m38.45s NA  
## decstr+05d09m47.38s NA  
## decstr+05d24m36.27s NA  
## decstr+05d27m45.03s NA  
## decstr+05d32m18.17s NA  
## decstr+05d34m25.29s NA  
## decstr+05d36m19.34s NA  
## decstr+05d42m02.97s NA  
## decstr+05d50m12.72s NA  
## decstr+05d54m10.32s NA  
## decstr+05d56m15.57s NA  
## decstr+05d56m50.51s NA  
## decstr+06d03m34.24s NA  
## decstr+06d05m49.50s NA  
## decstr+06d12m14.68s NA  
## decstr+06d12m57.97s NA  
## decstr+06d13m09.00s NA  
## decstr+06d20m49.31s NA  
## decstr+06d20m59.64s NA  
## decstr+06d24m25.71s NA  
## decstr+06d24m44.34s NA  
## decstr+06d25m45.59s NA  
## decstr+06d28m30.84s NA  
## decstr+06d28m46.45s NA  
## decstr+06d30m49.76s NA  
## decstr+06d33m49.62s NA  
## decstr+06d39m47.54s NA  
## decstr+06d46m55.11s NA  
## decstr+06d49m00.22s NA  
## decstr+06d50m09.36s NA  
## decstr+06d52m07.85s NA  
## decstr+06d56m44.46s NA  
## decstr+06d58m11.22s NA  
## decstr+07d03m22.61s NA  
## decstr+07d11m00.05s NA  
## decstr+07d11m00.15s NA  
## decstr+07d16m51.26s NA  
## decstr+07d21m09.78s NA  
## decstr+07d21m09.97s NA  
## decstr+07d26m06.28s NA  
## decstr+07d35m16.19s NA  
## decstr+07d50m42.18s NA  
## decstr+08d21m28.51s NA  
## decstr+08d27m39.98s NA  
## decstr+08d31m22.86s NA  
## decstr+08d38m34.39s NA  
## decstr+08d45m39.89s NA  
## decstr+09d10m44.65s NA  
## decstr+09d11m07.19s NA  
## decstr+09d44m43.57s NA  
## decstr+09d44m57.91s NA  
## decstr+09d59m52.73s NA  
## decstr+10d01m56.68s NA  
## decstr+10d02m17.16s NA  
## decstr+10d02m25.55s NA  
## decstr+10d07m43.85s NA  
## decstr+10d12m23.71s NA  
## decstr+10d14m47.68s NA  
## decstr+10d22m21.14s NA  
## decstr+10d27m46.58s NA  
## decstr+10d28m09.18s NA  
## decstr+10d35m49.91s NA  
## decstr+10d44m20.03s NA  
## decstr+10d47m40.94s NA  
## decstr+10d50m12.47s NA  
## decstr+10d50m20.90s NA  
## decstr+10d50m51.21s NA  
## decstr+10d56m01.04s NA  
## decstr+10d58m58.62s NA  
## decstr+11d03m22.23s NA  
## decstr+11d03m53.94s NA  
## decstr+11d12m41.65s NA  
## decstr+11d15m00.08s NA  
## decstr+11d15m05.93s NA  
## decstr+11d30m39.94s NA  
## decstr+11d33m45.49s NA  
## decstr+11d41m32.94s NA  
## decstr+11d41m42.25s NA  
## decstr+11d41m43.53s NA  
## decstr+11d45m13.38s NA  
## decstr+11d53m02.61s NA  
## decstr+11d55m08.66s NA  
## decstr+11d55m20.12s NA  
## decstr+11d58m25.26s NA  
## decstr+11d59m21.72s NA  
## decstr+12d08m21.65s NA  
## decstr+12d16m54.66s NA  
## decstr+12d21m07.24s NA  
## decstr+12d30m25.29s NA  
## decstr+12d37m15.38s NA  
## decstr+12d52m53.68s NA  
## decstr+12d57m35.89s NA  
## decstr+13d02m39.54s NA  
## decstr+13d13m59.00s NA  
## decstr+13d14m22.03s NA  
## decstr+13d21m58.72s NA  
## decstr+13d23m20.01s NA  
## decstr+13d31m09.07s NA  
## decstr+13d33m02.59s NA  
## decstr+13d46m34.71s NA  
## decstr+14d03m16.86s NA  
## decstr+14d07m26.47s NA  
## decstr+14d15m45.38s NA  
## decstr+14d22m04.33s NA  
## decstr+14d30m07.40s NA  
## decstr+14d36m58.75s NA  
## decstr+14d41m21.78s NA  
## decstr+15d14m51.73s NA  
## decstr+15d20m05.80s NA  
## decstr+15d23m28.35s NA  
## decstr+15d25m50.20s NA  
## decstr+15d32m48.30s NA  
## decstr+15d33m31.68s NA  
## decstr+15d39m21.23s NA  
## decstr+15d39m22.88s NA  
## decstr+15d40m50.17s NA  
## decstr+16d02m25.73s NA  
## decstr+16d25m10.26s NA  
## decstr+16d28m27.68s NA  
## decstr+16d29m39.39s NA  
## decstr+16d37m56.39s NA  
## decstr+16d45m43.73s NA  
## decstr+16d51m53.65s NA  
## decstr+16d52m03.70s NA  
## decstr+16d54m06.36s NA  
## decstr+16d54m45.24s NA  
## decstr+17d00m57.74s NA  
## decstr+17d05m08.59s NA  
## decstr+17d27m25.79s NA  
## decstr+17d27m37.92s NA  
## decstr+17d28m31.03s NA  
## decstr+17d33m58.57s NA  
## decstr+17d34m11.87s NA  
## decstr+17d34m45.58s NA  
## decstr+17d38m23.91s NA  
## decstr+17d47m35.71s NA  
## decstr+17d49m48.10s NA  
## decstr+17d53m41.93s NA  
## decstr+18d06m17.20s NA  
## decstr+18d11m08.62s NA  
## decstr+18d11m22.59s NA  
## decstr+18d14m06.94s NA  
## decstr+18d23m46.17s NA  
## decstr+18d27m53.82s NA  
## decstr+18d35m45.42s NA  
## decstr+18d38m44.71s NA  
## decstr+18d39m15.56s NA  
## decstr+18d43m47.83s NA  
## decstr+18d46m09.30s NA  
## decstr+18d53m03.27s NA  
## decstr+18d56m01.75s NA  
## decstr+18d57m12.09s NA  
## decstr+18d58m35.83s NA  
## decstr+19d01m12.57s NA  
## decstr+19d05m32.43s NA  
## decstr+19d07m11.88s NA  
## decstr+19d10m49.00s NA  
## decstr+19d16m37.05s NA  
## decstr+19d24m07.40s NA  
## decstr+19d33m30.26s NA  
## decstr+19d41m54.24s NA  
## decstr+19d46m25.39s NA  
## decstr+19d53m28.55s NA  
## decstr+19d56m13.20s NA  
## decstr+20d04m57.71s NA  
## decstr+20d06m21.63s NA  
## decstr+20d09m25.31s NA  
## decstr+20d13m36.54s NA  
## decstr+20d15m17.65s NA  
## decstr+20d17m32.33s NA  
## decstr+20d21m33.62s NA  
## decstr+20d21m52.59s NA  
## decstr+20d26m29.55s NA  
## decstr+20d26m54.21s NA  
## decstr+20d27m34.16s NA  
## decstr+20d29m29.49s NA  
## decstr+20d31m36.79s NA  
## decstr+20d35m56.47s NA  
## decstr+20d43m44.32s NA  
## decstr+20d46m08.74s NA  
## decstr+21d00m18.97s NA  
## decstr+21d05m49.67s NA  
## decstr+21d08m02.54s NA  
## decstr+21d14m23.72s NA  
## decstr+21d14m55.98s NA  
## decstr+21d16m52.78s NA  
## decstr+21d17m39.27s NA  
## decstr+21d17m54.69s NA  
## decstr+21d27m11.79s NA  
## decstr+21d32m53.52s NA  
## decstr+21d37m00.86s NA  
## decstr+21d53m40.87s NA  
## decstr+21d56m53.16s NA  
## decstr+22d09m09.41s NA  
## decstr+22d14m09.31s NA  
## decstr+22d17m57.66s NA  
## decstr+22d28m20.83s NA  
## decstr+22d42m35.19s NA  
## decstr+22d52m45.98s NA  
## decstr+22d52m57.24s NA  
## decstr+22d55m54.97s NA  
## decstr+23d03m20.47s NA  
## decstr+23d07m58.62s NA  
## decstr+23d22m29.57s NA  
## decstr+23d46m03.56s NA  
## decstr+23d56m17.59s NA  
## decstr+24d04m35.63s NA  
## decstr+24d07m38.09s NA  
## decstr+24d08m34.57s NA  
## decstr+24d12m17.00s NA  
## decstr+24d14m42.51s NA  
## decstr+24d20m10.03s NA  
## decstr+24d21m39.52s NA  
## decstr+24d24m05.96s NA  
## decstr+24d27m50.19s NA  
## decstr+24d38m52.84s NA  
## decstr+24d38m54.50s NA  
## decstr+24d53m21.40s NA  
## decstr+25d11m50.48s NA  
## decstr+25d24m48.83s NA  
## decstr+25d28m56.64s NA  
## decstr+25d34m23.29s NA  
## decstr+25d40m53.94s NA  
## decstr+25d42m38.15s NA  
## decstr+25d43m52.13s NA  
## decstr+25d44m31.10s NA  
## decstr+25d55m13.56s NA  
## decstr+26d00m24.17s NA  
## decstr+26d18m37.47s NA  
## decstr+26d19m39.65s NA  
## decstr+26d25m07.76s NA  
## decstr+26d25m35.78s NA  
## decstr+26d37m02.21s NA  
## decstr+26d41m33.63s NA  
## decstr+26d42m11.04s NA  
## decstr+26d44m34.46s NA  
## decstr+26d52m20.58s NA  
## decstr+26d52m39.42s NA  
## decstr+27d12m51.76s NA  
## decstr+27d15m07.86s NA  
## decstr+27d18m11.06s NA  
## decstr+27d21m47.28s NA  
## decstr+27d27m07.21s NA  
## decstr+27d28m13.49s NA  
## decstr+27d37m27.98s NA  
## decstr+28d05m59.92s NA  
## decstr+28d10m10.65s NA  
## decstr+28d18m23.60s NA  
## decstr+28d19m47.34s NA  
## decstr+28d22m57.77s NA  
## decstr+28d29m58.25s NA  
## decstr+28d33m57.66s NA  
## decstr+29d01m20.10s NA  
## decstr+29d03m58.35s NA  
## decstr+29d13m41.38s NA  
## decstr+29d15m53.71s NA  
## decstr+29d23m19.12s NA  
## decstr+29d34m21.61s NA  
## decstr+29d36m57.68s NA  
## decstr+29d40m20.16s NA  
## decstr+29d52m44.55s NA  
## decstr+29d53m40.35s NA  
## decstr+30d14m41.84s NA  
## decstr+30d17m11.75s NA  
## decstr+30d26m42.61s NA  
## decstr+30d29m17.48s NA  
## decstr+30d38m24.52s NA  
## decstr+30d40m24.17s NA  
## decstr+30d57m25.68s NA  
## decstr+30d57m27.53s NA  
## decstr+30d58m30.22s NA  
## decstr+31d09m21.28s NA  
## decstr+31d13m09.12s NA  
## decstr+31d27m45.90s NA  
## decstr+31d33m04.16s NA  
## decstr+31d33m14.33s NA  
## decstr+31d39m08.76s NA  
## decstr+31d39m39.67s NA  
## decstr+31d44m22.36s NA  
## decstr+31d47m15.07s NA  
## decstr+31d49m33.19s NA  
## decstr+31d51m37.58s NA  
## decstr+31d59m23.90s NA  
## decstr+32d05m02.56s NA  
## decstr+32d14m45.76s NA  
## decstr+32d18m59.24s NA  
## decstr+32d34m51.76s NA  
## decstr+32d48m38.52s NA  
## decstr+33d00m44.37s NA  
## decstr+33d03m24.08s NA  
## decstr+33d15m59.27s NA  
## decstr+33d18m00.67s NA  
## decstr+33d19m04.63s NA  
## decstr+33d21m17.74s NA  
## decstr+33d44m39.80s NA  
## decstr+33d50m06.08s NA  
## decstr+33d52m56.38s NA  
## decstr+33d54m17.39s NA  
## decstr+33d57m02.08s NA  
## decstr+34d08m03.02s NA  
## decstr+34d14m31.19s NA  
## decstr+34d25m08.36s NA  
## decstr+34d34m45.62s NA  
## decstr+34d36m02.51s NA  
## decstr+34d42m41.05s NA  
## decstr+34d43m42.25s NA  
## decstr+34d46m50.12s NA  
## decstr+34d54m52.80s NA  
## decstr+34d59m07.19s NA  
## decstr+35d24m29.21s NA  
## decstr+35d26m49.84s NA  
## decstr+35d27m16.58s NA  
## decstr+35d38m55.05s NA  
## decstr+35d39m21.17s NA  
## decstr+35d39m41.15s NA  
## decstr+36d12m46.64s NA  
## decstr+36d13m46.36s NA  
## decstr+36d17m46.66s NA  
## decstr+36d33m24.69s NA  
## decstr+36d33m47.27s NA  
## decstr+36d34m12.63s NA  
## decstr+36d34m38.44s NA  
## decstr+36d37m17.26s NA  
## decstr+36d37m57.13s NA  
## decstr+36d44m36.35s NA  
## decstr+36d47m13.11s NA  
## decstr+36d48m23.78s NA  
## decstr+36d48m55.78s NA  
## decstr+37d01m18.57s NA  
## decstr+37d03m33.33s NA  
## decstr+37d06m44.21s NA  
## decstr+37d08m26.14s NA  
## decstr+37d12m42.26s NA  
## decstr+37d13m16.34s NA  
## decstr+37d14m13.10s NA  
## decstr+37d15m09.57s NA  
## decstr+37d17m13.80s NA  
## decstr+37d17m20.76s NA  
## decstr+37d19m14.74s NA  
## decstr+37d21m18.57s NA  
## decstr+37d22m34.27s NA  
## decstr+37d22m34.54s NA  
## decstr+37d23m13.17s NA  
## decstr+37d24m40.84s NA  
## decstr+37d24m42.96s NA  
## decstr+37d31m44.28s NA  
## decstr+37d32m14.33s NA  
## decstr+37d32m46.78s NA  
## decstr+37d33m01.60s NA  
## decstr+37d34m04.06s NA  
## decstr+37d34m50.77s NA  
## decstr+37d36m33.26s NA  
## decstr+37d40m58.05s NA  
## decstr+37d41m19.72s NA  
## decstr+37d43m23.23s NA  
## decstr+37d44m57.94s NA  
## decstr+37d45m05.30s NA  
## decstr+37d45m32.43s NA  
## decstr+37d45m59.58s NA  
## decstr+37d46m11.54s NA  
## decstr+37d49m46.61s NA  
## decstr+37d50m06.20s NA  
## decstr+37d50m46.15s NA  
## decstr+37d51m05.96s NA  
## decstr+37d51m33.28s NA  
## decstr+37d51m36.60s NA  
## decstr+37d53m28.62s NA  
## decstr+37d54m08.52s NA  
## decstr+37d54m20.27s NA  
## decstr+37d56m04.45s NA  
## decstr+37d57m09.92s NA  
## decstr+37d57m20.42s NA  
## decstr+37d57m52.44s NA  
## decstr+37d58m01.01s NA  
## decstr+37d58m11.41s NA  
## decstr+37d58m16.95s NA  
## decstr+37d58m28.04s NA  
## decstr+37d59m49.45s NA  
## decstr+38d00m34.35s NA  
## decstr+38d00m50.59s NA  
## decstr+38d01m19.15s NA  
## decstr+38d02m08.90s NA  
## decstr+38d03m18.12s NA  
## decstr+38d03m27.19s NA  
## decstr+38d04m47.42s NA  
## decstr+38d05m17.15s NA  
## decstr+38d05m18.31s NA  
## decstr+38d06m52.74s NA  
## decstr+38d07m34.54s NA  
## decstr+38d07m38.85s NA  
## decstr+38d08m42.74s NA  
## decstr+38d11m03.07s NA  
## decstr+38d12m42.82s NA  
## decstr+38d12m59.62s NA  
## decstr+38d13m44.67s NA  
## decstr+38d13m59.12s NA  
## decstr+38d14m31.81s NA  
## decstr+38d15m05.91s NA  
## decstr+38d15m29.40s NA  
## decstr+38d15m44.05s NA  
## decstr+38d15m58.62s NA  
## decstr+38d16m01.19s NA  
## decstr+38d16m24.95s NA  
## decstr+38d17m40.95s NA  
## decstr+38d17m49.32s NA  
## decstr+38d18m34.64s NA  
## decstr+38d19m06.61s NA  
## decstr+38d20m24.04s NA  
## decstr+38d20m37.42s NA  
## decstr+38d20m44.00s NA  
## decstr+38d20m51.13s NA  
## decstr+38d21m19.70s NA  
## decstr+38d21m29.41s NA  
## decstr+38d21m47.38s NA  
## decstr+38d22m08.90s NA  
## decstr+38d22m29.54s NA  
## decstr+38d23m02.73s NA  
## decstr+38d23m36.38s NA  
## decstr+38d23m51.86s NA  
## decstr+38d23m58.43s NA  
## decstr+38d24m02.95s NA  
## decstr+38d24m18.87s NA  
## decstr+38d24m37.15s NA  
## decstr+38d25m22.51s NA  
## decstr+38d27m25.05s NA  
## decstr+38d27m29.55s NA  
## decstr+38d28m22.38s NA  
## decstr+38d28m37.98s NA  
## decstr+38d29m40.77s NA  
## decstr+38d29m42.87s NA  
## decstr+38d29m53.49s NA  
## decstr+38d30m53.65s NA  
## decstr+38d31m14.55s NA  
## decstr+38d31m19.14s NA  
## decstr+38d31m24.86s NA  
## decstr+38d32m23.48s NA  
## decstr+38d32m44.06s NA  
## decstr+38d32m54.77s NA  
## decstr+38d33m54.71s NA  
## decstr+38d34m22.48s NA  
## decstr+38d35m29.75s NA  
## decstr+38d36m40.00s NA  
## decstr+38d37m21.58s NA  
## decstr+38d38m13.34s NA  
## decstr+38d38m20.59s NA  
## decstr+38d38m40.02s NA  
## decstr+38d38m59.04s NA  
## decstr+38d39m15.13s NA  
## decstr+38d39m15.71s NA  
## decstr+38d39m21.40s NA  
## decstr+38d39m27.16s NA  
## decstr+38d40m20.32s NA  
## decstr+38d40m29.71s NA  
## decstr+38d41m27.62s NA  
## decstr+38d42m08.17s NA  
## decstr+38d42m36.80s NA  
## decstr+38d42m50.90s NA  
## decstr+38d43m41.78s NA  
## decstr+38d44m08.43s NA  
## decstr+38d44m08.65s NA  
## decstr+38d44m18.84s NA  
## decstr+38d44m25.08s NA  
## decstr+38d44m36.60s NA  
## decstr+38d45m14.70s NA  
## decstr+38d46m27.94s NA  
## decstr+38d46m46.38s NA  
## decstr+38d47m15.92s NA  
## decstr+38d47m25.67s NA  
## decstr+38d47m43.78s NA  
## decstr+38d48m21.02s NA  
## decstr+38d49m14.52s NA  
## decstr+38d51m23.73s NA  
## decstr+38d51m45.13s NA  
## decstr+38d51m47.84s NA  
## decstr+38d51m59.26s NA  
## decstr+38d52m19.96s NA  
## decstr+38d52m29.69s NA  
## decstr+38d52m32.18s NA  
## decstr+38d52m53.66s NA  
## decstr+38d53m31.02s NA  
## decstr+38d53m31.90s NA  
## decstr+38d53m40.22s NA  
## decstr+38d54m53.81s NA  
## decstr+38d55m20.52s NA  
## decstr+38d55m20.84s NA  
## decstr+38d55m40.61s NA  
## decstr+38d55m56.85s NA  
## decstr+38d56m12.32s NA  
## decstr+38d56m21.20s NA  
## decstr+38d56m33.83s NA  
## decstr+38d56m44.13s NA  
## decstr+38d56m44.96s NA  
## decstr+38d56m47.90s NA  
## decstr+38d56m50.15s NA  
## decstr+38d56m50.43s NA  
## decstr+38d57m36.28s NA  
## decstr+38d57m45.83s NA  
## decstr+38d58m00.89s NA  
## decstr+38d58m05.21s NA  
## decstr+38d59m48.81s NA  
## decstr+39d01m19.84s NA  
## decstr+39d01m45.94s NA  
## decstr+39d01m55.38s NA  
## decstr+39d02m10.72s NA  
## decstr+39d02m52.93s NA  
## decstr+39d03m06.44s NA  
## decstr+39d03m38.81s NA  
## decstr+39d04m25.43s NA  
## decstr+39d04m38.13s NA  
## decstr+39d05m09.51s NA  
## decstr+39d05m13.80s NA  
## decstr+39d05m40.09s NA  
## decstr+39d05m45.70s NA  
## decstr+39d05m53.23s NA  
## decstr+39d06m54.73s NA  
## decstr+39d07m15.38s NA  
## decstr+39d07m36.74s NA  
## decstr+39d07m38.52s NA  
## decstr+39d07m51.59s NA  
## decstr+39d08m30.03s NA  
## decstr+39d08m40.95s NA  
## decstr+39d09m11.85s NA  
## decstr+39d09m41.81s NA  
## decstr+39d10m23.75s NA  
## decstr+39d10m38.25s NA  
## decstr+39d12m05.05s NA  
## decstr+39d12m43.49s NA  
## decstr+39d12m44.78s NA  
## decstr+39d13m12.63s NA  
## decstr+39d13m14.19s NA  
## decstr+39d13m38.25s NA  
## decstr+39d13m49.90s NA  
## decstr+39d14m09.01s NA  
## decstr+39d14m25.83s NA  
## decstr+39d14m39.02s NA  
## decstr+39d14m57.02s NA  
## decstr+39d14m59.46s NA  
## decstr+39d15m10.15s NA  
## decstr+39d15m22.06s NA  
## decstr+39d15m27.89s NA  
## decstr+39d16m08.19s NA  
## decstr+39d16m13.29s NA  
## decstr+39d16m41.65s NA  
## decstr+39d16m48.25s NA  
## decstr+39d17m06.96s NA  
## decstr+39d17m22.70s NA  
## decstr+39d18m26.45s NA  
## decstr+39d18m30.04s NA  
## decstr+39d18m51.32s NA  
## decstr+39d18m57.36s NA  
## decstr+39d19m11.71s NA  
## decstr+39d19m57.71s NA  
## decstr+39d20m19.73s NA  
## decstr+39d20m20.75s NA  
## decstr+39d22m13.03s NA  
## decstr+39d22m14.90s NA  
## decstr+39d22m35.26s NA  
## decstr+39d22m46.09s NA  
## decstr+39d22m59.53s NA  
## decstr+39d23m01.66s NA  
## decstr+39d23m28.82s NA  
## decstr+39d23m47.80s NA  
## decstr+39d23m54.27s NA  
## decstr+39d24m12.26s NA  
## decstr+39d24m21.51s NA  
## decstr+39d25m03.25s NA  
## decstr+39d26m48.41s NA  
## decstr+39d26m48.58s NA  
## decstr+39d27m28.81s NA  
## decstr+39d27m38.17s NA  
## decstr+39d29m16.45s NA  
## decstr+39d31m11.41s NA  
## decstr+39d31m18.11s NA  
## decstr+39d31m22.34s NA  
## decstr+39d31m24.29s NA  
## decstr+39d31m37.29s NA  
## decstr+39d32m22.90s NA  
## decstr+39d33m00.41s NA  
## decstr+39d33m21.84s NA  
## decstr+39d33m49.31s NA  
## decstr+39d34m22.25s NA  
## decstr+39d35m41.11s NA  
## decstr+39d35m54.73s NA  
## decstr+39d36m13.04s NA  
## decstr+39d37m08.30s NA  
## decstr+39d37m51.31s NA  
## decstr+39d38m15.09s NA  
## decstr+39d38m21.41s NA  
## decstr+39d39m31.06s NA  
## decstr+39d39m56.89s NA  
## decstr+39d40m40.87s NA  
## decstr+39d40m59.26s NA  
## decstr+39d42m21.96s NA  
## decstr+39d42m29.54s NA  
## decstr+39d43m21.73s NA  
## decstr+39d43m55.19s NA  
## decstr+39d44m40.76s NA  
## decstr+39d46m04.29s NA  
## decstr+39d46m14.32s NA  
## decstr+39d46m17.31s NA  
## decstr+39d46m53.53s NA  
## decstr+39d47m01.85s NA  
## decstr+39d47m07.84s NA  
## decstr+39d49m00.87s NA  
## decstr+39d49m26.38s NA  
## decstr+39d49m30.16s NA  
## decstr+39d50m52.37s NA  
## decstr+39d51m17.29s NA  
## decstr+39d52m21.02s NA  
## decstr+39d52m38.04s NA  
## decstr+39d52m59.09s NA  
## decstr+39d53m11.42s NA  
## decstr+39d53m53.49s NA  
## decstr+39d54m28.42s NA  
## decstr+39d54m42.80s NA  
## decstr+39d54m43.87s NA  
## decstr+39d54m50.82s NA  
## decstr+39d55m01.24s NA  
## decstr+39d55m16.82s NA  
## decstr+39d56m02.00s NA  
## decstr+39d56m20.10s NA  
## decstr+39d56m32.63s NA  
## decstr+39d56m42.27s NA  
## decstr+39d56m56.49s NA  
## decstr+39d57m10.30s NA  
## decstr+39d57m24.81s NA  
## decstr+39d58m43.48s NA  
## decstr+39d59m52.54s NA  
## decstr+40d00m03.88s NA  
## decstr+40d00m30.55s NA  
## decstr+40d01m07.29s NA  
## decstr+40d01m39.64s NA  
## decstr+40d01m59.63s NA  
## decstr+40d03m18.49s NA  
## decstr+40d03m52.15s NA  
## decstr+40d05m12.91s NA  
## decstr+40d05m51.76s NA  
## decstr+40d07m31.53s NA  
## decstr+40d07m57.07s NA  
## decstr+40d08m13.08s NA  
## decstr+40d08m18.88s NA  
## decstr+40d08m32.14s NA  
## decstr+40d08m32.91s NA  
## decstr+40d08m34.03s NA  
## decstr+40d08m36.05s NA  
## decstr+40d08m39.83s NA  
## decstr+40d09m13.33s NA  
## decstr+40d09m46.22s NA  
## decstr+40d09m50.92s NA  
## decstr+40d11m03.45s NA  
## decstr+40d11m40.68s NA  
## decstr+40d12m41.12s NA  
## decstr+40d12m47.48s NA  
## decstr+40d13m15.44s NA  
## decstr+40d13m41.42s NA  
## decstr+40d13m45.60s NA  
## decstr+40d14m06.16s NA  
## decstr+40d14m10.50s NA  
## decstr+40d14m27.68s NA  
## decstr+40d14m42.72s NA  
## decstr+40d14m58.73s NA  
## decstr+40d16m11.34s NA  
## decstr+40d16m42.80s NA  
## decstr+40d16m59.71s NA  
## decstr+40d17m05.67s NA  
## decstr+40d17m15.78s NA  
## decstr+40d17m30.80s NA  
## decstr+40d17m35.06s NA  
## decstr+40d18m01.99s NA  
## decstr+40d18m40.33s NA  
## decstr+40d20m35.40s NA  
## decstr+40d20m37.32s NA  
## decstr+40d20m39.10s NA  
## decstr+40d20m46.52s NA  
## decstr+40d21m08.70s NA  
## decstr+40d21m18.81s NA  
## decstr+40d21m29.58s NA  
## decstr+40d21m46.39s NA  
## decstr+40d21m57.27s NA  
## decstr+40d21m57.69s NA  
## decstr+40d21m59.03s NA  
## decstr+40d22m30.11s NA  
## decstr+40d22m51.07s NA  
## decstr+40d23m16.60s NA  
## decstr+40d23m20.44s NA  
## decstr+40d23m51.75s NA  
## decstr+40d24m35.57s NA  
## decstr+40d25m03.51s NA  
## decstr+40d25m13.64s NA  
## decstr+40d25m18.34s NA  
## decstr+40d25m39.14s NA  
## decstr+40d25m49.78s NA  
## decstr+40d26m22.47s NA  
## decstr+40d28m39.91s NA  
## decstr+40d28m48.19s NA  
## decstr+40d29m26.25s NA  
## decstr+40d29m45.90s NA  
## decstr+40d31m15.23s NA  
## decstr+40d31m30.73s NA  
## decstr+40d31m50.63s NA  
## decstr+40d32m49.89s NA  
## decstr+40d32m54.20s NA  
## decstr+40d32m54.58s NA  
## decstr+40d33m10.10s NA  
## decstr+40d33m23.69s NA  
## decstr+40d33m26.76s NA  
## decstr+40d33m27.15s NA  
## decstr+40d33m44.99s NA  
## decstr+40d34m03.71s NA  
## decstr+40d34m07.95s NA  
## decstr+40d34m17.80s NA  
## decstr+40d34m20.54s NA  
## decstr+40d34m29.65s NA  
## decstr+40d34m38.32s NA  
## decstr+40d35m26.53s NA  
## decstr+40d35m30.52s NA  
## decstr+40d36m18.71s NA  
## decstr+40d36m57.80s NA  
## decstr+40d37m06.41s NA  
## decstr+40d38m16.13s NA  
## decstr+40d38m53.47s NA  
## decstr+40d39m04.63s NA  
## decstr+40d39m22.23s NA  
## decstr+40d39m47.99s NA  
## decstr+40d39m51.04s NA  
## decstr+40d40m04.45s NA  
## decstr+40d40m09.89s NA  
## decstr+40d40m14.76s NA  
## decstr+40d40m50.67s NA  
## decstr+40d40m53.85s NA  
## decstr+40d41m06.78s NA  
## decstr+40d41m31.47s NA  
## decstr+40d41m42.15s NA  
## decstr+40d41m47.76s NA  
## decstr+40d42m01.54s NA  
## decstr+40d42m09.85s NA  
## decstr+40d42m31.45s NA  
## decstr+40d43m11.39s NA  
## decstr+40d43m16.34s NA  
## decstr+40d43m20.02s NA  
## decstr+40d43m54.95s NA  
## decstr+40d44m24.15s NA  
## decstr+40d45m00.76s NA  
## decstr+40d45m02.49s NA  
## decstr+40d45m30.31s NA  
## decstr+40d45m50.85s NA  
## decstr+40d46m36.96s NA  
## decstr+40d46m42.74s NA  
## decstr+40d47m03.91s NA  
## decstr+40d47m34.04s NA  
## decstr+40d48m02.53s NA  
## decstr+40d48m24.44s NA  
## decstr+40d48m40.99s NA  
## decstr+40d49m20.57s NA  
## decstr+40d49m59.22s NA  
## decstr+40d50m19.61s NA  
## decstr+40d50m37.87s NA  
## decstr+40d51m01.78s NA  
## decstr+40d51m10.55s NA  
## decstr+40d51m24.88s NA  
## decstr+40d52m02.02s NA  
## decstr+40d52m07.44s NA  
## decstr+40d52m37.66s NA  
## decstr+40d53m15.65s NA  
## decstr+40d53m55.75s NA  
## decstr+40d53m56.58s NA  
## decstr+40d54m48.75s NA  
## decstr+40d54m58.46s NA  
## decstr+40d55m09.78s NA  
## decstr+40d55m59.42s NA  
## decstr+40d56m05.28s NA  
## decstr+40d56m10.29s NA  
## decstr+40d56m32.54s NA  
## decstr+40d56m56.18s NA  
## decstr+40d57m14.14s NA  
## decstr+40d58m38.12s NA  
## decstr+40d58m44.59s NA  
## decstr+40d58m47.53s NA  
## decstr+40d59m18.98s NA  
## decstr+40d59m25.47s NA  
## decstr+40d59m40.80s NA  
## decstr+41d00m39.67s NA  
## decstr+41d00m48.36s NA  
## decstr+41d01m18.61s NA  
## decstr+41d01m23.50s NA  
## decstr+41d01m40.87s NA  
## decstr+41d01m47.34s NA  
## decstr+41d02m08.70s NA  
## decstr+41d02m10.77s NA  
## decstr+41d02m16.85s NA  
## decstr+41d02m23.72s NA  
## decstr+41d02m25.83s NA  
## decstr+41d02m26.69s NA  
## decstr+41d02m28.51s NA  
## decstr+41d02m52.66s NA  
## decstr+41d03m25.32s NA  
## decstr+41d03m39.52s NA  
## decstr+41d03m49.84s NA  
## decstr+41d03m51.02s NA  
## decstr+41d04m10.23s NA  
## decstr+41d05m09.14s NA  
## decstr+41d05m23.04s NA  
## decstr+41d05m31.48s NA  
## decstr+41d05m50.34s NA  
## decstr+41d06m36.24s NA  
## decstr+41d06m41.02s NA  
## decstr+41d07m00.01s NA  
## decstr+41d07m49.02s NA  
## decstr+41d08m07.46s NA  
## decstr+41d08m15.23s NA  
## decstr+41d08m37.67s NA  
## decstr+41d09m02.85s NA  
## decstr+41d09m03.99s NA  
## decstr+41d09m04.28s NA  
## decstr+41d09m29.10s NA  
## decstr+41d10m58.13s NA  
## decstr+41d11m44.62s NA  
## decstr+41d11m46.84s NA  
## decstr+41d11m53.31s NA  
## decstr+41d12m03.94s NA  
## decstr+41d12m06.32s NA  
## decstr+41d12m13.03s NA  
## decstr+41d12m31.81s NA  
## decstr+41d13m17.74s NA  
## decstr+41d13m19.21s NA  
## decstr+41d13m28.06s NA  
## decstr+41d13m35.19s NA  
## decstr+41d13m44.17s NA  
## decstr+41d14m14.97s NA  
## decstr+41d14m27.98s NA  
## decstr+41d14m41.07s NA  
## decstr+41d15m20.62s NA  
## decstr+41d15m40.31s NA  
## decstr+41d16m22.08s NA  
## decstr+41d16m38.52s NA  
## decstr+41d16m45.01s NA  
## decstr+41d16m56.80s NA  
## decstr+41d17m42.74s NA  
## decstr+41d17m52.27s NA  
## decstr+41d17m56.56s NA  
## decstr+41d18m00.16s NA  
## decstr+41d18m06.29s NA  
## decstr+41d18m19.50s NA  
## decstr+41d18m20.06s NA  
## decstr+41d18m33.58s NA  
## decstr+41d19m04.67s NA  
## decstr+41d19m18.48s NA  
## decstr+41d19m52.91s NA  
## decstr+41d20m08.05s NA  
## decstr+41d20m08.43s NA  
## decstr+41d20m46.99s NA  
## decstr+41d21m19.83s NA  
## decstr+41d21m48.70s NA  
## decstr+41d21m54.06s NA  
## decstr+41d22m25.53s NA  
## decstr+41d22m37.80s NA  
## decstr+41d22m53.16s NA  
## decstr+41d23m05.08s NA  
## decstr+41d23m11.50s NA  
## decstr+41d23m17.05s NA  
## decstr+41d23m33.59s NA  
## decstr+41d23m37.81s NA  
## decstr+41d24m13.73s NA  
## decstr+41d24m28.05s NA  
## decstr+41d24m36.76s NA  
## decstr+41d25m00.62s NA  
## decstr+41d25m12.75s NA  
## decstr+41d25m29.35s NA  
## decstr+41d26m09.47s NA  
## decstr+41d26m27.68s NA  
## decstr+41d27m06.23s NA  
## decstr+41d27m08.53s NA  
## decstr+41d27m52.42s NA  
## decstr+41d28m17.59s NA  
## decstr+41d30m54.18s NA  
## decstr+41d31m23.97s NA  
## decstr+41d31m59.73s NA  
## decstr+41d32m00.92s NA  
## decstr+41d32m05.93s NA  
## decstr+41d32m28.32s NA  
## decstr+41d32m33.99s NA  
## decstr+41d32m50.92s NA  
## decstr+41d33m17.45s NA  
## decstr+41d33m29.09s NA  
## decstr+41d33m46.88s NA  
## decstr+41d33m56.80s NA  
## decstr+41d34m28.32s NA  
## decstr+41d34m30.66s NA  
## decstr+41d34m36.22s NA  
## decstr+41d35m20.10s NA  
## decstr+41d35m25.49s NA  
## decstr+41d36m10.46s NA  
## decstr+41d36m21.17s NA  
## decstr+41d36m54.39s NA  
## decstr+41d36m54.94s NA  
## decstr+41d37m01.95s NA  
## decstr+41d37m03.87s NA  
## decstr+41d37m46.76s NA  
## decstr+41d37m54.78s NA  
## decstr+41d37m57.58s NA  
## decstr+41d37m59.93s NA  
## decstr+41d38m08.16s NA  
## decstr+41d38m34.52s NA  
## decstr+41d38m40.72s NA  
## decstr+41d39m01.83s NA  
## decstr+41d39m42.21s NA  
## decstr+41d39m50.43s NA  
## decstr+41d40m42.92s NA  
## decstr+41d41m24.41s NA  
## decstr+41d41m56.53s NA  
## decstr+41d42m11.94s NA  
## decstr+41d42m23.18s NA  
## decstr+41d42m41.23s NA  
## decstr+41d43m37.00s NA  
## decstr+41d43m44.95s NA  
## decstr+41d43m48.55s NA  
## decstr+41d44m29.67s NA  
## decstr+41d44m33.72s NA  
## decstr+41d44m46.26s NA  
## decstr+41d45m20.14s NA  
## decstr+41d45m29.07s NA  
## decstr+41d45m29.97s NA  
## decstr+41d45m42.64s NA  
## decstr+41d46m33.53s NA  
## decstr+41d46m42.52s NA  
## decstr+41d46m53.92s NA  
## decstr+41d46m56.13s NA  
## decstr+41d47m13.07s NA  
## decstr+41d47m47.88s NA  
## decstr+41d48m30.30s NA  
## decstr+41d48m43.28s NA  
## decstr+41d49m18.62s NA  
## decstr+41d49m47.98s NA  
## decstr+41d50m01.83s NA  
## decstr+41d50m13.54s NA  
## decstr+41d51m39.37s NA  
## decstr+41d52m00.46s NA  
## decstr+41d52m18.51s NA  
## decstr+41d52m29.90s NA  
## decstr+41d52m40.59s NA  
## decstr+41d53m02.74s NA  
## decstr+41d53m04.86s NA  
## decstr+41d53m21.47s NA  
## decstr+41d53m28.03s NA  
## decstr+41d53m28.43s NA  
## decstr+41d53m34.14s NA  
## decstr+41d54m02.29s NA  
## decstr+41d54m32.79s NA  
## decstr+41d57m03.85s NA  
## decstr+41d57m08.47s NA  
## decstr+41d57m10.75s NA  
## decstr+41d58m00.98s NA  
## decstr+41d58m43.09s NA  
## decstr+41d59m20.25s NA  
## decstr+41d59m24.50s NA  
## decstr+41d59m37.93s NA  
## decstr+42d00m05.14s NA  
## decstr+42d00m09.08s NA  
## decstr+42d00m24.86s NA  
## decstr+42d00m53.21s NA  
## decstr+42d01m05.14s NA  
## decstr+42d01m24.11s NA  
## decstr+42d01m37.93s NA  
## decstr+42d02m02.26s NA  
## decstr+42d02m09.52s NA  
## decstr+42d02m25.81s NA  
## decstr+42d02m45.58s NA  
## decstr+42d03m40.84s NA  
## decstr+42d03m44.83s NA  
## decstr+42d04m13.21s NA  
## decstr+42d04m21.34s NA  
## decstr+42d04m32.17s NA  
## decstr+42d04m44.84s NA  
## decstr+42d05m07.12s NA  
## decstr+42d05m45.71s NA  
## decstr+42d06m57.52s NA  
## decstr+42d06m59.29s NA  
## decstr+42d07m54.26s NA  
## decstr+42d08m30.71s NA  
## decstr+42d08m32.22s NA  
## decstr+42d09m02.86s NA  
## decstr+42d09m56.56s NA  
## decstr+42d09m57.80s NA  
## decstr+42d09m59.44s NA  
## decstr+42d10m35.28s NA  
## decstr+42d10m49.70s NA  
## decstr+42d11m30.64s NA  
## decstr+42d11m41.36s NA  
## decstr+42d11m46.86s NA  
## decstr+42d11m52.35s NA  
## decstr+42d12m45.06s NA  
## decstr+42d12m47.41s NA  
## decstr+42d12m52.48s NA  
## decstr+42d13m19.56s NA  
## decstr+42d13m38.63s NA  
## decstr+42d13m59.80s NA  
## decstr+42d14m13.30s NA  
## decstr+42d14m14.01s NA  
## decstr+42d14m50.53s NA  
## decstr+42d14m51.33s NA  
## decstr+42d14m53.06s NA  
## decstr+42d15m09.51s NA  
## decstr+42d15m40.99s NA  
## decstr+42d15m54.17s NA  
## decstr+42d16m04.24s NA  
## decstr+42d17m11.59s NA  
## decstr+42d17m27.35s NA  
## decstr+42d17m56.01s NA  
## decstr+42d18m05.11s NA  
## decstr+42d19m12.21s NA  
## decstr+42d20m18.88s NA  
## decstr+42d20m29.43s NA  
## decstr+42d20m33.29s NA  
## decstr+42d21m00.55s NA  
## decstr+42d21m16.39s NA  
## decstr+42d21m20.08s NA  
## decstr+42d22m13.47s NA  
## decstr+42d22m42.37s NA  
## decstr+42d22m47.25s NA  
## decstr+42d22m49.11s NA  
## decstr+42d23m48.94s NA  
## decstr+42d24m23.37s NA  
## decstr+42d24m49.03s NA  
## decstr+42d25m20.31s NA  
## decstr+42d25m27.42s NA  
## decstr+42d25m58.64s NA  
## decstr+42d26m10.85s NA  
## decstr+42d26m14.16s NA  
## decstr+42d26m25.19s NA  
## decstr+42d26m25.38s NA  
## decstr+42d27m01.47s NA  
## decstr+42d27m03.95s NA  
## decstr+42d27m17.89s NA  
## decstr+42d27m34.65s NA  
## decstr+42d27m35.18s NA  
## decstr+42d27m44.87s NA  
## decstr+42d27m47.15s NA  
## decstr+42d27m49.73s NA  
## decstr+42d27m57.55s NA  
## decstr+42d28m16.42s NA  
## decstr+42d28m22.07s NA  
## decstr+42d28m31.15s NA  
## decstr+42d28m41.18s NA  
## decstr+42d28m51.64s NA  
## decstr+42d29m53.33s NA  
## decstr+42d30m58.30s NA  
## decstr+42d31m40.59s NA  
## decstr+42d32m05.89s NA  
## decstr+42d32m29.07s NA  
## decstr+42d32m33.63s NA  
## decstr+42d32m45.15s NA  
## decstr+42d33m18.81s NA  
## decstr+42d33m34.81s NA  
## decstr+42d34m34.43s NA  
## decstr+42d35m26.68s NA  
## decstr+42d35m47.02s NA  
## decstr+42d35m55.67s NA  
## decstr+42d36m15.05s NA  
## decstr+42d36m20.39s NA  
## decstr+42d36m34.04s NA  
## decstr+42d37m29.81s NA  
## decstr+42d37m34.01s NA  
## decstr+42d37m34.47s NA  
## decstr+42d38m09.79s NA  
## decstr+42d38m26.62s NA  
## decstr+42d38m53.75s NA  
## decstr+42d39m06.32s NA  
## decstr+42d39m09.63s NA  
## decstr+42d39m16.07s NA  
## decstr+42d39m21.81s NA  
## decstr+42d39m28.04s NA  
## decstr+42d39m31.80s NA  
## decstr+42d39m48.17s NA  
## decstr+42d39m57.00s NA  
## decstr+42d40m07.15s NA  
## decstr+42d40m53.45s NA  
## decstr+42d41m08.42s NA  
## decstr+42d41m46.07s NA  
## decstr+42d42m30.82s NA  
## decstr+42d43m14.10s NA  
## decstr+42d43m35.34s NA  
## decstr+42d43m39.85s NA  
## decstr+42d43m40.80s NA  
## decstr+42d44m34.59s NA  
## decstr+42d45m05.71s NA  
## decstr+42d45m24.59s NA  
## decstr+42d45m51.64s NA  
## decstr+42d46m05.84s NA  
## decstr+42d46m31.99s NA  
## decstr+42d46m40.14s NA  
## decstr+42d46m46.73s NA  
## decstr+42d46m55.07s NA  
## decstr+42d48m23.13s NA  
## decstr+42d48m24.16s NA  
## decstr+42d48m34.24s NA  
## decstr+42d48m42.27s NA  
## decstr+42d48m49.74s NA  
## decstr+42d49m20.49s NA  
## decstr+42d49m29.38s NA  
## decstr+42d49m32.01s NA  
## decstr+42d49m44.96s NA  
## decstr+42d50m23.34s NA  
## decstr+42d50m43.23s NA  
## decstr+42d51m17.61s NA  
## decstr+42d52m00.09s NA  
## decstr+42d52m02.97s NA  
## decstr+42d52m09.39s NA  
## decstr+42d52m50.80s NA  
## decstr+42d52m57.00s NA  
## decstr+42d52m58.27s NA  
## decstr+42d53m47.20s NA  
## decstr+42d53m53.62s NA  
## decstr+42d54m31.39s NA  
## decstr+42d54m34.06s NA  
## decstr+42d54m46.57s NA  
## decstr+42d55m43.90s NA  
## decstr+42d56m06.72s NA  
## decstr+42d56m36.14s NA  
## decstr+42d57m26.75s NA  
## decstr+42d57m50.00s NA  
## decstr+42d57m58.17s NA  
## decstr+42d58m39.86s NA  
## decstr+42d58m52.60s NA  
## decstr+43d00m32.04s NA  
## decstr+43d00m34.15s NA  
## decstr+43d00m44.77s NA  
## decstr+43d00m51.48s NA  
## decstr+43d01m33.80s NA  
## decstr+43d01m47.20s NA  
## decstr+43d02m13.34s NA  
## decstr+43d02m21.10s NA  
## decstr+43d02m21.76s NA  
## decstr+43d02m36.09s NA  
## decstr+43d02m39.85s NA  
## decstr+43d02m43.51s NA  
## decstr+43d03m00.14s NA  
## decstr+43d03m22.31s NA  
## decstr+43d04m23.62s NA  
## decstr+43d04m25.24s NA  
## decstr+43d04m28.62s NA  
## decstr+43d04m59.59s NA  
## decstr+43d05m01.91s NA  
## decstr+43d05m07.47s NA  
## decstr+43d07m18.32s NA  
## decstr+43d07m28.47s NA  
## decstr+43d08m29.85s NA  
## decstr+43d08m30.59s NA  
## decstr+43d08m52.98s NA  
## decstr+43d09m11.44s NA  
## decstr+43d09m21.58s NA  
## decstr+43d09m45.12s NA  
## decstr+43d10m06.62s NA  
## decstr+43d10m47.18s NA  
## decstr+43d11m19.68s NA  
## decstr+43d11m24.43s NA  
## decstr+43d11m50.12s NA  
## decstr+43d11m54.16s NA  
## decstr+43d12m33.64s NA  
## decstr+43d12m34.93s NA  
## decstr+43d12m57.64s NA  
## decstr+43d13m39.96s NA  
## decstr+43d13m57.72s NA  
## decstr+43d14m37.97s NA  
## decstr+43d14m38.71s NA  
## decstr+43d14m56.37s NA  
## decstr+43d15m38.71s NA  
## decstr+43d16m19.28s NA  
## decstr+43d16m21.88s NA  
## decstr+43d16m27.81s NA  
## decstr+43d16m47.52s NA  
## decstr+43d17m35.03s NA  
## decstr+43d19m13.83s NA  
## decstr+43d19m21.36s NA  
## decstr+43d19m58.84s NA  
## decstr+43d19m59.03s NA  
## decstr+43d20m08.20s NA  
## decstr+43d20m46.84s NA  
## decstr+43d21m16.52s NA  
## decstr+43d21m16.60s NA  
## decstr+43d21m48.51s NA  
## decstr+43d21m49.89s NA  
## decstr+43d21m50.67s NA  
## decstr+43d22m05.27s NA  
## decstr+43d22m05.50s NA  
## decstr+43d22m19.05s NA  
## decstr+43d22m42.20s NA  
## decstr+43d22m45.71s NA  
## decstr+43d23m01.40s NA  
## decstr+43d24m01.63s NA  
## decstr+43d24m11.59s NA  
## decstr+43d24m37.32s NA  
## decstr+43d24m41.60s NA  
## decstr+43d25m15.35s NA  
## decstr+43d25m31.57s NA  
## decstr+43d25m36.64s NA  
## decstr+43d25m57.14s NA  
## decstr+43d26m09.13s NA  
## decstr+43d26m27.79s NA  
## decstr+43d27m40.19s NA  
## decstr+43d28m16.96s NA  
## decstr+43d28m21.87s NA  
## decstr+43d29m35.20s NA  
## decstr+43d29m35.92s NA  
## decstr+43d29m51.31s NA  
## decstr+43d29m54.50s NA  
## decstr+43d29m59.23s NA  
## decstr+43d30m12.66s NA  
## decstr+43d30m53.66s NA  
## decstr+43d31m32.05s NA  
## decstr+43d31m38.21s NA  
## decstr+43d32m12.42s NA  
## decstr+43d32m15.23s NA  
## decstr+43d32m18.76s NA  
## decstr+43d33m20.89s NA  
## decstr+43d33m59.27s NA  
## decstr+43d34m52.89s NA  
## decstr+43d35m42.73s NA  
## decstr+43d36m20.20s NA  
## decstr+43d36m58.02s NA  
## decstr+43d37m45.28s NA  
## decstr+43d37m52.50s NA  
## decstr+43d38m37.64s NA  
## decstr+43d39m24.13s NA  
## decstr+43d39m30.98s NA  
## decstr+43d39m56.04s NA  
## decstr+43d40m14.60s NA  
## decstr+43d40m22.02s NA  
## decstr+43d40m51.46s NA  
## decstr+43d41m31.49s NA  
## decstr+43d42m10.94s NA  
## decstr+43d42m17.42s NA  
## decstr+43d42m39.80s NA  
## decstr+43d43m26.29s NA  
## decstr+43d43m55.42s NA  
## decstr+43d44m03.94s NA  
## decstr+43d44m19.68s NA  
## decstr+43d45m18.94s NA  
## decstr+43d45m48.50s NA  
## decstr+43d46m19.94s NA  
## decstr+43d46m27.58s NA  
## decstr+43d46m46.55s NA  
## decstr+43d47m18.13s NA  
## decstr+43d47m43.84s NA  
## decstr+43d48m10.06s NA  
## decstr+43d48m27.61s NA  
## decstr+43d48m51.41s NA  
## decstr+43d48m51.87s NA  
## decstr+43d48m58.90s NA  
## decstr+43d49m16.93s NA  
## decstr+43d49m22.09s NA  
## decstr+43d49m28.00s NA  
## decstr+43d49m31.61s NA  
## decstr+43d49m51.70s NA  
## decstr+43d49m55.22s NA  
## decstr+43d50m08.68s NA  
## decstr+43d50m28.30s NA  
## decstr+43d51m07.16s NA  
## decstr+43d51m11.56s NA  
## decstr+43d51m34.62s NA  
## decstr+43d51m36.69s NA  
## decstr+43d52m08.88s NA  
## decstr+43d52m24.15s NA  
## decstr+43d52m34.02s NA  
## decstr+43d52m52.22s NA  
## decstr+43d53m03.88s NA  
## decstr+43d53m17.15s NA  
## decstr+43d53m21.90s NA  
## decstr+43d53m23.81s NA  
## decstr+43d53m38.61s NA  
## decstr+43d53m47.38s NA  
## decstr+43d54m14.64s NA  
## decstr+43d54m39.12s NA  
## decstr+43d54m46.90s NA  
## decstr+43d54m48.81s NA  
## decstr+43d54m49.34s NA  
## decstr+43d54m54.24s NA  
## decstr+43d54m54.36s NA  
## decstr+43d55m08.36s NA  
## decstr+43d56m12.52s NA  
## decstr+43d56m56.92s NA  
## decstr+43d57m14.62s NA  
## decstr+43d57m17.96s NA  
## decstr+43d57m21.62s NA  
## decstr+43d57m30.54s NA  
## decstr+43d57m41.63s NA  
## decstr+43d57m47.06s NA  
## decstr+43d57m58.33s NA  
## decstr+43d58m48.88s NA  
## decstr+43d59m05.66s NA  
## decstr+43d59m08.48s NA  
## decstr+43d59m23.63s NA  
## decstr+43d59m52.87s NA  
## decstr+44d00m15.71s NA  
## decstr+44d00m31.08s NA  
## decstr+44d00m38.96s NA  
## decstr+44d01m29.03s NA  
## decstr+44d01m35.36s NA  
## decstr+44d01m36.93s NA  
## decstr+44d01m39.35s NA  
## decstr+44d01m43.22s NA  
## decstr+44d02m02.30s NA  
## decstr+44d02m06.14s NA  
## decstr+44d02m09.11s NA  
## decstr+44d02m34.29s NA  
## decstr+44d02m59.57s NA  
## decstr+44d03m44.90s NA  
## decstr+44d04m07.74s NA  
## decstr+44d04m39.67s NA  
## decstr+44d04m56.21s NA  
## decstr+44d05m14.61s NA  
## decstr+44d05m15.45s NA  
## decstr+44d05m16.09s NA  
## decstr+44d05m21.28s NA  
## decstr+44d05m28.54s NA  
## decstr+44d06m20.91s NA  
## decstr+44d06m25.28s NA  
## decstr+44d06m28.01s NA  
## decstr+44d06m37.92s NA  
## decstr+44d06m55.80s NA  
## decstr+44d07m00.30s NA  
## decstr+44d07m45.31s NA  
## decstr+44d07m56.46s NA  
## decstr+44d08m28.63s NA  
## decstr+44d08m30.52s NA  
## decstr+44d08m37.05s NA  
## decstr+44d08m44.75s NA  
## decstr+44d08m57.54s NA  
## decstr+44d08m59.83s NA  
## decstr+44d09m21.18s NA  
## decstr+44d09m33.66s NA  
## decstr+44d09m39.17s NA  
## decstr+44d09m58.33s NA  
## decstr+44d10m00.97s NA  
## decstr+44d10m15.38s NA  
## decstr+44d10m41.12s NA  
## decstr+44d10m45.94s NA  
## decstr+44d11m02.04s NA  
## decstr+44d12m30.40s NA  
## decstr+44d14m14.89s NA  
## decstr+44d14m44.90s NA  
## decstr+44d15m01.84s NA  
## decstr+44d15m35.23s NA  
## decstr+44d16m06.65s NA  
## decstr+44d16m27.56s NA  
## decstr+44d16m39.31s NA  
## decstr+44d17m02.47s NA  
## decstr+44d17m02.79s NA  
## decstr+44d17m32.96s NA  
## decstr+44d17m42.91s NA  
## decstr+44d18m05.58s NA  
## decstr+44d18m09.13s NA  
## decstr+44d18m18.24s NA  
## decstr+44d18m38.83s NA  
## decstr+44d18m43.79s NA  
## decstr+44d18m55.71s NA  
## decstr+44d19m30.82s NA  
## decstr+44d19m38.98s NA  
## decstr+44d20m15.18s NA  
## decstr+44d20m42.74s NA  
## decstr+44d20m43.56s NA  
## decstr+44d20m47.44s NA  
## decstr+44d22m13.93s NA  
## decstr+44d22m18.27s NA  
## decstr+44d22m52.47s NA  
## decstr+44d22m53.58s NA  
## decstr+44d23m13.35s NA  
## decstr+44d23m40.79s NA  
## decstr+44d23m52.41s NA  
## decstr+44d24m43.51s NA  
## decstr+44d24m44.03s NA  
## decstr+44d25m03.80s NA  
## decstr+44d25m19.75s NA  
## decstr+44d25m20.21s NA  
## decstr+44d25m30.86s NA  
## decstr+44d26m04.06s NA  
## decstr+44d26m07.06s NA  
## decstr+44d26m08.54s NA  
## decstr+44d26m53.71s NA  
## decstr+44d27m38.41s NA  
## decstr+44d27m55.46s NA  
## decstr+44d28m13.46s NA  
## decstr+44d28m39.83s NA  
## decstr+44d28m40.78s NA  
## decstr+44d28m44.51s NA  
## decstr+44d28m49.36s NA  
## decstr+44d29m17.38s NA  
## decstr+44d31m06.14s NA  
## decstr+44d31m07.40s NA  
## decstr+44d31m24.32s NA  
## decstr+44d31m32.97s NA  
## decstr+44d31m38.20s NA  
## decstr+44d31m44.57s NA  
## decstr+44d31m54.06s NA  
## decstr+44d32m45.26s NA  
## decstr+44d33m09.92s NA  
## decstr+44d33m20.73s NA  
## decstr+44d33m22.90s NA  
## decstr+44d33m23.06s NA  
## decstr+44d33m46.96s NA  
## decstr+44d34m02.93s NA  
## decstr+44d35m29.84s NA  
## decstr+44d36m20.25s NA  
## decstr+44d36m31.04s NA  
## decstr+44d36m31.12s NA  
## decstr+44d36m32.49s NA  
## decstr+44d36m35.43s NA  
## decstr+44d36m56.15s NA  
## decstr+44d37m02.52s NA  
## decstr+44d37m28.72s NA  
## decstr+44d37m56.30s NA  
## decstr+44d38m17.06s NA  
## decstr+44d38m29.53s NA  
## decstr+44d38m50.22s NA  
## decstr+44d39m11.62s NA  
## decstr+44d39m16.15s NA  
## decstr+44d39m52.66s NA  
## decstr+44d40m02.82s NA  
## decstr+44d40m19.83s NA  
## decstr+44d41m00.28s NA  
## decstr+44d41m17.74s NA  
## decstr+44d41m26.09s NA  
## decstr+44d41m38.05s NA  
## decstr+44d41m40.45s NA  
## decstr+44d41m59.96s NA  
## decstr+44d42m20.55s NA  
## decstr+44d42m29.76s NA  
## decstr+44d42m48.15s NA  
## decstr+44d43m57.61s NA  
## decstr+44d44m01.57s NA  
## decstr+44d44m13.42s NA  
## decstr+44d44m46.49s NA  
## decstr+44d45m03.65s NA  
## decstr+44d45m11.15s NA  
## decstr+44d45m23.60s NA  
## decstr+44d45m30.06s NA  
## decstr+44d45m46.63s NA  
## decstr+44d46m14.35s NA  
## decstr+44d46m18.79s NA  
## decstr+44d46m36.79s NA  
## decstr+44d46m46.51s NA  
## decstr+44d46m53.69s NA  
## decstr+44d46m58.29s NA  
## decstr+44d47m06.65s NA  
## decstr+44d47m34.02s NA  
## decstr+44d47m42.67s NA  
## decstr+44d47m51.50s NA  
## decstr+44d48m06.34s NA  
## decstr+44d48m41.62s NA  
## decstr+44d50m10.06s NA  
## decstr+44d50m17.42s NA  
## decstr+44d50m17.51s NA  
## decstr+44d50m22.08s NA  
## decstr+44d51m12.85s NA  
## decstr+44d51m28.31s NA  
## decstr+44d51m29.25s NA  
## decstr+44d52m07.92s NA  
## decstr+44d52m24.23s NA  
## decstr+44d52m25.59s NA  
## decstr+44d52m34.47s NA  
## decstr+44d53m14.45s NA  
## decstr+44d53m57.56s NA  
## decstr+44d54m00.21s NA  
## decstr+44d54m55.32s NA  
## decstr+44d55m00.30s NA  
## decstr+44d55m05.63s NA  
## decstr+44d55m15.61s NA  
## decstr+44d55m15.90s NA  
## decstr+44d55m23.72s NA  
## decstr+44d55m33.09s NA  
## decstr+44d55m38.25s NA  
## decstr+44d55m56.80s NA  
## decstr+44d55m57.15s NA  
## decstr+44d56m30.59s NA  
## decstr+44d57m21.78s NA  
## decstr+44d58m05.81s NA  
## decstr+44d58m57.16s NA  
## decstr+44d59m09.98s NA  
## decstr+44d59m32.75s NA  
## decstr+45d00m04.87s NA  
## decstr+45d00m27.87s NA  
## decstr+45d00m29.07s NA  
## decstr+45d01m00.89s NA  
## decstr+45d01m05.66s NA  
## decstr+45d02m03.90s NA  
## decstr+45d02m27.98s NA  
## decstr+45d02m56.50s NA  
## decstr+45d03m11.53s NA  
## decstr+45d03m12.11s NA  
## decstr+45d03m36.63s NA  
## decstr+45d03m56.14s NA  
## decstr+45d04m15.57s NA  
## decstr+45d04m26.72s NA  
## decstr+45d04m46.03s NA  
## decstr+45d04m51.98s NA  
## decstr+45d04m52.68s NA  
## decstr+45d05m02.66s NA  
## decstr+45d05m15.66s NA  
## decstr+45d06m09.68s NA  
## decstr+45d06m25.91s NA  
## decstr+45d06m52.33s NA  
## decstr+45d06m55.83s NA  
## decstr+45d08m11.85s NA  
## decstr+45d08m23.35s NA  
## decstr+45d08m24.30s NA  
## decstr+45d08m42.89s NA  
## decstr+45d09m05.49s NA  
## decstr+45d09m15.47s NA  
## decstr+45d09m31.40s NA  
## decstr+45d09m38.61s NA  
## decstr+45d10m19.99s NA  
## decstr+45d10m20.11s NA  
## decstr+45d10m45.07s NA  
## decstr+45d10m49.21s NA  
## decstr+45d11m31.88s NA  
## decstr+45d11m48.58s NA  
## decstr+45d11m54.01s NA  
## decstr+45d12m15.23s NA  
## decstr+45d12m31.76s NA  
## decstr+45d12m41.43s NA  
## decstr+45d12m49.27s NA  
## decstr+45d13m32.36s NA  
## decstr+45d13m38.23s NA  
## decstr+45d14m18.00s NA  
## decstr+45d14m33.16s NA  
## decstr+45d14m55.49s NA  
## decstr+45d15m29.10s NA  
## decstr+45d15m43.15s NA  
## decstr+45d16m27.13s NA  
## decstr+45d16m27.69s NA  
## decstr+45d17m24.99s NA  
## decstr+45d18m17.54s NA  
## decstr+45d18m21.90s NA  
## decstr+45d18m34.77s NA  
## decstr+45d18m55.52s NA  
## decstr+45d19m05.90s NA  
## decstr+45d19m23.14s NA  
## decstr+45d20m06.45s NA  
## decstr+45d20m12.84s NA  
## decstr+45d20m25.93s NA  
## decstr+45d20m33.64s NA  
## decstr+45d20m36.69s NA  
## decstr+45d21m02.58s NA  
## decstr+45d21m13.55s NA  
## decstr+45d22m03.99s NA  
## decstr+45d22m12.34s NA  
## decstr+45d22m15.50s NA  
## decstr+45d23m01.93s NA  
## decstr+45d23m03.60s NA  
## decstr+45d23m04.17s NA  
## decstr+45d23m16.23s NA  
## decstr+45d24m19.55s NA  
## decstr+45d24m28.32s NA  
## decstr+45d24m37.01s NA  
## decstr+45d24m51.36s NA  
## decstr+45d25m32.84s NA  
## decstr+45d25m42.95s NA  
## decstr+45d26m02.33s NA  
## decstr+45d26m07.41s NA  
## decstr+45d26m22.90s NA  
## decstr+45d26m26.01s NA  
## decstr+45d26m26.90s NA  
## decstr+45d27m26.43s NA  
## decstr+45d28m49.10s NA  
## decstr+45d29m43.18s NA  
## decstr+45d30m24.53s NA  
## decstr+45d32m43.96s NA  
## decstr+45d33m04.06s NA  
## decstr+45d33m22.24s NA  
## decstr+45d33m52.27s NA  
## decstr+45d34m43.83s NA  
## decstr+45d35m18.79s NA  
## decstr+45d35m31.50s NA  
## decstr+45d35m34.38s NA  
## decstr+45d35m47.34s NA  
## decstr+45d36m02.09s NA  
## decstr+45d36m03.33s NA  
## decstr+45d36m19.75s NA  
## decstr+45d37m23.46s NA  
## decstr+45d37m37.26s NA  
## decstr+45d38m03.52s NA  
## decstr+45d38m23.41s NA  
## decstr+45d39m18.19s NA  
## decstr+45d39m24.36s NA  
## decstr+45d39m48.30s NA  
## decstr+45d40m16.18s NA  
## decstr+45d41m00.41s NA  
## decstr+45d41m21.84s NA  
## decstr+45d42m15.83s NA  
## decstr+45d42m42.63s NA  
## decstr+45d42m57.15s NA  
## decstr+45d42m57.72s NA  
## decstr+45d43m10.40s NA  
## decstr+45d43m11.04s NA  
## decstr+45d44m05.28s NA  
## decstr+45d44m13.99s NA  
## decstr+45d44m20.68s NA  
## decstr+45d44m26.27s NA  
## decstr+45d44m44.17s NA  
## decstr+45d44m52.28s NA  
## decstr+45d45m41.58s NA  
## decstr+45d45m43.89s NA  
## decstr+45d46m41.16s NA  
## decstr+45d47m19.70s NA  
## decstr+45d48m08.01s NA  
## decstr+45d48m32.72s NA  
## decstr+45d48m45.97s NA  
## decstr+45d48m59.13s NA  
## decstr+45d49m03.09s NA  
## decstr+45d49m37.36s NA  
## decstr+45d49m38.72s NA  
## decstr+45d50m05.20s NA  
## decstr+45d50m34.63s NA  
## decstr+45d51m10.99s NA  
## decstr+45d51m58.07s NA  
## decstr+45d52m00.51s NA  
## decstr+45d52m11.85s NA  
## decstr+45d52m30.20s NA  
## decstr+45d54m52.94s NA  
## decstr+45d55m04.72s NA  
## decstr+45d55m27.19s NA  
## decstr+45d55m51.09s NA  
## decstr+45d57m00.40s NA  
## decstr+45d57m30.70s NA  
## decstr+45d58m05.81s NA  
## decstr+45d58m10.39s NA  
## decstr+45d58m15.76s NA  
## decstr+45d58m20.38s NA  
## decstr+45d58m24.00s NA  
## decstr+45d58m33.45s NA  
## decstr+45d58m36.35s NA  
## decstr+45d58m48.90s NA  
## decstr+45d58m53.92s NA  
## decstr+45d59m04.66s NA  
## decstr+45d59m06.50s NA  
## decstr+46d00m08.15s NA  
## decstr+46d00m18.61s NA  
## decstr+46d00m20.43s NA  
## decstr+46d00m50.31s NA  
## decstr+46d01m22.16s NA  
## decstr+46d01m23.75s NA  
## decstr+46d01m38.60s NA  
## decstr+46d01m41.01s NA  
## decstr+46d02m03.46s NA  
## decstr+46d02m29.95s NA  
## decstr+46d02m54.13s NA  
## decstr+46d03m06.85s NA  
## decstr+46d03m11.00s NA  
## decstr+46d03m27.31s NA  
## decstr+46d03m33.33s NA  
## decstr+46d03m38.91s NA  
## decstr+46d03m44.62s NA  
## decstr+46d03m49.99s NA  
## decstr+46d03m59.07s NA  
## decstr+46d04m00.21s NA  
## decstr+46d04m32.63s NA  
## decstr+46d04m50.05s NA  
## decstr+46d05m45.35s NA  
## decstr+46d05m50.49s NA  
## decstr+46d05m55.42s NA  
## decstr+46d07m03.36s NA  
## decstr+46d07m44.81s NA  
## decstr+46d07m51.04s NA  
## decstr+46d08m28.21s NA  
## decstr+46d09m53.25s NA  
## decstr+46d09m59.03s NA  
## decstr+46d10m19.70s NA  
## decstr+46d10m30.52s NA  
## decstr+46d10m51.35s NA  
## decstr+46d11m46.27s NA  
## decstr+46d11m54.48s NA  
## decstr+46d12m12.37s NA  
## decstr+46d13m26.24s NA  
## decstr+46d13m34.49s NA  
## decstr+46d13m36.08s NA  
## decstr+46d14m15.01s NA  
## decstr+46d14m41.94s NA  
## decstr+46d14m56.80s NA  
## decstr+46d15m09.64s NA  
## decstr+46d15m16.93s NA  
## decstr+46d15m52.93s NA  
## decstr+46d15m59.69s NA  
## decstr+46d16m25.46s NA  
## decstr+46d16m33.55s NA  
## decstr+46d16m34.04s NA  
## decstr+46d16m39.08s NA  
## decstr+46d17m23.12s NA  
## decstr+46d17m48.93s NA  
## decstr+46d18m38.38s NA  
## decstr+46d18m53.67s NA  
## decstr+46d18m59.73s NA  
## decstr+46d19m14.19s NA  
## decstr+46d19m16.92s NA  
## decstr+46d19m23.81s NA  
## decstr+46d19m27.63s NA  
## decstr+46d19m43.20s NA  
## decstr+46d19m44.30s NA  
## decstr+46d20m27.15s NA  
## decstr+46d20m49.98s NA  
## decstr+46d22m00.58s NA  
## decstr+46d22m18.11s NA  
## decstr+46d22m24.75s NA  
## decstr+46d22m38.20s NA  
## decstr+46d23m28.28s NA  
## decstr+46d23m32.34s NA  
## decstr+46d23m38.64s NA  
## decstr+46d23m40.02s NA  
## decstr+46d24m29.47s NA  
## decstr+46d24m48.25s NA  
## decstr+46d25m06.52s NA  
## decstr+46d25m44.98s NA  
## decstr+46d26m19.92s NA  
## decstr+46d26m27.54s NA  
## decstr+46d26m59.05s NA  
## decstr+46d27m13.18s NA  
## decstr+46d27m28.76s NA  
## decstr+46d28m14.15s NA  
## decstr+46d28m25.00s NA  
## decstr+46d28m51.68s NA  
## decstr+46d29m29.30s NA  
## decstr+46d29m33.61s NA  
## decstr+46d29m55.54s NA  
## decstr+46d29m56.84s NA  
## decstr+46d30m08.04s NA  
## decstr+46d30m58.25s NA  
## decstr+46d31m21.87s NA  
## decstr+46d32m10.05s NA  
## decstr+46d33m59.22s NA  
## decstr+46d34m04.44s NA  
## decstr+46d34m26.43s NA  
## decstr+46d34m27.69s NA  
## decstr+46d34m38.09s NA  
## decstr+46d34m44.89s NA  
## decstr+46d34m44.95s NA  
## decstr+46d34m55.99s NA  
## decstr+46d35m20.89s NA  
## decstr+46d35m25.63s NA  
## decstr+46d36m07.97s NA  
## decstr+46d36m12.42s NA  
## decstr+46d36m21.15s NA  
## decstr+46d36m54.17s NA  
## decstr+46d37m02.99s NA  
## decstr+46d37m05.65s NA  
## decstr+46d37m09.12s NA  
## decstr+46d37m35.01s NA  
## decstr+46d37m35.68s NA  
## decstr+46d38m24.60s NA  
## decstr+46d38m27.15s NA  
## decstr+46d38m33.89s NA  
## decstr+46d39m05.78s NA  
## decstr+46d39m34.48s NA  
## decstr+46d39m43.99s NA  
## decstr+46d39m58.38s NA  
## decstr+46d40m05.67s NA  
## decstr+46d40m14.34s NA  
## decstr+46d40m30.85s NA  
## decstr+46d40m30.86s NA  
## decstr+46d40m46.14s NA  
## decstr+46d41m15.82s NA  
## decstr+46d41m16.26s NA  
## decstr+46d41m22.82s NA  
## decstr+46d41m32.84s NA  
## decstr+46d41m34.24s NA  
## decstr+46d41m53.89s NA  
## decstr+46d42m48.27s NA  
## decstr+46d42m52.62s NA  
## decstr+46d43m04.04s NA  
## decstr+46d43m04.80s NA  
## decstr+46d43m12.74s NA  
## decstr+46d43m21.74s NA  
## decstr+46d43m33.90s NA  
## decstr+46d43m36.05s NA  
## decstr+46d43m46.87s NA  
## decstr+46d44m10.66s NA  
## decstr+46d44m27.96s NA  
## decstr+46d44m30.72s NA  
## decstr+46d44m36.73s NA  
## decstr+46d44m40.30s NA  
## decstr+46d44m47.59s NA  
## decstr+46d45m09.43s NA  
## decstr+46d45m45.33s NA  
## decstr+46d46m04.73s NA  
## decstr+46d46m05.33s NA  
## decstr+46d47m01.13s NA  
## decstr+46d47m22.75s NA  
## decstr+46d47m25.73s NA  
## decstr+46d47m37.09s NA  
## decstr+46d47m46.04s NA  
## decstr+46d48m46.68s NA  
## decstr+46d49m17.05s NA  
## decstr+46d49m26.39s NA  
## decstr+46d50m03.30s NA  
## decstr+46d50m06.81s NA  
## decstr+46d50m17.90s NA  
## decstr+46d50m19.74s NA  
## decstr+46d50m35.39s NA  
## decstr+46d51m09.84s NA  
## decstr+46d51m26.87s NA  
## decstr+46d51m31.74s NA  
## decstr+46d52m05.69s NA  
## decstr+46d52m15.20s NA  
## decstr+46d52m52.75s NA  
## decstr+46d53m44.25s NA  
## decstr+46d53m47.05s NA  
## decstr+46d53m57.32s NA  
## decstr+46d53m59.28s NA  
## decstr+46d54m15.22s NA  
## decstr+46d54m28.09s NA  
## decstr+46d54m42.42s NA  
## decstr+46d55m13.55s NA  
## decstr+46d55m42.51s NA  
## decstr+46d55m51.65s NA  
## decstr+46d56m15.89s NA  
## decstr+46d56m21.71s NA  
## decstr+46d56m30.82s NA  
## decstr+46d56m44.88s NA  
## decstr+46d56m45.11s NA  
## decstr+46d56m47.48s NA  
## decstr+46d57m13.95s NA  
## decstr+46d57m36.36s NA  
## decstr+46d57m41.08s NA  
## decstr+46d57m54.41s NA  
## decstr+46d57m57.43s NA  
## decstr+46d57m58.30s NA  
## decstr+46d58m03.46s NA  
## decstr+46d58m25.08s NA  
## decstr+46d59m10.64s NA  
## decstr+46d59m12.29s NA  
## decstr+46d59m14.42s NA  
## decstr+46d59m17.36s NA  
## decstr+46d59m22.81s NA  
## decstr+46d59m48.04s NA  
## decstr+46d59m53.81s NA  
## decstr+46d59m56.27s NA  
## decstr+47d00m47.00s NA  
## decstr+47d00m53.22s NA  
## decstr+47d00m59.47s NA  
## decstr+47d01m13.25s NA  
## decstr+47d01m36.53s NA  
## decstr+47d02m13.16s NA  
## decstr+47d02m32.98s NA  
## decstr+47d03m13.35s NA  
## decstr+47d03m46.86s NA  
## decstr+47d04m00.47s NA  
## decstr+47d04m32.96s NA  
## decstr+47d04m46.43s NA  
## decstr+47d05m07.79s NA  
## decstr+47d05m08.00s NA  
## decstr+47d05m53.50s NA  
## decstr+47d06m06.28s NA  
## decstr+47d06m45.66s NA  
## decstr+47d06m54.42s NA  
## decstr+47d07m02.65s NA  
## decstr+47d09m20.56s NA  
## decstr+47d09m26.50s NA  
## decstr+47d09m27.27s NA  
## decstr+47d09m50.23s NA  
## decstr+47d09m52.49s NA  
## decstr+47d10m15.36s NA  
## decstr+47d10m18.68s NA  
## decstr+47d10m28.02s NA  
## decstr+47d10m58.03s NA  
## decstr+47d11m17.52s NA  
## decstr+47d12m15.77s NA  
## decstr+47d12m25.66s NA  
## decstr+47d12m28.17s NA  
## decstr+47d13m03.17s NA  
## decstr+47d14m00.48s NA  
## decstr+47d14m48.92s NA  
## decstr+47d15m28.39s NA  
## decstr+47d15m40.12s NA  
## decstr+47d16m33.47s NA  
## decstr+47d16m46.14s NA  
## decstr+47d18m27.92s NA  
## decstr+47d19m40.52s NA  
## decstr+47d21m06.87s NA  
## decstr+47d21m27.15s NA  
## decstr+47d21m31.60s NA  
## decstr+47d22m04.28s NA  
## decstr+47d22m42.63s NA  
## decstr+47d22m53.54s NA  
## decstr+47d23m46.41s NA  
## decstr+47d23m55.04s NA  
## decstr+47d23m56.85s NA  
## decstr+47d24m22.56s NA  
## decstr+47d24m24.90s NA  
## decstr+47d24m49.30s NA  
## decstr+47d24m53.19s NA  
## decstr+47d25m32.37s NA  
## decstr+47d26m19.72s NA  
## decstr+47d26m53.25s NA  
## decstr+47d26m55.02s NA  
## decstr+47d27m19.76s NA  
## decstr+47d27m25.49s NA  
## decstr+47d27m47.05s NA  
## decstr+47d28m08.82s NA  
## decstr+47d28m38.47s NA  
## decstr+47d29m05.24s NA  
## decstr+47d29m19.05s NA  
## decstr+47d29m27.31s NA  
## decstr+47d29m28.69s NA  
## decstr+47d29m50.14s NA  
## decstr+47d30m34.88s NA  
## decstr+47d30m58.05s NA  
## decstr+47d31m35.56s NA  
## decstr+47d31m47.71s NA  
## decstr+47d33m07.11s NA  
## decstr+47d34m06.93s NA  
## decstr+47d34m22.96s NA  
## decstr+47d34m29.71s NA  
## decstr+47d34m42.20s NA  
## decstr+47d35m32.63s NA  
## decstr+47d35m37.79s NA  
## decstr+47d36m00.25s NA  
## decstr+47d36m18.01s NA  
## decstr+47d37m47.44s NA  
## decstr+47d38m13.74s NA  
## decstr+47d38m29.98s NA  
## decstr+47d39m00.41s NA  
## decstr+47d39m51.02s NA  
## decstr+47d40m43.91s NA  
## decstr+47d41m15.28s NA  
## decstr+47d41m20.07s NA  
## decstr+47d41m38.28s NA  
## decstr+47d41m51.57s NA  
## decstr+47d43m28.43s NA  
## decstr+47d43m33.27s NA  
## decstr+47d43m46.94s NA  
## decstr+47d43m53.77s NA  
## decstr+47d44m53.13s NA  
## decstr+47d45m05.33s NA  
## decstr+47d45m07.41s NA  
## decstr+47d45m34.09s NA  
## decstr+47d45m42.96s NA  
## decstr+47d46m22.47s NA  
## decstr+47d46m32.24s NA  
## decstr+47d47m07.10s NA  
## decstr+47d48m34.81s NA  
## decstr+47d48m37.75s NA  
## decstr+47d48m51.97s NA  
## decstr+47d48m53.95s NA  
## decstr+47d48m55.65s NA  
## decstr+47d50m04.41s NA  
## decstr+47d50m20.18s NA  
## decstr+47d50m54.52s NA  
## decstr+47d51m47.43s NA  
## decstr+47d51m49.34s NA  
## decstr+47d51m50.58s NA  
## decstr+47d52m23.70s NA  
## decstr+47d52m23.99s NA  
## decstr+47d52m42.33s NA  
## decstr+47d52m43.43s NA  
## decstr+47d52m48.75s NA  
## decstr+47d52m49.31s NA  
## decstr+47d52m51.45s NA  
## decstr+47d52m52.69s NA  
## decstr+47d53m02.91s NA  
## decstr+47d53m10.16s NA  
## decstr+47d53m14.81s NA  
## decstr+47d54m30.50s NA  
## decstr+47d55m17.30s NA  
## decstr+47d55m44.85s NA  
## decstr+47d56m00.83s NA  
## decstr+47d56m22.56s NA  
## decstr+47d56m47.88s NA  
## decstr+47d56m48.55s NA  
## decstr+47d56m51.21s NA  
## decstr+47d56m57.36s NA  
## decstr+47d57m42.89s NA  
## decstr+47d57m59.81s NA  
## decstr+47d58m10.35s NA  
## decstr+47d59m20.07s NA  
## decstr+48d00m07.91s NA  
## decstr+48d00m33.34s NA  
## decstr+48d01m04.41s NA  
## decstr+48d01m05.05s NA  
## decstr+48d01m42.83s NA  
## decstr+48d01m46.57s NA  
## decstr+48d02m05.41s NA  
## decstr+48d02m24.63s NA  
## decstr+48d03m15.76s NA  
## decstr+48d03m39.33s NA  
## decstr+48d03m54.93s NA  
## decstr+48d03m55.94s NA  
## decstr+48d03m59.38s NA  
## decstr+48d04m54.71s NA  
## decstr+48d04m56.83s NA  
## decstr+48d04m57.23s NA  
## decstr+48d05m39.70s NA  
## decstr+48d05m54.11s NA  
## decstr+48d06m27.95s NA  
## decstr+48d07m11.22s NA  
## decstr+48d07m34.53s NA  
## decstr+48d07m52.60s NA  
## decstr+48d08m30.03s NA  
## decstr+48d09m15.13s NA  
## decstr+48d09m54.55s NA  
## decstr+48d10m41.54s NA  
## decstr+48d10m53.03s NA  
## decstr+48d11m08.81s NA  
## decstr+48d12m30.66s NA  
## decstr+48d12m30.97s NA  
## decstr+48d13m09.62s NA  
## decstr+48d13m28.68s NA  
## decstr+48d13m34.33s NA  
## decstr+48d14m00.30s NA  
## decstr+48d14m23.89s NA  
## decstr+48d14m31.14s NA  
## decstr+48d14m39.61s NA  
## decstr+48d14m55.92s NA  
## decstr+48d15m04.13s NA  
## decstr+48d15m25.31s NA  
## decstr+48d15m28.19s NA  
## decstr+48d15m33.24s NA  
## decstr+48d16m04.05s NA  
## decstr+48d16m15.43s NA  
## decstr+48d16m20.22s NA  
## decstr+48d16m37.62s NA  
## decstr+48d16m53.00s NA  
## decstr+48d17m09.30s NA  
## decstr+48d17m39.25s NA  
## decstr+48d18m03.08s NA  
## decstr+48d18m08.44s NA  
## decstr+48d18m26.23s NA  
## decstr+48d18m44.02s NA  
## decstr+48d19m13.28s NA  
## decstr+48d19m57.15s NA  
## decstr+48d20m09.32s NA  
## decstr+48d20m09.93s NA  
## decstr+48d20m42.20s NA  
## decstr+48d20m59.27s NA  
## decstr+48d21m18.89s NA  
## decstr+48d22m24.49s NA  
## decstr+48d22m32.83s NA  
## decstr+48d23m15.64s NA  
## decstr+48d23m26.91s NA  
## decstr+48d24m05.92s NA  
## decstr+48d24m24.36s NA  
## decstr+48d24m57.52s NA  
## decstr+48d25m06.90s NA  
## decstr+48d25m26.01s NA  
## decstr+48d25m53.72s NA  
## decstr+48d25m54.22s NA  
## decstr+48d26m07.17s NA  
## decstr+48d26m36.45s NA  
## decstr+48d26m40.53s NA  
## decstr+48d26m43.77s NA  
## decstr+48d28m42.84s NA  
## decstr+48d28m52.91s NA  
## decstr+48d29m39.78s NA  
## decstr+48d29m43.87s NA  
## decstr+48d30m20.89s NA  
## decstr+48d30m39.86s NA  
## decstr+48d30m55.42s NA  
## decstr+48d31m16.77s NA  
## decstr+48d31m28.09s NA  
## decstr+48d32m39.23s NA  
## decstr+48d32m56.62s NA  
## decstr+48d33m09.48s NA  
## decstr+48d33m33.60s NA  
## decstr+48d33m35.58s NA  
## decstr+48d33m38.48s NA  
## decstr+48d34m31.31s NA  
## decstr+48d34m38.82s NA  
## decstr+48d34m49.88s NA  
## decstr+48d35m59.01s NA  
## decstr+48d36m10.19s NA  
## decstr+48d36m22.69s NA  
## decstr+48d37m07.31s NA  
## decstr+48d37m35.05s NA  
## decstr+48d38m20.37s NA  
## decstr+48d38m42.92s NA  
## decstr+48d39m04.22s NA  
## decstr+48d39m55.25s NA  
## decstr+48d40m24.04s NA  
## decstr+48d40m59.68s NA  
## decstr+48d41m00.77s NA  
## decstr+48d41m37.71s NA  
## decstr+48d42m05.19s NA  
## decstr+48d42m22.19s NA  
## decstr+48d43m10.51s NA  
## decstr+48d43m30.97s NA  
## decstr+48d43m40.02s NA  
## decstr+48d44m39.37s NA  
## decstr+48d45m32.88s NA  
## decstr+48d45m45.15s NA  
## decstr+48d46m12.04s NA  
## decstr+48d46m26.27s NA  
## decstr+48d46m31.44s NA  
## decstr+48d46m39.42s NA  
## decstr+48d47m29.73s NA  
## decstr+48d47m30.69s NA  
## decstr+48d48m07.64s NA  
## decstr+48d48m24.11s NA  
## decstr+48d48m34.55s NA  
## decstr+48d48m41.80s NA  
## decstr+48d49m08.30s NA  
## decstr+48d49m11.39s NA  
## decstr+48d49m21.80s NA  
## decstr+48d49m29.97s NA  
## decstr+48d49m31.19s NA  
## decstr+48d49m54.20s NA  
## decstr+48d50m48.90s NA  
## decstr+48d52m52.35s NA  
## decstr+48d53m05.04s NA  
## decstr+48d53m59.45s NA  
## decstr+48d55m00.26s NA  
## decstr+48d55m01.77s NA  
## decstr+48d55m48.21s NA  
## decstr+48d58m05.40s NA  
## decstr+48d58m17.17s NA  
## decstr+48d58m38.31s NA  
## decstr+48d58m55.94s NA  
## decstr+48d58m56.35s NA  
## decstr+48d59m45.67s NA  
## decstr+48d59m46.14s NA  
## decstr+49d00m45.75s NA  
## decstr+49d01m02.26s NA  
## decstr+49d01m08.86s NA  
## decstr+49d02m24.77s NA  
## decstr+49d02m41.34s NA  
## decstr+49d02m45.64s NA  
## decstr+49d03m26.81s NA  
## decstr+49d03m41.96s NA  
## decstr+49d03m53.56s NA  
## decstr+49d04m04.74s NA  
## decstr+49d05m03.97s NA  
## decstr+49d06m08.31s NA  
## decstr+49d06m22.29s NA  
## decstr+49d06m36.99s NA  
## decstr+49d08m24.11s NA  
## decstr+49d08m24.40s NA  
## decstr+49d08m33.48s NA  
## decstr+49d09m17.04s NA  
## decstr+49d09m30.95s NA  
## decstr+49d09m43.25s NA  
## decstr+49d10m58.42s NA  
## decstr+49d11m24.62s NA  
## decstr+49d11m26.68s NA  
## decstr+49d12m08.93s NA  
## decstr+49d12m13.41s NA  
## decstr+49d12m31.35s NA  
## decstr+49d12m44.83s NA  
## decstr+49d13m54.51s NA  
## decstr+49d13m58.62s NA  
## decstr+49d14m14.71s NA  
## decstr+49d15m14.21s NA  
## decstr+49d15m22.76s NA  
## decstr+49d15m22.97s NA  
## decstr+49d15m32.14s NA  
## decstr+49d15m40.66s NA  
## decstr+49d15m42.00s NA  
## decstr+49d15m43.47s NA  
## decstr+49d16m38.18s NA  
## decstr+49d18m06.60s NA  
## decstr+49d18m18.45s NA  
## decstr+49d18m20.31s NA  
## decstr+49d18m50.74s NA  
## decstr+49d18m59.12s NA  
## decstr+49d18m59.55s NA  
## decstr+49d19m33.13s NA  
## decstr+49d19m48.31s NA  
## decstr+49d19m51.52s NA  
## decstr+49d21m14.01s NA  
## decstr+49d21m32.26s NA  
## decstr+49d22m00.46s NA  
## decstr+49d22m41.06s NA  
## decstr+49d22m47.36s NA  
## decstr+49d24m22.67s NA  
## decstr+49d24m45.15s NA  
## decstr+49d25m00.83s NA  
## decstr+49d25m07.43s NA  
## decstr+49d26m14.14s NA  
## decstr+49d27m03.37s NA  
## decstr+49d27m08.73s NA  
## decstr+49d27m42.40s NA  
## decstr+49d28m24.44s NA  
## decstr+49d28m45.31s NA  
## decstr+49d28m47.82s NA  
## decstr+49d28m51.06s NA  
## decstr+49d29m05.88s NA  
## decstr+49d29m31.40s NA  
## decstr+49d31m24.22s NA  
## decstr+49d31m57.66s NA  
## decstr+49d31m59.34s NA  
## decstr+49d32m24.53s NA  
## decstr+49d32m53.81s NA  
## decstr+49d33m43.78s NA  
## decstr+49d34m45.93s NA  
## decstr+49d35m12.98s NA  
## decstr+49d35m15.42s NA  
## decstr+49d35m20.56s NA  
## decstr+49d35m41.85s NA  
## decstr+49d35m54.40s NA  
## decstr+49d37m24.23s NA  
## decstr+49d37m35.35s NA  
## decstr+49d38m13.56s NA  
## decstr+49d38m16.05s NA  
## decstr+49d38m56.74s NA  
## decstr+49d39m10.94s NA  
## decstr+49d39m12.66s NA  
## decstr+49d39m49.92s NA  
## decstr+49d40m00.67s NA  
## decstr+49d40m59.31s NA  
## decstr+49d41m32.43s NA  
## decstr+49d41m46.23s NA  
## decstr+49d42m24.33s NA  
## decstr+49d43m39.90s NA  
## decstr+49d43m47.81s NA  
## decstr+49d43m52.40s NA  
## decstr+49d44m13.75s NA  
## decstr+49d44m19.25s NA  
## decstr+49d44m38.91s NA  
## decstr+49d45m43.29s NA  
## decstr+49d45m54.17s NA  
## decstr+49d46m10.93s NA  
## decstr+49d46m28.25s NA  
## decstr+49d46m33.19s NA  
## decstr+49d46m52.48s NA  
## decstr+49d47m19.35s NA  
## decstr+49d47m28.08s NA  
## decstr+49d47m51.17s NA  
## decstr+49d48m02.36s NA  
## decstr+49d48m05.86s NA  
## decstr+49d49m32.19s NA  
## decstr+49d49m46.28s NA  
## decstr+49d50m40.74s NA  
## decstr+49d51m39.81s NA  
## decstr+49d51m54.55s NA  
## decstr+49d52m20.94s NA  
## decstr+49d53m39.19s NA  
## decstr+49d53m47.62s NA  
## decstr+49d54m54.08s NA  
## decstr+49d55m23.52s NA  
## decstr+49d55m25.73s NA  
## decstr+49d56m10.17s NA  
## decstr+49d56m15.53s NA  
## decstr+49d56m15.98s NA  
## decstr+49d56m20.02s NA  
## decstr+49d56m34.31s NA  
## decstr+49d56m44.94s NA  
## decstr+49d57m43.64s NA  
## decstr+49d58m06.76s NA  
## decstr+49d58m32.66s NA  
## decstr+49d58m54.30s NA  
## decstr+49d59m41.35s NA  
## decstr+50d01m12.22s NA  
## decstr+50d01m48.24s NA  
## decstr+50d02m14.35s NA  
## decstr+50d02m25.32s NA  
## decstr+50d03m14.60s NA  
## decstr+50d04m31.41s NA  
## decstr+50d04m32.07s NA  
## decstr+50d04m37.86s NA  
## decstr+50d04m51.47s NA  
## decstr+50d05m44.81s NA  
## decstr+50d06m43.34s NA  
## decstr+50d07m18.61s NA  
## decstr+50d07m41.62s NA  
## decstr+50d07m43.36s NA  
## decstr+50d07m52.24s NA  
## decstr+50d08m08.78s NA  
## decstr+50d08m48.09s NA  
## decstr+50d08m58.88s NA  
## decstr+50d11m18.12s NA  
## decstr+50d13m00.86s NA  
## decstr+50d13m30.53s NA  
## decstr+50d13m49.25s NA  
## decstr+50d14m29.34s NA  
## decstr+50d14m32.53s NA  
## decstr+50d16m30.75s NA  
## decstr+50d17m14.51s NA  
## decstr+50d18m00.82s NA  
## decstr+50d18m29.03s NA  
## decstr+50d19m17.66s NA  
## decstr+50d20m11.46s NA  
## decstr+50d21m11.73s NA  
## decstr+50d22m20.22s NA  
## decstr+50d22m34.72s NA  
## decstr+50d24m32.57s NA  
## decstr+50d25m37.38s NA  
## decstr+50d27m39.31s NA  
## decstr+50d28m12.16s NA  
## decstr+50d28m42.96s NA  
## decstr+50d29m40.23s NA  
## decstr+50d29m54.21s NA  
## decstr+50d30m09.93s NA  
## decstr+50d31m00.57s NA  
## decstr+50d31m54.65s NA  
## decstr+50d33m33.25s NA  
## decstr+50d34m04.09s NA  
## decstr+50d34m04.20s NA  
## decstr+50d34m52.86s NA  
## decstr+50d35m01.89s NA  
## decstr+50d35m10.33s NA  
## decstr+50d35m44.10s NA  
## decstr+50d35m49.24s NA  
## decstr+50d35m54.42s NA  
## decstr+50d36m13.60s NA  
## decstr+50d37m05.45s NA  
## decstr+50d37m17.25s NA  
## decstr+50d40m13.41s NA  
## decstr+50d40m20.32s NA  
## decstr+50d40m22.85s NA  
## decstr+50d41m55.58s NA  
## decstr+50d43m31.39s NA  
## decstr+50d43m37.26s NA  
## decstr+50d45m34.41s NA  
## decstr+50d47m13.43s NA  
## decstr+50d47m20.27s NA  
## decstr+50d51m48.37s NA  
## decstr+50d54m10.22s NA  
## decstr+50d54m35.11s NA  
## decstr+50d56m15.22s NA  
## decstr+50d56m39.06s NA  
## decstr+50d56m39.11s NA  
## decstr+50d59m38.83s NA  
## decstr+51d00m48.69s NA  
## decstr+51d02m28.08s NA  
## decstr+51d03m26.44s NA  
## decstr+51d03m38.18s NA  
## decstr+51d04m54.94s NA  
## decstr+51d07m18.21s NA  
## decstr+51d08m39.28s NA  
## decstr+51d09m15.20s NA  
## decstr+51d09m44.72s NA  
## decstr+51d11m05.15s NA  
## decstr+51d12m10.80s NA  
## decstr+51d12m31.01s NA  
## decstr+51d12m32.54s NA  
## decstr+51d13m21.88s NA  
## decstr+51d14m08.90s NA  
## decstr+51d14m14.66s NA  
## decstr+51d14m53.38s NA  
## decstr+51d14m59.82s NA  
## decstr+51d15m00.87s NA  
## decstr+51d16m08.84s NA  
## decstr+51d16m16.60s NA  
## decstr+51d16m32.32s NA  
## decstr+51d16m37.17s NA  
## decstr+51d17m19.60s NA  
## decstr+51d18m14.01s NA  
## decstr+51d19m10.04s NA  
## decstr+51d19m15.26s NA  
## decstr+51d20m05.36s NA  
## decstr+51d20m52.36s NA  
## decstr+51d21m16.04s NA  
## decstr+51d21m29.50s NA  
## decstr+51d22m33.41s NA  
## decstr+51d24m32.38s NA  
## decstr+51d28m21.97s NA  
## decstr+51d28m42.01s NA  
## decstr+51d29m54.17s NA  
## decstr+51d30m17.16s NA  
## decstr+51d41m08.56s NA  
## decstr+51d41m44.78s NA  
## decstr+51d44m14.49s NA  
## decstr+51d45m26.02s NA  
## decstr+51d46m43.59s NA  
## decstr+51d54m17.47s NA  
## decstr+52d03m14.12s NA  
## decstr+52d04m12.75s NA  
## decstr+52d08m56.78s NA  
## decstr+52d16m36.22s NA  
## decstr+52d41m00.68s NA  
## decstr+52d56m38.92s NA  
## decstr+53d01m16.59s NA  
## decstr+53d22m51.46s NA  
## decstr+53d30m32.49s NA  
## decstr+53d34m05.53s NA  
## decstr+53d43m41.48s NA  
## decstr+53d55m19.74s NA  
## decstr+53d57m02.97s NA  
## decstr+54d17m15.43s NA  
## decstr+54d18m12.10s NA  
## decstr+54d24m32.30s NA  
## decstr+54d29m10.15s NA  
## decstr+54d51m04.37s NA  
## decstr+54d53m41.34s NA  
## decstr+55d01m11.93s NA  
## decstr+55d28m22.90s NA  
## decstr+55d35m16.88s NA  
## decstr+55d51m02.40s NA  
## decstr+56d01m32.55s NA  
## decstr+56d23m32.89s NA  
## decstr+56d39m02.44s NA  
## decstr+56d41m53.62s NA  
## decstr+56d43m49.08s NA  
## decstr+56d52m05.77s NA  
## decstr+56d53m13.71s NA  
## decstr+57d01m46.13s NA  
## decstr+57d10m10.65s NA  
## decstr+57d38m26.37s NA  
## decstr+57d49m01.95s NA  
## decstr+58d02m35.60s NA  
## decstr+58d09m40.23s NA  
## decstr+58d16m05.19s NA  
## decstr+58d16m32.02s NA  
## decstr+58d25m34.13s NA  
## decstr+58d57m58.11s NA  
## decstr+59d15m13.97s NA  
## decstr+59d24m45.01s NA  
## decstr+59d26m39.38s NA  
## decstr+59d26m56.05s NA  
## decstr+59d29m30.61s NA  
## decstr+60d40m34.67s NA  
## decstr+60d57m50.83s NA  
## decstr+61d08m05.97s NA  
## decstr+61d12m48.19s NA  
## decstr+61d27m39.07s NA  
## decstr+61d40m45.65s NA  
## decstr+61d42m05.42s NA  
## decstr+61d58m12.38s NA  
## decstr+62d14m21.09s NA  
## decstr+62d18m19.37s NA  
## decstr+62d20m43.58s NA  
## decstr+62d31m45.08s NA  
## decstr+62d45m13.74s NA  
## decstr+62d47m09.42s NA  
## decstr+63d04m41.08s NA  
## decstr+63d09m20.21s NA  
## decstr+63d21m10.02s NA  
## decstr+63d27m13.95s NA  
## decstr+63d36m37.18s NA  
## decstr+63d40m12.02s NA  
## decstr+64d01m56.75s NA  
## decstr+64d19m06.15s NA  
## decstr+64d19m40.98s NA  
## decstr+64d47m49.75s NA  
## decstr+64d57m49.84s NA  
## decstr+65d09m44.39s NA  
## decstr+65d33m48.11s NA  
## decstr+65d35m39.08s NA  
## decstr+65d36m31.62s NA  
## decstr+65d50m01.31s NA  
## decstr+65d51m15.11s NA  
## decstr+66d04m19.92s NA  
## decstr+66d14m06.19s NA  
## decstr+66d20m52.58s NA  
## decstr+66d21m31.35s NA  
## decstr+66d51m01.09s NA  
## decstr+67d14m21.13s NA  
## decstr+67d14m34.48s NA  
## decstr+68d20m01.23s NA  
## decstr+68d43m11.92s NA  
## decstr+69d04m26.86s NA  
## decstr+69d16m35.83s NA  
## decstr+69d31m22.34s NA  
## decstr+69d34m15.01s NA  
## decstr+69d38m20.89s NA  
## decstr+70d11m24.14s NA  
## decstr+70d14m18.53s NA  
## decstr+70d23m27.88s NA  
## decstr+70d31m37.50s NA  
## decstr+70d47m34.17s NA  
## decstr+71d18m50.24s NA  
## decstr+71d39m20.62s NA  
## decstr+71d45m11.12s NA  
## decstr+71d49m26.19s NA  
## decstr+72d09m20.56s NA  
## decstr+72d09m40.25s NA  
## decstr+72d17m47.81s NA  
## decstr+72d24m53.75s NA  
## decstr+72d27m21.09s NA  
## decstr+72d36m45.29s NA  
## decstr+72d42m37.13s NA  
## decstr+73d09m07.69s NA  
## decstr+73d11m42.39s NA  
## decstr+73d49m39.24s NA  
## decstr+73d52m04.85s NA  
## decstr+74d03m46.29s NA  
## decstr+74d04m48.28s NA  
## decstr+74d29m21.62s NA  
## decstr+74d49m37.96s NA  
## decstr+74d54m03.38s NA  
## decstr+75d02m38.36s NA  
## decstr+76d12m39.67s NA  
## decstr+76d42m36.53s NA  
## decstr+76d54m19.21s NA  
## decstr+77d37m59.16s NA  
## decstr+77d39m42.18s NA  
## decstr+77d47m24.44s NA  
## decstr+78d03m52.70s NA  
## decstr+79d13m54.66s NA  
## decstr+79d15m23.31s NA  
## decstr+79d25m06.89s NA  
## decstr+79d47m21.85s NA  
## decstr+80d08m11.05s NA  
## decstr+80d16m02.58s NA  
## decstr+81d02m20.35s NA  
## decstr+81d19m34.71s NA  
## decstr+82d14m43.49s NA  
## decstr+83d22m21.74s NA  
## decstr+83d41m51.11s NA  
## decstr+84d20m01.54s NA  
## decstr+84d21m51.35s NA  
## decstr+85d13m59.95s NA  
## decstr+85d44m11.52s NA  
## dec NA  
## sy\_dist NA  
## sy\_vmag NA  
## sy\_kmag NA  
## sy\_gaiamag NA  
## sy\_gaiamagerr1 NA  
## sy\_gaiamagerr2 NA  
## Std. Error  
## (Intercept) NaN  
## pl\_name11 UMi b NaN  
## pl\_name14 And b NaN  
## pl\_name14 Her b NaN  
## pl\_name16 Cyg B b NaN  
## pl\_name17 Sco b NaN  
## pl\_name18 Del b NaN  
## pl\_name24 Boo b NaN  
## pl\_name24 Sex b NaN  
## pl\_name24 Sex c NaN  
## pl\_name2MASS J19383260+4603591 b NaN  
## pl\_name30 Ari B b NaN  
## pl\_name4 UMa b NaN  
## pl\_name42 Dra b NaN  
## pl\_name47 UMa b NaN  
## pl\_name47 UMa c NaN  
## pl\_name47 UMa d NaN  
## pl\_name51 Eri b NaN  
## pl\_name51 Peg b NaN  
## pl\_name55 Cnc b NaN  
## pl\_name55 Cnc c NaN  
## pl\_name55 Cnc d NaN  
## pl\_name55 Cnc e NaN  
## pl\_name55 Cnc f NaN  
## pl\_name6 Lyn b NaN  
## pl\_name61 Vir b NaN  
## pl\_name61 Vir c NaN  
## pl\_name61 Vir d NaN  
## pl\_name7 CMa b NaN  
## pl\_name7 CMa c NaN  
## pl\_name70 Vir b NaN  
## pl\_name75 Cet b NaN  
## pl\_name8 UMi b NaN  
## pl\_name81 Cet b NaN  
## pl\_name91 Aqr b NaN  
## pl\_nameAF Lep b NaN  
## pl\_nameAU Mic b NaN  
## pl\_nameAU Mic c NaN  
## pl\_nameBD-00 4475 b NaN  
## pl\_nameBD-06 1339 b NaN  
## pl\_nameBD-06 1339 c NaN  
## pl\_nameBD-08 2823 b NaN  
## pl\_nameBD-08 2823 c NaN  
## pl\_nameBD-10 3166 b NaN  
## pl\_nameBD-11 4672 b NaN  
## pl\_nameBD-11 4672 c NaN  
## pl\_nameBD-13 2130 b NaN  
## pl\_nameBD-17 63 b NaN  
## pl\_nameBD-210397 b NaN  
## pl\_nameBD-210397 c NaN  
## pl\_nameBD+03 2562 b NaN  
## pl\_nameBD+14 4559 b NaN  
## pl\_nameBD+15 2375 b NaN  
## pl\_nameBD+15 2940 b NaN  
## pl\_nameBD+20 2457 b NaN  
## pl\_nameBD+20 2457 c NaN  
## pl\_nameBD+20 274 b NaN  
## pl\_nameBD+20 594 b NaN  
## pl\_nameBD+45 564 b NaN  
## pl\_nameBD+48 738 b NaN  
## pl\_nameBD+48 740 b NaN  
## pl\_nameBD+49 828 b NaN  
## pl\_nameBD+55 362 b NaN  
## pl\_nameBD+63 1405 b NaN  
## pl\_namebet Cnc b NaN  
## pl\_namebet Pic b NaN  
## pl\_namebet Pic c NaN  
## pl\_nameCoRoT-1 b NaN  
## pl\_nameCoRoT-10 b NaN  
## pl\_nameCoRoT-11 b NaN  
## pl\_nameCoRoT-12 b NaN  
## pl\_nameCoRoT-13 b NaN  
## pl\_nameCoRoT-14 b NaN  
## pl\_nameCoRoT-16 b NaN  
## pl\_nameCoRoT-17 b NaN  
## pl\_nameCoRoT-18 b NaN  
## pl\_nameCoRoT-19 b NaN  
## pl\_nameCoRoT-2 b NaN  
## pl\_nameCoRoT-20 b NaN  
## pl\_nameCoRoT-20 c NaN  
## pl\_nameCoRoT-21 b NaN  
## pl\_nameCoRoT-22 b NaN  
## pl\_nameCoRoT-23 b NaN  
## pl\_nameCoRoT-24 b NaN  
## pl\_nameCoRoT-24 c NaN  
## pl\_nameCoRoT-25 b NaN  
## pl\_nameCoRoT-26 b NaN  
## pl\_nameCoRoT-27 b NaN  
## pl\_nameCoRoT-28 b NaN  
## pl\_nameCoRoT-29 b NaN  
## pl\_nameCoRoT-3 b NaN  
## pl\_nameCoRoT-30 b NaN  
## pl\_nameCoRoT-31 b NaN  
## pl\_nameCoRoT-35 b NaN  
## pl\_nameCoRoT-36 b NaN  
## pl\_nameCoRoT-4 b NaN  
## pl\_nameCoRoT-5 b NaN  
## pl\_nameCoRoT-6 b NaN  
## pl\_nameCoRoT-7 b NaN  
## pl\_nameCoRoT-7 c NaN  
## pl\_nameCoRoT-8 b NaN  
## pl\_nameCoRoT-9 b NaN  
## pl\_nameDE CVn b NaN  
## pl\_nameDMPP-1 b NaN  
## pl\_nameDMPP-1 c NaN  
## pl\_nameDMPP-1 d NaN  
## pl\_nameDMPP-1 e NaN  
## pl\_nameDMPP-2 b NaN  
## pl\_nameDMPP-4 b NaN  
## pl\_nameEPIC 201170410.02 NaN  
## pl\_nameEPIC 211822797 b NaN  
## pl\_nameEPIC 211945201 b NaN  
## pl\_nameEPIC 212737443 b NaN  
## pl\_nameEPIC 212737443 c NaN  
## pl\_nameEPIC 220674823 b NaN  
## pl\_nameEPIC 220674823 c NaN  
## pl\_nameEPIC 229004835 b NaN  
## pl\_nameEPIC 249893012 b NaN  
## pl\_nameEPIC 249893012 c NaN  
## pl\_nameEPIC 249893012 d NaN  
## pl\_nameeps CrB b NaN  
## pl\_nameeps Eri b NaN  
## pl\_nameeps Ind A b NaN  
## pl\_nameeps Tau b NaN  
## pl\_namegam Cep b NaN  
## pl\_namegam Lib b NaN  
## pl\_namegam Lib c NaN  
## pl\_namegam Psc b NaN  
## pl\_nameGJ 1061 b NaN  
## pl\_nameGJ 1061 c NaN  
## pl\_nameGJ 1061 d NaN  
## pl\_nameGJ 1132 b NaN  
## pl\_nameGJ 1132 c NaN  
## pl\_nameGJ 1148 b NaN  
## pl\_nameGJ 1148 c NaN  
## pl\_nameGJ 1214 b NaN  
## pl\_nameGJ 1252 b NaN  
## pl\_nameGJ 1265 b NaN  
## pl\_nameGJ 143 b NaN  
## pl\_nameGJ 15 A b NaN  
## pl\_nameGJ 15 A c NaN  
## pl\_nameGJ 160.2 b NaN  
## pl\_nameGJ 163 b NaN  
## pl\_nameGJ 163 c NaN  
## pl\_nameGJ 163 d NaN  
## pl\_nameGJ 179 b NaN  
## pl\_nameGJ 180 b NaN  
## pl\_nameGJ 180 c NaN  
## pl\_nameGJ 180 d NaN  
## pl\_nameGJ 2030 b NaN  
## pl\_nameGJ 2030 c NaN  
## pl\_nameGJ 2056 b NaN  
## pl\_nameGJ 229 A c NaN  
## pl\_nameGJ 229 b NaN  
## pl\_nameGJ 251 b NaN  
## pl\_nameGJ 27.1 b NaN  
## pl\_nameGJ 3021 b NaN  
## pl\_nameGJ 3082 b NaN  
## pl\_nameGJ 3090 b NaN  
## pl\_nameGJ 3138 b NaN  
## pl\_nameGJ 3138 c NaN  
## pl\_nameGJ 3138 d NaN  
## pl\_nameGJ 317 b NaN  
## pl\_nameGJ 317 c NaN  
## pl\_nameGJ 328 b NaN  
## pl\_nameGJ 3293 b NaN  
## pl\_nameGJ 3293 c NaN  
## pl\_nameGJ 3293 d NaN  
## pl\_nameGJ 3293 e NaN  
## pl\_nameGJ 3341 b NaN  
## pl\_nameGJ 338 B b NaN  
## pl\_nameGJ 3470 b NaN  
## pl\_nameGJ 3473 b NaN  
## pl\_nameGJ 3473 c NaN  
## pl\_nameGJ 3512 b NaN  
## pl\_nameGJ 3512 c NaN  
## pl\_nameGJ 3634 b NaN  
## pl\_nameGJ 367 b NaN  
## pl\_nameGJ 3779 b NaN  
## pl\_nameGJ 3929 b NaN  
## pl\_nameGJ 3929 c NaN  
## pl\_nameGJ 3942 b NaN  
## pl\_nameGJ 3998 b NaN  
## pl\_nameGJ 3998 c NaN  
## pl\_nameGJ 414 A b NaN  
## pl\_nameGJ 414 A c NaN  
## pl\_nameGJ 422 b NaN  
## pl\_nameGJ 4276 b NaN  
## pl\_nameGJ 433 b NaN  
## pl\_nameGJ 433 c NaN  
## pl\_nameGJ 433 d NaN  
## pl\_nameGJ 436 b NaN  
## pl\_nameGJ 463 b NaN  
## pl\_nameGJ 480 b NaN  
## pl\_nameGJ 486 b NaN  
## pl\_nameGJ 514 b NaN  
## pl\_nameGJ 536 b NaN  
## pl\_nameGJ 581 b NaN  
## pl\_nameGJ 581 c NaN  
## pl\_nameGJ 581 e NaN  
## pl\_nameGJ 625 b NaN  
## pl\_nameGJ 649 b NaN  
## pl\_nameGJ 667 C b NaN  
## pl\_nameGJ 667 C c NaN  
## pl\_nameGJ 667 C e NaN  
## pl\_nameGJ 667 C f NaN  
## pl\_nameGJ 667 C g NaN  
## pl\_nameGJ 674 b NaN  
## pl\_nameGJ 676 A b NaN  
## pl\_nameGJ 676 A c NaN  
## pl\_nameGJ 676 A d NaN  
## pl\_nameGJ 676 A e NaN  
## pl\_nameGJ 680 b NaN  
## pl\_nameGJ 682 b NaN  
## pl\_nameGJ 682 c NaN  
## pl\_nameGJ 685 b NaN  
## pl\_nameGJ 687 b NaN  
## pl\_nameGJ 687 c NaN  
## pl\_nameGJ 720 A b NaN  
## pl\_nameGJ 740 b NaN  
## pl\_nameGJ 832 b NaN  
## pl\_nameGJ 849 b NaN  
## pl\_nameGJ 849 c NaN  
## pl\_nameGJ 86 b NaN  
## pl\_nameGJ 876 b NaN  
## pl\_nameGJ 876 c NaN  
## pl\_nameGJ 876 d NaN  
## pl\_nameGJ 876 e NaN  
## pl\_nameGJ 887 b NaN  
## pl\_nameGJ 896 A b NaN  
## pl\_nameGJ 9066 c NaN  
## pl\_nameGJ 9404 b NaN  
## pl\_nameGJ 96 b NaN  
## pl\_nameGJ 9689 b NaN  
## pl\_nameGJ 9714 b NaN  
## pl\_nameGJ 9827 b NaN  
## pl\_nameGJ 9827 c NaN  
## pl\_nameGJ 9827 d NaN  
## pl\_nameGl 378 b NaN  
## pl\_nameGl 49 b NaN  
## pl\_nameGl 686 b NaN  
## pl\_nameGPX-1 b NaN  
## pl\_nameHAT-P-1 b NaN  
## pl\_nameHAT-P-11 b NaN  
## pl\_nameHAT-P-11 c NaN  
## pl\_nameHAT-P-12 b NaN  
## pl\_nameHAT-P-13 b NaN  
## pl\_nameHAT-P-13 c NaN  
## pl\_nameHAT-P-14 b NaN  
## pl\_nameHAT-P-15 b NaN  
## pl\_nameHAT-P-16 b NaN  
## pl\_nameHAT-P-17 b NaN  
## pl\_nameHAT-P-17 c NaN  
## pl\_nameHAT-P-18 b NaN  
## pl\_nameHAT-P-19 b NaN  
## pl\_nameHAT-P-2 b NaN  
## pl\_nameHAT-P-20 b NaN  
## pl\_nameHAT-P-21 b NaN  
## pl\_nameHAT-P-22 b NaN  
## pl\_nameHAT-P-23 b NaN  
## pl\_nameHAT-P-24 b NaN  
## pl\_nameHAT-P-25 b NaN  
## pl\_nameHAT-P-26 b NaN  
## pl\_nameHAT-P-27 b NaN  
## pl\_nameHAT-P-28 b NaN  
## pl\_nameHAT-P-29 b NaN  
## pl\_nameHAT-P-3 b NaN  
## pl\_nameHAT-P-30 b NaN  
## pl\_nameHAT-P-31 b NaN  
## pl\_nameHAT-P-32 b NaN  
## pl\_nameHAT-P-33 b NaN  
## pl\_nameHAT-P-34 b NaN  
## pl\_nameHAT-P-35 b NaN  
## pl\_nameHAT-P-36 b NaN  
## pl\_nameHAT-P-37 b NaN  
## pl\_nameHAT-P-38 b NaN  
## pl\_nameHAT-P-39 b NaN  
## pl\_nameHAT-P-4 b NaN  
## pl\_nameHAT-P-40 b NaN  
## pl\_nameHAT-P-41 b NaN  
## pl\_nameHAT-P-42 b NaN  
## pl\_nameHAT-P-43 b NaN  
## pl\_nameHAT-P-44 b NaN  
## pl\_nameHAT-P-44 c NaN  
## pl\_nameHAT-P-45 b NaN  
## pl\_nameHAT-P-46 b NaN  
## pl\_nameHAT-P-49 b NaN  
## pl\_nameHAT-P-5 b NaN  
## pl\_nameHAT-P-50 b NaN  
## pl\_nameHAT-P-51 b NaN  
## pl\_nameHAT-P-52 b NaN  
## pl\_nameHAT-P-53 b NaN  
## pl\_nameHAT-P-54 b NaN  
## pl\_nameHAT-P-55 b NaN  
## pl\_nameHAT-P-56 b NaN  
## pl\_nameHAT-P-57 b NaN  
## pl\_nameHAT-P-58 b NaN  
## pl\_nameHAT-P-59 b NaN  
## pl\_nameHAT-P-6 b NaN  
## pl\_nameHAT-P-60 b NaN  
## pl\_nameHAT-P-61 b NaN  
## pl\_nameHAT-P-62 b NaN  
## pl\_nameHAT-P-64 b NaN  
## pl\_nameHAT-P-65 b NaN  
## pl\_nameHAT-P-66 b NaN  
## pl\_nameHAT-P-67 b NaN  
## pl\_nameHAT-P-68 b NaN  
## pl\_nameHAT-P-69 b NaN  
## pl\_nameHAT-P-7 b NaN  
## pl\_nameHAT-P-70 b NaN  
## pl\_nameHAT-P-8 b NaN  
## pl\_nameHAT-P-9 b NaN  
## pl\_nameHATS-1 b NaN  
## pl\_nameHATS-10 b NaN  
## pl\_nameHATS-11 b NaN  
## pl\_nameHATS-12 b NaN  
## pl\_nameHATS-13 b NaN  
## pl\_nameHATS-14 b NaN  
## pl\_nameHATS-15 b NaN  
## pl\_nameHATS-16 b NaN  
## pl\_nameHATS-17 b NaN  
## pl\_nameHATS-18 b NaN  
## pl\_nameHATS-2 b NaN  
## pl\_nameHATS-22 b NaN  
## pl\_nameHATS-23 b NaN  
## pl\_nameHATS-24 b NaN  
## pl\_nameHATS-25 b NaN  
## pl\_nameHATS-26 b NaN  
## pl\_nameHATS-27 b NaN  
## pl\_nameHATS-28 b NaN  
## pl\_nameHATS-29 b NaN  
## pl\_nameHATS-3 b NaN  
## pl\_nameHATS-30 b NaN  
## pl\_nameHATS-31 b NaN  
## pl\_nameHATS-32 b NaN  
## pl\_nameHATS-33 b NaN  
## pl\_nameHATS-34 b NaN  
## pl\_nameHATS-35 b NaN  
## pl\_nameHATS-36 b NaN  
## pl\_nameHATS-37 A b NaN  
## pl\_nameHATS-38 b NaN  
## pl\_nameHATS-39 b NaN  
## pl\_nameHATS-4 b NaN  
## pl\_nameHATS-40 b NaN  
## pl\_nameHATS-41 b NaN  
## pl\_nameHATS-42 b NaN  
## pl\_nameHATS-43 b NaN  
## pl\_nameHATS-44 b NaN  
## pl\_nameHATS-45 b NaN  
## pl\_nameHATS-46 b NaN  
## pl\_nameHATS-47 b NaN  
## pl\_nameHATS-48 A b NaN  
## pl\_nameHATS-49 b NaN  
## pl\_nameHATS-5 b NaN  
## pl\_nameHATS-50 b NaN  
## pl\_nameHATS-51 b NaN  
## pl\_nameHATS-52 b NaN  
## pl\_nameHATS-53 b NaN  
## pl\_nameHATS-54 b NaN  
## pl\_nameHATS-55 b NaN  
## pl\_nameHATS-56 b NaN  
## pl\_nameHATS-57 b NaN  
## pl\_nameHATS-58 A b NaN  
## pl\_nameHATS-59 b NaN  
## pl\_nameHATS-59 c NaN  
## pl\_nameHATS-6 b NaN  
## pl\_nameHATS-60 b NaN  
## pl\_nameHATS-61 b NaN  
## pl\_nameHATS-62 b NaN  
## pl\_nameHATS-63 b NaN  
## pl\_nameHATS-64 b NaN  
## pl\_nameHATS-65 b NaN  
## pl\_nameHATS-66 b NaN  
## pl\_nameHATS-67 b NaN  
## pl\_nameHATS-68 b NaN  
## pl\_nameHATS-69 b NaN  
## pl\_nameHATS-7 b NaN  
## pl\_nameHATS-70 b NaN  
## pl\_nameHATS-71 b NaN  
## pl\_nameHATS-72 b NaN  
## pl\_nameHATS-74 A b NaN  
## pl\_nameHATS-75 b NaN  
## pl\_nameHATS-76 b NaN  
## pl\_nameHATS-77 b NaN  
## pl\_nameHATS-8 b NaN  
## pl\_nameHATS-9 b NaN  
## pl\_nameHD 100655 b NaN  
## pl\_nameHD 100777 b NaN  
## pl\_nameHD 10180 c NaN  
## pl\_nameHD 10180 d NaN  
## pl\_nameHD 10180 e NaN  
## pl\_nameHD 10180 f NaN  
## pl\_nameHD 10180 g NaN  
## pl\_nameHD 10180 h NaN  
## pl\_nameHD 101930 b NaN  
## pl\_nameHD 102117 b NaN  
## pl\_nameHD 102195 b NaN  
## pl\_nameHD 102272 b NaN  
## pl\_nameHD 102329 b NaN  
## pl\_nameHD 102365 b NaN  
## pl\_nameHD 102843 b NaN  
## pl\_nameHD 102956 b NaN  
## pl\_nameHD 103197 b NaN  
## pl\_nameHD 103720 b NaN  
## pl\_nameHD 103774 b NaN  
## pl\_nameHD 103891 b NaN  
## pl\_nameHD 103949 b NaN  
## pl\_nameHD 104067 b NaN  
## pl\_nameHD 10442 b NaN  
## pl\_nameHD 104985 b NaN  
## pl\_nameHD 105618 b NaN  
## pl\_nameHD 105618 c NaN  
## pl\_nameHD 105779 b NaN  
## pl\_nameHD 106252 b NaN  
## pl\_nameHD 106270 b NaN  
## pl\_nameHD 106315 b NaN  
## pl\_nameHD 106315 c NaN  
## pl\_nameHD 10647 b NaN  
## pl\_nameHD 106515 A b NaN  
## pl\_nameHD 10697 b NaN  
## pl\_nameHD 107148 b NaN  
## pl\_nameHD 107148 c NaN  
## pl\_nameHD 108147 b NaN  
## pl\_nameHD 108202 b NaN  
## pl\_nameHD 108236 b NaN  
## pl\_nameHD 108236 c NaN  
## pl\_nameHD 108236 d NaN  
## pl\_nameHD 108236 e NaN  
## pl\_nameHD 108236 f NaN  
## pl\_nameHD 108341 b NaN  
## pl\_nameHD 108863 b NaN  
## pl\_nameHD 108874 b NaN  
## pl\_nameHD 108874 c NaN  
## pl\_nameHD 109246 b NaN  
## pl\_nameHD 109271 b NaN  
## pl\_nameHD 109271 c NaN  
## pl\_nameHD 109286 b NaN  
## pl\_nameHD 109749 b NaN  
## pl\_nameHD 10975 b NaN  
## pl\_nameHD 109988 b NaN  
## pl\_nameHD 110014 b NaN  
## pl\_nameHD 110082 b NaN  
## pl\_nameHD 110113 b NaN  
## pl\_nameHD 110113 c NaN  
## pl\_nameHD 110537 b NaN  
## pl\_nameHD 11112 b NaN  
## pl\_nameHD 111232 b NaN  
## pl\_nameHD 111232 c NaN  
## pl\_nameHD 111998 b NaN  
## pl\_nameHD 112300 b NaN  
## pl\_nameHD 112640 b NaN  
## pl\_nameHD 113337 b NaN  
## pl\_nameHD 113337 c NaN  
## pl\_nameHD 11343 c NaN  
## pl\_nameHD 113538 b NaN  
## pl\_nameHD 113538 c NaN  
## pl\_nameHD 113996 b NaN  
## pl\_nameHD 114082 b NaN  
## pl\_nameHD 114386 b NaN  
## pl\_nameHD 114613 b NaN  
## pl\_nameHD 114729 b NaN  
## pl\_nameHD 114783 b NaN  
## pl\_nameHD 114783 c NaN  
## pl\_nameHD 11505 b NaN  
## pl\_nameHD 11506 b NaN  
## pl\_nameHD 11506 c NaN  
## pl\_nameHD 11506 d NaN  
## pl\_nameHD 115404 A b NaN  
## pl\_nameHD 115404 A c NaN  
## pl\_nameHD 115954 b NaN  
## pl\_nameHD 116029 b NaN  
## pl\_nameHD 117207 b NaN  
## pl\_nameHD 11755 b NaN  
## pl\_nameHD 117618 b NaN  
## pl\_nameHD 118203 b NaN  
## pl\_nameHD 11964 b NaN  
## pl\_nameHD 11964 c NaN  
## pl\_nameHD 11977 b NaN  
## pl\_nameHD 120084 b NaN  
## pl\_nameHD 121504 b NaN  
## pl\_nameHD 12235 b NaN  
## pl\_nameHD 12235 c NaN  
## pl\_nameHD 124330 b NaN  
## pl\_nameHD 12484 b NaN  
## pl\_nameHD 125271 b NaN  
## pl\_nameHD 125390 b NaN  
## pl\_nameHD 125595 b NaN  
## pl\_nameHD 125612 b NaN  
## pl\_nameHD 125612 c NaN  
## pl\_nameHD 125612 d NaN  
## pl\_nameHD 12648 b NaN  
## pl\_nameHD 126525 b NaN  
## pl\_nameHD 12661 b NaN  
## pl\_nameHD 12661 c NaN  
## pl\_nameHD 126614 b NaN  
## pl\_nameHD 127506 b NaN  
## pl\_nameHD 128311 b NaN  
## pl\_nameHD 128311 c NaN  
## pl\_nameHD 128356 b NaN  
## pl\_nameHD 129445 b NaN  
## pl\_nameHD 130322 b NaN  
## pl\_nameHD 131496 b NaN  
## pl\_nameHD 13167 b NaN  
## pl\_nameHD 13189 b NaN  
## pl\_nameHD 132406 b NaN  
## pl\_nameHD 132563 b NaN  
## pl\_nameHD 133131 A b NaN  
## pl\_nameHD 133131 A c NaN  
## pl\_nameHD 133131 B b NaN  
## pl\_nameHD 134060 b NaN  
## pl\_nameHD 134060 c NaN  
## pl\_nameHD 134987 b NaN  
## pl\_nameHD 134987 c NaN  
## pl\_nameHD 135625 b NaN  
## pl\_nameHD 136118 b NaN  
## pl\_nameHD 136352 b NaN  
## pl\_nameHD 136352 c NaN  
## pl\_nameHD 136352 d NaN  
## pl\_nameHD 136925 b NaN  
## pl\_nameHD 13724 c NaN  
## pl\_nameHD 137388 b NaN  
## pl\_nameHD 137496 b NaN  
## pl\_nameHD 137496 c NaN  
## pl\_nameHD 13808 b NaN  
## pl\_nameHD 13808 c NaN  
## pl\_nameHD 13908 b NaN  
## pl\_nameHD 13908 c NaN  
## pl\_nameHD 13931 b NaN  
## pl\_nameHD 139357 b NaN  
## pl\_nameHD 1397 b NaN  
## pl\_nameHD 14067 b NaN  
## pl\_nameHD 140901 b NaN  
## pl\_nameHD 140901 c NaN  
## pl\_nameHD 141004 b NaN  
## pl\_nameHD 141399 b NaN  
## pl\_nameHD 141399 c NaN  
## pl\_nameHD 141399 d NaN  
## pl\_nameHD 141399 e NaN  
## pl\_nameHD 141937 b NaN  
## pl\_nameHD 142 A d NaN  
## pl\_nameHD 142 b NaN  
## pl\_nameHD 142 c NaN  
## pl\_nameHD 142022 A b NaN  
## pl\_nameHD 142245 b NaN  
## pl\_nameHD 142415 b NaN  
## pl\_nameHD 143105 b NaN  
## pl\_nameHD 143361 b NaN  
## pl\_nameHD 144899 b NaN  
## pl\_nameHD 145377 b NaN  
## pl\_nameHD 145457 b NaN  
## pl\_nameHD 145675 c NaN  
## pl\_nameHD 145934 b NaN  
## pl\_nameHD 1461 b NaN  
## pl\_nameHD 1461 c NaN  
## pl\_nameHD 147018 b NaN  
## pl\_nameHD 147018 c NaN  
## pl\_nameHD 147379 b NaN  
## pl\_nameHD 147513 b NaN  
## pl\_nameHD 14787 b NaN  
## pl\_nameHD 147873 b NaN  
## pl\_nameHD 147873 c NaN  
## pl\_nameHD 148156 b NaN  
## pl\_nameHD 148164 b NaN  
## pl\_nameHD 148164 c NaN  
## pl\_nameHD 148427 b NaN  
## pl\_nameHD 149026 b NaN  
## pl\_nameHD 149143 b NaN  
## pl\_nameHD 149806 b NaN  
## pl\_nameHD 150010 b NaN  
## pl\_nameHD 1502 b NaN  
## pl\_nameHD 150706 b NaN  
## pl\_nameHD 151450 b NaN  
## pl\_nameHD 151450 c NaN  
## pl\_nameHD 152079 b NaN  
## pl\_nameHD 152581 b NaN  
## pl\_nameHD 152843 b NaN  
## pl\_nameHD 15337 b NaN  
## pl\_nameHD 15337 c NaN  
## pl\_nameHD 153557 b NaN  
## pl\_nameHD 153557 c NaN  
## pl\_nameHD 153557 d NaN  
## pl\_nameHD 153950 b NaN  
## pl\_nameHD 154088 b NaN  
## pl\_nameHD 154345 b NaN  
## pl\_nameHD 154672 b NaN  
## pl\_nameHD 154857 b NaN  
## pl\_nameHD 154857 c NaN  
## pl\_nameHD 155193 b NaN  
## pl\_nameHD 155358 b NaN  
## pl\_nameHD 155358 c NaN  
## pl\_nameHD 155918 b NaN  
## pl\_nameHD 155918 c NaN  
## pl\_nameHD 156098 b NaN  
## pl\_nameHD 156098 c NaN  
## pl\_nameHD 156279 b NaN  
## pl\_nameHD 156279 c NaN  
## pl\_nameHD 156411 b NaN  
## pl\_nameHD 156668 b NaN  
## pl\_nameHD 156668 c NaN  
## pl\_nameHD 156846 b NaN  
## pl\_nameHD 158038 b NaN  
## pl\_nameHD 158996 b NaN  
## pl\_nameHD 15906 b NaN  
## pl\_nameHD 15906 c NaN  
## pl\_nameHD 159243 b NaN  
## pl\_nameHD 159243 c NaN  
## pl\_nameHD 159868 b NaN  
## pl\_nameHD 159868 c NaN  
## pl\_nameHD 1605 b NaN  
## pl\_nameHD 1605 c NaN  
## pl\_nameHD 160691 d NaN  
## pl\_nameHD 161178 b NaN  
## pl\_nameHD 16141 b NaN  
## pl\_nameHD 16175 b NaN  
## pl\_nameHD 162020 b NaN  
## pl\_nameHD 163607 b NaN  
## pl\_nameHD 163607 c NaN  
## pl\_nameHD 16417 b NaN  
## pl\_nameHD 164509 b NaN  
## pl\_nameHD 164595 b NaN  
## pl\_nameHD 164604 b NaN  
## pl\_nameHD 164922 b NaN  
## pl\_nameHD 164922 c NaN  
## pl\_nameHD 164922 d NaN  
## pl\_nameHD 164922 e NaN  
## pl\_nameHD 165131 b NaN  
## pl\_nameHD 165155 b NaN  
## pl\_nameHD 1666 b NaN  
## pl\_nameHD 166724 b NaN  
## pl\_nameHD 167042 b NaN  
## pl\_nameHD 167677 b NaN  
## pl\_nameHD 167768 b NaN  
## pl\_nameHD 168009 b NaN  
## pl\_nameHD 168443 b NaN  
## pl\_nameHD 168443 c NaN  
## pl\_nameHD 168746 b NaN  
## pl\_nameHD 168863 b NaN  
## pl\_nameHD 1690 b NaN  
## pl\_nameHD 16905 b NaN  
## pl\_nameHD 169830 b NaN  
## pl\_nameHD 169830 c NaN  
## pl\_nameHD 170469 b NaN  
## pl\_nameHD 17092 b NaN  
## pl\_nameHD 171028 b NaN  
## pl\_nameHD 171238 b NaN  
## pl\_nameHD 17156 b NaN  
## pl\_nameHD 173416 b NaN  
## pl\_nameHD 174205 b NaN  
## pl\_nameHD 175167 b NaN  
## pl\_nameHD 175541 b NaN  
## pl\_nameHD 17674 b NaN  
## pl\_nameHD 176986 b NaN  
## pl\_nameHD 176986 c NaN  
## pl\_nameHD 177565 b NaN  
## pl\_nameHD 177830 b NaN  
## pl\_nameHD 177830 c NaN  
## pl\_nameHD 178911 B b NaN  
## pl\_nameHD 179079 b NaN  
## pl\_nameHD 179949 b NaN  
## pl\_nameHD 180053 b NaN  
## pl\_nameHD 18015 b NaN  
## pl\_nameHD 180314 b NaN  
## pl\_nameHD 180617 b NaN  
## pl\_nameHD 180902 b NaN  
## pl\_nameHD 181234 b NaN  
## pl\_nameHD 181342 b NaN  
## pl\_nameHD 18143 b NaN  
## pl\_nameHD 18143 c NaN  
## pl\_nameHD 181433 b NaN  
## pl\_nameHD 181433 c NaN  
## pl\_nameHD 181433 d NaN  
## pl\_nameHD 181720 b NaN  
## pl\_nameHD 183263 b NaN  
## pl\_nameHD 183263 c NaN  
## pl\_nameHD 183579 b NaN  
## pl\_nameHD 184010 b NaN  
## pl\_nameHD 184010 c NaN  
## pl\_nameHD 184010 d NaN  
## pl\_nameHD 18438 b NaN  
## pl\_nameHD 185269 b NaN  
## pl\_nameHD 185283 b NaN  
## pl\_nameHD 18599 b NaN  
## pl\_nameHD 187085 b NaN  
## pl\_nameHD 187123 b NaN  
## pl\_nameHD 187123 c NaN  
## pl\_nameHD 18742 b NaN  
## pl\_nameHD 188015 b NaN  
## pl\_nameHD 188641 b NaN  
## pl\_nameHD 189567 b NaN  
## pl\_nameHD 189567 c NaN  
## pl\_nameHD 189733 b NaN  
## pl\_nameHD 190007 b NaN  
## pl\_nameHD 190228 b NaN  
## pl\_nameHD 190360 b NaN  
## pl\_nameHD 190360 c NaN  
## pl\_nameHD 190647 b NaN  
## pl\_nameHD 190984 b NaN  
## pl\_nameHD 191806 b NaN  
## pl\_nameHD 191939 b NaN  
## pl\_nameHD 191939 c NaN  
## pl\_nameHD 191939 d NaN  
## pl\_nameHD 191939 e NaN  
## pl\_nameHD 191939 f NaN  
## pl\_nameHD 191939 g NaN  
## pl\_nameHD 192263 b NaN  
## pl\_nameHD 192310 b NaN  
## pl\_nameHD 192310 c NaN  
## pl\_nameHD 192699 b NaN  
## pl\_nameHD 194490 b NaN  
## pl\_nameHD 195019 b NaN  
## pl\_nameHD 196050 b NaN  
## pl\_nameHD 196067 b NaN  
## pl\_nameHD 19615 b NaN  
## pl\_nameHD 196885 A b NaN  
## pl\_nameHD 197037 b NaN  
## pl\_nameHD 199509 b NaN  
## pl\_nameHD 19994 b NaN  
## pl\_nameHD 20003 b NaN  
## pl\_nameHD 20003 c NaN  
## pl\_nameHD 200964 b NaN  
## pl\_nameHD 200964 c NaN  
## pl\_nameHD 202206 c NaN  
## pl\_nameHD 202772 A b NaN  
## pl\_nameHD 20329 b NaN  
## pl\_nameHD 2039 b NaN  
## pl\_nameHD 204313 b NaN  
## pl\_nameHD 204313 c NaN  
## pl\_nameHD 204313 e NaN  
## pl\_nameHD 204941 b NaN  
## pl\_nameHD 205158 b NaN  
## pl\_nameHD 205739 b NaN  
## pl\_nameHD 206255 b NaN  
## pl\_nameHD 206610 b NaN  
## pl\_nameHD 206893 b NaN  
## pl\_nameHD 206893 c NaN  
## pl\_nameHD 207496 b NaN  
## pl\_nameHD 20781 b NaN  
## pl\_nameHD 20781 c NaN  
## pl\_nameHD 20781 d NaN  
## pl\_nameHD 20781 e NaN  
## pl\_nameHD 20782 b NaN  
## pl\_nameHD 207832 b NaN  
## pl\_nameHD 207832 c NaN  
## pl\_nameHD 207897 b NaN  
## pl\_nameHD 20794 b NaN  
## pl\_nameHD 20794 c NaN  
## pl\_nameHD 20794 d NaN  
## pl\_nameHD 20794 e NaN  
## pl\_nameHD 208487 b NaN  
## pl\_nameHD 208527 b NaN  
## pl\_nameHD 20868 b NaN  
## pl\_nameHD 208897 b NaN  
## pl\_nameHD 209458 b NaN  
## pl\_nameHD 210193 b NaN  
## pl\_nameHD 210277 b NaN  
## pl\_nameHD 210702 b NaN  
## pl\_nameHD 211403 b NaN  
## pl\_nameHD 211810 b NaN  
## pl\_nameHD 211970 b NaN  
## pl\_nameHD 212301 b NaN  
## pl\_nameHD 212771 b NaN  
## pl\_nameHD 213240 b NaN  
## pl\_nameHD 213472 b NaN  
## pl\_nameHD 213519 b NaN  
## pl\_nameHD 213885 b NaN  
## pl\_nameHD 213885 c NaN  
## pl\_nameHD 21411 b NaN  
## pl\_nameHD 214823 b NaN  
## pl\_nameHD 215152 b NaN  
## pl\_nameHD 215152 c NaN  
## pl\_nameHD 215152 d NaN  
## pl\_nameHD 215152 e NaN  
## pl\_nameHD 215497 b NaN  
## pl\_nameHD 215497 c NaN  
## pl\_nameHD 216435 b NaN  
## pl\_nameHD 216437 b NaN  
## pl\_nameHD 216520 b NaN  
## pl\_nameHD 216520 c NaN  
## pl\_nameHD 216536 b NaN  
## pl\_nameHD 216770 b NaN  
## pl\_nameHD 21693 b NaN  
## pl\_nameHD 21693 c NaN  
## pl\_nameHD 217107 b NaN  
## pl\_nameHD 217107 c NaN  
## pl\_nameHD 217786 b NaN  
## pl\_nameHD 217786 c NaN  
## pl\_nameHD 217958 b NaN  
## pl\_nameHD 218566 b NaN  
## pl\_nameHD 219077 b NaN  
## pl\_nameHD 219134 b NaN  
## pl\_nameHD 219134 c NaN  
## pl\_nameHD 219134 g NaN  
## pl\_nameHD 219134 h NaN  
## pl\_nameHD 219139 b NaN  
## pl\_nameHD 219415 b NaN  
## pl\_nameHD 219666 b NaN  
## pl\_nameHD 219828 b NaN  
## pl\_nameHD 219828 c NaN  
## pl\_nameHD 220074 b NaN  
## pl\_nameHD 220197 b NaN  
## pl\_nameHD 220689 b NaN  
## pl\_nameHD 220773 b NaN  
## pl\_nameHD 220842 b NaN  
## pl\_nameHD 221287 b NaN  
## pl\_nameHD 221416 b NaN  
## pl\_nameHD 221420 b NaN  
## pl\_nameHD 221585 b NaN  
## pl\_nameHD 222076 b NaN  
## pl\_nameHD 222155 b NaN  
## pl\_nameHD 222582 b NaN  
## pl\_nameHD 224538 b NaN  
## pl\_nameHD 224693 b NaN  
## pl\_nameHD 22532 b NaN  
## pl\_nameHD 22781 b NaN  
## pl\_nameHD 23079 b NaN  
## pl\_nameHD 23127 b NaN  
## pl\_nameHD 231701 b NaN  
## pl\_nameHD 233604 b NaN  
## pl\_nameHD 233832 b NaN  
## pl\_nameHD 23472 b NaN  
## pl\_nameHD 23472 c NaN  
## pl\_nameHD 23472 d NaN  
## pl\_nameHD 23472 e NaN  
## pl\_nameHD 23472 f NaN  
## pl\_nameHD 23596 b NaN  
## pl\_nameHD 238090 b NaN  
## pl\_nameHD 238914 b NaN  
## pl\_nameHD 240210 b NaN  
## pl\_nameHD 240237 b NaN  
## pl\_nameHD 24040 b NaN  
## pl\_nameHD 24040 c NaN  
## pl\_nameHD 24064 b NaN  
## pl\_nameHD 24085 b NaN  
## pl\_nameHD 25015 b NaN  
## pl\_nameHD 25171 b NaN  
## pl\_nameHD 25723 b NaN  
## pl\_nameHD 25912 b NaN  
## pl\_nameHD 25912 c NaN  
## pl\_nameHD 260655 b NaN  
## pl\_nameHD 260655 c NaN  
## pl\_nameHD 26161 b NaN  
## pl\_nameHD 2638 b NaN  
## pl\_nameHD 2685 b NaN  
## pl\_nameHD 27442 b NaN  
## pl\_nameHD 27631 b NaN  
## pl\_nameHD 27894 b NaN  
## pl\_nameHD 27894 c NaN  
## pl\_nameHD 27894 d NaN  
## pl\_nameHD 27969 b NaN  
## pl\_nameHD 28109 b NaN  
## pl\_nameHD 28109 c NaN  
## pl\_nameHD 28109 d NaN  
## pl\_nameHD 28185 b NaN  
## pl\_nameHD 28185 c NaN  
## pl\_nameHD 28192 b NaN  
## pl\_nameHD 28254 b NaN  
## pl\_nameHD 285507 b NaN  
## pl\_nameHD 285968 b NaN  
## pl\_nameHD 28678 b NaN  
## pl\_nameHD 29021 b NaN  
## pl\_nameHD 290327 b NaN  
## pl\_nameHD 29399 b NaN  
## pl\_nameHD 2952 b NaN  
## pl\_nameHD 29985 b NaN  
## pl\_nameHD 30177 b NaN  
## pl\_nameHD 30177 c NaN  
## pl\_nameHD 30562 b NaN  
## pl\_nameHD 30669 b NaN  
## pl\_nameHD 30856 b NaN  
## pl\_nameHD 31253 b NaN  
## pl\_nameHD 31527 b NaN  
## pl\_nameHD 31527 c NaN  
## pl\_nameHD 31527 d NaN  
## pl\_nameHD 3167 b NaN  
## pl\_nameHD 3167 c NaN  
## pl\_nameHD 3167 d NaN  
## pl\_nameHD 3167 e NaN  
## pl\_nameHD 32518 b NaN  
## pl\_nameHD 32963 b NaN  
## pl\_nameHD 330075 b NaN  
## pl\_nameHD 331093 b NaN  
## pl\_nameHD 33142 b NaN  
## pl\_nameHD 33142 c NaN  
## pl\_nameHD 33142 d NaN  
## pl\_nameHD 332231 b NaN  
## pl\_nameHD 33283 b NaN  
## pl\_nameHD 33564 b NaN  
## pl\_nameHD 33844 b NaN  
## pl\_nameHD 33844 c NaN  
## pl\_nameHD 34445 b NaN  
## pl\_nameHD 34445 c NaN  
## pl\_nameHD 34445 d NaN  
## pl\_nameHD 34445 e NaN  
## pl\_nameHD 34445 f NaN  
## pl\_nameHD 34445 g NaN  
## pl\_nameHD 35759 b NaN  
## pl\_nameHD 360 b NaN  
## pl\_nameHD 36384 b NaN  
## pl\_nameHD 3651 b NaN  
## pl\_nameHD 37124 b NaN  
## pl\_nameHD 37124 c NaN  
## pl\_nameHD 37124 d NaN  
## pl\_nameHD 37605 b NaN  
## pl\_nameHD 37605 c NaN  
## pl\_nameHD 3765 b NaN  
## pl\_nameHD 38283 b NaN  
## pl\_nameHD 38529 b NaN  
## pl\_nameHD 38529 c NaN  
## pl\_nameHD 38801 b NaN  
## pl\_nameHD 39091 b NaN  
## pl\_nameHD 39194 b NaN  
## pl\_nameHD 39194 c NaN  
## pl\_nameHD 39194 d NaN  
## pl\_nameHD 39855 b NaN  
## pl\_nameHD 40307 b NaN  
## pl\_nameHD 40307 c NaN  
## pl\_nameHD 40307 d NaN  
## pl\_nameHD 40307 f NaN  
## pl\_nameHD 40307 g NaN  
## pl\_nameHD 40956 b NaN  
## pl\_nameHD 40979 b NaN  
## pl\_nameHD 4113 b NaN  
## pl\_nameHD 42012 b NaN  
## pl\_nameHD 4203 b NaN  
## pl\_nameHD 4203 c NaN  
## pl\_nameHD 4208 b NaN  
## pl\_nameHD 42618 b NaN  
## pl\_nameHD 4308 b NaN  
## pl\_nameHD 4313 b NaN  
## pl\_nameHD 43197 b NaN  
## pl\_nameHD 43197 c NaN  
## pl\_nameHD 43691 b NaN  
## pl\_nameHD 44219 b NaN  
## pl\_nameHD 45184 b NaN  
## pl\_nameHD 45184 c NaN  
## pl\_nameHD 45350 b NaN  
## pl\_nameHD 45364 b NaN  
## pl\_nameHD 45364 c NaN  
## pl\_nameHD 45652 b NaN  
## pl\_nameHD 457 b NaN  
## pl\_nameHD 46375 b NaN  
## pl\_nameHD 47186 b NaN  
## pl\_nameHD 47186 c NaN  
## pl\_nameHD 4732 b NaN  
## pl\_nameHD 4732 c NaN  
## pl\_nameHD 47366 b NaN  
## pl\_nameHD 47366 c NaN  
## pl\_nameHD 47536 b NaN  
## pl\_nameHD 4760 b NaN  
## pl\_nameHD 48265 b NaN  
## pl\_nameHD 4917 b NaN  
## pl\_nameHD 49674 b NaN  
## pl\_nameHD 50499 b NaN  
## pl\_nameHD 50499 c NaN  
## pl\_nameHD 50554 b NaN  
## pl\_nameHD 51608 b NaN  
## pl\_nameHD 51608 c NaN  
## pl\_nameHD 52265 b NaN  
## pl\_nameHD 5278 b NaN  
## pl\_nameHD 5278 c NaN  
## pl\_nameHD 5319 b NaN  
## pl\_nameHD 5319 c NaN  
## pl\_nameHD 55696 b NaN  
## pl\_nameHD 5583 b NaN  
## pl\_nameHD 5608 b NaN  
## pl\_nameHD 564 b NaN  
## pl\_nameHD 56414 b NaN  
## pl\_nameHD 56957 b NaN  
## pl\_nameHD 5891 b NaN  
## pl\_nameHD 59686 A b NaN  
## pl\_nameHD 60292 b NaN  
## pl\_nameHD 60532 b NaN  
## pl\_nameHD 60532 c NaN  
## pl\_nameHD 62364 b NaN  
## pl\_nameHD 62364 c NaN  
## pl\_nameHD 62549 b NaN  
## pl\_nameHD 63433 b NaN  
## pl\_nameHD 63433 c NaN  
## pl\_nameHD 63454 b NaN  
## pl\_nameHD 63765 b NaN  
## pl\_nameHD 64114 b NaN  
## pl\_nameHD 64121 b NaN  
## pl\_nameHD 6434 b NaN  
## pl\_nameHD 65216 b NaN  
## pl\_nameHD 65216 c NaN  
## pl\_nameHD 66141 b NaN  
## pl\_nameHD 66428 b NaN  
## pl\_nameHD 66428 c NaN  
## pl\_nameHD 67087 b NaN  
## pl\_nameHD 67087 c NaN  
## pl\_nameHD 6718 b NaN  
## pl\_nameHD 68402 b NaN  
## pl\_nameHD 68988 b NaN  
## pl\_nameHD 68988 c NaN  
## pl\_nameHD 69123 b NaN  
## pl\_nameHD 69830 b NaN  
## pl\_nameHD 69830 c NaN  
## pl\_nameHD 69830 d NaN  
## pl\_nameHD 70573 b NaN  
## pl\_nameHD 70642 b NaN  
## pl\_nameHD 7199 b NaN  
## pl\_nameHD 72490 b NaN  
## pl\_nameHD 72659 b NaN  
## pl\_nameHD 72659 c NaN  
## pl\_nameHD 72892 b NaN  
## pl\_nameHD 73256 c NaN  
## pl\_nameHD 73267 b NaN  
## pl\_nameHD 73267 c NaN  
## pl\_nameHD 73526 b NaN  
## pl\_nameHD 73526 c NaN  
## pl\_nameHD 73534 b NaN  
## pl\_nameHD 73583 b NaN  
## pl\_nameHD 73583 c NaN  
## pl\_nameHD 74156 b NaN  
## pl\_nameHD 74156 c NaN  
## pl\_nameHD 7449 b NaN  
## pl\_nameHD 74698 b NaN  
## pl\_nameHD 74698 c NaN  
## pl\_nameHD 75289 b NaN  
## pl\_nameHD 75302 b NaN  
## pl\_nameHD 75784 b NaN  
## pl\_nameHD 75784 c NaN  
## pl\_nameHD 75898 b NaN  
## pl\_nameHD 76700 b NaN  
## pl\_nameHD 76920 b NaN  
## pl\_nameHD 77338 b NaN  
## pl\_nameHD 79181 b NaN  
## pl\_nameHD 7924 b NaN  
## pl\_nameHD 7924 c NaN  
## pl\_nameHD 7924 d NaN  
## pl\_nameHD 79498 b NaN  
## pl\_nameHD 80606 b NaN  
## pl\_nameHD 80653 b NaN  
## pl\_nameHD 80869 b NaN  
## pl\_nameHD 80883 b NaN  
## pl\_nameHD 80913 b NaN  
## pl\_nameHD 81040 b NaN  
## pl\_nameHD 81688 b NaN  
## pl\_nameHD 81817 b NaN  
## pl\_nameHD 81817 c NaN  
## pl\_nameHD 82886 b NaN  
## pl\_nameHD 82943 b NaN  
## pl\_nameHD 82943 c NaN  
## pl\_nameHD 8326 b NaN  
## pl\_nameHD 83443 b NaN  
## pl\_nameHD 83443 c NaN  
## pl\_nameHD 8535 b NaN  
## pl\_nameHD 85390 b NaN  
## pl\_nameHD 85512 b NaN  
## pl\_nameHD 8574 b NaN  
## pl\_nameHD 86065 b NaN  
## pl\_nameHD 86081 b NaN  
## pl\_nameHD 86226 b NaN  
## pl\_nameHD 86226 c NaN  
## pl\_nameHD 86264 b NaN  
## pl\_nameHD 8673 b NaN  
## pl\_nameHD 86950 b NaN  
## pl\_nameHD 87646 b NaN  
## pl\_nameHD 87883 b NaN  
## pl\_nameHD 88072 b NaN  
## pl\_nameHD 88133 b NaN  
## pl\_nameHD 89307 b NaN  
## pl\_nameHD 89345 b NaN  
## pl\_nameHD 89744 b NaN  
## pl\_nameHD 89839 b NaN  
## pl\_nameHD 90156 b NaN  
## pl\_nameHD 9174 b NaN  
## pl\_nameHD 92788 b NaN  
## pl\_nameHD 92788 c NaN  
## pl\_nameHD 93083 b NaN  
## pl\_nameHD 93351 b NaN  
## pl\_nameHD 93351 c NaN  
## pl\_nameHD 93385 b NaN  
## pl\_nameHD 93385 c NaN  
## pl\_nameHD 93385 d NaN  
## pl\_nameHD 9446 b NaN  
## pl\_nameHD 9446 c NaN  
## pl\_nameHD 94771 b NaN  
## pl\_nameHD 94834 b NaN  
## pl\_nameHD 95089 b NaN  
## pl\_nameHD 95089 c NaN  
## pl\_nameHD 95127 b NaN  
## pl\_nameHD 95338 b NaN  
## pl\_nameHD 95544 b NaN  
## pl\_nameHD 95872 b NaN  
## pl\_nameHD 96063 b NaN  
## pl\_nameHD 96127 b NaN  
## pl\_nameHD 96167 b NaN  
## pl\_nameHD 96700 b NaN  
## pl\_nameHD 96700 c NaN  
## pl\_nameHD 96700 d NaN  
## pl\_nameHD 96992 b NaN  
## pl\_nameHD 97037 b NaN  
## pl\_nameHD 97658 b NaN  
## pl\_nameHD 98219 b NaN  
## pl\_nameHD 98649 b NaN  
## pl\_nameHD 98736 b NaN  
## pl\_nameHD 99109 b NaN  
## pl\_nameHD 99283 b NaN  
## pl\_nameHD 99492 b NaN  
## pl\_nameHD 99706 b NaN  
## pl\_nameHIP 105854 b NaN  
## pl\_nameHIP 107772 b NaN  
## pl\_nameHIP 107773 b NaN  
## pl\_nameHIP 109384 b NaN  
## pl\_nameHIP 109600 b NaN  
## pl\_nameHIP 114933 b NaN  
## pl\_nameHIP 116454 b NaN  
## pl\_nameHIP 12961 b NaN  
## pl\_nameHIP 14810 b NaN  
## pl\_nameHIP 14810 c NaN  
## pl\_nameHIP 14810 d NaN  
## pl\_nameHIP 19976 b NaN  
## pl\_nameHIP 21152 b NaN  
## pl\_nameHIP 34222 b NaN  
## pl\_nameHIP 35173 b NaN  
## pl\_nameHIP 35965 b NaN  
## pl\_nameHIP 38594 b NaN  
## pl\_nameHIP 38594 c NaN  
## pl\_nameHIP 4845 b NaN  
## pl\_nameHIP 48714 b NaN  
## pl\_nameHIP 5158 b NaN  
## pl\_nameHIP 5158 c NaN  
## pl\_nameHIP 54373 b NaN  
## pl\_nameHIP 54373 c NaN  
## pl\_nameHIP 54597 b NaN  
## pl\_nameHIP 55507 b NaN  
## pl\_nameHIP 56640 b NaN  
## pl\_nameHIP 57274 b NaN  
## pl\_nameHIP 57274 c NaN  
## pl\_nameHIP 57274 d NaN  
## pl\_nameHIP 5763 b NaN  
## pl\_nameHIP 63242 b NaN  
## pl\_nameHIP 65 A b NaN  
## pl\_nameHIP 65407 b NaN  
## pl\_nameHIP 65407 c NaN  
## pl\_nameHIP 65891 b NaN  
## pl\_nameHIP 67537 b NaN  
## pl\_nameHIP 67851 b NaN  
## pl\_nameHIP 67851 c NaN  
## pl\_nameHIP 70849 b NaN  
## pl\_nameHIP 71135 b NaN  
## pl\_nameHIP 74890 b NaN  
## pl\_nameHIP 75056 A b NaN  
## pl\_nameHIP 75092 b NaN  
## pl\_nameHIP 79431 b NaN  
## pl\_nameHIP 8541 b NaN  
## pl\_nameHIP 90988 b NaN  
## pl\_nameHIP 91258 b NaN  
## pl\_nameHIP 948 b NaN  
## pl\_nameHIP 9618 b NaN  
## pl\_nameHIP 97166 b NaN  
## pl\_nameHIP 97166 c NaN  
## pl\_nameHIP 97233 b NaN  
## pl\_nameHIP 99770 b NaN  
## pl\_nameHN Lib b NaN  
## pl\_nameHR 5183 b NaN  
## pl\_nameHR 810 b NaN  
## pl\_nameHR 858 b NaN  
## pl\_nameHR 858 c NaN  
## pl\_nameHR 858 d NaN  
## pl\_nameHR 8799 c NaN  
## pl\_nameHR 8799 d NaN  
## pl\_nameHR 8799 e NaN  
## pl\_nameIC 4651 9122 b NaN  
## pl\_nameiot Dra b NaN  
## pl\_nameiot Dra c NaN  
## pl\_nameK2-10 b NaN  
## pl\_nameK2-100 b NaN  
## pl\_nameK2-101 b NaN  
## pl\_nameK2-104 b NaN  
## pl\_nameK2-107 b NaN  
## pl\_nameK2-108 b NaN  
## pl\_nameK2-110 b NaN  
## pl\_nameK2-111 b NaN  
## pl\_nameK2-111 c NaN  
## pl\_nameK2-113 b NaN  
## pl\_nameK2-114 b NaN  
## pl\_nameK2-115 b NaN  
## pl\_nameK2-116 b NaN  
## pl\_nameK2-117 b NaN  
## pl\_nameK2-117 c NaN  
## pl\_nameK2-118 b NaN  
## pl\_nameK2-119 b NaN  
## pl\_nameK2-12 b NaN  
## pl\_nameK2-121 b NaN  
## pl\_nameK2-122 b NaN  
## pl\_nameK2-123 b NaN  
## pl\_nameK2-124 b NaN  
## pl\_nameK2-125 b NaN  
## pl\_nameK2-126 b NaN  
## pl\_nameK2-127 b NaN  
## pl\_nameK2-128 b NaN  
## pl\_nameK2-129 b NaN  
## pl\_nameK2-130 b NaN  
## pl\_nameK2-131 b NaN  
## pl\_nameK2-132 b NaN  
## pl\_nameK2-136 b NaN  
## pl\_nameK2-136 c NaN  
## pl\_nameK2-136 d NaN  
## pl\_nameK2-138 b NaN  
## pl\_nameK2-138 c NaN  
## pl\_nameK2-138 d NaN  
## pl\_nameK2-138 e NaN  
## pl\_nameK2-138 f NaN  
## pl\_nameK2-138 g NaN  
## pl\_nameK2-139 b NaN  
## pl\_nameK2-14 b NaN  
## pl\_nameK2-140 b NaN  
## pl\_nameK2-141 b NaN  
## pl\_nameK2-141 c NaN  
## pl\_nameK2-146 b NaN  
## pl\_nameK2-146 c NaN  
## pl\_nameK2-167 b NaN  
## pl\_nameK2-17 b NaN  
## pl\_nameK2-18 b NaN  
## pl\_nameK2-18 c NaN  
## pl\_nameK2-180 b NaN  
## pl\_nameK2-182 b NaN  
## pl\_nameK2-19 b NaN  
## pl\_nameK2-19 c NaN  
## pl\_nameK2-19 d NaN  
## pl\_nameK2-199 b NaN  
## pl\_nameK2-199 c NaN  
## pl\_nameK2-21 b NaN  
## pl\_nameK2-21 c NaN  
## pl\_nameK2-216 b NaN  
## pl\_nameK2-222 b NaN  
## pl\_nameK2-229 b NaN  
## pl\_nameK2-229 c NaN  
## pl\_nameK2-232 b NaN  
## pl\_nameK2-233 b NaN  
## pl\_nameK2-233 c NaN  
## pl\_nameK2-233 d NaN  
## pl\_nameK2-237 b NaN  
## pl\_nameK2-238 b NaN  
## pl\_nameK2-24 b NaN  
## pl\_nameK2-24 c NaN  
## pl\_nameK2-25 b NaN  
## pl\_nameK2-260 b NaN  
## pl\_nameK2-261 b NaN  
## pl\_nameK2-263 b NaN  
## pl\_nameK2-264 b NaN  
## pl\_nameK2-264 c NaN  
## pl\_nameK2-265 b NaN  
## pl\_nameK2-266 c NaN  
## pl\_nameK2-266 d NaN  
## pl\_nameK2-266 e NaN  
## pl\_nameK2-27 b NaN  
## pl\_nameK2-28 b NaN  
## pl\_nameK2-280 b NaN  
## pl\_nameK2-284 b NaN  
## pl\_nameK2-285 b NaN  
## pl\_nameK2-285 c NaN  
## pl\_nameK2-287 b NaN  
## pl\_nameK2-29 b NaN  
## pl\_nameK2-290 b NaN  
## pl\_nameK2-290 c NaN  
## pl\_nameK2-291 b NaN  
## pl\_nameK2-292 b NaN  
## pl\_nameK2-295 b NaN  
## pl\_nameK2-3 b NaN  
## pl\_nameK2-3 c NaN  
## pl\_nameK2-3 d NaN  
## pl\_nameK2-30 b NaN  
## pl\_nameK2-31 b NaN  
## pl\_nameK2-312 c NaN  
## pl\_nameK2-32 b NaN  
## pl\_nameK2-32 c NaN  
## pl\_nameK2-32 d NaN  
## pl\_nameK2-32 e NaN  
## pl\_nameK2-329 b NaN  
## pl\_nameK2-34 b NaN  
## pl\_nameK2-35 b NaN  
## pl\_nameK2-35 c NaN  
## pl\_nameK2-36 b NaN  
## pl\_nameK2-36 c NaN  
## pl\_nameK2-38 b NaN  
## pl\_nameK2-38 c NaN  
## pl\_nameK2-39 b NaN  
## pl\_nameK2-4 b NaN  
## pl\_nameK2-43 b NaN  
## pl\_nameK2-45 b NaN  
## pl\_nameK2-55 b NaN  
## pl\_nameK2-60 b NaN  
## pl\_nameK2-66 b NaN  
## pl\_nameK2-72 b NaN  
## pl\_nameK2-72 c NaN  
## pl\_nameK2-72 d NaN  
## pl\_nameK2-72 e NaN  
## pl\_nameK2-79 b NaN  
## pl\_nameK2-81 b NaN  
## pl\_nameK2-83 b NaN  
## pl\_nameK2-83 c NaN  
## pl\_nameK2-85 b NaN  
## pl\_nameK2-88 b NaN  
## pl\_nameK2-89 b NaN  
## pl\_nameK2-90 b NaN  
## pl\_nameK2-90 c NaN  
## pl\_nameK2-91 b NaN  
## pl\_nameK2-95 b NaN  
## pl\_nameK2-97 b NaN  
## pl\_nameK2-98 b NaN  
## pl\_nameK2-99 b NaN  
## pl\_namekap CrB b NaN  
## pl\_nameKapteyn c NaN  
## pl\_nameKELT-1 b NaN  
## pl\_nameKELT-11 b NaN  
## pl\_nameKELT-12 b NaN  
## pl\_nameKELT-14 b NaN  
## pl\_nameKELT-15 b NaN  
## pl\_nameKELT-16 b NaN  
## pl\_nameKELT-18 b NaN  
## pl\_nameKELT-2 A b NaN  
## pl\_nameKELT-20 b NaN  
## pl\_nameKELT-21 b NaN  
## pl\_nameKELT-23 A b NaN  
## pl\_nameKELT-24 b NaN  
## pl\_nameKELT-3 b NaN  
## pl\_nameKELT-4 A b NaN  
## pl\_nameKELT-6 b NaN  
## pl\_nameKELT-6 c NaN  
## pl\_nameKELT-7 b NaN  
## pl\_nameKELT-8 b NaN  
## pl\_nameKELT-9 b NaN  
## pl\_nameKepler-10 b NaN  
## pl\_nameKepler-10 c NaN  
## pl\_nameKepler-10 d NaN  
## pl\_nameKepler-100 b NaN  
## pl\_nameKepler-1000 b NaN  
## pl\_nameKepler-1001 b NaN  
## pl\_nameKepler-1001 c NaN  
## pl\_nameKepler-1002 b NaN  
## pl\_nameKepler-1003 b NaN  
## pl\_nameKepler-1004 b NaN  
## pl\_nameKepler-1005 b NaN  
## pl\_nameKepler-1007 b NaN  
## pl\_nameKepler-1008 b NaN  
## pl\_nameKepler-1009 b NaN  
## pl\_nameKepler-101 b NaN  
## pl\_nameKepler-101 c NaN  
## pl\_nameKepler-1010 b NaN  
## pl\_nameKepler-1011 b NaN  
## pl\_nameKepler-1012 b NaN  
## pl\_nameKepler-1013 b NaN  
## pl\_nameKepler-1014 b NaN  
## pl\_nameKepler-1015 b NaN  
## pl\_nameKepler-1016 b NaN  
## pl\_nameKepler-1016 c NaN  
## pl\_nameKepler-1017 b NaN  
## pl\_nameKepler-1018 b NaN  
## pl\_nameKepler-1019 b NaN  
## pl\_nameKepler-102 b NaN  
## pl\_nameKepler-102 c NaN  
## pl\_nameKepler-102 d NaN  
## pl\_nameKepler-102 e NaN  
## pl\_nameKepler-102 f NaN  
## pl\_nameKepler-1020 b NaN  
## pl\_nameKepler-1021 b NaN  
## pl\_nameKepler-1022 b NaN  
## pl\_nameKepler-1023 b NaN  
## pl\_nameKepler-1024 b NaN  
## pl\_nameKepler-1025 b NaN  
## pl\_nameKepler-1026 b NaN  
## pl\_nameKepler-1027 b NaN  
## pl\_nameKepler-1028 b NaN  
## pl\_nameKepler-1029 b NaN  
## pl\_nameKepler-103 b NaN  
## pl\_nameKepler-103 c NaN  
## pl\_nameKepler-1030 b NaN  
## pl\_nameKepler-1032 b NaN  
## pl\_nameKepler-1033 b NaN  
## pl\_nameKepler-1034 b NaN  
## pl\_nameKepler-1035 b NaN  
## pl\_nameKepler-1036 b NaN  
## pl\_nameKepler-1037 b NaN  
## pl\_nameKepler-1038 b NaN  
## pl\_nameKepler-1038 c NaN  
## pl\_nameKepler-1039 b NaN  
## pl\_nameKepler-104 b NaN  
## pl\_nameKepler-104 c NaN  
## pl\_nameKepler-104 d NaN  
## pl\_nameKepler-1040 b NaN  
## pl\_nameKepler-1041 b NaN  
## pl\_nameKepler-1042 b NaN  
## pl\_nameKepler-1043 b NaN  
## pl\_nameKepler-1044 b NaN  
## pl\_nameKepler-1045 b NaN  
## pl\_nameKepler-1046 b NaN  
## pl\_nameKepler-1047 b NaN  
## pl\_nameKepler-1047 c NaN  
## pl\_nameKepler-1048 b NaN  
## pl\_nameKepler-1049 b NaN  
## pl\_nameKepler-105 b NaN  
## pl\_nameKepler-105 c NaN  
## pl\_nameKepler-1050 b NaN  
## pl\_nameKepler-1050 c NaN  
## pl\_nameKepler-1051 b NaN  
## pl\_nameKepler-1052 b NaN  
## pl\_nameKepler-1052 c NaN  
## pl\_nameKepler-1053 b NaN  
## pl\_nameKepler-1054 b NaN  
## pl\_nameKepler-1055 b NaN  
## pl\_nameKepler-1056 b NaN  
## pl\_nameKepler-1057 b NaN  
## pl\_nameKepler-1058 b NaN  
## pl\_nameKepler-1059 b NaN  
## pl\_nameKepler-106 c NaN  
## pl\_nameKepler-106 e NaN  
## pl\_nameKepler-1060 b NaN  
## pl\_nameKepler-1061 b NaN  
## pl\_nameKepler-1062 b NaN  
## pl\_nameKepler-1064 b NaN  
## pl\_nameKepler-1065 b NaN  
## pl\_nameKepler-1065 c NaN  
## pl\_nameKepler-1066 b NaN  
## pl\_nameKepler-1067 b NaN  
## pl\_nameKepler-1067 c NaN  
## pl\_nameKepler-1068 b NaN  
## pl\_nameKepler-1069 b NaN  
## pl\_nameKepler-107 b NaN  
## pl\_nameKepler-107 c NaN  
## pl\_nameKepler-107 d NaN  
## pl\_nameKepler-107 e NaN  
## pl\_nameKepler-1070 b NaN  
## pl\_nameKepler-1071 b NaN  
## pl\_nameKepler-1072 b NaN  
## pl\_nameKepler-1073 b NaN  
## pl\_nameKepler-1073 c NaN  
## pl\_nameKepler-1073 d NaN  
## pl\_nameKepler-1074 b NaN  
## pl\_nameKepler-1075 b NaN  
## pl\_nameKepler-1076 b NaN  
## pl\_nameKepler-1077 b NaN  
## pl\_nameKepler-1078 b NaN  
## pl\_nameKepler-108 b NaN  
## pl\_nameKepler-108 c NaN  
## pl\_nameKepler-1080 b NaN  
## pl\_nameKepler-1081 b NaN  
## pl\_nameKepler-1082 b NaN  
## pl\_nameKepler-1083 b NaN  
## pl\_nameKepler-1084 b NaN  
## pl\_nameKepler-1085 b NaN  
## pl\_nameKepler-1085 c NaN  
## pl\_nameKepler-1086 b NaN  
## pl\_nameKepler-1086 c NaN  
## pl\_nameKepler-1087 b NaN  
## pl\_nameKepler-1088 b NaN  
## pl\_nameKepler-1089 b NaN  
## pl\_nameKepler-109 b NaN  
## pl\_nameKepler-109 c NaN  
## pl\_nameKepler-1090 b NaN  
## pl\_nameKepler-1090 c NaN  
## pl\_nameKepler-1091 b NaN  
## pl\_nameKepler-1092 b NaN  
## pl\_nameKepler-1093 b NaN  
## pl\_nameKepler-1093 c NaN  
## pl\_nameKepler-1094 b NaN  
## pl\_nameKepler-1095 b NaN  
## pl\_nameKepler-1096 b NaN  
## pl\_nameKepler-1097 b NaN  
## pl\_nameKepler-1098 b NaN  
## pl\_nameKepler-1099 b NaN  
## pl\_nameKepler-11 b NaN  
## pl\_nameKepler-11 c NaN  
## pl\_nameKepler-11 d NaN  
## pl\_nameKepler-11 e NaN  
## pl\_nameKepler-11 f NaN  
## pl\_nameKepler-11 g NaN  
## pl\_nameKepler-110 b NaN  
## pl\_nameKepler-110 c NaN  
## pl\_nameKepler-1100 b NaN  
## pl\_nameKepler-1101 b NaN  
## pl\_nameKepler-1102 b NaN  
## pl\_nameKepler-1103 b NaN  
## pl\_nameKepler-1104 b NaN  
## pl\_nameKepler-1105 b NaN  
## pl\_nameKepler-1106 b NaN  
## pl\_nameKepler-1107 b NaN  
## pl\_nameKepler-1108 b NaN  
## pl\_nameKepler-1109 b NaN  
## pl\_nameKepler-111 b NaN  
## pl\_nameKepler-111 c NaN  
## pl\_nameKepler-1110 b NaN  
## pl\_nameKepler-1111 b NaN  
## pl\_nameKepler-1112 b NaN  
## pl\_nameKepler-1113 b NaN  
## pl\_nameKepler-1114 b NaN  
## pl\_nameKepler-1115 b NaN  
## pl\_nameKepler-1116 b NaN  
## pl\_nameKepler-1117 b NaN  
## pl\_nameKepler-1118 b NaN  
## pl\_nameKepler-1119 b NaN  
## pl\_nameKepler-112 b NaN  
## pl\_nameKepler-112 c NaN  
## pl\_nameKepler-1120 b NaN  
## pl\_nameKepler-1121 b NaN  
## pl\_nameKepler-1122 b NaN  
## pl\_nameKepler-1123 b NaN  
## pl\_nameKepler-1124 b NaN  
## pl\_nameKepler-1125 b NaN  
## pl\_nameKepler-1126 b NaN  
## pl\_nameKepler-1126 c NaN  
## pl\_nameKepler-1127 b NaN  
## pl\_nameKepler-1128 b NaN  
## pl\_nameKepler-1129 b NaN  
## pl\_nameKepler-1129 c NaN  
## pl\_nameKepler-113 b NaN  
## pl\_nameKepler-1130 b NaN  
## pl\_nameKepler-1130 c NaN  
## pl\_nameKepler-1130 d NaN  
## pl\_nameKepler-1131 b NaN  
## pl\_nameKepler-1132 b NaN  
## pl\_nameKepler-1133 b NaN  
## pl\_nameKepler-1134 b NaN  
## pl\_nameKepler-1135 b NaN  
## pl\_nameKepler-1136 b NaN  
## pl\_nameKepler-1137 b NaN  
## pl\_nameKepler-1138 b NaN  
## pl\_nameKepler-1139 b NaN  
## pl\_nameKepler-114 b NaN  
## pl\_nameKepler-114 c NaN  
## pl\_nameKepler-114 d NaN  
## pl\_nameKepler-1140 b NaN  
## pl\_nameKepler-1141 b NaN  
## pl\_nameKepler-1142 b NaN  
## pl\_nameKepler-1143 b NaN  
## pl\_nameKepler-1143 c NaN  
## pl\_nameKepler-1144 b NaN  
## pl\_nameKepler-1145 b NaN  
## pl\_nameKepler-1146 b NaN  
## pl\_nameKepler-1147 b NaN  
## pl\_nameKepler-1148 b NaN  
## pl\_nameKepler-1149 b NaN  
## pl\_nameKepler-115 b NaN  
## pl\_nameKepler-115 c NaN  
## pl\_nameKepler-1150 b NaN  
## pl\_nameKepler-1151 b NaN  
## pl\_nameKepler-1152 b NaN  
## pl\_nameKepler-1153 b NaN  
## pl\_nameKepler-1154 b NaN  
## pl\_nameKepler-1154 c NaN  
## pl\_nameKepler-1155 b NaN  
## pl\_nameKepler-1156 b NaN  
## pl\_nameKepler-1157 b NaN  
## pl\_nameKepler-1158 b NaN  
## pl\_nameKepler-1159 b NaN  
## pl\_nameKepler-116 b NaN  
## pl\_nameKepler-116 c NaN  
## pl\_nameKepler-1160 b NaN  
## pl\_nameKepler-1161 b NaN  
## pl\_nameKepler-1162 b NaN  
## pl\_nameKepler-1162 c NaN  
## pl\_nameKepler-1163 b NaN  
## pl\_nameKepler-1164 b NaN  
## pl\_nameKepler-1165 b NaN  
## pl\_nameKepler-1165 c NaN  
## pl\_nameKepler-1166 b NaN  
## pl\_nameKepler-1167 b NaN  
## pl\_nameKepler-1168 b NaN  
## pl\_nameKepler-1169 b NaN  
## pl\_nameKepler-117 b NaN  
## pl\_nameKepler-117 c NaN  
## pl\_nameKepler-1170 b NaN  
## pl\_nameKepler-1171 b NaN  
## pl\_nameKepler-1172 b NaN  
## pl\_nameKepler-1173 b NaN  
## pl\_nameKepler-1174 b NaN  
## pl\_nameKepler-1175 b NaN  
## pl\_nameKepler-1176 b NaN  
## pl\_nameKepler-1177 b NaN  
## pl\_nameKepler-1178 b NaN  
## pl\_nameKepler-1179 b NaN  
## pl\_nameKepler-118 b NaN  
## pl\_nameKepler-118 c NaN  
## pl\_nameKepler-1180 b NaN  
## pl\_nameKepler-1181 b NaN  
## pl\_nameKepler-1181 c NaN  
## pl\_nameKepler-1182 b NaN  
## pl\_nameKepler-1183 b NaN  
## pl\_nameKepler-1184 b NaN  
## pl\_nameKepler-1185 b NaN  
## pl\_nameKepler-1186 b NaN  
## pl\_nameKepler-1187 b NaN  
## pl\_nameKepler-1188 b NaN  
## pl\_nameKepler-1189 b NaN  
## pl\_nameKepler-119 b NaN  
## pl\_nameKepler-119 c NaN  
## pl\_nameKepler-1190 b NaN  
## pl\_nameKepler-1191 b NaN  
## pl\_nameKepler-1192 b NaN  
## pl\_nameKepler-1193 b NaN  
## pl\_nameKepler-1194 b NaN  
## pl\_nameKepler-1195 b NaN  
## pl\_nameKepler-1196 b NaN  
## pl\_nameKepler-1197 b NaN  
## pl\_nameKepler-1198 b NaN  
## pl\_nameKepler-1199 b NaN  
## pl\_nameKepler-12 b NaN  
## pl\_nameKepler-120 b NaN  
## pl\_nameKepler-120 c NaN  
## pl\_nameKepler-1200 b NaN  
## pl\_nameKepler-1201 b NaN  
## pl\_nameKepler-1202 b NaN  
## pl\_nameKepler-1203 b NaN  
## pl\_nameKepler-1204 b NaN  
## pl\_nameKepler-1205 b NaN  
## pl\_nameKepler-1206 b NaN  
## pl\_nameKepler-1207 b NaN  
## pl\_nameKepler-1208 b NaN  
## pl\_nameKepler-1209 b NaN  
## pl\_nameKepler-121 b NaN  
## pl\_nameKepler-121 c NaN  
## pl\_nameKepler-1210 b NaN  
## pl\_nameKepler-1211 b NaN  
## pl\_nameKepler-1212 b NaN  
## pl\_nameKepler-1213 b NaN  
## pl\_nameKepler-1214 b NaN  
## pl\_nameKepler-1215 b NaN  
## pl\_nameKepler-1216 b NaN  
## pl\_nameKepler-1217 b NaN  
## pl\_nameKepler-1218 b NaN  
## pl\_nameKepler-1219 b NaN  
## pl\_nameKepler-122 b NaN  
## pl\_nameKepler-122 c NaN  
## pl\_nameKepler-122 d NaN  
## pl\_nameKepler-122 e NaN  
## pl\_nameKepler-122 f NaN  
## pl\_nameKepler-1220 b NaN  
## pl\_nameKepler-1221 b NaN  
## pl\_nameKepler-1222 b NaN  
## pl\_nameKepler-1223 b NaN  
## pl\_nameKepler-1224 b NaN  
## pl\_nameKepler-1225 b NaN  
## pl\_nameKepler-1226 b NaN  
## pl\_nameKepler-1227 b NaN  
## pl\_nameKepler-1228 b NaN  
## pl\_nameKepler-1229 b NaN  
## pl\_nameKepler-123 b NaN  
## pl\_nameKepler-123 c NaN  
## pl\_nameKepler-1230 b NaN  
## pl\_nameKepler-1231 b NaN  
## pl\_nameKepler-1232 b NaN  
## pl\_nameKepler-1233 b NaN  
## pl\_nameKepler-1234 b NaN  
## pl\_nameKepler-1235 b NaN  
## pl\_nameKepler-1236 b NaN  
## pl\_nameKepler-1237 b NaN  
## pl\_nameKepler-1238 b NaN  
## pl\_nameKepler-1239 b NaN  
## pl\_nameKepler-124 b NaN  
## pl\_nameKepler-124 c NaN  
## pl\_nameKepler-124 d NaN  
## pl\_nameKepler-1240 b NaN  
## pl\_nameKepler-1241 b NaN  
## pl\_nameKepler-1242 b NaN  
## pl\_nameKepler-1243 b NaN  
## pl\_nameKepler-1244 b NaN  
## pl\_nameKepler-1245 b NaN  
## pl\_nameKepler-1245 c NaN  
## pl\_nameKepler-1246 b NaN  
## pl\_nameKepler-1247 b NaN  
## pl\_nameKepler-1248 b NaN  
## pl\_nameKepler-1249 b NaN  
## pl\_nameKepler-125 b NaN  
## pl\_nameKepler-125 c NaN  
## pl\_nameKepler-1250 b NaN  
## pl\_nameKepler-1251 b NaN  
## pl\_nameKepler-1252 b NaN  
## pl\_nameKepler-1253 b NaN  
## pl\_nameKepler-1254 b NaN  
## pl\_nameKepler-1254 c NaN  
## pl\_nameKepler-1254 d NaN  
## pl\_nameKepler-1255 b NaN  
## pl\_nameKepler-1256 b NaN  
## pl\_nameKepler-1257 b NaN  
## pl\_nameKepler-1258 b NaN  
## pl\_nameKepler-1259 b NaN  
## pl\_nameKepler-126 b NaN  
## pl\_nameKepler-126 c NaN  
## pl\_nameKepler-126 d NaN  
## pl\_nameKepler-1260 b NaN  
## pl\_nameKepler-1261 b NaN  
## pl\_nameKepler-1262 b NaN  
## pl\_nameKepler-1263 b NaN  
## pl\_nameKepler-1264 b NaN  
## pl\_nameKepler-1265 b NaN  
## pl\_nameKepler-1266 b NaN  
## pl\_nameKepler-1266 c NaN  
## pl\_nameKepler-1267 b NaN  
## pl\_nameKepler-1268 b NaN  
## pl\_nameKepler-1269 b NaN  
## pl\_nameKepler-127 b NaN  
## pl\_nameKepler-127 c NaN  
## pl\_nameKepler-127 d NaN  
## pl\_nameKepler-1270 b NaN  
## pl\_nameKepler-1271 b NaN  
## pl\_nameKepler-1272 b NaN  
## pl\_nameKepler-1273 b NaN  
## pl\_nameKepler-1274 b NaN  
## pl\_nameKepler-1275 b NaN  
## pl\_nameKepler-1276 b NaN  
## pl\_nameKepler-1277 b NaN  
## pl\_nameKepler-1278 b NaN  
## pl\_nameKepler-1279 b NaN  
## pl\_nameKepler-128 b NaN  
## pl\_nameKepler-128 c NaN  
## pl\_nameKepler-1280 b NaN  
## pl\_nameKepler-1281 b NaN  
## pl\_nameKepler-1282 b NaN  
## pl\_nameKepler-1283 b NaN  
## pl\_nameKepler-1284 b NaN  
## pl\_nameKepler-1285 b NaN  
## pl\_nameKepler-1286 b NaN  
## pl\_nameKepler-1287 b NaN  
## pl\_nameKepler-1288 b NaN  
## pl\_nameKepler-1289 b NaN  
## pl\_nameKepler-129 b NaN  
## pl\_nameKepler-129 c NaN  
## pl\_nameKepler-129 d NaN  
## pl\_nameKepler-1290 b NaN  
## pl\_nameKepler-1291 b NaN  
## pl\_nameKepler-1292 b NaN  
## pl\_nameKepler-1293 b NaN  
## pl\_nameKepler-1294 b NaN  
## pl\_nameKepler-1295 b NaN  
## pl\_nameKepler-1296 b NaN  
## pl\_nameKepler-1297 b NaN  
## pl\_nameKepler-1298 b NaN  
## pl\_nameKepler-1299 b NaN  
## pl\_nameKepler-130 b NaN  
## pl\_nameKepler-130 c NaN  
## pl\_nameKepler-130 d NaN  
## pl\_nameKepler-1300 b NaN  
## pl\_nameKepler-1301 b NaN  
## pl\_nameKepler-1302 b NaN  
## pl\_nameKepler-1303 b NaN  
## pl\_nameKepler-1304 b NaN  
## pl\_nameKepler-1305 b NaN  
## pl\_nameKepler-1306 b NaN  
## pl\_nameKepler-1307 b NaN  
## pl\_nameKepler-1308 b NaN  
## pl\_nameKepler-1309 b NaN  
## pl\_nameKepler-131 b NaN  
## pl\_nameKepler-131 c NaN  
## pl\_nameKepler-1310 b NaN  
## pl\_nameKepler-1311 b NaN  
## pl\_nameKepler-1311 c NaN  
## pl\_nameKepler-1311 d NaN  
## pl\_nameKepler-1312 b NaN  
## pl\_nameKepler-1312 c NaN  
## pl\_nameKepler-1313 b NaN  
## pl\_nameKepler-1314 b NaN  
## pl\_nameKepler-1315 b NaN  
## pl\_nameKepler-1315 c NaN  
## pl\_nameKepler-1316 b NaN  
## pl\_nameKepler-1317 b NaN  
## pl\_nameKepler-1318 b NaN  
## pl\_nameKepler-1319 b NaN  
## pl\_nameKepler-1320 b NaN  
## pl\_nameKepler-1321 b NaN  
## pl\_nameKepler-1321 c NaN  
## pl\_nameKepler-1321 d NaN  
## pl\_nameKepler-1322 b NaN  
## pl\_nameKepler-1322 c NaN  
## pl\_nameKepler-1323 b NaN  
## pl\_nameKepler-1324 b NaN  
## pl\_nameKepler-1325 b NaN  
## pl\_nameKepler-1326 b NaN  
## pl\_nameKepler-1327 b NaN  
## pl\_nameKepler-1328 b NaN  
## pl\_nameKepler-1329 b NaN  
## pl\_nameKepler-133 b NaN  
## pl\_nameKepler-133 c NaN  
## pl\_nameKepler-1330 b NaN  
## pl\_nameKepler-1331 b NaN  
## pl\_nameKepler-1332 b NaN  
## pl\_nameKepler-1333 b NaN  
## pl\_nameKepler-1334 b NaN  
## pl\_nameKepler-1335 b NaN  
## pl\_nameKepler-1336 b NaN  
## pl\_nameKepler-1336 c NaN  
## pl\_nameKepler-1337 b NaN  
## pl\_nameKepler-1338 b NaN  
## pl\_nameKepler-1339 b NaN  
## pl\_nameKepler-134 b NaN  
## pl\_nameKepler-134 c NaN  
## pl\_nameKepler-1340 b NaN  
## pl\_nameKepler-1341 b NaN  
## pl\_nameKepler-1342 b NaN  
## pl\_nameKepler-1343 b NaN  
## pl\_nameKepler-1344 b NaN  
## pl\_nameKepler-1345 b NaN  
## pl\_nameKepler-1346 b NaN  
## pl\_nameKepler-1347 b NaN  
## pl\_nameKepler-1348 b NaN  
## pl\_nameKepler-1349 b NaN  
## pl\_nameKepler-135 b NaN  
## pl\_nameKepler-135 c NaN  
## pl\_nameKepler-1350 b NaN  
## pl\_nameKepler-1350 c NaN  
## pl\_nameKepler-1351 b NaN  
## pl\_nameKepler-1352 b NaN  
## pl\_nameKepler-1353 b NaN  
## pl\_nameKepler-1354 b NaN  
## pl\_nameKepler-1355 b NaN  
## pl\_nameKepler-1356 b NaN  
## pl\_nameKepler-1357 b NaN  
## pl\_nameKepler-1358 b NaN  
## pl\_nameKepler-1359 b NaN  
## pl\_nameKepler-136 b NaN  
## pl\_nameKepler-136 c NaN  
## pl\_nameKepler-1360 b NaN  
## pl\_nameKepler-1361 b NaN  
## pl\_nameKepler-1362 b NaN  
## pl\_nameKepler-1363 b NaN  
## pl\_nameKepler-1364 b NaN  
## pl\_nameKepler-1365 b NaN  
## pl\_nameKepler-1365 c NaN  
## pl\_nameKepler-1366 b NaN  
## pl\_nameKepler-1367 b NaN  
## pl\_nameKepler-1368 b NaN  
## pl\_nameKepler-1369 b NaN  
## pl\_nameKepler-137 b NaN  
## pl\_nameKepler-137 c NaN  
## pl\_nameKepler-1370 b NaN  
## pl\_nameKepler-1370 c NaN  
## pl\_nameKepler-1371 b NaN  
## pl\_nameKepler-1371 c NaN  
## pl\_nameKepler-1372 b NaN  
## pl\_nameKepler-1373 b NaN  
## pl\_nameKepler-1374 b NaN  
## pl\_nameKepler-1375 b NaN  
## pl\_nameKepler-1376 b NaN  
## pl\_nameKepler-1377 b NaN  
## pl\_nameKepler-1378 b NaN  
## pl\_nameKepler-1379 b NaN  
## pl\_nameKepler-138 b NaN  
## pl\_nameKepler-138 c NaN  
## pl\_nameKepler-138 d NaN  
## pl\_nameKepler-138 e NaN  
## pl\_nameKepler-1380 b NaN  
## pl\_nameKepler-1381 b NaN  
## pl\_nameKepler-1382 b NaN  
## pl\_nameKepler-1383 b NaN  
## pl\_nameKepler-1384 b NaN  
## pl\_nameKepler-1385 b NaN  
## pl\_nameKepler-1386 b NaN  
## pl\_nameKepler-1387 b NaN  
## pl\_nameKepler-1388 b NaN  
## pl\_nameKepler-1388 c NaN  
## pl\_nameKepler-1388 d NaN  
## pl\_nameKepler-1388 e NaN  
## pl\_nameKepler-1389 b NaN  
## pl\_nameKepler-139 b NaN  
## pl\_nameKepler-139 c NaN  
## pl\_nameKepler-1390 b NaN  
## pl\_nameKepler-1391 b NaN  
## pl\_nameKepler-1392 b NaN  
## pl\_nameKepler-1393 b NaN  
## pl\_nameKepler-1394 b NaN  
## pl\_nameKepler-1395 b NaN  
## pl\_nameKepler-1396 b NaN  
## pl\_nameKepler-1397 b NaN  
## pl\_nameKepler-1398 b NaN  
## pl\_nameKepler-1398 c NaN  
## pl\_nameKepler-1399 b NaN  
## pl\_nameKepler-140 b NaN  
## pl\_nameKepler-140 c NaN  
## pl\_nameKepler-1400 b NaN  
## pl\_nameKepler-1401 b NaN  
## pl\_nameKepler-1402 b NaN  
## pl\_nameKepler-1403 b NaN  
## pl\_nameKepler-1404 b NaN  
## pl\_nameKepler-1405 b NaN  
## pl\_nameKepler-1406 b NaN  
## pl\_nameKepler-1407 b NaN  
## pl\_nameKepler-1408 b NaN  
## pl\_nameKepler-1409 b NaN  
## pl\_nameKepler-141 b NaN  
## pl\_nameKepler-141 c NaN  
## pl\_nameKepler-1410 b NaN  
## pl\_nameKepler-1411 b NaN  
## pl\_nameKepler-1412 b NaN  
## pl\_nameKepler-1413 b NaN  
## pl\_nameKepler-1414 b NaN  
## pl\_nameKepler-1415 b NaN  
## pl\_nameKepler-1416 b NaN  
## pl\_nameKepler-1417 b NaN  
## pl\_nameKepler-1418 b NaN  
## pl\_nameKepler-1419 b NaN  
## pl\_nameKepler-142 b NaN  
## pl\_nameKepler-142 c NaN  
## pl\_nameKepler-142 d NaN  
## pl\_nameKepler-1420 b NaN  
## pl\_nameKepler-1421 b NaN  
## pl\_nameKepler-1422 b NaN  
## pl\_nameKepler-1423 b NaN  
## pl\_nameKepler-1424 b NaN  
## pl\_nameKepler-1425 b NaN  
## pl\_nameKepler-1426 b NaN  
## pl\_nameKepler-1427 b NaN  
## pl\_nameKepler-1428 b NaN  
## pl\_nameKepler-1429 b NaN  
## pl\_nameKepler-143 b NaN  
## pl\_nameKepler-143 c NaN  
## pl\_nameKepler-1430 b NaN  
## pl\_nameKepler-1431 b NaN  
## pl\_nameKepler-1432 b NaN  
## pl\_nameKepler-1434 b NaN  
## pl\_nameKepler-1435 b NaN  
## pl\_nameKepler-1436 b NaN  
## pl\_nameKepler-1437 b NaN  
## pl\_nameKepler-1438 b NaN  
## pl\_nameKepler-1439 b NaN  
## pl\_nameKepler-144 b NaN  
## pl\_nameKepler-144 c NaN  
## pl\_nameKepler-1440 b NaN  
## pl\_nameKepler-1441 b NaN  
## pl\_nameKepler-1442 b NaN  
## pl\_nameKepler-1443 b NaN  
## pl\_nameKepler-1444 b NaN  
## pl\_nameKepler-1445 b NaN  
## pl\_nameKepler-1446 b NaN  
## pl\_nameKepler-1447 b NaN  
## pl\_nameKepler-1448 b NaN  
## pl\_nameKepler-1449 b NaN  
## pl\_nameKepler-145 b NaN  
## pl\_nameKepler-145 c NaN  
## pl\_nameKepler-1450 b NaN  
## pl\_nameKepler-1451 b NaN  
## pl\_nameKepler-1452 b NaN  
## pl\_nameKepler-1453 b NaN  
## pl\_nameKepler-1454 b NaN  
## pl\_nameKepler-1455 b NaN  
## pl\_nameKepler-1456 b NaN  
## pl\_nameKepler-1457 b NaN  
## pl\_nameKepler-1458 b NaN  
## pl\_nameKepler-1459 b NaN  
## pl\_nameKepler-146 b NaN  
## pl\_nameKepler-146 c NaN  
## pl\_nameKepler-1460 b NaN  
## pl\_nameKepler-1461 b NaN  
## pl\_nameKepler-1462 b NaN  
## pl\_nameKepler-1463 b NaN  
## pl\_nameKepler-1464 b NaN  
## pl\_nameKepler-1464 c NaN  
## pl\_nameKepler-1465 b NaN  
## pl\_nameKepler-1466 b NaN  
## pl\_nameKepler-1467 b NaN  
## pl\_nameKepler-1468 b NaN  
## pl\_nameKepler-1468 c NaN  
## pl\_nameKepler-1468 d NaN  
## pl\_nameKepler-1469 b NaN  
## pl\_nameKepler-147 b NaN  
## pl\_nameKepler-147 c NaN  
## pl\_nameKepler-1470 b NaN  
## pl\_nameKepler-1471 b NaN  
## pl\_nameKepler-1471 c NaN  
## pl\_nameKepler-1472 b NaN  
## pl\_nameKepler-1473 b NaN  
## pl\_nameKepler-1474 b NaN  
## pl\_nameKepler-1475 b NaN  
## pl\_nameKepler-1476 b NaN  
## pl\_nameKepler-1477 b NaN  
## pl\_nameKepler-1478 b NaN  
## pl\_nameKepler-1479 b NaN  
## pl\_nameKepler-148 b NaN  
## pl\_nameKepler-148 c NaN  
## pl\_nameKepler-148 d NaN  
## pl\_nameKepler-1480 b NaN  
## pl\_nameKepler-1481 b NaN  
## pl\_nameKepler-1482 b NaN  
## pl\_nameKepler-1483 b NaN  
## pl\_nameKepler-1484 b NaN  
## pl\_nameKepler-1485 b NaN  
## pl\_nameKepler-1486 b NaN  
## pl\_nameKepler-1487 b NaN  
## pl\_nameKepler-1487 c NaN  
## pl\_nameKepler-1488 b NaN  
## pl\_nameKepler-1488 c NaN  
## pl\_nameKepler-1489 b NaN  
## pl\_nameKepler-149 b NaN  
## pl\_nameKepler-149 c NaN  
## pl\_nameKepler-149 d NaN  
## pl\_nameKepler-1490 b NaN  
## pl\_nameKepler-1491 b NaN  
## pl\_nameKepler-1491 c NaN  
## pl\_nameKepler-1492 b NaN  
## pl\_nameKepler-1493 b NaN  
## pl\_nameKepler-1494 b NaN  
## pl\_nameKepler-1495 b NaN  
## pl\_nameKepler-1496 b NaN  
## pl\_nameKepler-1497 b NaN  
## pl\_nameKepler-1498 b NaN  
## pl\_nameKepler-1499 b NaN  
## pl\_nameKepler-15 b NaN  
## pl\_nameKepler-150 b NaN  
## pl\_nameKepler-150 c NaN  
## pl\_nameKepler-150 d NaN  
## pl\_nameKepler-150 e NaN  
## pl\_nameKepler-1500 b NaN  
## pl\_nameKepler-1501 b NaN  
## pl\_nameKepler-1502 b NaN  
## pl\_nameKepler-1503 b NaN  
## pl\_nameKepler-1504 b NaN  
## pl\_nameKepler-1505 b NaN  
## pl\_nameKepler-1506 b NaN  
## pl\_nameKepler-1507 b NaN  
## pl\_nameKepler-1508 b NaN  
## pl\_nameKepler-1509 b NaN  
## pl\_nameKepler-151 b NaN  
## pl\_nameKepler-151 c NaN  
## pl\_nameKepler-1510 b NaN  
## pl\_nameKepler-1511 b NaN  
## pl\_nameKepler-1512 b NaN  
## pl\_nameKepler-1513 b NaN  
## pl\_nameKepler-1514 b NaN  
## pl\_nameKepler-1514 c NaN  
## pl\_nameKepler-1515 b NaN  
## pl\_nameKepler-1516 b NaN  
## pl\_nameKepler-1517 b NaN  
## pl\_nameKepler-1518 b NaN  
## pl\_nameKepler-1518 c NaN  
## pl\_nameKepler-1519 b NaN  
## pl\_nameKepler-152 b NaN  
## pl\_nameKepler-152 c NaN  
## pl\_nameKepler-1520 b NaN  
## pl\_nameKepler-1521 b NaN  
## pl\_nameKepler-1522 b NaN  
## pl\_nameKepler-1523 b NaN  
## pl\_nameKepler-1524 b NaN  
## pl\_nameKepler-1525 b NaN  
## pl\_nameKepler-1526 b NaN  
## pl\_nameKepler-1527 b NaN  
## pl\_nameKepler-1528 b NaN  
## pl\_nameKepler-1529 b NaN  
## pl\_nameKepler-153 b NaN  
## pl\_nameKepler-153 c NaN  
## pl\_nameKepler-1530 b NaN  
## pl\_nameKepler-1530 c NaN  
## pl\_nameKepler-1530 d NaN  
## pl\_nameKepler-1531 b NaN  
## pl\_nameKepler-1532 b NaN  
## pl\_nameKepler-1533 b NaN  
## pl\_nameKepler-1534 b NaN  
## pl\_nameKepler-1535 b NaN  
## pl\_nameKepler-1536 b NaN  
## pl\_nameKepler-1537 b NaN  
## pl\_nameKepler-1538 b NaN  
## pl\_nameKepler-1539 b NaN  
## pl\_nameKepler-154 b NaN  
## pl\_nameKepler-154 c NaN  
## pl\_nameKepler-154 d NaN  
## pl\_nameKepler-154 e NaN  
## pl\_nameKepler-154 f NaN  
## pl\_nameKepler-1540 b NaN  
## pl\_nameKepler-1541 b NaN  
## pl\_nameKepler-1542 b NaN  
## pl\_nameKepler-1542 c NaN  
## pl\_nameKepler-1542 d NaN  
## pl\_nameKepler-1542 e NaN  
## pl\_nameKepler-1543 b NaN  
## pl\_nameKepler-1544 b NaN  
## pl\_nameKepler-1545 b NaN  
## pl\_nameKepler-1546 b NaN  
## pl\_nameKepler-1547 b NaN  
## pl\_nameKepler-1548 b NaN  
## pl\_nameKepler-1549 b NaN  
## pl\_nameKepler-155 b NaN  
## pl\_nameKepler-155 c NaN  
## pl\_nameKepler-1550 b NaN  
## pl\_nameKepler-1551 b NaN  
## pl\_nameKepler-1552 b NaN  
## pl\_nameKepler-1553 b NaN  
## pl\_nameKepler-1554 b NaN  
## pl\_nameKepler-1555 b NaN  
## pl\_nameKepler-1556 b NaN  
## pl\_nameKepler-1557 b NaN  
## pl\_nameKepler-1558 b NaN  
## pl\_nameKepler-1559 b NaN  
## pl\_nameKepler-156 b NaN  
## pl\_nameKepler-156 c NaN  
## pl\_nameKepler-1560 b NaN  
## pl\_nameKepler-1561 b NaN  
## pl\_nameKepler-1562 b NaN  
## pl\_nameKepler-1563 b NaN  
## pl\_nameKepler-1564 b NaN  
## pl\_nameKepler-1565 b NaN  
## pl\_nameKepler-1566 b NaN  
## pl\_nameKepler-1567 b NaN  
## pl\_nameKepler-1568 b NaN  
## pl\_nameKepler-1569 b NaN  
## pl\_nameKepler-157 b NaN  
## pl\_nameKepler-157 c NaN  
## pl\_nameKepler-157 d NaN  
## pl\_nameKepler-1570 b NaN  
## pl\_nameKepler-1571 b NaN  
## pl\_nameKepler-1572 b NaN  
## pl\_nameKepler-1573 b NaN  
## pl\_nameKepler-1574 b NaN  
## pl\_nameKepler-1575 b NaN  
## pl\_nameKepler-1576 b NaN  
## pl\_nameKepler-1577 b NaN  
## pl\_nameKepler-1578 b NaN  
## pl\_nameKepler-1579 b NaN  
## pl\_nameKepler-158 b NaN  
## pl\_nameKepler-158 c NaN  
## pl\_nameKepler-1580 b NaN  
## pl\_nameKepler-1581 b NaN  
## pl\_nameKepler-1582 b NaN  
## pl\_nameKepler-1583 b NaN  
## pl\_nameKepler-1584 b NaN  
## pl\_nameKepler-1585 b NaN  
## pl\_nameKepler-1586 b NaN  
## pl\_nameKepler-1587 b NaN  
## pl\_nameKepler-1588 b NaN  
## pl\_nameKepler-1589 b NaN  
## pl\_nameKepler-159 b NaN  
## pl\_nameKepler-159 c NaN  
## pl\_nameKepler-1590 b NaN  
## pl\_nameKepler-1591 b NaN  
## pl\_nameKepler-1592 b NaN  
## pl\_nameKepler-1593 b NaN  
## pl\_nameKepler-1594 b NaN  
## pl\_nameKepler-1595 b NaN  
## pl\_nameKepler-1596 b NaN  
## pl\_nameKepler-1597 b NaN  
## pl\_nameKepler-1598 b NaN  
## pl\_nameKepler-1599 b NaN  
## pl\_nameKepler-16 b NaN  
## pl\_nameKepler-160 b NaN  
## pl\_nameKepler-160 c NaN  
## pl\_nameKepler-1600 b NaN  
## pl\_nameKepler-1600 c NaN  
## pl\_nameKepler-1601 b NaN  
## pl\_nameKepler-1602 b NaN  
## pl\_nameKepler-1603 b NaN  
## pl\_nameKepler-1604 b NaN  
## pl\_nameKepler-1605 b NaN  
## pl\_nameKepler-1606 b NaN  
## pl\_nameKepler-1607 b NaN  
## pl\_nameKepler-1608 b NaN  
## pl\_nameKepler-1609 b NaN  
## pl\_nameKepler-161 b NaN  
## pl\_nameKepler-161 c NaN  
## pl\_nameKepler-1610 b NaN  
## pl\_nameKepler-1610 c NaN  
## pl\_nameKepler-1611 b NaN  
## pl\_nameKepler-1612 b NaN  
## pl\_nameKepler-1613 b NaN  
## pl\_nameKepler-1614 b NaN  
## pl\_nameKepler-1615 b NaN  
## pl\_nameKepler-1616 b NaN  
## pl\_nameKepler-1617 b NaN  
## pl\_nameKepler-1618 b NaN  
## pl\_nameKepler-1619 b NaN  
## pl\_nameKepler-162 b NaN  
## pl\_nameKepler-162 c NaN  
## pl\_nameKepler-1620 b NaN  
## pl\_nameKepler-1621 b NaN  
## pl\_nameKepler-1622 b NaN  
## pl\_nameKepler-1623 b NaN  
## pl\_nameKepler-1624 b NaN  
## pl\_nameKepler-1625 b NaN  
## pl\_nameKepler-1626 b NaN  
## pl\_nameKepler-1627 b NaN  
## pl\_nameKepler-1628 b NaN  
## pl\_nameKepler-1629 b NaN  
## pl\_nameKepler-163 b NaN  
## pl\_nameKepler-163 c NaN  
## pl\_nameKepler-1630 b NaN  
## pl\_nameKepler-1631 b NaN  
## pl\_nameKepler-1632 b NaN  
## pl\_nameKepler-1633 b NaN  
## pl\_nameKepler-1634 b NaN  
## pl\_nameKepler-1635 b NaN  
## pl\_nameKepler-1636 b NaN  
## pl\_nameKepler-1637 b NaN  
## pl\_nameKepler-1638 b NaN  
## pl\_nameKepler-1639 b NaN  
## pl\_nameKepler-164 b NaN  
## pl\_nameKepler-164 c NaN  
## pl\_nameKepler-164 d NaN  
## pl\_nameKepler-164 e NaN  
## pl\_nameKepler-1640 b NaN  
## pl\_nameKepler-1641 b NaN  
## pl\_nameKepler-1641 c NaN  
## pl\_nameKepler-1642 b NaN  
## pl\_nameKepler-1642 c NaN  
## pl\_nameKepler-1643 b NaN  
## pl\_nameKepler-1644 b NaN  
## pl\_nameKepler-1645 b NaN  
## pl\_nameKepler-1646 b NaN  
## pl\_nameKepler-1647 b NaN  
## pl\_nameKepler-1649 b NaN  
## pl\_nameKepler-1649 c NaN  
## pl\_nameKepler-165 b NaN  
## pl\_nameKepler-165 c NaN  
## pl\_nameKepler-1650 b NaN  
## pl\_nameKepler-1651 b NaN  
## pl\_nameKepler-1652 b NaN  
## pl\_nameKepler-1654 b NaN  
## pl\_nameKepler-1655 b NaN  
## pl\_nameKepler-1656 b NaN  
## pl\_nameKepler-1656 c NaN  
## pl\_nameKepler-1658 b NaN  
## pl\_nameKepler-166 b NaN  
## pl\_nameKepler-166 c NaN  
## pl\_nameKepler-166 d NaN  
## pl\_nameKepler-1661 b NaN  
## pl\_nameKepler-1663 b NaN  
## pl\_nameKepler-1664 b NaN  
## pl\_nameKepler-1665 b NaN  
## pl\_nameKepler-1666 b NaN  
## pl\_nameKepler-1666 c NaN  
## pl\_nameKepler-1667 b NaN  
## pl\_nameKepler-1668 b NaN  
## pl\_nameKepler-1669 b NaN  
## pl\_nameKepler-1669 c NaN  
## pl\_nameKepler-1669 d NaN  
## pl\_nameKepler-167 b NaN  
## pl\_nameKepler-167 c NaN  
## pl\_nameKepler-167 d NaN  
## pl\_nameKepler-167 e NaN  
## pl\_nameKepler-1670 b NaN  
## pl\_nameKepler-1671 b NaN  
## pl\_nameKepler-1672 b NaN  
## pl\_nameKepler-1673 b NaN  
## pl\_nameKepler-1674 b NaN  
## pl\_nameKepler-1675 b NaN  
## pl\_nameKepler-1677 b NaN  
## pl\_nameKepler-1678 b NaN  
## pl\_nameKepler-1679 b NaN  
## pl\_nameKepler-168 b NaN  
## pl\_nameKepler-168 c NaN  
## pl\_nameKepler-1680 b NaN  
## pl\_nameKepler-1681 b NaN  
## pl\_nameKepler-1682 b NaN  
## pl\_nameKepler-1683 b NaN  
## pl\_nameKepler-1684 b NaN  
## pl\_nameKepler-1685 b NaN  
## pl\_nameKepler-1686 b NaN  
## pl\_nameKepler-1687 b NaN  
## pl\_nameKepler-1688 b NaN  
## pl\_nameKepler-1689 b NaN  
## pl\_nameKepler-169 b NaN  
## pl\_nameKepler-169 c NaN  
## pl\_nameKepler-169 d NaN  
## pl\_nameKepler-169 e NaN  
## pl\_nameKepler-169 f NaN  
## pl\_nameKepler-1690 b NaN  
## pl\_nameKepler-1691 b NaN  
## pl\_nameKepler-1692 b NaN  
## pl\_nameKepler-1693 b NaN  
## pl\_nameKepler-1693 c NaN  
## pl\_nameKepler-1694 b NaN  
## pl\_nameKepler-1695 b NaN  
## pl\_nameKepler-1696 b NaN  
## pl\_nameKepler-1697 b NaN  
## pl\_nameKepler-1698 b NaN  
## pl\_nameKepler-1699 b NaN  
## pl\_nameKepler-17 b NaN  
## pl\_nameKepler-170 b NaN  
## pl\_nameKepler-170 c NaN  
## pl\_nameKepler-1700 b NaN  
## pl\_nameKepler-1701 b NaN  
## pl\_nameKepler-1702 b NaN  
## pl\_nameKepler-1704 b NaN  
## pl\_nameKepler-1705 b NaN  
## pl\_nameKepler-1709 b NaN  
## pl\_nameKepler-171 b NaN  
## pl\_nameKepler-171 c NaN  
## pl\_nameKepler-171 d NaN  
## pl\_nameKepler-1710 b NaN  
## pl\_nameKepler-1711 b NaN  
## pl\_nameKepler-1712 b NaN  
## pl\_nameKepler-1713 b NaN  
## pl\_nameKepler-1714 b NaN  
## pl\_nameKepler-1715 b NaN  
## pl\_nameKepler-1716 b NaN  
## pl\_nameKepler-1717 b NaN  
## pl\_nameKepler-1718 b NaN  
## pl\_nameKepler-1719 b NaN  
## pl\_nameKepler-172 b NaN  
## pl\_nameKepler-172 c NaN  
## pl\_nameKepler-172 d NaN  
## pl\_nameKepler-172 e NaN  
## pl\_nameKepler-1720 b NaN  
## pl\_nameKepler-1721 b NaN  
## pl\_nameKepler-1722 b NaN  
## pl\_nameKepler-1723 b NaN  
## pl\_nameKepler-1724 b NaN  
## pl\_nameKepler-1725 b NaN  
## pl\_nameKepler-1726 b NaN  
## pl\_nameKepler-1727 b NaN  
## pl\_nameKepler-1728 b NaN  
## pl\_nameKepler-1729 b NaN  
## pl\_nameKepler-173 b NaN  
## pl\_nameKepler-173 c NaN  
## pl\_nameKepler-1730 b NaN  
## pl\_nameKepler-1731 b NaN  
## pl\_nameKepler-1732 b NaN  
## pl\_nameKepler-1733 b NaN  
## pl\_nameKepler-1734 b NaN  
## pl\_nameKepler-1735 b NaN  
## pl\_nameKepler-1736 b NaN  
## pl\_nameKepler-1738 b NaN  
## pl\_nameKepler-1739 b NaN  
## pl\_nameKepler-174 b NaN  
## pl\_nameKepler-174 c NaN  
## pl\_nameKepler-174 d NaN  
## pl\_nameKepler-1740 b NaN  
## pl\_nameKepler-1741 b NaN  
## pl\_nameKepler-1742 b NaN  
## pl\_nameKepler-1743 b NaN  
## pl\_nameKepler-1744 b NaN  
## pl\_nameKepler-1745 b NaN  
## pl\_nameKepler-1746 b NaN  
## pl\_nameKepler-1747 b NaN  
## pl\_nameKepler-1748 b NaN  
## pl\_nameKepler-1749 b NaN  
## pl\_nameKepler-175 b NaN  
## pl\_nameKepler-175 c NaN  
## pl\_nameKepler-1750 b NaN  
## pl\_nameKepler-1751 b NaN  
## pl\_nameKepler-1752 b NaN  
## pl\_nameKepler-1753 b NaN  
## pl\_nameKepler-1754 b NaN  
## pl\_nameKepler-1755 b NaN  
## pl\_nameKepler-1757 b NaN  
## pl\_nameKepler-1758 b NaN  
## pl\_nameKepler-1759 b NaN  
## pl\_nameKepler-176 b NaN  
## pl\_nameKepler-176 c NaN  
## pl\_nameKepler-176 d NaN  
## pl\_nameKepler-176 e NaN  
## pl\_nameKepler-1761 b NaN  
## pl\_nameKepler-1762 b NaN  
## pl\_nameKepler-1763 b NaN  
## pl\_nameKepler-1764 b NaN  
## pl\_nameKepler-1765 b NaN  
## pl\_nameKepler-1766 b NaN  
## pl\_nameKepler-1767 b NaN  
## pl\_nameKepler-1768 b NaN  
## pl\_nameKepler-1769 b NaN  
## pl\_nameKepler-177 b NaN  
## pl\_nameKepler-177 c NaN  
## pl\_nameKepler-1770 b NaN  
## pl\_nameKepler-1771 b NaN  
## pl\_nameKepler-1772 b NaN  
## pl\_nameKepler-1773 b NaN  
## pl\_nameKepler-1774 b NaN  
## pl\_nameKepler-1775 b NaN  
## pl\_nameKepler-1776 b NaN  
## pl\_nameKepler-1777 b NaN  
## pl\_nameKepler-1778 b NaN  
## pl\_nameKepler-1779 b NaN  
## pl\_nameKepler-178 b NaN  
## pl\_nameKepler-178 c NaN  
## pl\_nameKepler-178 d NaN  
## pl\_nameKepler-1780 b NaN  
## pl\_nameKepler-1781 b NaN  
## pl\_nameKepler-1782 b NaN  
## pl\_nameKepler-1783 b NaN  
## pl\_nameKepler-1784 b NaN  
## pl\_nameKepler-1785 b NaN  
## pl\_nameKepler-1786 b NaN  
## pl\_nameKepler-1787 b NaN  
## pl\_nameKepler-1788 b NaN  
## pl\_nameKepler-1789 b NaN  
## pl\_nameKepler-179 b NaN  
## pl\_nameKepler-179 c NaN  
## pl\_nameKepler-1790 b NaN  
## pl\_nameKepler-1791 b NaN  
## pl\_nameKepler-1792 b NaN  
## pl\_nameKepler-1793 b NaN  
## pl\_nameKepler-1794 b NaN  
## pl\_nameKepler-1796 b NaN  
## pl\_nameKepler-1797 b NaN  
## pl\_nameKepler-1798 b NaN  
## pl\_nameKepler-1799 b NaN  
## pl\_nameKepler-18 b NaN  
## pl\_nameKepler-18 c NaN  
## pl\_nameKepler-18 d NaN  
## pl\_nameKepler-180 b NaN  
## pl\_nameKepler-180 c NaN  
## pl\_nameKepler-1800 b NaN  
## pl\_nameKepler-1801 b NaN  
## pl\_nameKepler-1801 c NaN  
## pl\_nameKepler-1802 b NaN  
## pl\_nameKepler-1802 c NaN  
## pl\_nameKepler-1804 b NaN  
## pl\_nameKepler-1805 b NaN  
## pl\_nameKepler-1806 b NaN  
## pl\_nameKepler-1807 b NaN  
## pl\_nameKepler-1808 b NaN  
## pl\_nameKepler-1809 b NaN  
## pl\_nameKepler-181 b NaN  
## pl\_nameKepler-181 c NaN  
## pl\_nameKepler-1810 b NaN  
## pl\_nameKepler-1811 b NaN  
## pl\_nameKepler-1812 b NaN  
## pl\_nameKepler-1814 b NaN  
## pl\_nameKepler-1814 c NaN  
## pl\_nameKepler-1815 b NaN  
## pl\_nameKepler-1816 b NaN  
## pl\_nameKepler-1817 b NaN  
## pl\_nameKepler-1818 b NaN  
## pl\_nameKepler-1819 b NaN  
## pl\_nameKepler-182 b NaN  
## pl\_nameKepler-182 c NaN  
## pl\_nameKepler-1820 b NaN  
## pl\_nameKepler-1821 b NaN  
## pl\_nameKepler-1822 b NaN  
## pl\_nameKepler-1823 b NaN  
## pl\_nameKepler-1824 b NaN  
## pl\_nameKepler-1825 b NaN  
## pl\_nameKepler-1826 b NaN  
## pl\_nameKepler-1827 b NaN  
## pl\_nameKepler-1828 b NaN  
## pl\_nameKepler-1829 b NaN  
## pl\_nameKepler-183 b NaN  
## pl\_nameKepler-183 c NaN  
## pl\_nameKepler-1830 b NaN  
## pl\_nameKepler-1831 b NaN  
## pl\_nameKepler-1832 b NaN  
## pl\_nameKepler-1833 b NaN  
## pl\_nameKepler-1834 b NaN  
## pl\_nameKepler-1834 c NaN  
## pl\_nameKepler-1835 b NaN  
## pl\_nameKepler-1836 b NaN  
## pl\_nameKepler-1837 b NaN  
## pl\_nameKepler-1838 b NaN  
## pl\_nameKepler-1839 b NaN  
## pl\_nameKepler-184 b NaN  
## pl\_nameKepler-184 c NaN  
## pl\_nameKepler-184 d NaN  
## pl\_nameKepler-1840 b NaN  
## pl\_nameKepler-1841 b NaN  
## pl\_nameKepler-1842 b NaN  
## pl\_nameKepler-1843 b NaN  
## pl\_nameKepler-1844 b NaN  
## pl\_nameKepler-1845 b NaN  
## pl\_nameKepler-1846 b NaN  
## pl\_nameKepler-1847 b NaN  
## pl\_nameKepler-1848 b NaN  
## pl\_nameKepler-1849 b NaN  
## pl\_nameKepler-185 b NaN  
## pl\_nameKepler-185 c NaN  
## pl\_nameKepler-1850 b NaN  
## pl\_nameKepler-1851 b NaN  
## pl\_nameKepler-1852 b NaN  
## pl\_nameKepler-1853 b NaN  
## pl\_nameKepler-1854 b NaN  
## pl\_nameKepler-1856 b NaN  
## pl\_nameKepler-1857 b NaN  
## pl\_nameKepler-1858 b NaN  
## pl\_nameKepler-1859 b NaN  
## pl\_nameKepler-1859 c NaN  
## pl\_nameKepler-186 b NaN  
## pl\_nameKepler-186 c NaN  
## pl\_nameKepler-186 d NaN  
## pl\_nameKepler-186 e NaN  
## pl\_nameKepler-186 f NaN  
## pl\_nameKepler-1860 b NaN  
## pl\_nameKepler-1861 b NaN  
## pl\_nameKepler-1862 b NaN  
## pl\_nameKepler-1863 b NaN  
## pl\_nameKepler-1864 b NaN  
## pl\_nameKepler-1865 b NaN  
## pl\_nameKepler-1866 b NaN  
## pl\_nameKepler-1867 b NaN  
## pl\_nameKepler-1868 b NaN  
## pl\_nameKepler-1869 b NaN  
## pl\_nameKepler-1869 c NaN  
## pl\_nameKepler-187 b NaN  
## pl\_nameKepler-187 c NaN  
## pl\_nameKepler-1870 b NaN  
## pl\_nameKepler-1871 b NaN  
## pl\_nameKepler-1872 b NaN  
## pl\_nameKepler-1873 b NaN  
## pl\_nameKepler-1874 b NaN  
## pl\_nameKepler-1875 b NaN  
## pl\_nameKepler-1876 b NaN  
## pl\_nameKepler-1877 b NaN  
## pl\_nameKepler-1878 b NaN  
## pl\_nameKepler-1879 b NaN  
## pl\_nameKepler-188 b NaN  
## pl\_nameKepler-188 c NaN  
## pl\_nameKepler-1880 b NaN  
## pl\_nameKepler-1881 b NaN  
## pl\_nameKepler-1882 b NaN  
## pl\_nameKepler-1883 b NaN  
## pl\_nameKepler-1884 b NaN  
## pl\_nameKepler-1885 b NaN  
## pl\_nameKepler-1886 b NaN  
## pl\_nameKepler-1887 b NaN  
## pl\_nameKepler-1888 b NaN  
## pl\_nameKepler-1889 b NaN  
## pl\_nameKepler-189 b NaN  
## pl\_nameKepler-189 c NaN  
## pl\_nameKepler-1890 b NaN  
## pl\_nameKepler-1891 b NaN  
## pl\_nameKepler-1892 b NaN  
## pl\_nameKepler-1893 b NaN  
## pl\_nameKepler-1894 b NaN  
## pl\_nameKepler-1894 c NaN  
## pl\_nameKepler-1895 b NaN  
## pl\_nameKepler-1896 b NaN  
## pl\_nameKepler-1897 b NaN  
## pl\_nameKepler-1898 b NaN  
## pl\_nameKepler-1899 b NaN  
## pl\_nameKepler-19 b NaN  
## pl\_nameKepler-190 b NaN  
## pl\_nameKepler-190 c NaN  
## pl\_nameKepler-1900 b NaN  
## pl\_nameKepler-1901 b NaN  
## pl\_nameKepler-1902 b NaN  
## pl\_nameKepler-1903 b NaN  
## pl\_nameKepler-1904 b NaN  
## pl\_nameKepler-1905 b NaN  
## pl\_nameKepler-1906 b NaN  
## pl\_nameKepler-1907 b NaN  
## pl\_nameKepler-1907 c NaN  
## pl\_nameKepler-1909 b NaN  
## pl\_nameKepler-191 b NaN  
## pl\_nameKepler-191 c NaN  
## pl\_nameKepler-191 d NaN  
## pl\_nameKepler-1911 b NaN  
## pl\_nameKepler-1912 b NaN  
## pl\_nameKepler-1913 b NaN  
## pl\_nameKepler-1914 b NaN  
## pl\_nameKepler-1915 b NaN  
## pl\_nameKepler-1916 b NaN  
## pl\_nameKepler-1917 b NaN  
## pl\_nameKepler-1918 b NaN  
## pl\_nameKepler-1919 b NaN  
## pl\_nameKepler-192 b NaN  
## pl\_nameKepler-192 c NaN  
## pl\_nameKepler-192 d NaN  
## pl\_nameKepler-1920 b NaN  
## pl\_nameKepler-1921 b NaN  
## pl\_nameKepler-1921 c NaN  
## pl\_nameKepler-1922 b NaN  
## pl\_nameKepler-1923 b NaN  
## pl\_nameKepler-1924 b NaN  
## pl\_nameKepler-1925 b NaN  
## pl\_nameKepler-1926 b NaN  
## pl\_nameKepler-1927 b NaN  
## pl\_nameKepler-1928 b NaN  
## pl\_nameKepler-1929 b NaN  
## pl\_nameKepler-193 b NaN  
## pl\_nameKepler-193 c NaN  
## pl\_nameKepler-1930 b NaN  
## pl\_nameKepler-1931 b NaN  
## pl\_nameKepler-1932 b NaN  
## pl\_nameKepler-1933 b NaN  
## pl\_nameKepler-1934 b NaN  
## pl\_nameKepler-1935 b NaN  
## pl\_nameKepler-1936 b NaN  
## pl\_nameKepler-1937 b NaN  
## pl\_nameKepler-1938 b NaN  
## pl\_nameKepler-1939 b NaN  
## pl\_nameKepler-194 b NaN  
## pl\_nameKepler-194 c NaN  
## pl\_nameKepler-194 d NaN  
## pl\_nameKepler-1940 b NaN  
## pl\_nameKepler-1941 b NaN  
## pl\_nameKepler-1942 b NaN  
## pl\_nameKepler-1943 b NaN  
## pl\_nameKepler-1944 b NaN  
## pl\_nameKepler-1946 b NaN  
## pl\_nameKepler-1947 b NaN  
## pl\_nameKepler-1948 b NaN  
## pl\_nameKepler-1949 b NaN  
## pl\_nameKepler-195 b NaN  
## pl\_nameKepler-195 c NaN  
## pl\_nameKepler-1950 b NaN  
## pl\_nameKepler-1951 b NaN  
## pl\_nameKepler-1952 b NaN  
## pl\_nameKepler-1953 b NaN  
## pl\_nameKepler-1954 b NaN  
## pl\_nameKepler-1955 b NaN  
## pl\_nameKepler-1956 b NaN  
## pl\_nameKepler-1957 b NaN  
## pl\_nameKepler-1958 b NaN  
## pl\_nameKepler-1959 b NaN  
## pl\_nameKepler-196 b NaN  
## pl\_nameKepler-196 c NaN  
## pl\_nameKepler-196 d NaN  
## pl\_nameKepler-1960 b NaN  
## pl\_nameKepler-1961 b NaN  
## pl\_nameKepler-1962 b NaN  
## pl\_nameKepler-1963 b NaN  
## pl\_nameKepler-1965 b NaN  
## pl\_nameKepler-1966 b NaN  
## pl\_nameKepler-1967 b NaN  
## pl\_nameKepler-1968 b NaN  
## pl\_nameKepler-1969 b NaN  
## pl\_nameKepler-197 b NaN  
## pl\_nameKepler-197 c NaN  
## pl\_nameKepler-197 d NaN  
## pl\_nameKepler-197 e NaN  
## pl\_nameKepler-1972 b NaN  
## pl\_nameKepler-1972 c NaN  
## pl\_nameKepler-1977 b NaN  
## pl\_nameKepler-1978 b NaN  
## pl\_nameKepler-1979 b NaN  
## pl\_nameKepler-198 b NaN  
## pl\_nameKepler-198 c NaN  
## pl\_nameKepler-198 d NaN  
## pl\_nameKepler-1980 b NaN  
## pl\_nameKepler-1981 b NaN  
## pl\_nameKepler-1982 b NaN  
## pl\_nameKepler-1983 b NaN  
## pl\_nameKepler-1986 b NaN  
## pl\_nameKepler-1987 b NaN  
## pl\_nameKepler-1987 c NaN  
## pl\_nameKepler-1987 d NaN  
## pl\_nameKepler-1987 e NaN  
## pl\_nameKepler-1988 b NaN  
## pl\_nameKepler-1989 b NaN  
## pl\_nameKepler-199 b NaN  
## pl\_nameKepler-199 c NaN  
## pl\_nameKepler-1990 b NaN  
## pl\_nameKepler-1990 c NaN  
## pl\_nameKepler-1991 b NaN  
## pl\_nameKepler-1991 c NaN  
## pl\_nameKepler-1992 b NaN  
## pl\_nameKepler-1993 b NaN  
## pl\_nameKepler-1994 b NaN  
## pl\_nameKepler-1995 b NaN  
## pl\_nameKepler-1996 b NaN  
## pl\_nameKepler-1996 c NaN  
## pl\_nameKepler-1997 b NaN  
## pl\_nameKepler-1998 b NaN  
## pl\_nameKepler-1999 b NaN  
## pl\_nameKepler-20 b NaN  
## pl\_nameKepler-20 c NaN  
## pl\_nameKepler-20 d NaN  
## pl\_nameKepler-20 e NaN  
## pl\_nameKepler-20 f NaN  
## pl\_nameKepler-20 g NaN  
## pl\_nameKepler-200 b NaN  
## pl\_nameKepler-200 c NaN  
## pl\_nameKepler-2000 b NaN  
## pl\_nameKepler-2000 c NaN  
## pl\_nameKepler-2001 b NaN  
## pl\_nameKepler-2001 c NaN  
## pl\_nameKepler-201 b NaN  
## pl\_nameKepler-201 c NaN  
## pl\_nameKepler-202 b NaN  
## pl\_nameKepler-202 c NaN  
## pl\_nameKepler-203 b NaN  
## pl\_nameKepler-203 c NaN  
## pl\_nameKepler-203 d NaN  
## pl\_nameKepler-204 b NaN  
## pl\_nameKepler-204 c NaN  
## pl\_nameKepler-205 b NaN  
## pl\_nameKepler-205 c NaN  
## pl\_nameKepler-206 b NaN  
## pl\_nameKepler-206 c NaN  
## pl\_nameKepler-206 d NaN  
## pl\_nameKepler-207 b NaN  
## pl\_nameKepler-207 c NaN  
## pl\_nameKepler-207 d NaN  
## pl\_nameKepler-208 b NaN  
## pl\_nameKepler-208 c NaN  
## pl\_nameKepler-208 d NaN  
## pl\_nameKepler-208 e NaN  
## pl\_nameKepler-209 b NaN  
## pl\_nameKepler-209 c NaN  
## pl\_nameKepler-21 b NaN  
## pl\_nameKepler-210 b NaN  
## pl\_nameKepler-210 c NaN  
## pl\_nameKepler-211 b NaN  
## pl\_nameKepler-211 c NaN  
## pl\_nameKepler-212 b NaN  
## pl\_nameKepler-212 c NaN  
## pl\_nameKepler-213 b NaN  
## pl\_nameKepler-213 c NaN  
## pl\_nameKepler-214 b NaN  
## pl\_nameKepler-214 c NaN  
## pl\_nameKepler-215 b NaN  
## pl\_nameKepler-215 c NaN  
## pl\_nameKepler-215 d NaN  
## pl\_nameKepler-215 e NaN  
## pl\_nameKepler-216 b NaN  
## pl\_nameKepler-216 c NaN  
## pl\_nameKepler-217 b NaN  
## pl\_nameKepler-217 c NaN  
## pl\_nameKepler-217 d NaN  
## pl\_nameKepler-218 b NaN  
## pl\_nameKepler-218 c NaN  
## pl\_nameKepler-218 d NaN  
## pl\_nameKepler-219 b NaN  
## pl\_nameKepler-219 c NaN  
## pl\_nameKepler-219 d NaN  
## pl\_nameKepler-22 b NaN  
## pl\_nameKepler-220 b NaN  
## pl\_nameKepler-220 c NaN  
## pl\_nameKepler-220 d NaN  
## pl\_nameKepler-220 e NaN  
## pl\_nameKepler-221 b NaN  
## pl\_nameKepler-221 c NaN  
## pl\_nameKepler-221 d NaN  
## pl\_nameKepler-221 e NaN  
## pl\_nameKepler-222 b NaN  
## pl\_nameKepler-222 c NaN  
## pl\_nameKepler-222 d NaN  
## pl\_nameKepler-223 b NaN  
## pl\_nameKepler-223 c NaN  
## pl\_nameKepler-223 d NaN  
## pl\_nameKepler-223 e NaN  
## pl\_nameKepler-224 b NaN  
## pl\_nameKepler-224 c NaN  
## pl\_nameKepler-224 d NaN  
## pl\_nameKepler-224 e NaN  
## pl\_nameKepler-225 b NaN  
## pl\_nameKepler-225 c NaN  
## pl\_nameKepler-226 b NaN  
## pl\_nameKepler-226 c NaN  
## pl\_nameKepler-226 d NaN  
## pl\_nameKepler-227 b NaN  
## pl\_nameKepler-227 c NaN  
## pl\_nameKepler-228 b NaN  
## pl\_nameKepler-228 c NaN  
## pl\_nameKepler-228 d NaN  
## pl\_nameKepler-229 b NaN  
## pl\_nameKepler-229 c NaN  
## pl\_nameKepler-229 d NaN  
## pl\_nameKepler-23 d NaN  
## pl\_nameKepler-230 b NaN  
## pl\_nameKepler-230 c NaN  
## pl\_nameKepler-231 b NaN  
## pl\_nameKepler-231 c NaN  
## pl\_nameKepler-232 b NaN  
## pl\_nameKepler-232 c NaN  
## pl\_nameKepler-233 b NaN  
## pl\_nameKepler-233 c NaN  
## pl\_nameKepler-234 b NaN  
## pl\_nameKepler-234 c NaN  
## pl\_nameKepler-235 b NaN  
## pl\_nameKepler-235 c NaN  
## pl\_nameKepler-235 d NaN  
## pl\_nameKepler-235 e NaN  
## pl\_nameKepler-236 b NaN  
## pl\_nameKepler-236 c NaN  
## pl\_nameKepler-237 b NaN  
## pl\_nameKepler-237 c NaN  
## pl\_nameKepler-238 b NaN  
## pl\_nameKepler-238 c NaN  
## pl\_nameKepler-238 d NaN  
## pl\_nameKepler-238 e NaN  
## pl\_nameKepler-238 f NaN  
## pl\_nameKepler-239 b NaN  
## pl\_nameKepler-239 c NaN  
## pl\_nameKepler-24 d NaN  
## pl\_nameKepler-24 e NaN  
## pl\_nameKepler-240 b NaN  
## pl\_nameKepler-240 c NaN  
## pl\_nameKepler-241 b NaN  
## pl\_nameKepler-241 c NaN  
## pl\_nameKepler-242 b NaN  
## pl\_nameKepler-242 c NaN  
## pl\_nameKepler-243 b NaN  
## pl\_nameKepler-243 c NaN  
## pl\_nameKepler-244 b NaN  
## pl\_nameKepler-244 c NaN  
## pl\_nameKepler-244 d NaN  
## pl\_nameKepler-245 b NaN  
## pl\_nameKepler-245 c NaN  
## pl\_nameKepler-245 d NaN  
## pl\_nameKepler-245 e NaN  
## pl\_nameKepler-246 b NaN  
## pl\_nameKepler-246 c NaN  
## pl\_nameKepler-247 b NaN  
## pl\_nameKepler-247 c NaN  
## pl\_nameKepler-247 d NaN  
## pl\_nameKepler-248 b NaN  
## pl\_nameKepler-248 c NaN  
## pl\_nameKepler-249 b NaN  
## pl\_nameKepler-249 c NaN  
## pl\_nameKepler-249 d NaN  
## pl\_nameKepler-25 b NaN  
## pl\_nameKepler-25 c NaN  
## pl\_nameKepler-250 b NaN  
## pl\_nameKepler-250 c NaN  
## pl\_nameKepler-250 d NaN  
## pl\_nameKepler-251 b NaN  
## pl\_nameKepler-251 c NaN  
## pl\_nameKepler-251 d NaN  
## pl\_nameKepler-251 e NaN  
## pl\_nameKepler-252 b NaN  
## pl\_nameKepler-252 c NaN  
## pl\_nameKepler-253 b NaN  
## pl\_nameKepler-253 c NaN  
## pl\_nameKepler-253 d NaN  
## pl\_nameKepler-254 b NaN  
## pl\_nameKepler-254 c NaN  
## pl\_nameKepler-254 d NaN  
## pl\_nameKepler-255 b NaN  
## pl\_nameKepler-255 c NaN  
## pl\_nameKepler-255 d NaN  
## pl\_nameKepler-256 b NaN  
## pl\_nameKepler-256 c NaN  
## pl\_nameKepler-256 d NaN  
## pl\_nameKepler-256 e NaN  
## pl\_nameKepler-257 b NaN  
## pl\_nameKepler-257 c NaN  
## pl\_nameKepler-257 d NaN  
## pl\_nameKepler-258 b NaN  
## pl\_nameKepler-258 c NaN  
## pl\_nameKepler-259 b NaN  
## pl\_nameKepler-259 c NaN  
## pl\_nameKepler-26 b NaN  
## pl\_nameKepler-26 c NaN  
## pl\_nameKepler-26 d NaN  
## pl\_nameKepler-26 e NaN  
## pl\_nameKepler-260 b NaN  
## pl\_nameKepler-260 c NaN  
## pl\_nameKepler-261 b NaN  
## pl\_nameKepler-261 c NaN  
## pl\_nameKepler-262 b NaN  
## pl\_nameKepler-262 c NaN  
## pl\_nameKepler-263 b NaN  
## pl\_nameKepler-263 c NaN  
## pl\_nameKepler-264 b NaN  
## pl\_nameKepler-264 c NaN  
## pl\_nameKepler-265 b NaN  
## pl\_nameKepler-265 c NaN  
## pl\_nameKepler-265 d NaN  
## pl\_nameKepler-265 e NaN  
## pl\_nameKepler-266 b NaN  
## pl\_nameKepler-266 c NaN  
## pl\_nameKepler-267 b NaN  
## pl\_nameKepler-267 c NaN  
## pl\_nameKepler-267 d NaN  
## pl\_nameKepler-268 b NaN  
## pl\_nameKepler-268 c NaN  
## pl\_nameKepler-269 b NaN  
## pl\_nameKepler-269 c NaN  
## pl\_nameKepler-27 d NaN  
## pl\_nameKepler-270 b NaN  
## pl\_nameKepler-270 c NaN  
## pl\_nameKepler-271 b NaN  
## pl\_nameKepler-271 c NaN  
## pl\_nameKepler-271 d NaN  
## pl\_nameKepler-272 b NaN  
## pl\_nameKepler-272 c NaN  
## pl\_nameKepler-272 d NaN  
## pl\_nameKepler-273 b NaN  
## pl\_nameKepler-273 c NaN  
## pl\_nameKepler-274 b NaN  
## pl\_nameKepler-274 c NaN  
## pl\_nameKepler-275 b NaN  
## pl\_nameKepler-275 c NaN  
## pl\_nameKepler-275 d NaN  
## pl\_nameKepler-276 b NaN  
## pl\_nameKepler-276 c NaN  
## pl\_nameKepler-276 d NaN  
## pl\_nameKepler-277 b NaN  
## pl\_nameKepler-277 c NaN  
## pl\_nameKepler-278 b NaN  
## pl\_nameKepler-278 c NaN  
## pl\_nameKepler-279 b NaN  
## pl\_nameKepler-279 c NaN  
## pl\_nameKepler-279 d NaN  
## pl\_nameKepler-280 b NaN  
## pl\_nameKepler-280 c NaN  
## pl\_nameKepler-281 b NaN  
## pl\_nameKepler-281 c NaN  
## pl\_nameKepler-281 d NaN  
## pl\_nameKepler-282 b NaN  
## pl\_nameKepler-282 c NaN  
## pl\_nameKepler-282 d NaN  
## pl\_nameKepler-282 e NaN  
## pl\_nameKepler-283 b NaN  
## pl\_nameKepler-283 c NaN  
## pl\_nameKepler-284 b NaN  
## pl\_nameKepler-284 c NaN  
## pl\_nameKepler-285 b NaN  
## pl\_nameKepler-285 c NaN  
## pl\_nameKepler-286 b NaN  
## pl\_nameKepler-286 c NaN  
## pl\_nameKepler-286 d NaN  
## pl\_nameKepler-286 e NaN  
## pl\_nameKepler-287 b NaN  
## pl\_nameKepler-287 c NaN  
## pl\_nameKepler-288 b NaN  
## pl\_nameKepler-288 c NaN  
## pl\_nameKepler-288 d NaN  
## pl\_nameKepler-289 b NaN  
## pl\_nameKepler-289 c NaN  
## pl\_nameKepler-29 b NaN  
## pl\_nameKepler-29 c NaN  
## pl\_nameKepler-290 b NaN  
## pl\_nameKepler-290 c NaN  
## pl\_nameKepler-290 d NaN  
## pl\_nameKepler-291 b NaN  
## pl\_nameKepler-291 c NaN  
## pl\_nameKepler-292 b NaN  
## pl\_nameKepler-292 c NaN  
## pl\_nameKepler-292 d NaN  
## pl\_nameKepler-292 e NaN  
## pl\_nameKepler-292 f NaN  
## pl\_nameKepler-293 b NaN  
## pl\_nameKepler-293 c NaN  
## pl\_nameKepler-294 b NaN  
## pl\_nameKepler-294 c NaN  
## pl\_nameKepler-295 b NaN  
## pl\_nameKepler-295 c NaN  
## pl\_nameKepler-295 d NaN  
## pl\_nameKepler-296 b NaN  
## pl\_nameKepler-296 c NaN  
## pl\_nameKepler-296 d NaN  
## pl\_nameKepler-296 e NaN  
## pl\_nameKepler-296 f NaN  
## pl\_nameKepler-297 b NaN  
## pl\_nameKepler-297 c NaN  
## pl\_nameKepler-297 d NaN  
## pl\_nameKepler-298 b NaN  
## pl\_nameKepler-298 c NaN  
## pl\_nameKepler-298 d NaN  
## pl\_nameKepler-299 b NaN  
## pl\_nameKepler-299 c NaN  
## pl\_nameKepler-299 d NaN  
## pl\_nameKepler-299 e NaN  
## pl\_nameKepler-30 b NaN  
## pl\_nameKepler-30 c NaN  
## pl\_nameKepler-30 d NaN  
## pl\_nameKepler-300 b NaN  
## pl\_nameKepler-300 c NaN  
## pl\_nameKepler-301 b NaN  
## pl\_nameKepler-301 c NaN  
## pl\_nameKepler-301 d NaN  
## pl\_nameKepler-302 b NaN  
## pl\_nameKepler-303 b NaN  
## pl\_nameKepler-303 c NaN  
## pl\_nameKepler-304 b NaN  
## pl\_nameKepler-304 c NaN  
## pl\_nameKepler-304 d NaN  
## pl\_nameKepler-304 e NaN  
## pl\_nameKepler-305 b NaN  
## pl\_nameKepler-305 c NaN  
## pl\_nameKepler-305 d NaN  
## pl\_nameKepler-305 e NaN  
## pl\_nameKepler-306 b NaN  
## pl\_nameKepler-306 c NaN  
## pl\_nameKepler-306 d NaN  
## pl\_nameKepler-306 e NaN  
## pl\_nameKepler-307 b NaN  
## pl\_nameKepler-307 c NaN  
## pl\_nameKepler-308 b NaN  
## pl\_nameKepler-308 c NaN  
## pl\_nameKepler-309 b NaN  
## pl\_nameKepler-309 c NaN  
## pl\_nameKepler-31 b NaN  
## pl\_nameKepler-310 b NaN  
## pl\_nameKepler-310 c NaN  
## pl\_nameKepler-310 d NaN  
## pl\_nameKepler-311 b NaN  
## pl\_nameKepler-311 c NaN  
## pl\_nameKepler-311 d NaN  
## pl\_nameKepler-312 b NaN  
## pl\_nameKepler-312 c NaN  
## pl\_nameKepler-313 b NaN  
## pl\_nameKepler-313 c NaN  
## pl\_nameKepler-314 b NaN  
## pl\_nameKepler-314 c NaN  
## pl\_nameKepler-315 b NaN  
## pl\_nameKepler-315 c NaN  
## pl\_nameKepler-316 b NaN  
## pl\_nameKepler-316 c NaN  
## pl\_nameKepler-317 b NaN  
## pl\_nameKepler-317 c NaN  
## pl\_nameKepler-318 b NaN  
## pl\_nameKepler-318 c NaN  
## pl\_nameKepler-319 b NaN  
## pl\_nameKepler-319 c NaN  
## pl\_nameKepler-319 d NaN  
## pl\_nameKepler-32 d NaN  
## pl\_nameKepler-32 e NaN  
## pl\_nameKepler-32 f NaN  
## pl\_nameKepler-320 b NaN  
## pl\_nameKepler-320 c NaN  
## pl\_nameKepler-321 b NaN  
## pl\_nameKepler-321 c NaN  
## pl\_nameKepler-322 b NaN  
## pl\_nameKepler-322 c NaN  
## pl\_nameKepler-323 b NaN  
## pl\_nameKepler-323 c NaN  
## pl\_nameKepler-324 b NaN  
## pl\_nameKepler-324 c NaN  
## pl\_nameKepler-324 e NaN  
## pl\_nameKepler-325 b NaN  
## pl\_nameKepler-325 c NaN  
## pl\_nameKepler-325 d NaN  
## pl\_nameKepler-326 b NaN  
## pl\_nameKepler-326 c NaN  
## pl\_nameKepler-326 d NaN  
## pl\_nameKepler-327 b NaN  
## pl\_nameKepler-327 c NaN  
## pl\_nameKepler-327 d NaN  
## pl\_nameKepler-328 b NaN  
## pl\_nameKepler-328 c NaN  
## pl\_nameKepler-329 b NaN  
## pl\_nameKepler-329 c NaN  
## pl\_nameKepler-33 b NaN  
## pl\_nameKepler-33 c NaN  
## pl\_nameKepler-33 d NaN  
## pl\_nameKepler-33 e NaN  
## pl\_nameKepler-33 f NaN  
## pl\_nameKepler-330 b NaN  
## pl\_nameKepler-330 c NaN  
## pl\_nameKepler-331 b NaN  
## pl\_nameKepler-331 c NaN  
## pl\_nameKepler-331 d NaN  
## pl\_nameKepler-332 b NaN  
## pl\_nameKepler-332 c NaN  
## pl\_nameKepler-332 d NaN  
## pl\_nameKepler-333 b NaN  
## pl\_nameKepler-333 c NaN  
## pl\_nameKepler-334 b NaN  
## pl\_nameKepler-334 c NaN  
## pl\_nameKepler-334 d NaN  
## pl\_nameKepler-335 b NaN  
## pl\_nameKepler-335 c NaN  
## pl\_nameKepler-336 b NaN  
## pl\_nameKepler-336 c NaN  
## pl\_nameKepler-336 d NaN  
## pl\_nameKepler-337 b NaN  
## pl\_nameKepler-337 c NaN  
## pl\_nameKepler-338 b NaN  
## pl\_nameKepler-338 c NaN  
## pl\_nameKepler-338 d NaN  
## pl\_nameKepler-338 e NaN  
## pl\_nameKepler-339 b NaN  
## pl\_nameKepler-339 c NaN  
## pl\_nameKepler-339 d NaN  
## pl\_nameKepler-34 b NaN  
## pl\_nameKepler-340 b NaN  
## pl\_nameKepler-340 c NaN  
## pl\_nameKepler-341 b NaN  
## pl\_nameKepler-341 c NaN  
## pl\_nameKepler-341 d NaN  
## pl\_nameKepler-341 e NaN  
## pl\_nameKepler-342 b NaN  
## pl\_nameKepler-342 c NaN  
## pl\_nameKepler-342 d NaN  
## pl\_nameKepler-342 e NaN  
## pl\_nameKepler-343 b NaN  
## pl\_nameKepler-343 c NaN  
## pl\_nameKepler-344 b NaN  
## pl\_nameKepler-344 c NaN  
## pl\_nameKepler-345 b NaN  
## pl\_nameKepler-345 c NaN  
## pl\_nameKepler-346 b NaN  
## pl\_nameKepler-346 c NaN  
## pl\_nameKepler-347 b NaN  
## pl\_nameKepler-347 c NaN  
## pl\_nameKepler-347 d NaN  
## pl\_nameKepler-348 b NaN  
## pl\_nameKepler-348 c NaN  
## pl\_nameKepler-349 b NaN  
## pl\_nameKepler-349 c NaN  
## pl\_nameKepler-35 b NaN  
## pl\_nameKepler-350 b NaN  
## pl\_nameKepler-350 c NaN  
## pl\_nameKepler-350 d NaN  
## pl\_nameKepler-351 b NaN  
## pl\_nameKepler-351 c NaN  
## pl\_nameKepler-351 d NaN  
## pl\_nameKepler-352 b NaN  
## pl\_nameKepler-352 c NaN  
## pl\_nameKepler-352 d NaN  
## pl\_nameKepler-353 b NaN  
## pl\_nameKepler-353 c NaN  
## pl\_nameKepler-354 b NaN  
## pl\_nameKepler-354 c NaN  
## pl\_nameKepler-354 d NaN  
## pl\_nameKepler-355 b NaN  
## pl\_nameKepler-355 c NaN  
## pl\_nameKepler-356 b NaN  
## pl\_nameKepler-356 c NaN  
## pl\_nameKepler-357 b NaN  
## pl\_nameKepler-357 c NaN  
## pl\_nameKepler-357 d NaN  
## pl\_nameKepler-358 b NaN  
## pl\_nameKepler-358 c NaN  
## pl\_nameKepler-359 b NaN  
## pl\_nameKepler-359 c NaN  
## pl\_nameKepler-359 d NaN  
## pl\_nameKepler-36 b NaN  
## pl\_nameKepler-36 c NaN  
## pl\_nameKepler-360 b NaN  
## pl\_nameKepler-360 c NaN  
## pl\_nameKepler-361 b NaN  
## pl\_nameKepler-361 c NaN  
## pl\_nameKepler-362 b NaN  
## pl\_nameKepler-362 c NaN  
## pl\_nameKepler-363 b NaN  
## pl\_nameKepler-363 c NaN  
## pl\_nameKepler-363 d NaN  
## pl\_nameKepler-364 b NaN  
## pl\_nameKepler-364 c NaN  
## pl\_nameKepler-366 b NaN  
## pl\_nameKepler-366 c NaN  
## pl\_nameKepler-367 b NaN  
## pl\_nameKepler-367 c NaN  
## pl\_nameKepler-368 b NaN  
## pl\_nameKepler-368 c NaN  
## pl\_nameKepler-369 b NaN  
## pl\_nameKepler-369 c NaN  
## pl\_nameKepler-37 b NaN  
## pl\_nameKepler-37 c NaN  
## pl\_nameKepler-37 d NaN  
## pl\_nameKepler-370 b NaN  
## pl\_nameKepler-370 c NaN  
## pl\_nameKepler-371 b NaN  
## pl\_nameKepler-371 c NaN  
## pl\_nameKepler-372 b NaN  
## pl\_nameKepler-372 c NaN  
## pl\_nameKepler-372 d NaN  
## pl\_nameKepler-373 b NaN  
## pl\_nameKepler-373 c NaN  
## pl\_nameKepler-374 b NaN  
## pl\_nameKepler-374 c NaN  
## pl\_nameKepler-374 d NaN  
## pl\_nameKepler-375 b NaN  
## pl\_nameKepler-375 c NaN  
## pl\_nameKepler-376 b NaN  
## pl\_nameKepler-376 c NaN  
## pl\_nameKepler-377 b NaN  
## pl\_nameKepler-377 c NaN  
## pl\_nameKepler-378 b NaN  
## pl\_nameKepler-378 c NaN  
## pl\_nameKepler-379 b NaN  
## pl\_nameKepler-379 c NaN  
## pl\_nameKepler-380 b NaN  
## pl\_nameKepler-380 c NaN  
## pl\_nameKepler-381 b NaN  
## pl\_nameKepler-381 c NaN  
## pl\_nameKepler-381 d NaN  
## pl\_nameKepler-382 b NaN  
## pl\_nameKepler-382 c NaN  
## pl\_nameKepler-383 b NaN  
## pl\_nameKepler-383 c NaN  
## pl\_nameKepler-384 b NaN  
## pl\_nameKepler-384 c NaN  
## pl\_nameKepler-385 b NaN  
## pl\_nameKepler-385 c NaN  
## pl\_nameKepler-385 d NaN  
## pl\_nameKepler-386 b NaN  
## pl\_nameKepler-386 c NaN  
## pl\_nameKepler-387 b NaN  
## pl\_nameKepler-387 c NaN  
## pl\_nameKepler-388 b NaN  
## pl\_nameKepler-388 c NaN  
## pl\_nameKepler-389 b NaN  
## pl\_nameKepler-389 c NaN  
## pl\_nameKepler-39 b NaN  
## pl\_nameKepler-390 b NaN  
## pl\_nameKepler-390 c NaN  
## pl\_nameKepler-391 b NaN  
## pl\_nameKepler-391 c NaN  
## pl\_nameKepler-392 b NaN  
## pl\_nameKepler-392 c NaN  
## pl\_nameKepler-393 b NaN  
## pl\_nameKepler-393 c NaN  
## pl\_nameKepler-394 b NaN  
## pl\_nameKepler-394 c NaN  
## pl\_nameKepler-394 d NaN  
## pl\_nameKepler-395 b NaN  
## pl\_nameKepler-395 c NaN  
## pl\_nameKepler-396 b NaN  
## pl\_nameKepler-396 c NaN  
## pl\_nameKepler-398 b NaN  
## pl\_nameKepler-398 c NaN  
## pl\_nameKepler-398 d NaN  
## pl\_nameKepler-399 b NaN  
## pl\_nameKepler-399 c NaN  
## pl\_nameKepler-399 d NaN  
## pl\_nameKepler-4 b NaN  
## pl\_nameKepler-40 b NaN  
## pl\_nameKepler-400 b NaN  
## pl\_nameKepler-400 c NaN  
## pl\_nameKepler-401 b NaN  
## pl\_nameKepler-401 c NaN  
## pl\_nameKepler-401 d NaN  
## pl\_nameKepler-402 b NaN  
## pl\_nameKepler-402 c NaN  
## pl\_nameKepler-402 d NaN  
## pl\_nameKepler-402 e NaN  
## pl\_nameKepler-403 b NaN  
## pl\_nameKepler-403 c NaN  
## pl\_nameKepler-403 d NaN  
## pl\_nameKepler-404 b NaN  
## pl\_nameKepler-404 c NaN  
## pl\_nameKepler-405 b NaN  
## pl\_nameKepler-405 c NaN  
## pl\_nameKepler-406 b NaN  
## pl\_nameKepler-406 c NaN  
## pl\_nameKepler-409 b NaN  
## pl\_nameKepler-41 b NaN  
## pl\_nameKepler-410 A b NaN  
## pl\_nameKepler-411 b NaN  
## pl\_nameKepler-411 c NaN  
## pl\_nameKepler-411 d NaN  
## pl\_nameKepler-411 e NaN  
## pl\_nameKepler-412 b NaN  
## pl\_nameKepler-413 b NaN  
## pl\_nameKepler-414 b NaN  
## pl\_nameKepler-414 c NaN  
## pl\_nameKepler-415 b NaN  
## pl\_nameKepler-415 c NaN  
## pl\_nameKepler-416 b NaN  
## pl\_nameKepler-416 c NaN  
## pl\_nameKepler-416 d NaN  
## pl\_nameKepler-417 b NaN  
## pl\_nameKepler-417 c NaN  
## pl\_nameKepler-418 c NaN  
## pl\_nameKepler-419 b NaN  
## pl\_nameKepler-419 c NaN  
## pl\_nameKepler-42 b NaN  
## pl\_nameKepler-42 c NaN  
## pl\_nameKepler-42 d NaN  
## pl\_nameKepler-421 b NaN  
## pl\_nameKepler-422 b NaN  
## pl\_nameKepler-423 b NaN  
## pl\_nameKepler-424 b NaN  
## pl\_nameKepler-425 b NaN  
## pl\_nameKepler-426 b NaN  
## pl\_nameKepler-427 b NaN  
## pl\_nameKepler-428 b NaN  
## pl\_nameKepler-43 b NaN  
## pl\_nameKepler-430 b NaN  
## pl\_nameKepler-430 c NaN  
## pl\_nameKepler-431 b NaN  
## pl\_nameKepler-431 c NaN  
## pl\_nameKepler-431 d NaN  
## pl\_nameKepler-432 b NaN  
## pl\_nameKepler-433 b NaN  
## pl\_nameKepler-434 b NaN  
## pl\_nameKepler-435 b NaN  
## pl\_nameKepler-436 b NaN  
## pl\_nameKepler-436 c NaN  
## pl\_nameKepler-437 b NaN  
## pl\_nameKepler-438 b NaN  
## pl\_nameKepler-439 b NaN  
## pl\_nameKepler-44 b NaN  
## pl\_nameKepler-440 b NaN  
## pl\_nameKepler-441 b NaN  
## pl\_nameKepler-442 b NaN  
## pl\_nameKepler-443 b NaN  
## pl\_nameKepler-444 b NaN  
## pl\_nameKepler-444 c NaN  
## pl\_nameKepler-444 d NaN  
## pl\_nameKepler-444 e NaN  
## pl\_nameKepler-444 f NaN  
## pl\_nameKepler-445 b NaN  
## pl\_nameKepler-445 c NaN  
## pl\_nameKepler-445 d NaN  
## pl\_nameKepler-446 b NaN  
## pl\_nameKepler-446 c NaN  
## pl\_nameKepler-446 d NaN  
## pl\_nameKepler-447 b NaN  
## pl\_nameKepler-448 c NaN  
## pl\_nameKepler-449 b NaN  
## pl\_nameKepler-449 c NaN  
## pl\_nameKepler-45 b NaN  
## pl\_nameKepler-450 b NaN  
## pl\_nameKepler-450 c NaN  
## pl\_nameKepler-450 d NaN  
## pl\_nameKepler-452 b NaN  
## pl\_nameKepler-454 b NaN  
## pl\_nameKepler-454 c NaN  
## pl\_nameKepler-454 d NaN  
## pl\_nameKepler-457 d NaN  
## pl\_nameKepler-458 c NaN  
## pl\_nameKepler-46 b NaN  
## pl\_nameKepler-46 c NaN  
## pl\_nameKepler-46 d NaN  
## pl\_nameKepler-460 c NaN  
## pl\_nameKepler-461 b NaN  
## pl\_nameKepler-462 b NaN  
## pl\_nameKepler-462 c NaN  
## pl\_nameKepler-463 b NaN  
## pl\_nameKepler-464 b NaN  
## pl\_nameKepler-465 b NaN  
## pl\_nameKepler-466 b NaN  
## pl\_nameKepler-466 c NaN  
## pl\_nameKepler-467 b NaN  
## pl\_nameKepler-47 b NaN  
## pl\_nameKepler-47 c NaN  
## pl\_nameKepler-47 d NaN  
## pl\_nameKepler-470 b NaN  
## pl\_nameKepler-471 b NaN  
## pl\_nameKepler-472 b NaN  
## pl\_nameKepler-473 b NaN  
## pl\_nameKepler-474 b NaN  
## pl\_nameKepler-475 b NaN  
## pl\_nameKepler-476 b NaN  
## pl\_nameKepler-478 b NaN  
## pl\_nameKepler-479 b NaN  
## pl\_nameKepler-48 b NaN  
## pl\_nameKepler-48 c NaN  
## pl\_nameKepler-48 d NaN  
## pl\_nameKepler-480 b NaN  
## pl\_nameKepler-481 b NaN  
## pl\_nameKepler-482 b NaN  
## pl\_nameKepler-483 b NaN  
## pl\_nameKepler-484 b NaN  
## pl\_nameKepler-485 b NaN  
## pl\_nameKepler-487 c NaN  
## pl\_nameKepler-487 d NaN  
## pl\_nameKepler-488 b NaN  
## pl\_nameKepler-489 b NaN  
## pl\_nameKepler-49 b NaN  
## pl\_nameKepler-49 c NaN  
## pl\_nameKepler-49 d NaN  
## pl\_nameKepler-49 e NaN  
## pl\_nameKepler-491 b NaN  
## pl\_nameKepler-493 b NaN  
## pl\_nameKepler-494 b NaN  
## pl\_nameKepler-495 b NaN  
## pl\_nameKepler-495 c NaN  
## pl\_nameKepler-496 b NaN  
## pl\_nameKepler-497 b NaN  
## pl\_nameKepler-498 b NaN  
## pl\_nameKepler-499 b NaN  
## pl\_nameKepler-5 b NaN  
## pl\_nameKepler-500 b NaN  
## pl\_nameKepler-501 b NaN  
## pl\_nameKepler-501 c NaN  
## pl\_nameKepler-502 b NaN  
## pl\_nameKepler-504 b NaN  
## pl\_nameKepler-505 b NaN  
## pl\_nameKepler-506 b NaN  
## pl\_nameKepler-507 b NaN  
## pl\_nameKepler-508 b NaN  
## pl\_nameKepler-509 b NaN  
## pl\_nameKepler-51 b NaN  
## pl\_nameKepler-51 c NaN  
## pl\_nameKepler-51 d NaN  
## pl\_nameKepler-510 b NaN  
## pl\_nameKepler-511 b NaN  
## pl\_nameKepler-511 c NaN  
## pl\_nameKepler-512 b NaN  
## pl\_nameKepler-513 b NaN  
## pl\_nameKepler-514 b NaN  
## pl\_nameKepler-516 b NaN  
## pl\_nameKepler-517 b NaN  
## pl\_nameKepler-518 b NaN  
## pl\_nameKepler-519 b NaN  
## pl\_nameKepler-52 d NaN  
## pl\_nameKepler-520 b NaN  
## pl\_nameKepler-520 c NaN  
## pl\_nameKepler-521 b NaN  
## pl\_nameKepler-522 b NaN  
## pl\_nameKepler-523 b NaN  
## pl\_nameKepler-524 b NaN  
## pl\_nameKepler-524 c NaN  
## pl\_nameKepler-525 b NaN  
## pl\_nameKepler-526 b NaN  
## pl\_nameKepler-527 b NaN  
## pl\_nameKepler-528 b NaN  
## pl\_nameKepler-529 b NaN  
## pl\_nameKepler-529 c NaN  
## pl\_nameKepler-529 d NaN  
## pl\_nameKepler-53 d NaN  
## pl\_nameKepler-530 b NaN  
## pl\_nameKepler-531 b NaN  
## pl\_nameKepler-532 b NaN  
## pl\_nameKepler-533 b NaN  
## pl\_nameKepler-534 b NaN  
## pl\_nameKepler-534 c NaN  
## pl\_nameKepler-535 b NaN  
## pl\_nameKepler-536 b NaN  
## pl\_nameKepler-537 b NaN  
## pl\_nameKepler-538 b NaN  
## pl\_nameKepler-539 b NaN  
## pl\_nameKepler-539 c NaN  
## pl\_nameKepler-54 b NaN  
## pl\_nameKepler-54 c NaN  
## pl\_nameKepler-54 d NaN  
## pl\_nameKepler-540 b NaN  
## pl\_nameKepler-541 b NaN  
## pl\_nameKepler-542 b NaN  
## pl\_nameKepler-543 b NaN  
## pl\_nameKepler-544 b NaN  
## pl\_nameKepler-545 b NaN  
## pl\_nameKepler-546 b NaN  
## pl\_nameKepler-547 b NaN  
## pl\_nameKepler-549 b NaN  
## pl\_nameKepler-549 c NaN  
## pl\_nameKepler-549 d NaN  
## pl\_nameKepler-55 b NaN  
## pl\_nameKepler-55 c NaN  
## pl\_nameKepler-55 d NaN  
## pl\_nameKepler-55 e NaN  
## pl\_nameKepler-55 f NaN  
## pl\_nameKepler-550 b NaN  
## pl\_nameKepler-551 b NaN  
## pl\_nameKepler-552 b NaN  
## pl\_nameKepler-553 b NaN  
## pl\_nameKepler-554 b NaN  
## pl\_nameKepler-555 b NaN  
## pl\_nameKepler-556 b NaN  
## pl\_nameKepler-557 b NaN  
## pl\_nameKepler-558 b NaN  
## pl\_nameKepler-559 b NaN  
## pl\_nameKepler-56 b NaN  
## pl\_nameKepler-56 c NaN  
## pl\_nameKepler-56 d NaN  
## pl\_nameKepler-560 b NaN  
## pl\_nameKepler-561 b NaN  
## pl\_nameKepler-561 c NaN  
## pl\_nameKepler-562 b NaN  
## pl\_nameKepler-563 b NaN  
## pl\_nameKepler-564 b NaN  
## pl\_nameKepler-566 b NaN  
## pl\_nameKepler-567 b NaN  
## pl\_nameKepler-568 b NaN  
## pl\_nameKepler-569 b NaN  
## pl\_nameKepler-570 b NaN  
## pl\_nameKepler-571 b NaN  
## pl\_nameKepler-572 b NaN  
## pl\_nameKepler-573 b NaN  
## pl\_nameKepler-574 b NaN  
## pl\_nameKepler-575 b NaN  
## pl\_nameKepler-576 b NaN  
## pl\_nameKepler-577 b NaN  
## pl\_nameKepler-578 b NaN  
## pl\_nameKepler-579 b NaN  
## pl\_nameKepler-58 d NaN  
## pl\_nameKepler-58 e NaN  
## pl\_nameKepler-580 b NaN  
## pl\_nameKepler-581 b NaN  
## pl\_nameKepler-582 b NaN  
## pl\_nameKepler-583 b NaN  
## pl\_nameKepler-584 b NaN  
## pl\_nameKepler-585 b NaN  
## pl\_nameKepler-586 b NaN  
## pl\_nameKepler-587 b NaN  
## pl\_nameKepler-588 b NaN  
## pl\_nameKepler-589 b NaN  
## pl\_nameKepler-589 c NaN  
## pl\_nameKepler-59 b NaN  
## pl\_nameKepler-59 c NaN  
## pl\_nameKepler-590 b NaN  
## pl\_nameKepler-591 b NaN  
## pl\_nameKepler-592 b NaN  
## pl\_nameKepler-593 b NaN  
## pl\_nameKepler-594 b NaN  
## pl\_nameKepler-595 b NaN  
## pl\_nameKepler-595 c NaN  
## pl\_nameKepler-596 b NaN  
## pl\_nameKepler-597 b NaN  
## pl\_nameKepler-598 b NaN  
## pl\_nameKepler-598 c NaN  
## pl\_nameKepler-599 b NaN  
## pl\_nameKepler-6 b NaN  
## pl\_nameKepler-60 b NaN  
## pl\_nameKepler-60 c NaN  
## pl\_nameKepler-60 d NaN  
## pl\_nameKepler-600 b NaN  
## pl\_nameKepler-601 b NaN  
## pl\_nameKepler-602 b NaN  
## pl\_nameKepler-603 b NaN  
## pl\_nameKepler-603 c NaN  
## pl\_nameKepler-603 d NaN  
## pl\_nameKepler-604 b NaN  
## pl\_nameKepler-605 b NaN  
## pl\_nameKepler-605 c NaN  
## pl\_nameKepler-606 b NaN  
## pl\_nameKepler-607 b NaN  
## pl\_nameKepler-607 c NaN  
## pl\_nameKepler-608 b NaN  
## pl\_nameKepler-609 b NaN  
## pl\_nameKepler-61 b NaN  
## pl\_nameKepler-610 b NaN  
## pl\_nameKepler-610 c NaN  
## pl\_nameKepler-611 b NaN  
## pl\_nameKepler-612 b NaN  
## pl\_nameKepler-613 b NaN  
## pl\_nameKepler-614 b NaN  
## pl\_nameKepler-615 b NaN  
## pl\_nameKepler-616 b NaN  
## pl\_nameKepler-616 c NaN  
## pl\_nameKepler-616 d NaN  
## pl\_nameKepler-617 b NaN  
## pl\_nameKepler-618 b NaN  
## pl\_nameKepler-618 d NaN  
## pl\_nameKepler-619 b NaN  
## pl\_nameKepler-619 c NaN  
## pl\_nameKepler-620 b NaN  
## pl\_nameKepler-621 b NaN  
## pl\_nameKepler-622 b NaN  
## pl\_nameKepler-623 b NaN  
## pl\_nameKepler-624 b NaN  
## pl\_nameKepler-625 b NaN  
## pl\_nameKepler-625 c NaN  
## pl\_nameKepler-626 b NaN  
## pl\_nameKepler-627 b NaN  
## pl\_nameKepler-628 b NaN  
## pl\_nameKepler-629 b NaN  
## pl\_nameKepler-63 b NaN  
## pl\_nameKepler-630 b NaN  
## pl\_nameKepler-631 b NaN  
## pl\_nameKepler-634 b NaN  
## pl\_nameKepler-635 b NaN  
## pl\_nameKepler-637 b NaN  
## pl\_nameKepler-638 b NaN  
## pl\_nameKepler-639 b NaN  
## pl\_nameKepler-640 b NaN  
## pl\_nameKepler-641 b NaN  
## pl\_nameKepler-642 b NaN  
## pl\_nameKepler-643 b NaN  
## pl\_nameKepler-644 b NaN  
## pl\_nameKepler-645 b NaN  
## pl\_nameKepler-646 b NaN  
## pl\_nameKepler-647 b NaN  
## pl\_nameKepler-647 c NaN  
## pl\_nameKepler-648 b NaN  
## pl\_nameKepler-649 b NaN  
## pl\_nameKepler-65 b NaN  
## pl\_nameKepler-65 c NaN  
## pl\_nameKepler-65 d NaN  
## pl\_nameKepler-650 b NaN  
## pl\_nameKepler-651 b NaN  
## pl\_nameKepler-652 b NaN  
## pl\_nameKepler-653 b NaN  
## pl\_nameKepler-653 c NaN  
## pl\_nameKepler-654 b NaN  
## pl\_nameKepler-655 b NaN  
## pl\_nameKepler-656 b NaN  
## pl\_nameKepler-656 c NaN  
## pl\_nameKepler-657 b NaN  
## pl\_nameKepler-658 b NaN  
## pl\_nameKepler-659 b NaN  
## pl\_nameKepler-66 b NaN  
## pl\_nameKepler-660 b NaN  
## pl\_nameKepler-661 b NaN  
## pl\_nameKepler-662 b NaN  
## pl\_nameKepler-663 b NaN  
## pl\_nameKepler-664 b NaN  
## pl\_nameKepler-665 b NaN  
## pl\_nameKepler-666 b NaN  
## pl\_nameKepler-667 b NaN  
## pl\_nameKepler-668 b NaN  
## pl\_nameKepler-669 b NaN  
## pl\_nameKepler-67 b NaN  
## pl\_nameKepler-671 b NaN  
## pl\_nameKepler-672 b NaN  
## pl\_nameKepler-673 b NaN  
## pl\_nameKepler-674 b NaN  
## pl\_nameKepler-675 b NaN  
## pl\_nameKepler-676 b NaN  
## pl\_nameKepler-677 b NaN  
## pl\_nameKepler-678 b NaN  
## pl\_nameKepler-679 b NaN  
## pl\_nameKepler-68 b NaN  
## pl\_nameKepler-68 c NaN  
## pl\_nameKepler-68 d NaN  
## pl\_nameKepler-68 e NaN  
## pl\_nameKepler-680 b NaN  
## pl\_nameKepler-681 b NaN  
## pl\_nameKepler-682 b NaN  
## pl\_nameKepler-683 b NaN  
## pl\_nameKepler-684 b NaN  
## pl\_nameKepler-685 b NaN  
## pl\_nameKepler-687 b NaN  
## pl\_nameKepler-688 b NaN  
## pl\_nameKepler-689 b NaN  
## pl\_nameKepler-69 b NaN  
## pl\_nameKepler-69 c NaN  
## pl\_nameKepler-690 b NaN  
## pl\_nameKepler-691 b NaN  
## pl\_nameKepler-692 b NaN  
## pl\_nameKepler-693 b NaN  
## pl\_nameKepler-694 b NaN  
## pl\_nameKepler-695 b NaN  
## pl\_nameKepler-696 b NaN  
## pl\_nameKepler-697 b NaN  
## pl\_nameKepler-698 b NaN  
## pl\_nameKepler-7 b NaN  
## pl\_nameKepler-700 b NaN  
## pl\_nameKepler-701 b NaN  
## pl\_nameKepler-702 b NaN  
## pl\_nameKepler-703 b NaN  
## pl\_nameKepler-704 b NaN  
## pl\_nameKepler-705 b NaN  
## pl\_nameKepler-707 b NaN  
## pl\_nameKepler-708 b NaN  
## pl\_nameKepler-709 b NaN  
## pl\_nameKepler-710 b NaN  
## pl\_nameKepler-711 b NaN  
## pl\_nameKepler-712 b NaN  
## pl\_nameKepler-712 c NaN  
## pl\_nameKepler-713 b NaN  
## pl\_nameKepler-714 b NaN  
## pl\_nameKepler-715 b NaN  
## pl\_nameKepler-716 b NaN  
## pl\_nameKepler-716 c NaN  
## pl\_nameKepler-717 b NaN  
## pl\_nameKepler-718 b NaN  
## pl\_nameKepler-719 b NaN  
## pl\_nameKepler-720 b NaN  
## pl\_nameKepler-721 b NaN  
## pl\_nameKepler-722 b NaN  
## pl\_nameKepler-722 c NaN  
## pl\_nameKepler-724 b NaN  
## pl\_nameKepler-725 b NaN  
## pl\_nameKepler-726 b NaN  
## pl\_nameKepler-727 b NaN  
## pl\_nameKepler-728 b NaN  
## pl\_nameKepler-729 b NaN  
## pl\_nameKepler-730 c NaN  
## pl\_nameKepler-732 b NaN  
## pl\_nameKepler-732 c NaN  
## pl\_nameKepler-733 b NaN  
## pl\_nameKepler-734 b NaN  
## pl\_nameKepler-735 b NaN  
## pl\_nameKepler-736 b NaN  
## pl\_nameKepler-737 b NaN  
## pl\_nameKepler-738 b NaN  
## pl\_nameKepler-739 b NaN  
## pl\_nameKepler-74 b NaN  
## pl\_nameKepler-740 b NaN  
## pl\_nameKepler-741 b NaN  
## pl\_nameKepler-742 b NaN  
## pl\_nameKepler-743 b NaN  
## pl\_nameKepler-744 b NaN  
## pl\_nameKepler-745 b NaN  
## pl\_nameKepler-746 b NaN  
## pl\_nameKepler-747 b NaN  
## pl\_nameKepler-748 b NaN  
## pl\_nameKepler-749 b NaN  
## pl\_nameKepler-75 b NaN  
## pl\_nameKepler-750 b NaN  
## pl\_nameKepler-750 c NaN  
## pl\_nameKepler-751 b NaN  
## pl\_nameKepler-752 b NaN  
## pl\_nameKepler-753 b NaN  
## pl\_nameKepler-754 b NaN  
## pl\_nameKepler-755 b NaN  
## pl\_nameKepler-755 c NaN  
## pl\_nameKepler-756 b NaN  
## pl\_nameKepler-757 b NaN  
## pl\_nameKepler-758 b NaN  
## pl\_nameKepler-758 c NaN  
## pl\_nameKepler-758 d NaN  
## pl\_nameKepler-758 e NaN  
## pl\_nameKepler-759 b NaN  
## pl\_nameKepler-76 b NaN  
## pl\_nameKepler-760 b NaN  
## pl\_nameKepler-760 c NaN  
## pl\_nameKepler-761 b NaN  
## pl\_nameKepler-763 b NaN  
## pl\_nameKepler-763 c NaN  
## pl\_nameKepler-763 d NaN  
## pl\_nameKepler-764 b NaN  
## pl\_nameKepler-765 b NaN  
## pl\_nameKepler-766 b NaN  
## pl\_nameKepler-767 b NaN  
## pl\_nameKepler-768 b NaN  
## pl\_nameKepler-769 b NaN  
## pl\_nameKepler-769 c NaN  
## pl\_nameKepler-77 b NaN  
## pl\_nameKepler-770 b NaN  
## pl\_nameKepler-770 c NaN  
## pl\_nameKepler-770 d NaN  
## pl\_nameKepler-771 b NaN  
## pl\_nameKepler-772 b NaN  
## pl\_nameKepler-773 b NaN  
## pl\_nameKepler-774 b NaN  
## pl\_nameKepler-775 b NaN  
## pl\_nameKepler-776 b NaN  
## pl\_nameKepler-777 b NaN  
## pl\_nameKepler-778 b NaN  
## pl\_nameKepler-779 b NaN  
## pl\_nameKepler-78 b NaN  
## pl\_nameKepler-780 b NaN  
## pl\_nameKepler-781 b NaN  
## pl\_nameKepler-782 b NaN  
## pl\_nameKepler-783 b NaN  
## pl\_nameKepler-783 c NaN  
## pl\_nameKepler-784 b NaN  
## pl\_nameKepler-784 c NaN  
## pl\_nameKepler-786 b NaN  
## pl\_nameKepler-787 b NaN  
## pl\_nameKepler-788 b NaN  
## pl\_nameKepler-789 b NaN  
## pl\_nameKepler-79 b NaN  
## pl\_nameKepler-79 c NaN  
## pl\_nameKepler-79 d NaN  
## pl\_nameKepler-79 e NaN  
## pl\_nameKepler-790 b NaN  
## pl\_nameKepler-791 b NaN  
## pl\_nameKepler-792 b NaN  
## pl\_nameKepler-793 b NaN  
## pl\_nameKepler-794 b NaN  
## pl\_nameKepler-795 b NaN  
## pl\_nameKepler-796 b NaN  
## pl\_nameKepler-797 b NaN  
## pl\_nameKepler-798 b NaN  
## pl\_nameKepler-8 b NaN  
## pl\_nameKepler-80 b NaN  
## pl\_nameKepler-80 c NaN  
## pl\_nameKepler-80 d NaN  
## pl\_nameKepler-80 e NaN  
## pl\_nameKepler-80 f NaN  
## pl\_nameKepler-800 b NaN  
## pl\_nameKepler-801 b NaN  
## pl\_nameKepler-802 b NaN  
## pl\_nameKepler-803 b NaN  
## pl\_nameKepler-804 b NaN  
## pl\_nameKepler-804 c NaN  
## pl\_nameKepler-805 b NaN  
## pl\_nameKepler-806 b NaN  
## pl\_nameKepler-807 b NaN  
## pl\_nameKepler-808 b NaN  
## pl\_nameKepler-809 b NaN  
## pl\_nameKepler-81 b NaN  
## pl\_nameKepler-81 c NaN  
## pl\_nameKepler-81 d NaN  
## pl\_nameKepler-810 b NaN  
## pl\_nameKepler-811 b NaN  
## pl\_nameKepler-812 b NaN  
## pl\_nameKepler-813 b NaN  
## pl\_nameKepler-814 b NaN  
## pl\_nameKepler-815 b NaN  
## pl\_nameKepler-816 b NaN  
## pl\_nameKepler-817 b NaN  
## pl\_nameKepler-818 b NaN  
## pl\_nameKepler-819 b NaN  
## pl\_nameKepler-82 b NaN  
## pl\_nameKepler-82 c NaN  
## pl\_nameKepler-82 d NaN  
## pl\_nameKepler-82 e NaN  
## pl\_nameKepler-82 f NaN  
## pl\_nameKepler-820 b NaN  
## pl\_nameKepler-821 b NaN  
## pl\_nameKepler-822 b NaN  
## pl\_nameKepler-823 b NaN  
## pl\_nameKepler-824 b NaN  
## pl\_nameKepler-825 b NaN  
## pl\_nameKepler-825 c NaN  
## pl\_nameKepler-826 b NaN  
## pl\_nameKepler-827 b NaN  
## pl\_nameKepler-828 b NaN  
## pl\_nameKepler-829 b NaN  
## pl\_nameKepler-83 b NaN  
## pl\_nameKepler-83 c NaN  
## pl\_nameKepler-83 d NaN  
## pl\_nameKepler-830 b NaN  
## pl\_nameKepler-831 b NaN  
## pl\_nameKepler-832 b NaN  
## pl\_nameKepler-833 b NaN  
## pl\_nameKepler-834 b NaN  
## pl\_nameKepler-835 b NaN  
## pl\_nameKepler-836 b NaN  
## pl\_nameKepler-837 b NaN  
## pl\_nameKepler-838 b NaN  
## pl\_nameKepler-839 b NaN  
## pl\_nameKepler-84 b NaN  
## pl\_nameKepler-84 c NaN  
## pl\_nameKepler-84 d NaN  
## pl\_nameKepler-84 e NaN  
## pl\_nameKepler-84 f NaN  
## pl\_nameKepler-841 b NaN  
## pl\_nameKepler-842 b NaN  
## pl\_nameKepler-843 b NaN  
## pl\_nameKepler-844 b NaN  
## pl\_nameKepler-845 b NaN  
## pl\_nameKepler-846 b NaN  
## pl\_nameKepler-847 b NaN  
## pl\_nameKepler-848 b NaN  
## pl\_nameKepler-849 b NaN  
## pl\_nameKepler-85 b NaN  
## pl\_nameKepler-85 c NaN  
## pl\_nameKepler-85 d NaN  
## pl\_nameKepler-85 e NaN  
## pl\_nameKepler-850 b NaN  
## pl\_nameKepler-851 b NaN  
## pl\_nameKepler-852 b NaN  
## pl\_nameKepler-853 b NaN  
## pl\_nameKepler-855 b NaN  
## pl\_nameKepler-856 b NaN  
## pl\_nameKepler-857 b NaN  
## pl\_nameKepler-858 b NaN  
## pl\_nameKepler-859 b NaN  
## pl\_nameKepler-860 b NaN  
## pl\_nameKepler-861 b NaN  
## pl\_nameKepler-862 b NaN  
## pl\_nameKepler-863 b NaN  
## pl\_nameKepler-864 b NaN  
## pl\_nameKepler-864 c NaN  
## pl\_nameKepler-865 b NaN  
## pl\_nameKepler-865 c NaN  
## pl\_nameKepler-866 b NaN  
## pl\_nameKepler-867 b NaN  
## pl\_nameKepler-868 b NaN  
## pl\_nameKepler-869 b NaN  
## pl\_nameKepler-87 b NaN  
## pl\_nameKepler-87 c NaN  
## pl\_nameKepler-870 b NaN  
## pl\_nameKepler-871 b NaN  
## pl\_nameKepler-872 b NaN  
## pl\_nameKepler-873 b NaN  
## pl\_nameKepler-874 b NaN  
## pl\_nameKepler-875 b NaN  
## pl\_nameKepler-876 b NaN  
## pl\_nameKepler-877 b NaN  
## pl\_nameKepler-878 b NaN  
## pl\_nameKepler-879 b NaN  
## pl\_nameKepler-880 b NaN  
## pl\_nameKepler-880 c NaN  
## pl\_nameKepler-881 b NaN  
## pl\_nameKepler-882 b NaN  
## pl\_nameKepler-883 b NaN  
## pl\_nameKepler-884 b NaN  
## pl\_nameKepler-885 b NaN  
## pl\_nameKepler-886 b NaN  
## pl\_nameKepler-887 b NaN  
## pl\_nameKepler-887 c NaN  
## pl\_nameKepler-888 b NaN  
## pl\_nameKepler-889 b NaN  
## pl\_nameKepler-890 b NaN  
## pl\_nameKepler-891 b NaN  
## pl\_nameKepler-892 b NaN  
## pl\_nameKepler-893 b NaN  
## pl\_nameKepler-894 b NaN  
## pl\_nameKepler-895 b NaN  
## pl\_nameKepler-896 b NaN  
## pl\_nameKepler-896 c NaN  
## pl\_nameKepler-897 b NaN  
## pl\_nameKepler-898 b NaN  
## pl\_nameKepler-899 b NaN  
## pl\_nameKepler-9 b NaN  
## pl\_nameKepler-9 c NaN  
## pl\_nameKepler-9 d NaN  
## pl\_nameKepler-900 b NaN  
## pl\_nameKepler-901 b NaN  
## pl\_nameKepler-902 b NaN  
## pl\_nameKepler-903 b NaN  
## pl\_nameKepler-903 c NaN  
## pl\_nameKepler-904 b NaN  
## pl\_nameKepler-905 b NaN  
## pl\_nameKepler-906 b NaN  
## pl\_nameKepler-907 b NaN  
## pl\_nameKepler-908 b NaN  
## pl\_nameKepler-909 b NaN  
## pl\_nameKepler-91 b NaN  
## pl\_nameKepler-910 b NaN  
## pl\_nameKepler-911 b NaN  
## pl\_nameKepler-912 b NaN  
## pl\_nameKepler-913 b NaN  
## pl\_nameKepler-913 c NaN  
## pl\_nameKepler-914 b NaN  
## pl\_nameKepler-915 b NaN  
## pl\_nameKepler-916 b NaN  
## pl\_nameKepler-917 b NaN  
## pl\_nameKepler-918 b NaN  
## pl\_nameKepler-919 b NaN  
## pl\_nameKepler-92 b NaN  
## pl\_nameKepler-92 c NaN  
## pl\_nameKepler-92 d NaN  
## pl\_nameKepler-920 b NaN  
## pl\_nameKepler-920 c NaN  
## pl\_nameKepler-921 b NaN  
## pl\_nameKepler-922 b NaN  
## pl\_nameKepler-923 b NaN  
## pl\_nameKepler-924 b NaN  
## pl\_nameKepler-925 b NaN  
## pl\_nameKepler-926 b NaN  
## pl\_nameKepler-927 b NaN  
## pl\_nameKepler-928 b NaN  
## pl\_nameKepler-929 b NaN  
## pl\_nameKepler-93 b NaN  
## pl\_nameKepler-930 b NaN  
## pl\_nameKepler-931 b NaN  
## pl\_nameKepler-932 b NaN  
## pl\_nameKepler-933 b NaN  
## pl\_nameKepler-934 b NaN  
## pl\_nameKepler-935 b NaN  
## pl\_nameKepler-936 b NaN  
## pl\_nameKepler-937 b NaN  
## pl\_nameKepler-937 c NaN  
## pl\_nameKepler-939 b NaN  
## pl\_nameKepler-94 b NaN  
## pl\_nameKepler-940 b NaN  
## pl\_nameKepler-941 b NaN  
## pl\_nameKepler-942 b NaN  
## pl\_nameKepler-943 b NaN  
## pl\_nameKepler-944 b NaN  
## pl\_nameKepler-945 b NaN  
## pl\_nameKepler-946 b NaN  
## pl\_nameKepler-947 b NaN  
## pl\_nameKepler-948 b NaN  
## pl\_nameKepler-949 b NaN  
## pl\_nameKepler-949 c NaN  
## pl\_nameKepler-95 b NaN  
## pl\_nameKepler-950 b NaN  
## pl\_nameKepler-951 b NaN  
## pl\_nameKepler-952 b NaN  
## pl\_nameKepler-953 b NaN  
## pl\_nameKepler-953 c NaN  
## pl\_nameKepler-954 b NaN  
## pl\_nameKepler-955 b NaN  
## pl\_nameKepler-956 b NaN  
## pl\_nameKepler-957 b NaN  
## pl\_nameKepler-958 b NaN  
## pl\_nameKepler-959 b NaN  
## pl\_nameKepler-96 b NaN  
## pl\_nameKepler-960 b NaN  
## pl\_nameKepler-961 b NaN  
## pl\_nameKepler-962 b NaN  
## pl\_nameKepler-963 b NaN  
## pl\_nameKepler-964 b NaN  
## pl\_nameKepler-965 b NaN  
## pl\_nameKepler-966 b NaN  
## pl\_nameKepler-967 b NaN  
## pl\_nameKepler-967 c NaN  
## pl\_nameKepler-968 b NaN  
## pl\_nameKepler-968 c NaN  
## pl\_nameKepler-969 b NaN  
## pl\_nameKepler-969 c NaN  
## pl\_nameKepler-97 b NaN  
## pl\_nameKepler-970 b NaN  
## pl\_nameKepler-971 b NaN  
## pl\_nameKepler-972 b NaN  
## pl\_nameKepler-973 b NaN  
## pl\_nameKepler-974 b NaN  
## pl\_nameKepler-975 b NaN  
## pl\_nameKepler-975 c NaN  
## pl\_nameKepler-976 b NaN  
## pl\_nameKepler-977 b NaN  
## pl\_nameKepler-978 b NaN  
## pl\_nameKepler-979 b NaN  
## pl\_nameKepler-98 b NaN  
## pl\_nameKepler-980 b NaN  
## pl\_nameKepler-981 b NaN  
## pl\_nameKepler-982 b NaN  
## pl\_nameKepler-983 b NaN  
## pl\_nameKepler-984 b NaN  
## pl\_nameKepler-985 b NaN  
## pl\_nameKepler-986 b NaN  
## pl\_nameKepler-987 b NaN  
## pl\_nameKepler-988 b NaN  
## pl\_nameKepler-989 b NaN  
## pl\_nameKepler-99 b NaN  
## pl\_nameKepler-990 b NaN  
## pl\_nameKepler-990 c NaN  
## pl\_nameKepler-991 b NaN  
## pl\_nameKepler-992 b NaN  
## pl\_nameKepler-993 b NaN  
## pl\_nameKepler-994 b NaN  
## pl\_nameKepler-995 b NaN  
## pl\_nameKepler-996 b NaN  
## pl\_nameKepler-997 b NaN  
## pl\_nameKepler-998 b NaN  
## pl\_nameKepler-999 b NaN  
## pl\_nameKIC 3526061 b NaN  
## pl\_nameKIC 5095269 b NaN  
## pl\_nameKIC 5437945 b NaN  
## pl\_nameKIC 9663113 b NaN  
## pl\_nameKOI-12 b NaN  
## pl\_nameKOI-1257 b NaN  
## pl\_nameKOI-13 b NaN  
## pl\_nameKOI-142 b NaN  
## pl\_nameKOI-142 c NaN  
## pl\_nameKOI-1599.01 NaN  
## pl\_nameKOI-1599.02 NaN  
## pl\_nameKOI-1783.01 NaN  
## pl\_nameKOI-1783.02 NaN  
## pl\_nameKOI-1831 d NaN  
## pl\_nameKOI-1833 d NaN  
## pl\_nameKOI-3503 b NaN  
## pl\_nameKOI-3503 c NaN  
## pl\_nameKOI-351 b NaN  
## pl\_nameKOI-351 c NaN  
## pl\_nameKOI-351 d NaN  
## pl\_nameKOI-351 e NaN  
## pl\_nameKOI-351 f NaN  
## pl\_nameKOI-3680 b NaN  
## pl\_nameKOI-7368 b NaN  
## pl\_nameKOI-7913 b NaN  
## pl\_nameKOI-94 b NaN  
## pl\_nameKOI-94 c NaN  
## pl\_nameKOI-94 d NaN  
## pl\_nameKOI-94 e NaN  
## pl\_nameKPS-1 b NaN  
## pl\_nameL 168-9 b NaN  
## pl\_nameL 98-59 b NaN  
## pl\_nameL 98-59 c NaN  
## pl\_nameL 98-59 d NaN  
## pl\_nameL 98-59 e NaN  
## pl\_nameLHS 1140 b NaN  
## pl\_nameLHS 1140 c NaN  
## pl\_nameLHS 1678 b NaN  
## pl\_nameLHS 1678 c NaN  
## pl\_nameLHS 1815 b NaN  
## pl\_nameLP 714-47 b NaN  
## pl\_nameLP 791-18 b NaN  
## pl\_nameLP 791-18 c NaN  
## pl\_nameLP 791-18 d NaN  
## pl\_nameLSPM J2116+0234 b NaN  
## pl\_nameLTT 1445 A b NaN  
## pl\_nameLTT 1445 A c NaN  
## pl\_nameLTT 3780 b NaN  
## pl\_nameLTT 3780 c NaN  
## pl\_nameLTT 9779 b NaN  
## pl\_nameLupus-TR-3 b NaN  
## pl\_nameMASCARA-1 b NaN  
## pl\_nameMASCARA-4 b NaN  
## pl\_namemu Leo b NaN  
## pl\_nameNGC 2682 Sand 364 b NaN  
## pl\_nameNGTS-1 b NaN  
## pl\_nameNGTS-10 b NaN  
## pl\_nameNGTS-11 b NaN  
## pl\_nameNGTS-12 b NaN  
## pl\_nameNGTS-13 b NaN  
## pl\_nameNGTS-14 A b NaN  
## pl\_nameNGTS-15 b NaN  
## pl\_nameNGTS-16 b NaN  
## pl\_nameNGTS-17 b NaN  
## pl\_nameNGTS-18 b NaN  
## pl\_nameNGTS-2 b NaN  
## pl\_nameNGTS-20 b NaN  
## pl\_nameNGTS-21 b NaN  
## pl\_nameNGTS-23 b NaN  
## pl\_nameNGTS-24 b NaN  
## pl\_nameNGTS-25 b NaN  
## pl\_nameNGTS-4 b NaN  
## pl\_nameNGTS-5 b NaN  
## pl\_nameNGTS-6 b NaN  
## pl\_nameNGTS-8 b NaN  
## pl\_nameNGTS-9 b NaN  
## pl\_nameNSVS 14256825 b NaN  
## pl\_namenu Oct A b NaN  
## pl\_namenu Oph b NaN  
## pl\_namenu Oph c NaN  
## pl\_nameNY Vir b NaN  
## pl\_nameOGLE-TR-10 b NaN  
## pl\_nameOGLE-TR-111 b NaN  
## pl\_nameOGLE-TR-132 b NaN  
## pl\_nameOGLE-TR-182 b NaN  
## pl\_nameOGLE-TR-211 b NaN  
## pl\_nameome Ser b NaN  
## pl\_nameomi CrB b NaN  
## pl\_namePDS 70 b NaN  
## pl\_namepi Men c NaN  
## pl\_namePr0201 b NaN  
## pl\_namePr0211 b NaN  
## pl\_namePr0211 c NaN  
## pl\_nameProxima Cen b NaN  
## pl\_namepsi1 Dra B b NaN  
## pl\_namePZ Tel b NaN  
## pl\_nameQatar-1 b NaN  
## pl\_nameQatar-10 b NaN  
## pl\_nameQatar-2 b NaN  
## pl\_nameQatar-3 b NaN  
## pl\_nameQatar-4 b NaN  
## pl\_nameQatar-5 b NaN  
## pl\_nameQatar-6 b NaN  
## pl\_nameQatar-7 b NaN  
## pl\_nameQatar-8 b NaN  
## pl\_nameQatar-9 b NaN  
## pl\_namerho CrB b NaN  
## pl\_namerho CrB c NaN  
## pl\_namerho CrB d NaN  
## pl\_namerho CrB e NaN  
## pl\_nameRoss 128 b NaN  
## pl\_nameRoss 508 b NaN  
## pl\_nameRR Cae b NaN  
## pl\_nametau Boo b NaN  
## pl\_nametau Cet e NaN  
## pl\_nametau Cet f NaN  
## pl\_nametau Cet g NaN  
## pl\_nametau Cet h NaN  
## pl\_nametau Gem b NaN  
## pl\_nameTeegarden's Star b NaN  
## pl\_nameTeegarden's Star c NaN  
## pl\_nameTIC 172900988 b NaN  
## pl\_nameTIC 237913194 b NaN  
## pl\_nameTIC 257060897 b NaN  
## pl\_nameTIC 279401253 b NaN  
## pl\_nameTIC 279401253 c NaN  
## pl\_nameTOI-1052 b NaN  
## pl\_nameTOI-1052 c NaN  
## pl\_nameTOI-1062 b NaN  
## pl\_nameTOI-1062 c NaN  
## pl\_nameTOI-1064 b NaN  
## pl\_nameTOI-1064 c NaN  
## pl\_nameTOI-1075 b NaN  
## pl\_nameTOI-1107 b NaN  
## pl\_nameTOI-1130 b NaN  
## pl\_nameTOI-1130 c NaN  
## pl\_nameTOI-1201 b NaN  
## pl\_nameTOI-122 b NaN  
## pl\_nameTOI-1231 b NaN  
## pl\_nameTOI-1235 b NaN  
## pl\_nameTOI-125 b NaN  
## pl\_nameTOI-125 c NaN  
## pl\_nameTOI-125 d NaN  
## pl\_nameTOI-1259 A b NaN  
## pl\_nameTOI-1260 b NaN  
## pl\_nameTOI-1260 c NaN  
## pl\_nameTOI-1260 d NaN  
## pl\_nameTOI-1266 b NaN  
## pl\_nameTOI-1266 c NaN  
## pl\_nameTOI-1268 b NaN  
## pl\_nameTOI-1272 b NaN  
## pl\_nameTOI-1272 c NaN  
## pl\_nameTOI-1278 b NaN  
## pl\_nameTOI-1288 b NaN  
## pl\_nameTOI-1296 b NaN  
## pl\_nameTOI-1298 b NaN  
## pl\_nameTOI-132 b NaN  
## pl\_nameTOI-1333 b NaN  
## pl\_nameTOI-1338 b NaN  
## pl\_nameTOI-1338 c NaN  
## pl\_nameTOI-1416 b NaN  
## pl\_nameTOI-1422 b NaN  
## pl\_nameTOI-1431 b NaN  
## pl\_nameTOI-1452 b NaN  
## pl\_nameTOI-1470 b NaN  
## pl\_nameTOI-1470 c NaN  
## pl\_nameTOI-1478 b NaN  
## pl\_nameTOI-150.01 NaN  
## pl\_nameTOI-157 b NaN  
## pl\_nameTOI-1601 b NaN  
## pl\_nameTOI-163 b NaN  
## pl\_nameTOI-1634 b NaN  
## pl\_nameTOI-1670 b NaN  
## pl\_nameTOI-1670 c NaN  
## pl\_nameTOI-1685 b NaN  
## pl\_nameTOI-169 b NaN  
## pl\_nameTOI-1695 b NaN  
## pl\_nameTOI-1696 b NaN  
## pl\_nameTOI-1710 b NaN  
## pl\_nameTOI-172 b NaN  
## pl\_nameTOI-1728 b NaN  
## pl\_nameTOI-1759 b NaN  
## pl\_nameTOI-1807 b NaN  
## pl\_nameTOI-181 b NaN  
## pl\_nameTOI-1811 b NaN  
## pl\_nameTOI-1820 b NaN  
## pl\_nameTOI-1859 b NaN  
## pl\_nameTOI-1899 b NaN  
## pl\_nameTOI-1937 A b NaN  
## pl\_nameTOI-2000 b NaN  
## pl\_nameTOI-2000 c NaN  
## pl\_nameTOI-201 b NaN  
## pl\_nameTOI-2025 b NaN  
## pl\_nameTOI-2096 b NaN  
## pl\_nameTOI-2096 c NaN  
## pl\_nameTOI-2136 b NaN  
## pl\_nameTOI-2145 b NaN  
## pl\_nameTOI-2152 A b NaN  
## pl\_nameTOI-2154 b NaN  
## pl\_nameTOI-2158 b NaN  
## pl\_nameTOI-216.01 NaN  
## pl\_nameTOI-216.02 NaN  
## pl\_nameTOI-2180 b NaN  
## pl\_nameTOI-2193 A b NaN  
## pl\_nameTOI-2196 b NaN  
## pl\_nameTOI-220 b NaN  
## pl\_nameTOI-2202 b NaN  
## pl\_nameTOI-2202 c NaN  
## pl\_nameTOI-2207 b NaN  
## pl\_nameTOI-2236 b NaN  
## pl\_nameTOI-2257 b NaN  
## pl\_nameTOI-2338 b NaN  
## pl\_nameTOI-2364 b NaN  
## pl\_nameTOI-237 b NaN  
## pl\_nameTOI-2421 b NaN  
## pl\_nameTOI-2497 b NaN  
## pl\_nameTOI-2498 b NaN  
## pl\_nameTOI-2525 b NaN  
## pl\_nameTOI-2525 c NaN  
## pl\_nameTOI-2567 b NaN  
## pl\_nameTOI-257 b NaN  
## pl\_nameTOI-2570 b NaN  
## pl\_nameTOI-2583 A b NaN  
## pl\_nameTOI-2587 A b NaN  
## pl\_nameTOI-2589 b NaN  
## pl\_nameTOI-2641 b NaN  
## pl\_nameTOI-269 b NaN  
## pl\_nameTOI-270 b NaN  
## pl\_nameTOI-270 c NaN  
## pl\_nameTOI-270 d NaN  
## pl\_nameTOI-2796 b NaN  
## pl\_nameTOI-2803 A b NaN  
## pl\_nameTOI-2818 b NaN  
## pl\_nameTOI-2842 b NaN  
## pl\_nameTOI-3023 b NaN  
## pl\_nameTOI-3235 b NaN  
## pl\_nameTOI-332 b NaN  
## pl\_nameTOI-3331 A b NaN  
## pl\_nameTOI-3362 b NaN  
## pl\_nameTOI-3364 b NaN  
## pl\_nameTOI-3629 b NaN  
## pl\_nameTOI-3688 A b NaN  
## pl\_nameTOI-3693 b NaN  
## pl\_nameTOI-3714 b NaN  
## pl\_nameTOI-3757 b NaN  
## pl\_nameTOI-3785 b NaN  
## pl\_nameTOI-3807 b NaN  
## pl\_nameTOI-3819 b NaN  
## pl\_nameTOI-3884 b NaN  
## pl\_nameTOI-3912 b NaN  
## pl\_nameTOI-3976 A b NaN  
## pl\_nameTOI-3984 A b NaN  
## pl\_nameTOI-4010 b NaN  
## pl\_nameTOI-4010 c NaN  
## pl\_nameTOI-4010 d NaN  
## pl\_nameTOI-4010 e NaN  
## pl\_nameTOI-4087 b NaN  
## pl\_nameTOI-411 b NaN  
## pl\_nameTOI-411 c NaN  
## pl\_nameTOI-4127 b NaN  
## pl\_nameTOI-4137 b NaN  
## pl\_nameTOI-4145 A b NaN  
## pl\_nameTOI-421 b NaN  
## pl\_nameTOI-421 c NaN  
## pl\_nameTOI-431 b NaN  
## pl\_nameTOI-431 c NaN  
## pl\_nameTOI-431 d NaN  
## pl\_nameTOI-4406 b NaN  
## pl\_nameTOI-4463 A b NaN  
## pl\_nameTOI-451 b NaN  
## pl\_nameTOI-451 c NaN  
## pl\_nameTOI-451 d NaN  
## pl\_nameTOI-4562 b NaN  
## pl\_nameTOI-4603 b NaN  
## pl\_nameTOI-4791 b NaN  
## pl\_nameTOI-481 b NaN  
## pl\_nameTOI-4860 b NaN  
## pl\_nameTOI-500 b NaN  
## pl\_nameTOI-5153 b NaN  
## pl\_nameTOI-519 b NaN  
## pl\_nameTOI-5205 b NaN  
## pl\_nameTOI-5293 A b NaN  
## pl\_nameTOI-530 b NaN  
## pl\_nameTOI-532 b NaN  
## pl\_nameTOI-540 b NaN  
## pl\_nameTOI-5542 b NaN  
## pl\_nameTOI-558 b NaN  
## pl\_nameTOI-559 b NaN  
## pl\_nameTOI-561 b NaN  
## pl\_nameTOI-561 c NaN  
## pl\_nameTOI-561 d NaN  
## pl\_nameTOI-561 e NaN  
## pl\_nameTOI-564 b NaN  
## pl\_nameTOI-5678 b NaN  
## pl\_nameTOI-615 b NaN  
## pl\_nameTOI-620 b NaN  
## pl\_nameTOI-622 b NaN  
## pl\_nameTOI-628 b NaN  
## pl\_nameTOI-640 b NaN  
## pl\_nameTOI-674 b NaN  
## pl\_nameTOI-677 b NaN  
## pl\_nameTOI-700 b NaN  
## pl\_nameTOI-700 c NaN  
## pl\_nameTOI-700 d NaN  
## pl\_nameTOI-700 e NaN  
## pl\_nameTOI-712 b NaN  
## pl\_nameTOI-712 c NaN  
## pl\_nameTOI-712 d NaN  
## pl\_nameTOI-733 b NaN  
## pl\_nameTOI-763 b NaN  
## pl\_nameTOI-763 c NaN  
## pl\_nameTOI-776 b NaN  
## pl\_nameTOI-776 c NaN  
## pl\_nameTOI-778 b NaN  
## pl\_nameTOI-784 b NaN  
## pl\_nameTOI-813 b NaN  
## pl\_nameTOI-836 b NaN  
## pl\_nameTOI-836 c NaN  
## pl\_nameTOI-849 b NaN  
## pl\_nameTOI-892 b NaN  
## pl\_nameTOI-905 b NaN  
## pl\_nameTOI-908 b NaN  
## pl\_nameTOI-954 b NaN  
## pl\_nameTOI-969 c NaN  
## pl\_nameTRAPPIST-1 b NaN  
## pl\_nameTRAPPIST-1 c NaN  
## pl\_nameTRAPPIST-1 d NaN  
## pl\_nameTRAPPIST-1 e NaN  
## pl\_nameTRAPPIST-1 f NaN  
## pl\_nameTRAPPIST-1 g NaN  
## pl\_nameTRAPPIST-1 h NaN  
## pl\_nameTrES-1 b NaN  
## pl\_nameTrES-2 b NaN  
## pl\_nameTrES-3 b NaN  
## pl\_nameTrES-4 b NaN  
## pl\_nameTrES-5 b NaN  
## pl\_nameTYC 0434-04538-1 b NaN  
## pl\_nameTYC 1422-614-1 b NaN  
## pl\_nameTYC 1422-614-1 c NaN  
## pl\_nameTYC 2187-512-1 b NaN  
## pl\_nameTYC 3318-01333-1 b NaN  
## pl\_nameTYC 3667-1280-1 b NaN  
## pl\_nameTYC 4282-00605-1 b NaN  
## pl\_nameups And b NaN  
## pl\_nameups And c NaN  
## pl\_nameups And d NaN  
## pl\_nameups Leo b NaN  
## pl\_nameV0391 Peg b NaN  
## pl\_nameV1298 Tau b NaN  
## pl\_nameV1298 Tau c NaN  
## pl\_nameV1298 Tau d NaN  
## pl\_nameV1298 Tau e NaN  
## pl\_nameWASP-1 b NaN  
## pl\_nameWASP-10 b NaN  
## pl\_nameWASP-100 b NaN  
## pl\_nameWASP-101 b NaN  
## pl\_nameWASP-103 b NaN  
## pl\_nameWASP-104 b NaN  
## pl\_nameWASP-105 b NaN  
## pl\_nameWASP-106 b NaN  
## pl\_nameWASP-107 b NaN  
## pl\_nameWASP-11 b NaN  
## pl\_nameWASP-113 b NaN  
## pl\_nameWASP-114 b NaN  
## pl\_nameWASP-117 b NaN  
## pl\_nameWASP-118 b NaN  
## pl\_nameWASP-119 b NaN  
## pl\_nameWASP-12 b NaN  
## pl\_nameWASP-120 b NaN  
## pl\_nameWASP-121 b NaN  
## pl\_nameWASP-123 b NaN  
## pl\_nameWASP-124 b NaN  
## pl\_nameWASP-126 b NaN  
## pl\_nameWASP-127 b NaN  
## pl\_nameWASP-129 b NaN  
## pl\_nameWASP-13 b NaN  
## pl\_nameWASP-130 b NaN  
## pl\_nameWASP-131 b NaN  
## pl\_nameWASP-132 b NaN  
## pl\_nameWASP-133 b NaN  
## pl\_nameWASP-135 b NaN  
## pl\_nameWASP-139 b NaN  
## pl\_nameWASP-14 b NaN  
## pl\_nameWASP-140 b NaN  
## pl\_nameWASP-141 b NaN  
## pl\_nameWASP-142 b NaN  
## pl\_nameWASP-144 b NaN  
## pl\_nameWASP-145 A b NaN  
## pl\_nameWASP-147 b NaN  
## pl\_nameWASP-148 b NaN  
## pl\_nameWASP-148 c NaN  
## pl\_nameWASP-15 b NaN  
## pl\_nameWASP-150 b NaN  
## pl\_nameWASP-151 b NaN  
## pl\_nameWASP-153 b NaN  
## pl\_nameWASP-156 b NaN  
## pl\_nameWASP-157 b NaN  
## pl\_nameWASP-158 b NaN  
## pl\_nameWASP-159 b NaN  
## pl\_nameWASP-16 b NaN  
## pl\_nameWASP-160 B b NaN  
## pl\_nameWASP-162 b NaN  
## pl\_nameWASP-164 b NaN  
## pl\_nameWASP-165 b NaN  
## pl\_nameWASP-166 b NaN  
## pl\_nameWASP-168 b NaN  
## pl\_nameWASP-169 b NaN  
## pl\_nameWASP-17 b NaN  
## pl\_nameWASP-171 b NaN  
## pl\_nameWASP-172 b NaN  
## pl\_nameWASP-173 A b NaN  
## pl\_nameWASP-174 b NaN  
## pl\_nameWASP-175 b NaN  
## pl\_nameWASP-176 b NaN  
## pl\_nameWASP-178 b NaN  
## pl\_nameWASP-18 b NaN  
## pl\_nameWASP-18 c NaN  
## pl\_nameWASP-180 A b NaN  
## pl\_nameWASP-182 b NaN  
## pl\_nameWASP-184 b NaN  
## pl\_nameWASP-185 b NaN  
## pl\_nameWASP-186 b NaN  
## pl\_nameWASP-187 b NaN  
## pl\_nameWASP-189 b NaN  
## pl\_nameWASP-19 b NaN  
## pl\_nameWASP-190 b NaN  
## pl\_nameWASP-192 b NaN  
## pl\_nameWASP-193 b NaN  
## pl\_nameWASP-2 b NaN  
## pl\_nameWASP-20 b NaN  
## pl\_nameWASP-21 b NaN  
## pl\_nameWASP-22 b NaN  
## pl\_nameWASP-23 b NaN  
## pl\_nameWASP-24 b NaN  
## pl\_nameWASP-25 b NaN  
## pl\_nameWASP-26 b NaN  
## pl\_nameWASP-28 b NaN  
## pl\_nameWASP-29 b NaN  
## pl\_nameWASP-3 b NaN  
## pl\_nameWASP-31 b NaN  
## pl\_nameWASP-32 b NaN  
## pl\_nameWASP-33 b NaN  
## pl\_nameWASP-34 b NaN  
## pl\_nameWASP-35 b NaN  
## pl\_nameWASP-36 b NaN  
## pl\_nameWASP-37 b NaN  
## pl\_nameWASP-38 b NaN  
## pl\_nameWASP-39 b NaN  
## pl\_nameWASP-4 b NaN  
## pl\_nameWASP-41 b NaN  
## pl\_nameWASP-41 c NaN  
## pl\_nameWASP-42 b NaN  
## pl\_nameWASP-43 b NaN  
## pl\_nameWASP-44 b NaN  
## pl\_nameWASP-45 b NaN  
## pl\_nameWASP-46 b NaN  
## pl\_nameWASP-47 b NaN  
## pl\_nameWASP-47 c NaN  
## pl\_nameWASP-47 d NaN  
## pl\_nameWASP-47 e NaN  
## pl\_nameWASP-48 b NaN  
## pl\_nameWASP-49 b NaN  
## pl\_nameWASP-5 b NaN  
## pl\_nameWASP-50 b NaN  
## pl\_nameWASP-52 b NaN  
## pl\_nameWASP-53 b NaN  
## pl\_nameWASP-54 b NaN  
## pl\_nameWASP-55 b NaN  
## pl\_nameWASP-56 b NaN  
## pl\_nameWASP-57 b NaN  
## pl\_nameWASP-58 b NaN  
## pl\_nameWASP-59 b NaN  
## pl\_nameWASP-6 b NaN  
## pl\_nameWASP-60 b NaN  
## pl\_nameWASP-61 b NaN  
## pl\_nameWASP-62 b NaN  
## pl\_nameWASP-63 b NaN  
## pl\_nameWASP-64 b NaN  
## pl\_nameWASP-65 b NaN  
## pl\_nameWASP-66 b NaN  
## pl\_nameWASP-67 b NaN  
## pl\_nameWASP-68 b NaN  
## pl\_nameWASP-69 b NaN  
## pl\_nameWASP-7 b NaN  
## pl\_nameWASP-70 A b NaN  
## pl\_nameWASP-71 b NaN  
## pl\_nameWASP-72 b NaN  
## pl\_nameWASP-73 b NaN  
## pl\_nameWASP-74 b NaN  
## pl\_nameWASP-75 b NaN  
## pl\_nameWASP-76 b NaN  
## pl\_nameWASP-77 A b NaN  
## pl\_nameWASP-78 b NaN  
## pl\_nameWASP-79 b NaN  
## pl\_nameWASP-8 b NaN  
## pl\_nameWASP-8 c NaN  
## pl\_nameWASP-80 b NaN  
## pl\_nameWASP-81 b NaN  
## pl\_nameWASP-82 b NaN  
## pl\_nameWASP-83 b NaN  
## pl\_nameWASP-84 b NaN  
## pl\_nameWASP-85 A b NaN  
## pl\_nameWASP-87 b NaN  
## pl\_nameWASP-88 b NaN  
## pl\_nameWASP-89 b NaN  
## pl\_nameWASP-90 b NaN  
## pl\_nameWASP-91 b NaN  
## pl\_nameWASP-92 b NaN  
## pl\_nameWASP-93 b NaN  
## pl\_nameWASP-94 A b NaN  
## pl\_nameWASP-94 B b NaN  
## pl\_nameWASP-95 b NaN  
## pl\_nameWASP-96 b NaN  
## pl\_nameWASP-97 b NaN  
## pl\_nameWASP-98 b NaN  
## pl\_nameWASP-99 b NaN  
## pl\_nameWD 1856+534 b NaN  
## pl\_nameWendelstein-1 b NaN  
## pl\_nameWendelstein-2 b NaN  
## pl\_nameWolf 1061 b NaN  
## pl\_nameWolf 1061 c NaN  
## pl\_nameWolf 1061 d NaN  
## pl\_nameWolf 503 b NaN  
## pl\_nameWTS-1 b NaN  
## pl\_nameWTS-2 b NaN  
## pl\_namexi Aql b NaN  
## pl\_nameXO-1 b NaN  
## pl\_nameXO-2 N b NaN  
## pl\_nameXO-2 S b NaN  
## pl\_nameXO-2 S c NaN  
## pl\_nameXO-3 b NaN  
## pl\_nameXO-4 b NaN  
## pl\_nameXO-5 b NaN  
## pl\_nameXO-6 b NaN  
## pl\_nameXO-7 b NaN  
## pl\_nameYZ Cet b NaN  
## pl\_nameYZ Cet c NaN  
## pl\_nameYZ Cet d NaN  
## hostname11 UMi NA  
## hostname14 And NA  
## hostname14 Her NA  
## hostname16 Cyg B NA  
## hostname17 Sco NA  
## hostname18 Del NA  
## hostname24 Boo NA  
## hostname24 Sex NA  
## hostname2MASS J19383260+4603591 NA  
## hostname30 Ari B NA  
## hostname4 UMa NA  
## hostname42 Dra NA  
## hostname47 UMa NA  
## hostname51 Eri NA  
## hostname51 Peg NA  
## hostname55 Cnc NA  
## hostname6 Lyn NA  
## hostname61 Vir NA  
## hostname7 CMa NA  
## hostname70 Vir NA  
## hostname75 Cet NA  
## hostname8 UMi NA  
## hostname81 Cet NA  
## hostname91 Aqr NA  
## hostnameAF Lep NA  
## hostnameAU Mic NA  
## hostnameBD-00 4475 NA  
## hostnameBD-06 1339 NA  
## hostnameBD-08 2823 NA  
## hostnameBD-10 3166 NA  
## hostnameBD-11 4672 NA  
## hostnameBD-13 2130 NA  
## hostnameBD-17 63 NA  
## hostnameBD-210397 NA  
## hostnameBD+03 2562 NA  
## hostnameBD+14 4559 NA  
## hostnameBD+15 2375 NA  
## hostnameBD+15 2940 NA  
## hostnameBD+20 2457 NA  
## hostnameBD+20 274 NA  
## hostnameBD+20 594 NA  
## hostnameBD+45 564 NA  
## hostnameBD+48 738 NA  
## hostnameBD+48 740 NA  
## hostnameBD+49 828 NA  
## hostnameBD+55 362 NA  
## hostnameBD+63 1405 NA  
## hostnamebet Cnc NA  
## hostnamebet Pic NA  
## hostnameCoRoT-1 NA  
## hostnameCoRoT-10 NA  
## hostnameCoRoT-11 NA  
## hostnameCoRoT-12 NA  
## hostnameCoRoT-13 NA  
## hostnameCoRoT-14 NA  
## hostnameCoRoT-16 NA  
## hostnameCoRoT-17 NA  
## hostnameCoRoT-18 NA  
## hostnameCoRoT-19 NA  
## hostnameCoRoT-2 NA  
## hostnameCoRoT-20 NA  
## hostnameCoRoT-21 NA  
## hostnameCoRoT-22 NA  
## hostnameCoRoT-23 NA  
## hostnameCoRoT-24 NA  
## hostnameCoRoT-25 NA  
## hostnameCoRoT-26 NA  
## hostnameCoRoT-27 NA  
## hostnameCoRoT-28 NA  
## hostnameCoRoT-29 NA  
## hostnameCoRoT-3 NA  
## hostnameCoRoT-30 NA  
## hostnameCoRoT-31 NA  
## hostnameCoRoT-35 NA  
## hostnameCoRoT-36 NA  
## hostnameCoRoT-4 NA  
## hostnameCoRoT-5 NA  
## hostnameCoRoT-6 NA  
## hostnameCoRoT-7 NA  
## hostnameCoRoT-8 NA  
## hostnameCoRoT-9 NA  
## hostnameDE CVn NA  
## hostnameDMPP-1 NA  
## hostnameDMPP-2 NA  
## hostnameDMPP-4 NA  
## hostnameEPIC 201170410 NA  
## hostnameEPIC 211822797 NA  
## hostnameEPIC 211945201 NA  
## hostnameEPIC 212737443 NA  
## hostnameEPIC 220674823 NA  
## hostnameEPIC 229004835 NA  
## hostnameEPIC 249893012 NA  
## hostnameeps CrB NA  
## hostnameeps Eri NA  
## hostnameeps Ind A NA  
## hostnameeps Tau NA  
## hostnamegam Cep NA  
## hostnamegam Lib NA  
## hostnamegam Psc NA  
## hostnameGJ 1061 NA  
## hostnameGJ 1132 NA  
## hostnameGJ 1148 NA  
## hostnameGJ 1214 NA  
## hostnameGJ 1252 NA  
## hostnameGJ 1265 NA  
## hostnameGJ 143 NA  
## hostnameGJ 15 A NA  
## hostnameGJ 160.2 NA  
## hostnameGJ 163 NA  
## hostnameGJ 179 NA  
## hostnameGJ 180 NA  
## hostnameGJ 2030 NA  
## hostnameGJ 2056 NA  
## hostnameGJ 229 NA  
## hostnameGJ 251 NA  
## hostnameGJ 27.1 NA  
## hostnameGJ 3021 NA  
## hostnameGJ 3082 NA  
## hostnameGJ 3090 NA  
## hostnameGJ 3138 NA  
## hostnameGJ 317 NA  
## hostnameGJ 328 NA  
## hostnameGJ 3293 NA  
## hostnameGJ 3341 NA  
## hostnameGJ 338 B NA  
## hostnameGJ 3470 NA  
## hostnameGJ 3473 NA  
## hostnameGJ 3512 NA  
## hostnameGJ 3634 NA  
## hostnameGJ 367 NA  
## hostnameGJ 3779 NA  
## hostnameGJ 3929 NA  
## hostnameGJ 3942 NA  
## hostnameGJ 3998 NA  
## hostnameGJ 414 A NA  
## hostnameGJ 422 NA  
## hostnameGJ 4276 NA  
## hostnameGJ 433 NA  
## hostnameGJ 436 NA  
## hostnameGJ 463 NA  
## hostnameGJ 480 NA  
## hostnameGJ 486 NA  
## hostnameGJ 514 NA  
## hostnameGJ 536 NA  
## hostnameGJ 581 NA  
## hostnameGJ 625 NA  
## hostnameGJ 649 NA  
## hostnameGJ 667 C NA  
## hostnameGJ 674 NA  
## hostnameGJ 676 A NA  
## hostnameGJ 680 NA  
## hostnameGJ 682 NA  
## hostnameGJ 685 NA  
## hostnameGJ 687 NA  
## hostnameGJ 720 A NA  
## hostnameGJ 740 NA  
## hostnameGJ 832 NA  
## hostnameGJ 849 NA  
## hostnameGJ 86 NA  
## hostnameGJ 876 NA  
## hostnameGJ 887 NA  
## hostnameGJ 896 A NA  
## hostnameGJ 9066 NA  
## hostnameGJ 9404 NA  
## hostnameGJ 96 NA  
## hostnameGJ 9689 NA  
## hostnameGJ 9714 NA  
## hostnameGJ 9827 NA  
## hostnameGl 378 NA  
## hostnameGl 49 NA  
## hostnameGl 686 NA  
## hostnameGPX-1 NA  
## hostnameHAT-P-1 NA  
## hostnameHAT-P-11 NA  
## hostnameHAT-P-12 NA  
## hostnameHAT-P-13 NA  
## hostnameHAT-P-14 NA  
## hostnameHAT-P-15 NA  
## hostnameHAT-P-16 NA  
## hostnameHAT-P-17 NA  
## hostnameHAT-P-18 NA  
## hostnameHAT-P-19 NA  
## hostnameHAT-P-2 NA  
## hostnameHAT-P-20 NA  
## hostnameHAT-P-21 NA  
## hostnameHAT-P-22 NA  
## hostnameHAT-P-23 NA  
## hostnameHAT-P-24 NA  
## hostnameHAT-P-25 NA  
## hostnameHAT-P-26 NA  
## hostnameHAT-P-27 NA  
## hostnameHAT-P-28 NA  
## hostnameHAT-P-29 NA  
## hostnameHAT-P-3 NA  
## hostnameHAT-P-30 NA  
## hostnameHAT-P-31 NA  
## hostnameHAT-P-32 NA  
## hostnameHAT-P-33 NA  
## hostnameHAT-P-34 NA  
## hostnameHAT-P-35 NA  
## hostnameHAT-P-36 NA  
## hostnameHAT-P-37 NA  
## hostnameHAT-P-38 NA  
## hostnameHAT-P-39 NA  
## hostnameHAT-P-4 NA  
## hostnameHAT-P-40 NA  
## hostnameHAT-P-41 NA  
## hostnameHAT-P-42 NA  
## hostnameHAT-P-43 NA  
## hostnameHAT-P-44 NA  
## hostnameHAT-P-45 NA  
## hostnameHAT-P-46 NA  
## hostnameHAT-P-49 NA  
## hostnameHAT-P-5 NA  
## hostnameHAT-P-50 NA  
## hostnameHAT-P-51 NA  
## hostnameHAT-P-52 NA  
## hostnameHAT-P-53 NA  
## hostnameHAT-P-54 NA  
## hostnameHAT-P-55 NA  
## hostnameHAT-P-56 NA  
## hostnameHAT-P-57 NA  
## hostnameHAT-P-58 NA  
## hostnameHAT-P-59 NA  
## hostnameHAT-P-6 NA  
## hostnameHAT-P-60 NA  
## hostnameHAT-P-61 NA  
## hostnameHAT-P-62 NA  
## hostnameHAT-P-64 NA  
## hostnameHAT-P-65 NA  
## hostnameHAT-P-66 NA  
## hostnameHAT-P-67 NA  
## hostnameHAT-P-68 NA  
## hostnameHAT-P-69 NA  
## hostnameHAT-P-7 NA  
## hostnameHAT-P-70 NA  
## hostnameHAT-P-8 NA  
## hostnameHAT-P-9 NA  
## hostnameHATS-1 NA  
## hostnameHATS-10 NA  
## hostnameHATS-11 NA  
## hostnameHATS-12 NA  
## hostnameHATS-13 NA  
## hostnameHATS-14 NA  
## hostnameHATS-15 NA  
## hostnameHATS-16 NA  
## hostnameHATS-17 NA  
## hostnameHATS-18 NA  
## hostnameHATS-2 NA  
## hostnameHATS-22 NA  
## hostnameHATS-23 NA  
## hostnameHATS-24 NA  
## hostnameHATS-25 NA  
## hostnameHATS-26 NA  
## hostnameHATS-27 NA  
## hostnameHATS-28 NA  
## hostnameHATS-29 NA  
## hostnameHATS-3 NA  
## hostnameHATS-30 NA  
## hostnameHATS-31 NA  
## hostnameHATS-32 NA  
## hostnameHATS-33 NA  
## hostnameHATS-34 NA  
## hostnameHATS-35 NA  
## hostnameHATS-36 NA  
## hostnameHATS-37 A NA  
## hostnameHATS-38 NA  
## hostnameHATS-39 NA  
## hostnameHATS-4 NA  
## hostnameHATS-40 NA  
## hostnameHATS-41 NA  
## hostnameHATS-42 NA  
## hostnameHATS-43 NA  
## hostnameHATS-44 NA  
## hostnameHATS-45 NA  
## hostnameHATS-46 NA  
## hostnameHATS-47 NA  
## hostnameHATS-48 A NA  
## hostnameHATS-49 NA  
## hostnameHATS-5 NA  
## hostnameHATS-50 NA  
## hostnameHATS-51 NA  
## hostnameHATS-52 NA  
## hostnameHATS-53 NA  
## hostnameHATS-54 NA  
## hostnameHATS-55 NA  
## hostnameHATS-56 NA  
## hostnameHATS-57 NA  
## hostnameHATS-58 A NA  
## hostnameHATS-59 NA  
## hostnameHATS-6 NA  
## hostnameHATS-60 NA  
## hostnameHATS-61 NA  
## hostnameHATS-62 NA  
## hostnameHATS-63 NA  
## hostnameHATS-64 NA  
## hostnameHATS-65 NA  
## hostnameHATS-66 NA  
## hostnameHATS-67 NA  
## hostnameHATS-68 NA  
## hostnameHATS-69 NA  
## hostnameHATS-7 NA  
## hostnameHATS-70 NA  
## hostnameHATS-71 NA  
## hostnameHATS-72 NA  
## hostnameHATS-74 A NA  
## hostnameHATS-75 NA  
## hostnameHATS-76 NA  
## hostnameHATS-77 NA  
## hostnameHATS-8 NA  
## hostnameHATS-9 NA  
## hostnameHD 100655 NA  
## hostnameHD 100777 NA  
## hostnameHD 10180 NA  
## hostnameHD 101930 NA  
## hostnameHD 102117 NA  
## hostnameHD 102195 NA  
## hostnameHD 102272 NA  
## hostnameHD 102329 NA  
## hostnameHD 102365 NA  
## hostnameHD 102843 NA  
## hostnameHD 102956 NA  
## hostnameHD 103197 NA  
## hostnameHD 103720 NA  
## hostnameHD 103774 NA  
## hostnameHD 103891 NA  
## hostnameHD 103949 NA  
## hostnameHD 104067 NA  
## hostnameHD 10442 NA  
## hostnameHD 104985 NA  
## hostnameHD 105618 NA  
## hostnameHD 105779 NA  
## hostnameHD 106252 NA  
## hostnameHD 106270 NA  
## hostnameHD 106315 NA  
## hostnameHD 10647 NA  
## hostnameHD 106515 A NA  
## hostnameHD 10697 NA  
## hostnameHD 107148 NA  
## hostnameHD 108147 NA  
## hostnameHD 108202 NA  
## hostnameHD 108236 NA  
## hostnameHD 108341 NA  
## hostnameHD 108863 NA  
## hostnameHD 108874 NA  
## hostnameHD 109246 NA  
## hostnameHD 109271 NA  
## hostnameHD 109286 NA  
## hostnameHD 109749 NA  
## hostnameHD 10975 NA  
## hostnameHD 109988 NA  
## hostnameHD 110014 NA  
## hostnameHD 110082 NA  
## hostnameHD 110113 NA  
## hostnameHD 110537 NA  
## hostnameHD 11112 NA  
## hostnameHD 111232 NA  
## hostnameHD 111998 NA  
## hostnameHD 112300 NA  
## hostnameHD 112640 NA  
## hostnameHD 113337 NA  
## hostnameHD 113538 NA  
## hostnameHD 113996 NA  
## hostnameHD 114082 NA  
## hostnameHD 114386 NA  
## hostnameHD 114613 NA  
## hostnameHD 114729 NA  
## hostnameHD 114783 NA  
## hostnameHD 11505 NA  
## hostnameHD 11506 NA  
## hostnameHD 115404 A NA  
## hostnameHD 115954 NA  
## hostnameHD 116029 NA  
## hostnameHD 117207 NA  
## hostnameHD 11755 NA  
## hostnameHD 117618 NA  
## hostnameHD 118203 NA  
## hostnameHD 11964 NA  
## hostnameHD 11977 NA  
## hostnameHD 120084 NA  
## hostnameHD 121504 NA  
## hostnameHD 12235 NA  
## hostnameHD 124330 NA  
## hostnameHD 12484 NA  
## hostnameHD 125271 NA  
## hostnameHD 125390 NA  
## hostnameHD 125595 NA  
## hostnameHD 125612 NA  
## hostnameHD 12648 NA  
## hostnameHD 126525 NA  
## hostnameHD 12661 NA  
## hostnameHD 126614 NA  
## hostnameHD 127506 NA  
## hostnameHD 128311 NA  
## hostnameHD 128356 NA  
## hostnameHD 129445 NA  
## hostnameHD 130322 NA  
## hostnameHD 131496 NA  
## hostnameHD 13167 NA  
## hostnameHD 13189 NA  
## hostnameHD 132406 NA  
## hostnameHD 132563 NA  
## hostnameHD 133131 A NA  
## hostnameHD 133131 B NA  
## hostnameHD 134060 NA  
## hostnameHD 134987 NA  
## hostnameHD 135625 NA  
## hostnameHD 136118 NA  
## hostnameHD 136352 NA  
## hostnameHD 136925 NA  
## hostnameHD 13724 NA  
## hostnameHD 137388 NA  
## hostnameHD 137496 NA  
## hostnameHD 13808 NA  
## hostnameHD 13908 NA  
## hostnameHD 13931 NA  
## hostnameHD 139357 NA  
## hostnameHD 1397 NA  
## hostnameHD 14067 NA  
## hostnameHD 140901 NA  
## hostnameHD 141004 NA  
## hostnameHD 141399 NA  
## hostnameHD 141937 NA  
## hostnameHD 142 NA  
## hostnameHD 142022 A NA  
## hostnameHD 142245 NA  
## hostnameHD 142415 NA  
## hostnameHD 143105 NA  
## hostnameHD 143361 NA  
## hostnameHD 144899 NA  
## hostnameHD 145377 NA  
## hostnameHD 145457 NA  
## hostnameHD 145934 NA  
## hostnameHD 1461 NA  
## hostnameHD 147018 NA  
## hostnameHD 147379 NA  
## hostnameHD 147513 NA  
## hostnameHD 14787 NA  
## hostnameHD 147873 NA  
## hostnameHD 148156 NA  
## hostnameHD 148164 NA  
## hostnameHD 148427 NA  
## hostnameHD 149026 NA  
## hostnameHD 149143 NA  
## hostnameHD 149806 NA  
## hostnameHD 150010 NA  
## hostnameHD 1502 NA  
## hostnameHD 150706 NA  
## hostnameHD 151450 NA  
## hostnameHD 152079 NA  
## hostnameHD 152581 NA  
## hostnameHD 152843 NA  
## hostnameHD 15337 NA  
## hostnameHD 153557 NA  
## hostnameHD 153950 NA  
## hostnameHD 154088 NA  
## hostnameHD 154345 NA  
## hostnameHD 154672 NA  
## hostnameHD 154857 NA  
## hostnameHD 155193 NA  
## hostnameHD 155358 NA  
## hostnameHD 155918 NA  
## hostnameHD 156098 NA  
## hostnameHD 156279 NA  
## hostnameHD 156411 NA  
## hostnameHD 156668 NA  
## hostnameHD 156846 NA  
## hostnameHD 158038 NA  
## hostnameHD 158996 NA  
## hostnameHD 15906 NA  
## hostnameHD 159243 NA  
## hostnameHD 159868 NA  
## hostnameHD 1605 NA  
## hostnameHD 160691 NA  
## hostnameHD 161178 NA  
## hostnameHD 16141 NA  
## hostnameHD 16175 NA  
## hostnameHD 162020 NA  
## hostnameHD 163607 NA  
## hostnameHD 16417 NA  
## hostnameHD 164509 NA  
## hostnameHD 164595 NA  
## hostnameHD 164604 NA  
## hostnameHD 164922 NA  
## hostnameHD 165131 NA  
## hostnameHD 165155 NA  
## hostnameHD 1666 NA  
## hostnameHD 166724 NA  
## hostnameHD 167042 NA  
## hostnameHD 167677 NA  
## hostnameHD 167768 NA  
## hostnameHD 168009 NA  
## hostnameHD 168443 NA  
## hostnameHD 168746 NA  
## hostnameHD 168863 NA  
## hostnameHD 1690 NA  
## hostnameHD 16905 NA  
## hostnameHD 169830 NA  
## hostnameHD 170469 NA  
## hostnameHD 17092 NA  
## hostnameHD 171028 NA  
## hostnameHD 171238 NA  
## hostnameHD 17156 NA  
## hostnameHD 173416 NA  
## hostnameHD 174205 NA  
## hostnameHD 175167 NA  
## hostnameHD 175541 NA  
## hostnameHD 17674 NA  
## hostnameHD 176986 NA  
## hostnameHD 177565 NA  
## hostnameHD 177830 NA  
## hostnameHD 178911 B NA  
## hostnameHD 179079 NA  
## hostnameHD 179949 NA  
## hostnameHD 180053 NA  
## hostnameHD 18015 NA  
## hostnameHD 180314 NA  
## hostnameHD 180617 NA  
## hostnameHD 180902 NA  
## hostnameHD 181234 NA  
## hostnameHD 181342 NA  
## hostnameHD 18143 NA  
## hostnameHD 181433 NA  
## hostnameHD 181720 NA  
## hostnameHD 183263 NA  
## hostnameHD 183579 NA  
## hostnameHD 184010 NA  
## hostnameHD 18438 NA  
## hostnameHD 185269 NA  
## hostnameHD 185283 NA  
## hostnameHD 18599 NA  
## hostnameHD 187085 NA  
## hostnameHD 187123 NA  
## hostnameHD 18742 NA  
## hostnameHD 188015 NA  
## hostnameHD 188641 NA  
## hostnameHD 189567 NA  
## hostnameHD 189733 NA  
## hostnameHD 190007 NA  
## hostnameHD 190228 NA  
## hostnameHD 190360 NA  
## hostnameHD 190647 NA  
## hostnameHD 190984 NA  
## hostnameHD 191806 NA  
## hostnameHD 191939 NA  
## hostnameHD 192263 NA  
## hostnameHD 192310 NA  
## hostnameHD 192699 NA  
## hostnameHD 194490 NA  
## hostnameHD 195019 NA  
## hostnameHD 196050 NA  
## hostnameHD 196067 NA  
## hostnameHD 19615 NA  
## hostnameHD 196885 A NA  
## hostnameHD 197037 NA  
## hostnameHD 199509 NA  
## hostnameHD 19994 NA  
## hostnameHD 20003 NA  
## hostnameHD 200964 NA  
## hostnameHD 202206 NA  
## hostnameHD 202772 A NA  
## hostnameHD 20329 NA  
## hostnameHD 2039 NA  
## hostnameHD 204313 NA  
## hostnameHD 204941 NA  
## hostnameHD 205158 NA  
## hostnameHD 205739 NA  
## hostnameHD 206255 NA  
## hostnameHD 206610 NA  
## hostnameHD 206893 NA  
## hostnameHD 207496 NA  
## hostnameHD 20781 NA  
## hostnameHD 20782 NA  
## hostnameHD 207832 NA  
## hostnameHD 207897 NA  
## hostnameHD 20794 NA  
## hostnameHD 208487 NA  
## hostnameHD 208527 NA  
## hostnameHD 20868 NA  
## hostnameHD 208897 NA  
## hostnameHD 209458 NA  
## hostnameHD 210193 NA  
## hostnameHD 210277 NA  
## hostnameHD 210702 NA  
## hostnameHD 211403 NA  
## hostnameHD 211810 NA  
## hostnameHD 211970 NA  
## hostnameHD 212301 NA  
## hostnameHD 212771 NA  
## hostnameHD 213240 NA  
## hostnameHD 213472 NA  
## hostnameHD 213519 NA  
## hostnameHD 213885 NA  
## hostnameHD 21411 NA  
## hostnameHD 214823 NA  
## hostnameHD 215152 NA  
## hostnameHD 215497 NA  
## hostnameHD 216435 NA  
## hostnameHD 216437 NA  
## hostnameHD 216520 NA  
## hostnameHD 216536 NA  
## hostnameHD 216770 NA  
## hostnameHD 21693 NA  
## hostnameHD 217107 NA  
## hostnameHD 217786 NA  
## hostnameHD 217958 NA  
## hostnameHD 218566 NA  
## hostnameHD 219077 NA  
## hostnameHD 219134 NA  
## hostnameHD 219139 NA  
## hostnameHD 219415 NA  
## hostnameHD 219666 NA  
## hostnameHD 219828 NA  
## hostnameHD 220074 NA  
## hostnameHD 220197 NA  
## hostnameHD 220689 NA  
## hostnameHD 220773 NA  
## hostnameHD 220842 NA  
## hostnameHD 221287 NA  
## hostnameHD 221416 NA  
## hostnameHD 221420 NA  
## hostnameHD 221585 NA  
## hostnameHD 222076 NA  
## hostnameHD 222155 NA  
## hostnameHD 222582 NA  
## hostnameHD 224538 NA  
## hostnameHD 224693 NA  
## hostnameHD 22532 NA  
## hostnameHD 22781 NA  
## hostnameHD 22946 NA  
## hostnameHD 23079 NA  
## hostnameHD 23127 NA  
## hostnameHD 231701 NA  
## hostnameHD 233604 NA  
## hostnameHD 233832 NA  
## hostnameHD 23472 NA  
## hostnameHD 23596 NA  
## hostnameHD 238090 NA  
## hostnameHD 238914 NA  
## hostnameHD 240210 NA  
## hostnameHD 240237 NA  
## hostnameHD 24040 NA  
## hostnameHD 24064 NA  
## hostnameHD 24085 NA  
## hostnameHD 25015 NA  
## hostnameHD 25171 NA  
## hostnameHD 25723 NA  
## hostnameHD 25912 NA  
## hostnameHD 260655 NA  
## hostnameHD 26161 NA  
## hostnameHD 2638 NA  
## hostnameHD 2685 NA  
## hostnameHD 27442 NA  
## hostnameHD 27631 NA  
## hostnameHD 27894 NA  
## hostnameHD 27969 NA  
## hostnameHD 28109 NA  
## hostnameHD 28185 NA  
## hostnameHD 28192 NA  
## hostnameHD 28254 NA  
## hostnameHD 285507 NA  
## hostnameHD 285968 NA  
## hostnameHD 28678 NA  
## hostnameHD 29021 NA  
## hostnameHD 290327 NA  
## hostnameHD 29399 NA  
## hostnameHD 2952 NA  
## hostnameHD 29985 NA  
## hostnameHD 30177 NA  
## hostnameHD 30562 NA  
## hostnameHD 30669 NA  
## hostnameHD 307842 NA  
## hostnameHD 30856 NA  
## hostnameHD 31253 NA  
## hostnameHD 31527 NA  
## hostnameHD 3167 NA  
## hostnameHD 32518 NA  
## hostnameHD 32963 NA  
## hostnameHD 330075 NA  
## hostnameHD 331093 NA  
## hostnameHD 33142 NA  
## hostnameHD 332231 NA  
## hostnameHD 33283 NA  
## hostnameHD 33564 NA  
## hostnameHD 33844 NA  
## hostnameHD 34445 NA  
## hostnameHD 35759 NA  
## hostnameHD 360 NA  
## hostnameHD 36384 NA  
## hostnameHD 3651 NA  
## hostnameHD 37124 NA  
## hostnameHD 37605 NA  
## hostnameHD 3765 NA  
## hostnameHD 38283 NA  
## hostnameHD 38529 NA  
## hostnameHD 38801 NA  
## hostnameHD 39091 NA  
## hostnameHD 39194 NA  
## hostnameHD 39855 NA  
## hostnameHD 40307 NA  
## hostnameHD 40956 NA  
## hostnameHD 40979 NA  
## hostnameHD 4113 NA  
## hostnameHD 42012 NA  
## hostnameHD 4203 NA  
## hostnameHD 4208 NA  
## hostnameHD 42618 NA  
## hostnameHD 4308 NA  
## hostnameHD 4313 NA  
## hostnameHD 43197 NA  
## hostnameHD 43691 NA  
## hostnameHD 44219 NA  
## hostnameHD 45184 NA  
## hostnameHD 45350 NA  
## hostnameHD 45364 NA  
## hostnameHD 45652 NA  
## hostnameHD 457 NA  
## hostnameHD 46375 NA  
## hostnameHD 47186 NA  
## hostnameHD 4732 NA  
## hostnameHD 47366 NA  
## hostnameHD 47536 NA  
## hostnameHD 4760 NA  
## hostnameHD 48265 NA  
## hostnameHD 4917 NA  
## hostnameHD 49674 NA  
## hostnameHD 50499 NA  
## hostnameHD 50554 NA  
## hostnameHD 51608 NA  
## hostnameHD 52265 NA  
## hostnameHD 5278 NA  
## hostnameHD 5319 NA  
## hostnameHD 55696 NA  
## hostnameHD 5583 NA  
## hostnameHD 5608 NA  
## hostnameHD 564 NA  
## hostnameHD 56414 NA  
## hostnameHD 56957 NA  
## hostnameHD 5891 NA  
## hostnameHD 59686 A NA  
## hostnameHD 60292 NA  
## hostnameHD 60532 NA  
## hostnameHD 62364 NA  
## hostnameHD 62549 NA  
## hostnameHD 63433 NA  
## hostnameHD 63454 NA  
## hostnameHD 63765 NA  
## hostnameHD 64114 NA  
## hostnameHD 64121 NA  
## hostnameHD 6434 NA  
## hostnameHD 65216 NA  
## hostnameHD 66141 NA  
## hostnameHD 66428 NA  
## hostnameHD 67087 NA  
## hostnameHD 6718 NA  
## hostnameHD 68402 NA  
## hostnameHD 68988 NA  
## hostnameHD 69123 NA  
## hostnameHD 69830 NA  
## hostnameHD 70573 NA  
## hostnameHD 70642 NA  
## hostnameHD 7199 NA  
## hostnameHD 72490 NA  
## hostnameHD 72659 NA  
## hostnameHD 72892 NA  
## hostnameHD 73256 NA  
## hostnameHD 73267 NA  
## hostnameHD 73526 NA  
## hostnameHD 73534 NA  
## hostnameHD 73583 NA  
## hostnameHD 74156 NA  
## hostnameHD 7449 NA  
## hostnameHD 74698 NA  
## hostnameHD 75289 NA  
## hostnameHD 75302 NA  
## hostnameHD 75784 NA  
## hostnameHD 75898 NA  
## hostnameHD 76700 NA  
## hostnameHD 76920 NA  
## hostnameHD 77338 NA  
## hostnameHD 79181 NA  
## hostnameHD 7924 NA  
## hostnameHD 79498 NA  
## hostnameHD 80606 NA  
## hostnameHD 80653 NA  
## hostnameHD 80869 NA  
## hostnameHD 80883 NA  
## hostnameHD 80913 NA  
## hostnameHD 81040 NA  
## hostnameHD 81688 NA  
## hostnameHD 81817 NA  
## hostnameHD 82886 NA  
## hostnameHD 82943 NA  
## hostnameHD 8326 NA  
## hostnameHD 83443 NA  
## hostnameHD 8535 NA  
## hostnameHD 85390 NA  
## hostnameHD 85512 NA  
## hostnameHD 8574 NA  
## hostnameHD 86065 NA  
## hostnameHD 86081 NA  
## hostnameHD 86226 NA  
## hostnameHD 86264 NA  
## hostnameHD 8673 NA  
## hostnameHD 86950 NA  
## hostnameHD 87646 NA  
## hostnameHD 87883 NA  
## hostnameHD 88072 NA  
## hostnameHD 88133 NA  
## hostnameHD 89307 NA  
## hostnameHD 89345 NA  
## hostnameHD 89744 NA  
## hostnameHD 89839 NA  
## hostnameHD 90156 NA  
## hostnameHD 9174 NA  
## hostnameHD 92788 NA  
## hostnameHD 93083 NA  
## hostnameHD 93351 NA  
## hostnameHD 93385 NA  
## hostnameHD 9446 NA  
## hostnameHD 94771 NA  
## hostnameHD 94834 NA  
## hostnameHD 95089 NA  
## hostnameHD 95127 NA  
## hostnameHD 95338 NA  
## hostnameHD 95544 NA  
## hostnameHD 95872 NA  
## hostnameHD 96063 NA  
## hostnameHD 96127 NA  
## hostnameHD 96167 NA  
## hostnameHD 96700 NA  
## hostnameHD 96992 NA  
## hostnameHD 97037 NA  
## hostnameHD 97658 NA  
## hostnameHD 98219 NA  
## hostnameHD 98649 NA  
## hostnameHD 98736 NA  
## hostnameHD 99109 NA  
## hostnameHD 99283 NA  
## hostnameHD 99492 NA  
## hostnameHD 99706 NA  
## hostnameHIP 105854 NA  
## hostnameHIP 107772 NA  
## hostnameHIP 107773 NA  
## hostnameHIP 109384 NA  
## hostnameHIP 109600 NA  
## hostnameHIP 114933 NA  
## hostnameHIP 116454 NA  
## hostnameHIP 12961 NA  
## hostnameHIP 14810 NA  
## hostnameHIP 19976 NA  
## hostnameHIP 21152 NA  
## hostnameHIP 34222 NA  
## hostnameHIP 35173 NA  
## hostnameHIP 35965 NA  
## hostnameHIP 38594 NA  
## hostnameHIP 4845 NA  
## hostnameHIP 48714 NA  
## hostnameHIP 5158 NA  
## hostnameHIP 54373 NA  
## hostnameHIP 54597 NA  
## hostnameHIP 55507 NA  
## hostnameHIP 56640 NA  
## hostnameHIP 57274 NA  
## hostnameHIP 5763 NA  
## hostnameHIP 63242 NA  
## hostnameHIP 65 A NA  
## hostnameHIP 65407 NA  
## hostnameHIP 65891 NA  
## hostnameHIP 67537 NA  
## hostnameHIP 67851 NA  
## hostnameHIP 70849 NA  
## hostnameHIP 71135 NA  
## hostnameHIP 74890 NA  
## hostnameHIP 75056 A NA  
## hostnameHIP 75092 NA  
## hostnameHIP 79431 NA  
## hostnameHIP 8541 NA  
## hostnameHIP 90988 NA  
## hostnameHIP 91258 NA  
## hostnameHIP 948 NA  
## hostnameHIP 9618 NA  
## hostnameHIP 97166 NA  
## hostnameHIP 97233 NA  
## hostnameHIP 99770 NA  
## hostnameHN Lib NA  
## hostnameHR 5183 NA  
## hostnameHR 810 NA  
## hostnameHR 858 NA  
## hostnameHR 8799 NA  
## hostnameIC 4651 9122 NA  
## hostnameiot Dra NA  
## hostnameK2-10 NA  
## hostnameK2-100 NA  
## hostnameK2-101 NA  
## hostnameK2-104 NA  
## hostnameK2-107 NA  
## hostnameK2-108 NA  
## hostnameK2-110 NA  
## hostnameK2-111 NA  
## hostnameK2-113 NA  
## hostnameK2-114 NA  
## hostnameK2-115 NA  
## hostnameK2-116 NA  
## hostnameK2-117 NA  
## hostnameK2-118 NA  
## hostnameK2-119 NA  
## hostnameK2-12 NA  
## hostnameK2-121 NA  
## hostnameK2-122 NA  
## hostnameK2-123 NA  
## hostnameK2-124 NA  
## hostnameK2-125 NA  
## hostnameK2-126 NA  
## hostnameK2-127 NA  
## hostnameK2-128 NA  
## hostnameK2-129 NA  
## hostnameK2-130 NA  
## hostnameK2-131 NA  
## hostnameK2-132 NA  
## hostnameK2-136 NA  
## hostnameK2-138 NA  
## hostnameK2-139 NA  
## hostnameK2-14 NA  
## hostnameK2-140 NA  
## hostnameK2-141 NA  
## hostnameK2-146 NA  
## hostnameK2-167 NA  
## hostnameK2-17 NA  
## hostnameK2-18 NA  
## hostnameK2-180 NA  
## hostnameK2-182 NA  
## hostnameK2-19 NA  
## hostnameK2-199 NA  
## hostnameK2-21 NA  
## hostnameK2-216 NA  
## hostnameK2-222 NA  
## hostnameK2-229 NA  
## hostnameK2-232 NA  
## hostnameK2-233 NA  
## hostnameK2-237 NA  
## hostnameK2-238 NA  
## hostnameK2-24 NA  
## hostnameK2-25 NA  
## hostnameK2-260 NA  
## hostnameK2-261 NA  
## hostnameK2-263 NA  
## hostnameK2-264 NA  
## hostnameK2-265 NA  
## hostnameK2-266 NA  
## hostnameK2-27 NA  
## hostnameK2-28 NA  
## hostnameK2-280 NA  
## hostnameK2-284 NA  
## hostnameK2-285 NA  
## hostnameK2-287 NA  
## hostnameK2-29 NA  
## hostnameK2-290 NA  
## hostnameK2-291 NA  
## hostnameK2-292 NA  
## hostnameK2-295 NA  
## hostnameK2-3 NA  
## hostnameK2-30 NA  
## hostnameK2-31 NA  
## hostnameK2-32 NA  
## hostnameK2-329 NA  
## hostnameK2-34 NA  
## hostnameK2-35 NA  
## hostnameK2-36 NA  
## hostnameK2-38 NA  
## hostnameK2-39 NA  
## hostnameK2-4 NA  
## hostnameK2-43 NA  
## hostnameK2-45 NA  
## hostnameK2-55 NA  
## hostnameK2-60 NA  
## hostnameK2-66 NA  
## hostnameK2-72 NA  
## hostnameK2-79 NA  
## hostnameK2-81 NA  
## hostnameK2-83 NA  
## hostnameK2-85 NA  
## hostnameK2-88 NA  
## hostnameK2-89 NA  
## hostnameK2-90 NA  
## hostnameK2-91 NA  
## hostnameK2-95 NA  
## hostnameK2-97 NA  
## hostnameK2-98 NA  
## hostnameK2-99 NA  
## hostnamekap CrB NA  
## hostnameKapteyn NA  
## hostnameKELT-1 NA  
## hostnameKELT-11 NA  
## hostnameKELT-12 NA  
## hostnameKELT-14 NA  
## hostnameKELT-15 NA  
## hostnameKELT-16 NA  
## hostnameKELT-18 NA  
## hostnameKELT-2 A NA  
## hostnameKELT-20 NA  
## hostnameKELT-21 NA  
## hostnameKELT-23 A NA  
## hostnameKELT-24 NA  
## hostnameKELT-3 NA  
## hostnameKELT-4 A NA  
## hostnameKELT-6 NA  
## hostnameKELT-7 NA  
## hostnameKELT-8 NA  
## hostnameKELT-9 NA  
## hostnameKepler-10 NA  
## hostnameKepler-100 NA  
## hostnameKepler-1000 NA  
## hostnameKepler-1001 NA  
## hostnameKepler-1002 NA  
## hostnameKepler-1003 NA  
## hostnameKepler-1004 NA  
## hostnameKepler-1005 NA  
## hostnameKepler-1007 NA  
## hostnameKepler-1008 NA  
## hostnameKepler-1009 NA  
## hostnameKepler-101 NA  
## hostnameKepler-1010 NA  
## hostnameKepler-1011 NA  
## hostnameKepler-1012 NA  
## hostnameKepler-1013 NA  
## hostnameKepler-1014 NA  
## hostnameKepler-1015 NA  
## hostnameKepler-1016 NA  
## hostnameKepler-1017 NA  
## hostnameKepler-1018 NA  
## hostnameKepler-1019 NA  
## hostnameKepler-102 NA  
## hostnameKepler-1020 NA  
## hostnameKepler-1021 NA  
## hostnameKepler-1022 NA  
## hostnameKepler-1023 NA  
## hostnameKepler-1024 NA  
## hostnameKepler-1025 NA  
## hostnameKepler-1026 NA  
## hostnameKepler-1027 NA  
## hostnameKepler-1028 NA  
## hostnameKepler-1029 NA  
## hostnameKepler-103 NA  
## hostnameKepler-1030 NA  
## hostnameKepler-1032 NA  
## hostnameKepler-1033 NA  
## hostnameKepler-1034 NA  
## hostnameKepler-1035 NA  
## hostnameKepler-1036 NA  
## hostnameKepler-1037 NA  
## hostnameKepler-1038 NA  
## hostnameKepler-1039 NA  
## hostnameKepler-104 NA  
## hostnameKepler-1040 NA  
## hostnameKepler-1041 NA  
## hostnameKepler-1042 NA  
## hostnameKepler-1043 NA  
## hostnameKepler-1044 NA  
## hostnameKepler-1045 NA  
## hostnameKepler-1046 NA  
## hostnameKepler-1047 NA  
## hostnameKepler-1048 NA  
## hostnameKepler-1049 NA  
## hostnameKepler-105 NA  
## hostnameKepler-1050 NA  
## hostnameKepler-1051 NA  
## hostnameKepler-1052 NA  
## hostnameKepler-1053 NA  
## hostnameKepler-1054 NA  
## hostnameKepler-1055 NA  
## hostnameKepler-1056 NA  
## hostnameKepler-1057 NA  
## hostnameKepler-1058 NA  
## hostnameKepler-1059 NA  
## hostnameKepler-106 NA  
## hostnameKepler-1060 NA  
## hostnameKepler-1061 NA  
## hostnameKepler-1062 NA  
## hostnameKepler-1064 NA  
## hostnameKepler-1065 NA  
## hostnameKepler-1066 NA  
## hostnameKepler-1067 NA  
## hostnameKepler-1068 NA  
## hostnameKepler-1069 NA  
## hostnameKepler-107 NA  
## hostnameKepler-1070 NA  
## hostnameKepler-1071 NA  
## hostnameKepler-1072 NA  
## hostnameKepler-1073 NA  
## hostnameKepler-1074 NA  
## hostnameKepler-1075 NA  
## hostnameKepler-1076 NA  
## hostnameKepler-1077 NA  
## hostnameKepler-1078 NA  
## hostnameKepler-108 NA  
## hostnameKepler-1080 NA  
## hostnameKepler-1081 NA  
## hostnameKepler-1082 NA  
## hostnameKepler-1083 NA  
## hostnameKepler-1084 NA  
## hostnameKepler-1085 NA  
## hostnameKepler-1086 NA  
## hostnameKepler-1087 NA  
## hostnameKepler-1088 NA  
## hostnameKepler-1089 NA  
## hostnameKepler-109 NA  
## hostnameKepler-1090 NA  
## hostnameKepler-1091 NA  
## hostnameKepler-1092 NA  
## hostnameKepler-1093 NA  
## hostnameKepler-1094 NA  
## hostnameKepler-1095 NA  
## hostnameKepler-1096 NA  
## hostnameKepler-1097 NA  
## hostnameKepler-1098 NA  
## hostnameKepler-1099 NA  
## hostnameKepler-11 NA  
## hostnameKepler-110 NA  
## hostnameKepler-1100 NA  
## hostnameKepler-1101 NA  
## hostnameKepler-1102 NA  
## hostnameKepler-1103 NA  
## hostnameKepler-1104 NA  
## hostnameKepler-1105 NA  
## hostnameKepler-1106 NA  
## hostnameKepler-1107 NA  
## hostnameKepler-1108 NA  
## hostnameKepler-1109 NA  
## hostnameKepler-111 NA  
## hostnameKepler-1110 NA  
## hostnameKepler-1111 NA  
## hostnameKepler-1112 NA  
## hostnameKepler-1113 NA  
## hostnameKepler-1114 NA  
## hostnameKepler-1115 NA  
## hostnameKepler-1116 NA  
## hostnameKepler-1117 NA  
## hostnameKepler-1118 NA  
## hostnameKepler-1119 NA  
## hostnameKepler-112 NA  
## hostnameKepler-1120 NA  
## hostnameKepler-1121 NA  
## hostnameKepler-1122 NA  
## hostnameKepler-1123 NA  
## hostnameKepler-1124 NA  
## hostnameKepler-1125 NA  
## hostnameKepler-1126 NA  
## hostnameKepler-1127 NA  
## hostnameKepler-1128 NA  
## hostnameKepler-1129 NA  
## hostnameKepler-113 NA  
## hostnameKepler-1130 NA  
## hostnameKepler-1131 NA  
## hostnameKepler-1132 NA  
## hostnameKepler-1133 NA  
## hostnameKepler-1134 NA  
## hostnameKepler-1135 NA  
## hostnameKepler-1136 NA  
## hostnameKepler-1137 NA  
## hostnameKepler-1138 NA  
## hostnameKepler-1139 NA  
## hostnameKepler-114 NA  
## hostnameKepler-1140 NA  
## hostnameKepler-1141 NA  
## hostnameKepler-1142 NA  
## hostnameKepler-1143 NA  
## hostnameKepler-1144 NA  
## hostnameKepler-1145 NA  
## hostnameKepler-1146 NA  
## hostnameKepler-1147 NA  
## hostnameKepler-1148 NA  
## hostnameKepler-1149 NA  
## hostnameKepler-115 NA  
## hostnameKepler-1150 NA  
## hostnameKepler-1151 NA  
## hostnameKepler-1152 NA  
## hostnameKepler-1153 NA  
## hostnameKepler-1154 NA  
## hostnameKepler-1155 NA  
## hostnameKepler-1156 NA  
## hostnameKepler-1157 NA  
## hostnameKepler-1158 NA  
## hostnameKepler-1159 NA  
## hostnameKepler-116 NA  
## hostnameKepler-1160 NA  
## hostnameKepler-1161 NA  
## hostnameKepler-1162 NA  
## hostnameKepler-1163 NA  
## hostnameKepler-1164 NA  
## hostnameKepler-1165 NA  
## hostnameKepler-1166 NA  
## hostnameKepler-1167 NA  
## hostnameKepler-1168 NA  
## hostnameKepler-1169 NA  
## hostnameKepler-117 NA  
## hostnameKepler-1170 NA  
## hostnameKepler-1171 NA  
## hostnameKepler-1172 NA  
## hostnameKepler-1173 NA  
## hostnameKepler-1174 NA  
## hostnameKepler-1175 NA  
## hostnameKepler-1176 NA  
## hostnameKepler-1177 NA  
## hostnameKepler-1178 NA  
## hostnameKepler-1179 NA  
## hostnameKepler-118 NA  
## hostnameKepler-1180 NA  
## hostnameKepler-1181 NA  
## hostnameKepler-1182 NA  
## hostnameKepler-1183 NA  
## hostnameKepler-1184 NA  
## hostnameKepler-1185 NA  
## hostnameKepler-1186 NA  
## hostnameKepler-1187 NA  
## hostnameKepler-1188 NA  
## hostnameKepler-1189 NA  
## hostnameKepler-119 NA  
## hostnameKepler-1190 NA  
## hostnameKepler-1191 NA  
## hostnameKepler-1192 NA  
## hostnameKepler-1193 NA  
## hostnameKepler-1194 NA  
## hostnameKepler-1195 NA  
## hostnameKepler-1196 NA  
## hostnameKepler-1197 NA  
## hostnameKepler-1198 NA  
## hostnameKepler-1199 NA  
## hostnameKepler-12 NA  
## hostnameKepler-120 NA  
## hostnameKepler-1200 NA  
## hostnameKepler-1201 NA  
## hostnameKepler-1202 NA  
## hostnameKepler-1203 NA  
## hostnameKepler-1204 NA  
## hostnameKepler-1205 NA  
## hostnameKepler-1206 NA  
## hostnameKepler-1207 NA  
## hostnameKepler-1208 NA  
## hostnameKepler-1209 NA  
## hostnameKepler-121 NA  
## hostnameKepler-1210 NA  
## hostnameKepler-1211 NA  
## hostnameKepler-1212 NA  
## hostnameKepler-1213 NA  
## hostnameKepler-1214 NA  
## hostnameKepler-1215 NA  
## hostnameKepler-1216 NA  
## hostnameKepler-1217 NA  
## hostnameKepler-1218 NA  
## hostnameKepler-1219 NA  
## hostnameKepler-122 NA  
## hostnameKepler-1220 NA  
## hostnameKepler-1221 NA  
## hostnameKepler-1222 NA  
## hostnameKepler-1223 NA  
## hostnameKepler-1224 NA  
## hostnameKepler-1225 NA  
## hostnameKepler-1226 NA  
## hostnameKepler-1227 NA  
## hostnameKepler-1228 NA  
## hostnameKepler-1229 NA  
## hostnameKepler-123 NA  
## hostnameKepler-1230 NA  
## hostnameKepler-1231 NA  
## hostnameKepler-1232 NA  
## hostnameKepler-1233 NA  
## hostnameKepler-1234 NA  
## hostnameKepler-1235 NA  
## hostnameKepler-1236 NA  
## hostnameKepler-1237 NA  
## hostnameKepler-1238 NA  
## hostnameKepler-1239 NA  
## hostnameKepler-124 NA  
## hostnameKepler-1240 NA  
## hostnameKepler-1241 NA  
## hostnameKepler-1242 NA  
## hostnameKepler-1243 NA  
## hostnameKepler-1244 NA  
## hostnameKepler-1245 NA  
## hostnameKepler-1246 NA  
## hostnameKepler-1247 NA  
## hostnameKepler-1248 NA  
## hostnameKepler-1249 NA  
## hostnameKepler-125 NA  
## hostnameKepler-1250 NA  
## hostnameKepler-1251 NA  
## hostnameKepler-1252 NA  
## hostnameKepler-1253 NA  
## hostnameKepler-1254 NA  
## hostnameKepler-1255 NA  
## hostnameKepler-1256 NA  
## hostnameKepler-1257 NA  
## hostnameKepler-1258 NA  
## hostnameKepler-1259 NA  
## hostnameKepler-126 NA  
## hostnameKepler-1260 NA  
## hostnameKepler-1261 NA  
## hostnameKepler-1262 NA  
## hostnameKepler-1263 NA  
## hostnameKepler-1264 NA  
## hostnameKepler-1265 NA  
## hostnameKepler-1266 NA  
## hostnameKepler-1267 NA  
## hostnameKepler-1268 NA  
## hostnameKepler-1269 NA  
## hostnameKepler-127 NA  
## hostnameKepler-1270 NA  
## hostnameKepler-1271 NA  
## hostnameKepler-1272 NA  
## hostnameKepler-1273 NA  
## hostnameKepler-1274 NA  
## hostnameKepler-1275 NA  
## hostnameKepler-1276 NA  
## hostnameKepler-1277 NA  
## hostnameKepler-1278 NA  
## hostnameKepler-1279 NA  
## hostnameKepler-128 NA  
## hostnameKepler-1280 NA  
## hostnameKepler-1281 NA  
## hostnameKepler-1282 NA  
## hostnameKepler-1283 NA  
## hostnameKepler-1284 NA  
## hostnameKepler-1285 NA  
## hostnameKepler-1286 NA  
## hostnameKepler-1287 NA  
## hostnameKepler-1288 NA  
## hostnameKepler-1289 NA  
## hostnameKepler-129 NA  
## hostnameKepler-1290 NA  
## hostnameKepler-1291 NA  
## hostnameKepler-1292 NA  
## hostnameKepler-1293 NA  
## hostnameKepler-1294 NA  
## hostnameKepler-1295 NA  
## hostnameKepler-1296 NA  
## hostnameKepler-1297 NA  
## hostnameKepler-1298 NA  
## hostnameKepler-1299 NA  
## hostnameKepler-130 NA  
## hostnameKepler-1300 NA  
## hostnameKepler-1301 NA  
## hostnameKepler-1302 NA  
## hostnameKepler-1303 NA  
## hostnameKepler-1304 NA  
## hostnameKepler-1305 NA  
## hostnameKepler-1306 NA  
## hostnameKepler-1307 NA  
## hostnameKepler-1308 NA  
## hostnameKepler-1309 NA  
## hostnameKepler-131 NA  
## hostnameKepler-1310 NA  
## hostnameKepler-1311 NA  
## hostnameKepler-1312 NA  
## hostnameKepler-1313 NA  
## hostnameKepler-1314 NA  
## hostnameKepler-1315 NA  
## hostnameKepler-1316 NA  
## hostnameKepler-1317 NA  
## hostnameKepler-1318 NA  
## hostnameKepler-1319 NA  
## hostnameKepler-1320 NA  
## hostnameKepler-1321 NA  
## hostnameKepler-1322 NA  
## hostnameKepler-1323 NA  
## hostnameKepler-1324 NA  
## hostnameKepler-1325 NA  
## hostnameKepler-1326 NA  
## hostnameKepler-1327 NA  
## hostnameKepler-1328 NA  
## hostnameKepler-1329 NA  
## hostnameKepler-133 NA  
## hostnameKepler-1330 NA  
## hostnameKepler-1331 NA  
## hostnameKepler-1332 NA  
## hostnameKepler-1333 NA  
## hostnameKepler-1334 NA  
## hostnameKepler-1335 NA  
## hostnameKepler-1336 NA  
## hostnameKepler-1337 NA  
## hostnameKepler-1338 NA  
## hostnameKepler-1339 NA  
## hostnameKepler-134 NA  
## hostnameKepler-1340 NA  
## hostnameKepler-1341 NA  
## hostnameKepler-1342 NA  
## hostnameKepler-1343 NA  
## hostnameKepler-1344 NA  
## hostnameKepler-1345 NA  
## hostnameKepler-1346 NA  
## hostnameKepler-1347 NA  
## hostnameKepler-1348 NA  
## hostnameKepler-1349 NA  
## hostnameKepler-135 NA  
## hostnameKepler-1350 NA  
## hostnameKepler-1351 NA  
## hostnameKepler-1352 NA  
## hostnameKepler-1353 NA  
## hostnameKepler-1354 NA  
## hostnameKepler-1355 NA  
## hostnameKepler-1356 NA  
## hostnameKepler-1357 NA  
## hostnameKepler-1358 NA  
## hostnameKepler-1359 NA  
## hostnameKepler-136 NA  
## hostnameKepler-1360 NA  
## hostnameKepler-1361 NA  
## hostnameKepler-1362 NA  
## hostnameKepler-1363 NA  
## hostnameKepler-1364 NA  
## hostnameKepler-1365 NA  
## hostnameKepler-1366 NA  
## hostnameKepler-1367 NA  
## hostnameKepler-1368 NA  
## hostnameKepler-1369 NA  
## hostnameKepler-137 NA  
## hostnameKepler-1370 NA  
## hostnameKepler-1371 NA  
## hostnameKepler-1372 NA  
## hostnameKepler-1373 NA  
## hostnameKepler-1374 NA  
## hostnameKepler-1375 NA  
## hostnameKepler-1376 NA  
## hostnameKepler-1377 NA  
## hostnameKepler-1378 NA  
## hostnameKepler-1379 NA  
## hostnameKepler-138 NA  
## hostnameKepler-1380 NA  
## hostnameKepler-1381 NA  
## hostnameKepler-1382 NA  
## hostnameKepler-1383 NA  
## hostnameKepler-1384 NA  
## hostnameKepler-1385 NA  
## hostnameKepler-1386 NA  
## hostnameKepler-1387 NA  
## hostnameKepler-1388 NA  
## hostnameKepler-1389 NA  
## hostnameKepler-139 NA  
## hostnameKepler-1390 NA  
## hostnameKepler-1391 NA  
## hostnameKepler-1392 NA  
## hostnameKepler-1393 NA  
## hostnameKepler-1394 NA  
## hostnameKepler-1395 NA  
## hostnameKepler-1396 NA  
## hostnameKepler-1397 NA  
## hostnameKepler-1398 NA  
## hostnameKepler-1399 NA  
## hostnameKepler-140 NA  
## hostnameKepler-1400 NA  
## hostnameKepler-1401 NA  
## hostnameKepler-1402 NA  
## hostnameKepler-1403 NA  
## hostnameKepler-1404 NA  
## hostnameKepler-1405 NA  
## hostnameKepler-1406 NA  
## hostnameKepler-1407 NA  
## hostnameKepler-1408 NA  
## hostnameKepler-1409 NA  
## hostnameKepler-141 NA  
## hostnameKepler-1410 NA  
## hostnameKepler-1411 NA  
## hostnameKepler-1412 NA  
## hostnameKepler-1413 NA  
## hostnameKepler-1414 NA  
## hostnameKepler-1415 NA  
## hostnameKepler-1416 NA  
## hostnameKepler-1417 NA  
## hostnameKepler-1418 NA  
## hostnameKepler-1419 NA  
## hostnameKepler-142 NA  
## hostnameKepler-1420 NA  
## hostnameKepler-1421 NA  
## hostnameKepler-1422 NA  
## hostnameKepler-1423 NA  
## hostnameKepler-1424 NA  
## hostnameKepler-1425 NA  
## hostnameKepler-1426 NA  
## hostnameKepler-1427 NA  
## hostnameKepler-1428 NA  
## hostnameKepler-1429 NA  
## hostnameKepler-143 NA  
## hostnameKepler-1430 NA  
## hostnameKepler-1431 NA  
## hostnameKepler-1432 NA  
## hostnameKepler-1434 NA  
## hostnameKepler-1435 NA  
## hostnameKepler-1436 NA  
## hostnameKepler-1437 NA  
## hostnameKepler-1438 NA  
## hostnameKepler-1439 NA  
## hostnameKepler-144 NA  
## hostnameKepler-1440 NA  
## hostnameKepler-1441 NA  
## hostnameKepler-1442 NA  
## hostnameKepler-1443 NA  
## hostnameKepler-1444 NA  
## hostnameKepler-1445 NA  
## hostnameKepler-1446 NA  
## hostnameKepler-1447 NA  
## hostnameKepler-1448 NA  
## hostnameKepler-1449 NA  
## hostnameKepler-145 NA  
## hostnameKepler-1450 NA  
## hostnameKepler-1451 NA  
## hostnameKepler-1452 NA  
## hostnameKepler-1453 NA  
## hostnameKepler-1454 NA  
## hostnameKepler-1455 NA  
## hostnameKepler-1456 NA  
## hostnameKepler-1457 NA  
## hostnameKepler-1458 NA  
## hostnameKepler-1459 NA  
## hostnameKepler-146 NA  
## hostnameKepler-1460 NA  
## hostnameKepler-1461 NA  
## hostnameKepler-1462 NA  
## hostnameKepler-1463 NA  
## hostnameKepler-1464 NA  
## hostnameKepler-1465 NA  
## hostnameKepler-1466 NA  
## hostnameKepler-1467 NA  
## hostnameKepler-1468 NA  
## hostnameKepler-1469 NA  
## hostnameKepler-147 NA  
## hostnameKepler-1470 NA  
## hostnameKepler-1471 NA  
## hostnameKepler-1472 NA  
## hostnameKepler-1473 NA  
## hostnameKepler-1474 NA  
## hostnameKepler-1475 NA  
## hostnameKepler-1476 NA  
## hostnameKepler-1477 NA  
## hostnameKepler-1478 NA  
## hostnameKepler-1479 NA  
## hostnameKepler-148 NA  
## hostnameKepler-1480 NA  
## hostnameKepler-1481 NA  
## hostnameKepler-1482 NA  
## hostnameKepler-1483 NA  
## hostnameKepler-1484 NA  
## hostnameKepler-1485 NA  
## hostnameKepler-1486 NA  
## hostnameKepler-1487 NA  
## hostnameKepler-1488 NA  
## hostnameKepler-1489 NA  
## hostnameKepler-149 NA  
## hostnameKepler-1490 NA  
## hostnameKepler-1491 NA  
## hostnameKepler-1492 NA  
## hostnameKepler-1493 NA  
## hostnameKepler-1494 NA  
## hostnameKepler-1495 NA  
## hostnameKepler-1496 NA  
## hostnameKepler-1497 NA  
## hostnameKepler-1498 NA  
## hostnameKepler-1499 NA  
## hostnameKepler-15 NA  
## hostnameKepler-150 NA  
## hostnameKepler-1500 NA  
## hostnameKepler-1501 NA  
## hostnameKepler-1502 NA  
## hostnameKepler-1503 NA  
## hostnameKepler-1504 NA  
## hostnameKepler-1505 NA  
## hostnameKepler-1506 NA  
## hostnameKepler-1507 NA  
## hostnameKepler-1508 NA  
## hostnameKepler-1509 NA  
## hostnameKepler-151 NA  
## hostnameKepler-1510 NA  
## hostnameKepler-1511 NA  
## hostnameKepler-1512 NA  
## hostnameKepler-1513 NA  
## hostnameKepler-1514 NA  
## hostnameKepler-1515 NA  
## hostnameKepler-1516 NA  
## hostnameKepler-1517 NA  
## hostnameKepler-1518 NA  
## hostnameKepler-1519 NA  
## hostnameKepler-152 NA  
## hostnameKepler-1520 NA  
## hostnameKepler-1521 NA  
## hostnameKepler-1522 NA  
## hostnameKepler-1523 NA  
## hostnameKepler-1524 NA  
## hostnameKepler-1525 NA  
## hostnameKepler-1526 NA  
## hostnameKepler-1527 NA  
## hostnameKepler-1528 NA  
## hostnameKepler-1529 NA  
## hostnameKepler-153 NA  
## hostnameKepler-1530 NA  
## hostnameKepler-1531 NA  
## hostnameKepler-1532 NA  
## hostnameKepler-1533 NA  
## hostnameKepler-1534 NA  
## hostnameKepler-1535 NA  
## hostnameKepler-1536 NA  
## hostnameKepler-1537 NA  
## hostnameKepler-1538 NA  
## hostnameKepler-1539 NA  
## hostnameKepler-154 NA  
## hostnameKepler-1540 NA  
## hostnameKepler-1541 NA  
## hostnameKepler-1542 NA  
## hostnameKepler-1543 NA  
## hostnameKepler-1544 NA  
## hostnameKepler-1545 NA  
## hostnameKepler-1546 NA  
## hostnameKepler-1547 NA  
## hostnameKepler-1548 NA  
## hostnameKepler-1549 NA  
## hostnameKepler-155 NA  
## hostnameKepler-1550 NA  
## hostnameKepler-1551 NA  
## hostnameKepler-1552 NA  
## hostnameKepler-1553 NA  
## hostnameKepler-1554 NA  
## hostnameKepler-1555 NA  
## hostnameKepler-1556 NA  
## hostnameKepler-1557 NA  
## hostnameKepler-1558 NA  
## hostnameKepler-1559 NA  
## hostnameKepler-156 NA  
## hostnameKepler-1560 NA  
## hostnameKepler-1561 NA  
## hostnameKepler-1562 NA  
## hostnameKepler-1563 NA  
## hostnameKepler-1564 NA  
## hostnameKepler-1565 NA  
## hostnameKepler-1566 NA  
## hostnameKepler-1567 NA  
## hostnameKepler-1568 NA  
## hostnameKepler-1569 NA  
## hostnameKepler-157 NA  
## hostnameKepler-1570 NA  
## hostnameKepler-1571 NA  
## hostnameKepler-1572 NA  
## hostnameKepler-1573 NA  
## hostnameKepler-1574 NA  
## hostnameKepler-1575 NA  
## hostnameKepler-1576 NA  
## hostnameKepler-1577 NA  
## hostnameKepler-1578 NA  
## hostnameKepler-1579 NA  
## hostnameKepler-158 NA  
## hostnameKepler-1580 NA  
## hostnameKepler-1581 NA  
## hostnameKepler-1582 NA  
## hostnameKepler-1583 NA  
## hostnameKepler-1584 NA  
## hostnameKepler-1585 NA  
## hostnameKepler-1586 NA  
## hostnameKepler-1587 NA  
## hostnameKepler-1588 NA  
## hostnameKepler-1589 NA  
## hostnameKepler-159 NA  
## hostnameKepler-1590 NA  
## hostnameKepler-1591 NA  
## hostnameKepler-1592 NA  
## hostnameKepler-1593 NA  
## hostnameKepler-1594 NA  
## hostnameKepler-1595 NA  
## hostnameKepler-1596 NA  
## hostnameKepler-1597 NA  
## hostnameKepler-1598 NA  
## hostnameKepler-1599 NA  
## hostnameKepler-16 NA  
## hostnameKepler-160 NA  
## hostnameKepler-1600 NA  
## hostnameKepler-1601 NA  
## hostnameKepler-1602 NA  
## hostnameKepler-1603 NA  
## hostnameKepler-1604 NA  
## hostnameKepler-1605 NA  
## hostnameKepler-1606 NA  
## hostnameKepler-1607 NA  
## hostnameKepler-1608 NA  
## hostnameKepler-1609 NA  
## hostnameKepler-161 NA  
## hostnameKepler-1610 NA  
## hostnameKepler-1611 NA  
## hostnameKepler-1612 NA  
## hostnameKepler-1613 NA  
## hostnameKepler-1614 NA  
## hostnameKepler-1615 NA  
## hostnameKepler-1616 NA  
## hostnameKepler-1617 NA  
## hostnameKepler-1618 NA  
## hostnameKepler-1619 NA  
## hostnameKepler-162 NA  
## hostnameKepler-1620 NA  
## hostnameKepler-1621 NA  
## hostnameKepler-1622 NA  
## hostnameKepler-1623 NA  
## hostnameKepler-1624 NA  
## hostnameKepler-1625 NA  
## hostnameKepler-1626 NA  
## hostnameKepler-1627 NA  
## hostnameKepler-1628 NA  
## hostnameKepler-1629 NA  
## hostnameKepler-163 NA  
## hostnameKepler-1630 NA  
## hostnameKepler-1631 NA  
## hostnameKepler-1632 NA  
## hostnameKepler-1633 NA  
## hostnameKepler-1634 NA  
## hostnameKepler-1635 NA  
## hostnameKepler-1636 NA  
## hostnameKepler-1637 NA  
## hostnameKepler-1638 NA  
## hostnameKepler-1639 NA  
## hostnameKepler-164 NA  
## hostnameKepler-1640 NA  
## hostnameKepler-1641 NA  
## hostnameKepler-1642 NA  
## hostnameKepler-1643 NA  
## hostnameKepler-1644 NA  
## hostnameKepler-1645 NA  
## hostnameKepler-1646 NA  
## hostnameKepler-1647 NA  
## hostnameKepler-1649 NA  
## hostnameKepler-165 NA  
## hostnameKepler-1650 NA  
## hostnameKepler-1651 NA  
## hostnameKepler-1652 NA  
## hostnameKepler-1654 NA  
## hostnameKepler-1655 NA  
## hostnameKepler-1656 NA  
## hostnameKepler-1658 NA  
## hostnameKepler-166 NA  
## hostnameKepler-1661 NA  
## hostnameKepler-1663 NA  
## hostnameKepler-1664 NA  
## hostnameKepler-1665 NA  
## hostnameKepler-1666 NA  
## hostnameKepler-1667 NA  
## hostnameKepler-1668 NA  
## hostnameKepler-1669 NA  
## hostnameKepler-167 NA  
## hostnameKepler-1670 NA  
## hostnameKepler-1671 NA  
## hostnameKepler-1672 NA  
## hostnameKepler-1673 NA  
## hostnameKepler-1674 NA  
## hostnameKepler-1675 NA  
## hostnameKepler-1677 NA  
## hostnameKepler-1678 NA  
## hostnameKepler-1679 NA  
## hostnameKepler-168 NA  
## hostnameKepler-1680 NA  
## hostnameKepler-1681 NA  
## hostnameKepler-1682 NA  
## hostnameKepler-1683 NA  
## hostnameKepler-1684 NA  
## hostnameKepler-1685 NA  
## hostnameKepler-1686 NA  
## hostnameKepler-1687 NA  
## hostnameKepler-1688 NA  
## hostnameKepler-1689 NA  
## hostnameKepler-169 NA  
## hostnameKepler-1690 NA  
## hostnameKepler-1691 NA  
## hostnameKepler-1692 NA  
## hostnameKepler-1693 NA  
## hostnameKepler-1694 NA  
## hostnameKepler-1695 NA  
## hostnameKepler-1696 NA  
## hostnameKepler-1697 NA  
## hostnameKepler-1698 NA  
## hostnameKepler-1699 NA  
## hostnameKepler-17 NA  
## hostnameKepler-170 NA  
## hostnameKepler-1700 NA  
## hostnameKepler-1701 NA  
## hostnameKepler-1702 NA  
## hostnameKepler-1704 NA  
## hostnameKepler-1705 NA  
## hostnameKepler-1709 NA  
## hostnameKepler-171 NA  
## hostnameKepler-1710 NA  
## hostnameKepler-1711 NA  
## hostnameKepler-1712 NA  
## hostnameKepler-1713 NA  
## hostnameKepler-1714 NA  
## hostnameKepler-1715 NA  
## hostnameKepler-1716 NA  
## hostnameKepler-1717 NA  
## hostnameKepler-1718 NA  
## hostnameKepler-1719 NA  
## hostnameKepler-172 NA  
## hostnameKepler-1720 NA  
## hostnameKepler-1721 NA  
## hostnameKepler-1722 NA  
## hostnameKepler-1723 NA  
## hostnameKepler-1724 NA  
## hostnameKepler-1725 NA  
## hostnameKepler-1726 NA  
## hostnameKepler-1727 NA  
## hostnameKepler-1728 NA  
## hostnameKepler-1729 NA  
## hostnameKepler-173 NA  
## hostnameKepler-1730 NA  
## hostnameKepler-1731 NA  
## hostnameKepler-1732 NA  
## hostnameKepler-1733 NA  
## hostnameKepler-1734 NA  
## hostnameKepler-1735 NA  
## hostnameKepler-1736 NA  
## hostnameKepler-1738 NA  
## hostnameKepler-1739 NA  
## hostnameKepler-174 NA  
## hostnameKepler-1740 NA  
## hostnameKepler-1741 NA  
## hostnameKepler-1742 NA  
## hostnameKepler-1743 NA  
## hostnameKepler-1744 NA  
## hostnameKepler-1745 NA  
## hostnameKepler-1746 NA  
## hostnameKepler-1747 NA  
## hostnameKepler-1748 NA  
## hostnameKepler-1749 NA  
## hostnameKepler-175 NA  
## hostnameKepler-1750 NA  
## hostnameKepler-1751 NA  
## hostnameKepler-1752 NA  
## hostnameKepler-1753 NA  
## hostnameKepler-1754 NA  
## hostnameKepler-1755 NA  
## hostnameKepler-1757 NA  
## hostnameKepler-1758 NA  
## hostnameKepler-1759 NA  
## hostnameKepler-176 NA  
## hostnameKepler-1761 NA  
## hostnameKepler-1762 NA  
## hostnameKepler-1763 NA  
## hostnameKepler-1764 NA  
## hostnameKepler-1765 NA  
## hostnameKepler-1766 NA  
## hostnameKepler-1767 NA  
## hostnameKepler-1768 NA  
## hostnameKepler-1769 NA  
## hostnameKepler-177 NA  
## hostnameKepler-1770 NA  
## hostnameKepler-1771 NA  
## hostnameKepler-1772 NA  
## hostnameKepler-1773 NA  
## hostnameKepler-1774 NA  
## hostnameKepler-1775 NA  
## hostnameKepler-1776 NA  
## hostnameKepler-1777 NA  
## hostnameKepler-1778 NA  
## hostnameKepler-1779 NA  
## hostnameKepler-178 NA  
## hostnameKepler-1780 NA  
## hostnameKepler-1781 NA  
## hostnameKepler-1782 NA  
## hostnameKepler-1783 NA  
## hostnameKepler-1784 NA  
## hostnameKepler-1785 NA  
## hostnameKepler-1786 NA  
## hostnameKepler-1787 NA  
## hostnameKepler-1788 NA  
## hostnameKepler-1789 NA  
## hostnameKepler-179 NA  
## hostnameKepler-1790 NA  
## hostnameKepler-1791 NA  
## hostnameKepler-1792 NA  
## hostnameKepler-1793 NA  
## hostnameKepler-1794 NA  
## hostnameKepler-1796 NA  
## hostnameKepler-1797 NA  
## hostnameKepler-1798 NA  
## hostnameKepler-1799 NA  
## hostnameKepler-18 NA  
## hostnameKepler-180 NA  
## hostnameKepler-1800 NA  
## hostnameKepler-1801 NA  
## hostnameKepler-1802 NA  
## hostnameKepler-1804 NA  
## hostnameKepler-1805 NA  
## hostnameKepler-1806 NA  
## hostnameKepler-1807 NA  
## hostnameKepler-1808 NA  
## hostnameKepler-1809 NA  
## hostnameKepler-181 NA  
## hostnameKepler-1810 NA  
## hostnameKepler-1811 NA  
## hostnameKepler-1812 NA  
## hostnameKepler-1814 NA  
## hostnameKepler-1815 NA  
## hostnameKepler-1816 NA  
## hostnameKepler-1817 NA  
## hostnameKepler-1818 NA  
## hostnameKepler-1819 NA  
## hostnameKepler-182 NA  
## hostnameKepler-1820 NA  
## hostnameKepler-1821 NA  
## hostnameKepler-1822 NA  
## hostnameKepler-1823 NA  
## hostnameKepler-1824 NA  
## hostnameKepler-1825 NA  
## hostnameKepler-1826 NA  
## hostnameKepler-1827 NA  
## hostnameKepler-1828 NA  
## hostnameKepler-1829 NA  
## hostnameKepler-183 NA  
## hostnameKepler-1830 NA  
## hostnameKepler-1831 NA  
## hostnameKepler-1832 NA  
## hostnameKepler-1833 NA  
## hostnameKepler-1834 NA  
## hostnameKepler-1835 NA  
## hostnameKepler-1836 NA  
## hostnameKepler-1837 NA  
## hostnameKepler-1838 NA  
## hostnameKepler-1839 NA  
## hostnameKepler-184 NA  
## hostnameKepler-1840 NA  
## hostnameKepler-1841 NA  
## hostnameKepler-1842 NA  
## hostnameKepler-1843 NA  
## hostnameKepler-1844 NA  
## hostnameKepler-1845 NA  
## hostnameKepler-1846 NA  
## hostnameKepler-1847 NA  
## hostnameKepler-1848 NA  
## hostnameKepler-1849 NA  
## hostnameKepler-185 NA  
## hostnameKepler-1850 NA  
## hostnameKepler-1851 NA  
## hostnameKepler-1852 NA  
## hostnameKepler-1853 NA  
## hostnameKepler-1854 NA  
## hostnameKepler-1856 NA  
## hostnameKepler-1857 NA  
## hostnameKepler-1858 NA  
## hostnameKepler-1859 NA  
## hostnameKepler-186 NA  
## hostnameKepler-1860 NA  
## hostnameKepler-1861 NA  
## hostnameKepler-1862 NA  
## hostnameKepler-1863 NA  
## hostnameKepler-1864 NA  
## hostnameKepler-1865 NA  
## hostnameKepler-1866 NA  
## hostnameKepler-1867 NA  
## hostnameKepler-1868 NA  
## hostnameKepler-1869 NA  
## hostnameKepler-187 NA  
## hostnameKepler-1870 NA  
## hostnameKepler-1871 NA  
## hostnameKepler-1872 NA  
## hostnameKepler-1873 NA  
## hostnameKepler-1874 NA  
## hostnameKepler-1875 NA  
## hostnameKepler-1876 NA  
## hostnameKepler-1877 NA  
## hostnameKepler-1878 NA  
## hostnameKepler-1879 NA  
## hostnameKepler-188 NA  
## hostnameKepler-1880 NA  
## hostnameKepler-1881 NA  
## hostnameKepler-1882 NA  
## hostnameKepler-1883 NA  
## hostnameKepler-1884 NA  
## hostnameKepler-1885 NA  
## hostnameKepler-1886 NA  
## hostnameKepler-1887 NA  
## hostnameKepler-1888 NA  
## hostnameKepler-1889 NA  
## hostnameKepler-189 NA  
## hostnameKepler-1890 NA  
## hostnameKepler-1891 NA  
## hostnameKepler-1892 NA  
## hostnameKepler-1893 NA  
## hostnameKepler-1894 NA  
## hostnameKepler-1895 NA  
## hostnameKepler-1896 NA  
## hostnameKepler-1897 NA  
## hostnameKepler-1898 NA  
## hostnameKepler-1899 NA  
## hostnameKepler-19 NA  
## hostnameKepler-190 NA  
## hostnameKepler-1900 NA  
## hostnameKepler-1901 NA  
## hostnameKepler-1902 NA  
## hostnameKepler-1903 NA  
## hostnameKepler-1904 NA  
## hostnameKepler-1905 NA  
## hostnameKepler-1906 NA  
## hostnameKepler-1907 NA  
## hostnameKepler-1909 NA  
## hostnameKepler-191 NA  
## hostnameKepler-1911 NA  
## hostnameKepler-1912 NA  
## hostnameKepler-1913 NA  
## hostnameKepler-1914 NA  
## hostnameKepler-1915 NA  
## hostnameKepler-1916 NA  
## hostnameKepler-1917 NA  
## hostnameKepler-1918 NA  
## hostnameKepler-1919 NA  
## hostnameKepler-192 NA  
## hostnameKepler-1920 NA  
## hostnameKepler-1921 NA  
## hostnameKepler-1922 NA  
## hostnameKepler-1923 NA  
## hostnameKepler-1924 NA  
## hostnameKepler-1925 NA  
## hostnameKepler-1926 NA  
## hostnameKepler-1927 NA  
## hostnameKepler-1928 NA  
## hostnameKepler-1929 NA  
## hostnameKepler-193 NA  
## hostnameKepler-1930 NA  
## hostnameKepler-1931 NA  
## hostnameKepler-1932 NA  
## hostnameKepler-1933 NA  
## hostnameKepler-1934 NA  
## hostnameKepler-1935 NA  
## hostnameKepler-1936 NA  
## hostnameKepler-1937 NA  
## hostnameKepler-1938 NA  
## hostnameKepler-1939 NA  
## hostnameKepler-194 NA  
## hostnameKepler-1940 NA  
## hostnameKepler-1941 NA  
## hostnameKepler-1942 NA  
## hostnameKepler-1943 NA  
## hostnameKepler-1944 NA  
## hostnameKepler-1946 NA  
## hostnameKepler-1947 NA  
## hostnameKepler-1948 NA  
## hostnameKepler-1949 NA  
## hostnameKepler-195 NA  
## hostnameKepler-1950 NA  
## hostnameKepler-1951 NA  
## hostnameKepler-1952 NA  
## hostnameKepler-1953 NA  
## hostnameKepler-1954 NA  
## hostnameKepler-1955 NA  
## hostnameKepler-1956 NA  
## hostnameKepler-1957 NA  
## hostnameKepler-1958 NA  
## hostnameKepler-1959 NA  
## hostnameKepler-196 NA  
## hostnameKepler-1960 NA  
## hostnameKepler-1961 NA  
## hostnameKepler-1962 NA  
## hostnameKepler-1963 NA  
## hostnameKepler-1965 NA  
## hostnameKepler-1966 NA  
## hostnameKepler-1967 NA  
## hostnameKepler-1968 NA  
## hostnameKepler-1969 NA  
## hostnameKepler-197 NA  
## hostnameKepler-1972 NA  
## hostnameKepler-1977 NA  
## hostnameKepler-1978 NA  
## hostnameKepler-1979 NA  
## hostnameKepler-198 NA  
## hostnameKepler-1980 NA  
## hostnameKepler-1981 NA  
## hostnameKepler-1982 NA  
## hostnameKepler-1983 NA  
## hostnameKepler-1986 NA  
## hostnameKepler-1987 NA  
## hostnameKepler-1988 NA  
## hostnameKepler-1989 NA  
## hostnameKepler-199 NA  
## hostnameKepler-1990 NA  
## hostnameKepler-1991 NA  
## hostnameKepler-1992 NA  
## hostnameKepler-1993 NA  
## hostnameKepler-1994 NA  
## hostnameKepler-1995 NA  
## hostnameKepler-1996 NA  
## hostnameKepler-1997 NA  
## hostnameKepler-1998 NA  
## hostnameKepler-1999 NA  
## hostnameKepler-20 NA  
## hostnameKepler-200 NA  
## hostnameKepler-2000 NA  
## hostnameKepler-2001 NA  
## hostnameKepler-201 NA  
## hostnameKepler-202 NA  
## hostnameKepler-203 NA  
## hostnameKepler-204 NA  
## hostnameKepler-205 NA  
## hostnameKepler-206 NA  
## hostnameKepler-207 NA  
## hostnameKepler-208 NA  
## hostnameKepler-209 NA  
## hostnameKepler-21 NA  
## hostnameKepler-210 NA  
## hostnameKepler-211 NA  
## hostnameKepler-212 NA  
## hostnameKepler-213 NA  
## hostnameKepler-214 NA  
## hostnameKepler-215 NA  
## hostnameKepler-216 NA  
## hostnameKepler-217 NA  
## hostnameKepler-218 NA  
## hostnameKepler-219 NA  
## hostnameKepler-22 NA  
## hostnameKepler-220 NA  
## hostnameKepler-221 NA  
## hostnameKepler-222 NA  
## hostnameKepler-223 NA  
## hostnameKepler-224 NA  
## hostnameKepler-225 NA  
## hostnameKepler-226 NA  
## hostnameKepler-227 NA  
## hostnameKepler-228 NA  
## hostnameKepler-229 NA  
## hostnameKepler-23 NA  
## hostnameKepler-230 NA  
## hostnameKepler-231 NA  
## hostnameKepler-232 NA  
## hostnameKepler-233 NA  
## hostnameKepler-234 NA  
## hostnameKepler-235 NA  
## hostnameKepler-236 NA  
## hostnameKepler-237 NA  
## hostnameKepler-238 NA  
## hostnameKepler-239 NA  
## hostnameKepler-24 NA  
## hostnameKepler-240 NA  
## hostnameKepler-241 NA  
## hostnameKepler-242 NA  
## hostnameKepler-243 NA  
## hostnameKepler-244 NA  
## hostnameKepler-245 NA  
## hostnameKepler-246 NA  
## hostnameKepler-247 NA  
## hostnameKepler-248 NA  
## hostnameKepler-249 NA  
## hostnameKepler-25 NA  
## hostnameKepler-250 NA  
## hostnameKepler-251 NA  
## hostnameKepler-252 NA  
## hostnameKepler-253 NA  
## hostnameKepler-254 NA  
## hostnameKepler-255 NA  
## hostnameKepler-256 NA  
## hostnameKepler-257 NA  
## hostnameKepler-258 NA  
## hostnameKepler-259 NA  
## hostnameKepler-26 NA  
## hostnameKepler-260 NA  
## hostnameKepler-261 NA  
## hostnameKepler-262 NA  
## hostnameKepler-263 NA  
## hostnameKepler-264 NA  
## hostnameKepler-265 NA  
## hostnameKepler-266 NA  
## hostnameKepler-267 NA  
## hostnameKepler-268 NA  
## hostnameKepler-269 NA  
## hostnameKepler-27 NA  
## hostnameKepler-270 NA  
## hostnameKepler-271 NA  
## hostnameKepler-272 NA  
## hostnameKepler-273 NA  
## hostnameKepler-274 NA  
## hostnameKepler-275 NA  
## hostnameKepler-276 NA  
## hostnameKepler-277 NA  
## hostnameKepler-278 NA  
## hostnameKepler-279 NA  
## hostnameKepler-280 NA  
## hostnameKepler-281 NA  
## hostnameKepler-282 NA  
## hostnameKepler-283 NA  
## hostnameKepler-284 NA  
## hostnameKepler-285 NA  
## hostnameKepler-286 NA  
## hostnameKepler-287 NA  
## hostnameKepler-288 NA  
## hostnameKepler-289 NA  
## hostnameKepler-29 NA  
## hostnameKepler-290 NA  
## hostnameKepler-291 NA  
## hostnameKepler-292 NA  
## hostnameKepler-293 NA  
## hostnameKepler-294 NA  
## hostnameKepler-295 NA  
## hostnameKepler-296 NA  
## hostnameKepler-297 NA  
## hostnameKepler-298 NA  
## hostnameKepler-299 NA  
## hostnameKepler-30 NA  
## hostnameKepler-300 NA  
## hostnameKepler-301 NA  
## hostnameKepler-302 NA  
## hostnameKepler-303 NA  
## hostnameKepler-304 NA  
## hostnameKepler-305 NA  
## hostnameKepler-306 NA  
## hostnameKepler-307 NA  
## hostnameKepler-308 NA  
## hostnameKepler-309 NA  
## hostnameKepler-31 NA  
## hostnameKepler-310 NA  
## hostnameKepler-311 NA  
## hostnameKepler-312 NA  
## hostnameKepler-313 NA  
## hostnameKepler-314 NA  
## hostnameKepler-315 NA  
## hostnameKepler-316 NA  
## hostnameKepler-317 NA  
## hostnameKepler-318 NA  
## hostnameKepler-319 NA  
## hostnameKepler-32 NA  
## hostnameKepler-320 NA  
## hostnameKepler-321 NA  
## hostnameKepler-322 NA  
## hostnameKepler-323 NA  
## hostnameKepler-324 NA  
## hostnameKepler-325 NA  
## hostnameKepler-326 NA  
## hostnameKepler-327 NA  
## hostnameKepler-328 NA  
## hostnameKepler-329 NA  
## hostnameKepler-33 NA  
## hostnameKepler-330 NA  
## hostnameKepler-331 NA  
## hostnameKepler-332 NA  
## hostnameKepler-333 NA  
## hostnameKepler-334 NA  
## hostnameKepler-335 NA  
## hostnameKepler-336 NA  
## hostnameKepler-337 NA  
## hostnameKepler-338 NA  
## hostnameKepler-339 NA  
## hostnameKepler-34 NA  
## hostnameKepler-340 NA  
## hostnameKepler-341 NA  
## hostnameKepler-342 NA  
## hostnameKepler-343 NA  
## hostnameKepler-344 NA  
## hostnameKepler-345 NA  
## hostnameKepler-346 NA  
## hostnameKepler-347 NA  
## hostnameKepler-348 NA  
## hostnameKepler-349 NA  
## hostnameKepler-35 NA  
## hostnameKepler-350 NA  
## hostnameKepler-351 NA  
## hostnameKepler-352 NA  
## hostnameKepler-353 NA  
## hostnameKepler-354 NA  
## hostnameKepler-355 NA  
## hostnameKepler-356 NA  
## hostnameKepler-357 NA  
## hostnameKepler-358 NA  
## hostnameKepler-359 NA  
## hostnameKepler-36 NA  
## hostnameKepler-360 NA  
## hostnameKepler-361 NA  
## hostnameKepler-362 NA  
## hostnameKepler-363 NA  
## hostnameKepler-364 NA  
## hostnameKepler-366 NA  
## hostnameKepler-367 NA  
## hostnameKepler-368 NA  
## hostnameKepler-369 NA  
## hostnameKepler-37 NA  
## hostnameKepler-370 NA  
## hostnameKepler-371 NA  
## hostnameKepler-372 NA  
## hostnameKepler-373 NA  
## hostnameKepler-374 NA  
## hostnameKepler-375 NA  
## hostnameKepler-376 NA  
## hostnameKepler-377 NA  
## hostnameKepler-378 NA  
## hostnameKepler-379 NA  
## hostnameKepler-380 NA  
## hostnameKepler-381 NA  
## hostnameKepler-382 NA  
## hostnameKepler-383 NA  
## hostnameKepler-384 NA  
## hostnameKepler-385 NA  
## hostnameKepler-386 NA  
## hostnameKepler-387 NA  
## hostnameKepler-388 NA  
## hostnameKepler-389 NA  
## hostnameKepler-39 NA  
## hostnameKepler-390 NA  
## hostnameKepler-391 NA  
## hostnameKepler-392 NA  
## hostnameKepler-393 NA  
## hostnameKepler-394 NA  
## hostnameKepler-395 NA  
## hostnameKepler-396 NA  
## hostnameKepler-398 NA  
## hostnameKepler-399 NA  
## hostnameKepler-4 NA  
## hostnameKepler-40 NA  
## hostnameKepler-400 NA  
## hostnameKepler-401 NA  
## hostnameKepler-402 NA  
## hostnameKepler-403 NA  
## hostnameKepler-404 NA  
## hostnameKepler-405 NA  
## hostnameKepler-406 NA  
## hostnameKepler-409 NA  
## hostnameKepler-41 NA  
## hostnameKepler-410 A NA  
## hostnameKepler-411 NA  
## hostnameKepler-412 NA  
## hostnameKepler-413 NA  
## hostnameKepler-414 NA  
## hostnameKepler-415 NA  
## hostnameKepler-416 NA  
## hostnameKepler-417 NA  
## hostnameKepler-418 NA  
## hostnameKepler-419 NA  
## hostnameKepler-42 NA  
## hostnameKepler-421 NA  
## hostnameKepler-422 NA  
## hostnameKepler-423 NA  
## hostnameKepler-424 NA  
## hostnameKepler-425 NA  
## hostnameKepler-426 NA  
## hostnameKepler-427 NA  
## hostnameKepler-428 NA  
## hostnameKepler-43 NA  
## hostnameKepler-430 NA  
## hostnameKepler-431 NA  
## hostnameKepler-432 NA  
## hostnameKepler-433 NA  
## hostnameKepler-434 NA  
## hostnameKepler-435 NA  
## hostnameKepler-436 NA  
## hostnameKepler-437 NA  
## hostnameKepler-438 NA  
## hostnameKepler-439 NA  
## hostnameKepler-44 NA  
## hostnameKepler-440 NA  
## hostnameKepler-441 NA  
## hostnameKepler-442 NA  
## hostnameKepler-443 NA  
## hostnameKepler-444 NA  
## hostnameKepler-445 NA  
## hostnameKepler-446 NA  
## hostnameKepler-447 NA  
## hostnameKepler-449 NA  
## hostnameKepler-45 NA  
## hostnameKepler-450 NA  
## hostnameKepler-452 NA  
## hostnameKepler-454 NA  
## hostnameKepler-46 NA  
## hostnameKepler-461 NA  
## hostnameKepler-462 NA  
## hostnameKepler-463 NA  
## hostnameKepler-464 NA  
## hostnameKepler-465 NA  
## hostnameKepler-466 NA  
## hostnameKepler-467 NA  
## hostnameKepler-47 NA  
## hostnameKepler-470 NA  
## hostnameKepler-471 NA  
## hostnameKepler-472 NA  
## hostnameKepler-473 NA  
## hostnameKepler-474 NA  
## hostnameKepler-475 NA  
## hostnameKepler-476 NA  
## hostnameKepler-478 NA  
## hostnameKepler-479 NA  
## hostnameKepler-48 NA  
## hostnameKepler-480 NA  
## hostnameKepler-481 NA  
## hostnameKepler-482 NA  
## hostnameKepler-483 NA  
## hostnameKepler-484 NA  
## hostnameKepler-485 NA  
## hostnameKepler-487 NA  
## hostnameKepler-488 NA  
## hostnameKepler-489 NA  
## hostnameKepler-49 NA  
## hostnameKepler-491 NA  
## hostnameKepler-493 NA  
## hostnameKepler-494 NA  
## hostnameKepler-495 NA  
## hostnameKepler-496 NA  
## hostnameKepler-497 NA  
## hostnameKepler-498 NA  
## hostnameKepler-499 NA  
## hostnameKepler-5 NA  
## hostnameKepler-500 NA  
## hostnameKepler-501 NA  
## hostnameKepler-502 NA  
## hostnameKepler-504 NA  
## hostnameKepler-505 NA  
## hostnameKepler-506 NA  
## hostnameKepler-507 NA  
## hostnameKepler-508 NA  
## hostnameKepler-509 NA  
## hostnameKepler-51 NA  
## hostnameKepler-510 NA  
## hostnameKepler-511 NA  
## hostnameKepler-512 NA  
## hostnameKepler-513 NA  
## hostnameKepler-514 NA  
## hostnameKepler-516 NA  
## hostnameKepler-517 NA  
## hostnameKepler-518 NA  
## hostnameKepler-519 NA  
## hostnameKepler-52 NA  
## hostnameKepler-520 NA  
## hostnameKepler-521 NA  
## hostnameKepler-522 NA  
## hostnameKepler-523 NA  
## hostnameKepler-524 NA  
## hostnameKepler-525 NA  
## hostnameKepler-526 NA  
## hostnameKepler-527 NA  
## hostnameKepler-528 NA  
## hostnameKepler-529 NA  
## hostnameKepler-53 NA  
## hostnameKepler-530 NA  
## hostnameKepler-531 NA  
## hostnameKepler-532 NA  
## hostnameKepler-533 NA  
## hostnameKepler-534 NA  
## hostnameKepler-535 NA  
## hostnameKepler-536 NA  
## hostnameKepler-537 NA  
## hostnameKepler-538 NA  
## hostnameKepler-539 NA  
## hostnameKepler-54 NA  
## hostnameKepler-540 NA  
## hostnameKepler-541 NA  
## hostnameKepler-542 NA  
## hostnameKepler-543 NA  
## hostnameKepler-544 NA  
## hostnameKepler-545 NA  
## hostnameKepler-546 NA  
## hostnameKepler-547 NA  
## hostnameKepler-549 NA  
## hostnameKepler-55 NA  
## hostnameKepler-550 NA  
## hostnameKepler-551 NA  
## hostnameKepler-552 NA  
## hostnameKepler-553 NA  
## hostnameKepler-554 NA  
## hostnameKepler-555 NA  
## hostnameKepler-556 NA  
## hostnameKepler-557 NA  
## hostnameKepler-558 NA  
## hostnameKepler-559 NA  
## hostnameKepler-56 NA  
## hostnameKepler-560 NA  
## hostnameKepler-561 NA  
## hostnameKepler-562 NA  
## hostnameKepler-563 NA  
## hostnameKepler-564 NA  
## hostnameKepler-566 NA  
## hostnameKepler-567 NA  
## hostnameKepler-568 NA  
## hostnameKepler-569 NA  
## hostnameKepler-570 NA  
## hostnameKepler-571 NA  
## hostnameKepler-572 NA  
## hostnameKepler-573 NA  
## hostnameKepler-574 NA  
## hostnameKepler-575 NA  
## hostnameKepler-576 NA  
## hostnameKepler-577 NA  
## hostnameKepler-578 NA  
## hostnameKepler-579 NA  
## hostnameKepler-58 NA  
## hostnameKepler-580 NA  
## hostnameKepler-581 NA  
## hostnameKepler-582 NA  
## hostnameKepler-583 NA  
## hostnameKepler-584 NA  
## hostnameKepler-585 NA  
## hostnameKepler-586 NA  
## hostnameKepler-587 NA  
## hostnameKepler-588 NA  
## hostnameKepler-589 NA  
## hostnameKepler-59 NA  
## hostnameKepler-590 NA  
## hostnameKepler-591 NA  
## hostnameKepler-592 NA  
## hostnameKepler-593 NA  
## hostnameKepler-594 NA  
## hostnameKepler-595 NA  
## hostnameKepler-596 NA  
## hostnameKepler-597 NA  
## hostnameKepler-598 NA  
## hostnameKepler-599 NA  
## hostnameKepler-6 NA  
## hostnameKepler-60 NA  
## hostnameKepler-600 NA  
## hostnameKepler-601 NA  
## hostnameKepler-602 NA  
## hostnameKepler-603 NA  
## hostnameKepler-604 NA  
## hostnameKepler-605 NA  
## hostnameKepler-606 NA  
## hostnameKepler-607 NA  
## hostnameKepler-608 NA  
## hostnameKepler-609 NA  
## hostnameKepler-61 NA  
## hostnameKepler-610 NA  
## hostnameKepler-611 NA  
## hostnameKepler-612 NA  
## hostnameKepler-613 NA  
## hostnameKepler-614 NA  
## hostnameKepler-615 NA  
## hostnameKepler-616 NA  
## hostnameKepler-617 NA  
## hostnameKepler-618 NA  
## hostnameKepler-619 NA  
## hostnameKepler-620 NA  
## hostnameKepler-621 NA  
## hostnameKepler-622 NA  
## hostnameKepler-623 NA  
## hostnameKepler-624 NA  
## hostnameKepler-625 NA  
## hostnameKepler-626 NA  
## hostnameKepler-627 NA  
## hostnameKepler-628 NA  
## hostnameKepler-629 NA  
## hostnameKepler-63 NA  
## hostnameKepler-630 NA  
## hostnameKepler-631 NA  
## hostnameKepler-634 NA  
## hostnameKepler-635 NA  
## hostnameKepler-637 NA  
## hostnameKepler-638 NA  
## hostnameKepler-639 NA  
## hostnameKepler-640 NA  
## hostnameKepler-641 NA  
## hostnameKepler-642 NA  
## hostnameKepler-643 NA  
## hostnameKepler-644 NA  
## hostnameKepler-645 NA  
## hostnameKepler-646 NA  
## hostnameKepler-647 NA  
## hostnameKepler-648 NA  
## hostnameKepler-649 NA  
## hostnameKepler-65 NA  
## hostnameKepler-650 NA  
## hostnameKepler-651 NA  
## hostnameKepler-652 NA  
## hostnameKepler-653 NA  
## hostnameKepler-654 NA  
## hostnameKepler-655 NA  
## hostnameKepler-656 NA  
## hostnameKepler-657 NA  
## hostnameKepler-658 NA  
## hostnameKepler-659 NA  
## hostnameKepler-66 NA  
## hostnameKepler-660 NA  
## hostnameKepler-661 NA  
## hostnameKepler-662 NA  
## hostnameKepler-663 NA  
## hostnameKepler-664 NA  
## hostnameKepler-665 NA  
## hostnameKepler-666 NA  
## hostnameKepler-667 NA  
## hostnameKepler-668 NA  
## hostnameKepler-669 NA  
## hostnameKepler-67 NA  
## hostnameKepler-671 NA  
## hostnameKepler-672 NA  
## hostnameKepler-673 NA  
## hostnameKepler-674 NA  
## hostnameKepler-675 NA  
## hostnameKepler-676 NA  
## hostnameKepler-677 NA  
## hostnameKepler-678 NA  
## hostnameKepler-679 NA  
## hostnameKepler-68 NA  
## hostnameKepler-680 NA  
## hostnameKepler-681 NA  
## hostnameKepler-682 NA  
## hostnameKepler-683 NA  
## hostnameKepler-684 NA  
## hostnameKepler-685 NA  
## hostnameKepler-687 NA  
## hostnameKepler-688 NA  
## hostnameKepler-689 NA  
## hostnameKepler-69 NA  
## hostnameKepler-690 NA  
## hostnameKepler-691 NA  
## hostnameKepler-692 NA  
## hostnameKepler-693 NA  
## hostnameKepler-694 NA  
## hostnameKepler-695 NA  
## hostnameKepler-696 NA  
## hostnameKepler-697 NA  
## hostnameKepler-698 NA  
## hostnameKepler-7 NA  
## hostnameKepler-700 NA  
## hostnameKepler-701 NA  
## hostnameKepler-702 NA  
## hostnameKepler-703 NA  
## hostnameKepler-704 NA  
## hostnameKepler-705 NA  
## hostnameKepler-707 NA  
## hostnameKepler-708 NA  
## hostnameKepler-709 NA  
## hostnameKepler-710 NA  
## hostnameKepler-711 NA  
## hostnameKepler-712 NA  
## hostnameKepler-713 NA  
## hostnameKepler-714 NA  
## hostnameKepler-715 NA  
## hostnameKepler-716 NA  
## hostnameKepler-717 NA  
## hostnameKepler-718 NA  
## hostnameKepler-719 NA  
## hostnameKepler-720 NA  
## hostnameKepler-721 NA  
## hostnameKepler-722 NA  
## hostnameKepler-724 NA  
## hostnameKepler-725 NA  
## hostnameKepler-726 NA  
## hostnameKepler-727 NA  
## hostnameKepler-728 NA  
## hostnameKepler-729 NA  
## hostnameKepler-730 NA  
## hostnameKepler-732 NA  
## hostnameKepler-733 NA  
## hostnameKepler-734 NA  
## hostnameKepler-735 NA  
## hostnameKepler-736 NA  
## hostnameKepler-737 NA  
## hostnameKepler-738 NA  
## hostnameKepler-739 NA  
## hostnameKepler-74 NA  
## hostnameKepler-740 NA  
## hostnameKepler-741 NA  
## hostnameKepler-742 NA  
## hostnameKepler-743 NA  
## hostnameKepler-744 NA  
## hostnameKepler-745 NA  
## hostnameKepler-746 NA  
## hostnameKepler-747 NA  
## hostnameKepler-748 NA  
## hostnameKepler-749 NA  
## hostnameKepler-75 NA  
## hostnameKepler-750 NA  
## hostnameKepler-751 NA  
## hostnameKepler-752 NA  
## hostnameKepler-753 NA  
## hostnameKepler-754 NA  
## hostnameKepler-755 NA  
## hostnameKepler-756 NA  
## hostnameKepler-757 NA  
## hostnameKepler-758 NA  
## hostnameKepler-759 NA  
## hostnameKepler-76 NA  
## hostnameKepler-760 NA  
## hostnameKepler-761 NA  
## hostnameKepler-763 NA  
## hostnameKepler-764 NA  
## hostnameKepler-765 NA  
## hostnameKepler-766 NA  
## hostnameKepler-767 NA  
## hostnameKepler-768 NA  
## hostnameKepler-769 NA  
## hostnameKepler-77 NA  
## hostnameKepler-770 NA  
## hostnameKepler-771 NA  
## hostnameKepler-772 NA  
## hostnameKepler-773 NA  
## hostnameKepler-774 NA  
## hostnameKepler-775 NA  
## hostnameKepler-776 NA  
## hostnameKepler-777 NA  
## hostnameKepler-778 NA  
## hostnameKepler-779 NA  
## hostnameKepler-78 NA  
## hostnameKepler-780 NA  
## hostnameKepler-781 NA  
## hostnameKepler-782 NA  
## hostnameKepler-783 NA  
## hostnameKepler-784 NA  
## hostnameKepler-786 NA  
## hostnameKepler-787 NA  
## hostnameKepler-788 NA  
## hostnameKepler-789 NA  
## hostnameKepler-79 NA  
## hostnameKepler-790 NA  
## hostnameKepler-791 NA  
## hostnameKepler-792 NA  
## hostnameKepler-793 NA  
## hostnameKepler-794 NA  
## hostnameKepler-795 NA  
## hostnameKepler-796 NA  
## hostnameKepler-797 NA  
## hostnameKepler-798 NA  
## hostnameKepler-8 NA  
## hostnameKepler-80 NA  
## hostnameKepler-800 NA  
## hostnameKepler-801 NA  
## hostnameKepler-802 NA  
## hostnameKepler-803 NA  
## hostnameKepler-804 NA  
## hostnameKepler-805 NA  
## hostnameKepler-806 NA  
## hostnameKepler-807 NA  
## hostnameKepler-808 NA  
## hostnameKepler-809 NA  
## hostnameKepler-81 NA  
## hostnameKepler-810 NA  
## hostnameKepler-811 NA  
## hostnameKepler-812 NA  
## hostnameKepler-813 NA  
## hostnameKepler-814 NA  
## hostnameKepler-815 NA  
## hostnameKepler-816 NA  
## hostnameKepler-817 NA  
## hostnameKepler-818 NA  
## hostnameKepler-819 NA  
## hostnameKepler-82 NA  
## hostnameKepler-820 NA  
## hostnameKepler-821 NA  
## hostnameKepler-822 NA  
## hostnameKepler-823 NA  
## hostnameKepler-824 NA  
## hostnameKepler-825 NA  
## hostnameKepler-826 NA  
## hostnameKepler-827 NA  
## hostnameKepler-828 NA  
## hostnameKepler-829 NA  
## hostnameKepler-83 NA  
## hostnameKepler-830 NA  
## hostnameKepler-831 NA  
## hostnameKepler-832 NA  
## hostnameKepler-833 NA  
## hostnameKepler-834 NA  
## hostnameKepler-835 NA  
## hostnameKepler-836 NA  
## hostnameKepler-837 NA  
## hostnameKepler-838 NA  
## hostnameKepler-839 NA  
## hostnameKepler-84 NA  
## hostnameKepler-841 NA  
## hostnameKepler-842 NA  
## hostnameKepler-843 NA  
## hostnameKepler-844 NA  
## hostnameKepler-845 NA  
## hostnameKepler-846 NA  
## hostnameKepler-847 NA  
## hostnameKepler-848 NA  
## hostnameKepler-849 NA  
## hostnameKepler-85 NA  
## hostnameKepler-850 NA  
## hostnameKepler-851 NA  
## hostnameKepler-852 NA  
## hostnameKepler-853 NA  
## hostnameKepler-855 NA  
## hostnameKepler-856 NA  
## hostnameKepler-857 NA  
## hostnameKepler-858 NA  
## hostnameKepler-859 NA  
## hostnameKepler-860 NA  
## hostnameKepler-861 NA  
## hostnameKepler-862 NA  
## hostnameKepler-863 NA  
## hostnameKepler-864 NA  
## hostnameKepler-865 NA  
## hostnameKepler-866 NA  
## hostnameKepler-867 NA  
## hostnameKepler-868 NA  
## hostnameKepler-869 NA  
## hostnameKepler-87 NA  
## hostnameKepler-870 NA  
## hostnameKepler-871 NA  
## hostnameKepler-872 NA  
## hostnameKepler-873 NA  
## hostnameKepler-874 NA  
## hostnameKepler-875 NA  
## hostnameKepler-876 NA  
## hostnameKepler-877 NA  
## hostnameKepler-878 NA  
## hostnameKepler-879 NA  
## hostnameKepler-880 NA  
## hostnameKepler-881 NA  
## hostnameKepler-882 NA  
## hostnameKepler-883 NA  
## hostnameKepler-884 NA  
## hostnameKepler-885 NA  
## hostnameKepler-886 NA  
## hostnameKepler-887 NA  
## hostnameKepler-888 NA  
## hostnameKepler-889 NA  
## hostnameKepler-890 NA  
## hostnameKepler-891 NA  
## hostnameKepler-892 NA  
## hostnameKepler-893 NA  
## hostnameKepler-894 NA  
## hostnameKepler-895 NA  
## hostnameKepler-896 NA  
## hostnameKepler-897 NA  
## hostnameKepler-898 NA  
## hostnameKepler-899 NA  
## hostnameKepler-9 NA  
## hostnameKepler-900 NA  
## hostnameKepler-901 NA  
## hostnameKepler-902 NA  
## hostnameKepler-903 NA  
## hostnameKepler-904 NA  
## hostnameKepler-905 NA  
## hostnameKepler-906 NA  
## hostnameKepler-907 NA  
## hostnameKepler-908 NA  
## hostnameKepler-909 NA  
## hostnameKepler-91 NA  
## hostnameKepler-910 NA  
## hostnameKepler-911 NA  
## hostnameKepler-912 NA  
## hostnameKepler-913 NA  
## hostnameKepler-914 NA  
## hostnameKepler-915 NA  
## hostnameKepler-916 NA  
## hostnameKepler-917 NA  
## hostnameKepler-918 NA  
## hostnameKepler-919 NA  
## hostnameKepler-92 NA  
## hostnameKepler-920 NA  
## hostnameKepler-921 NA  
## hostnameKepler-922 NA  
## hostnameKepler-923 NA  
## hostnameKepler-924 NA  
## hostnameKepler-925 NA  
## hostnameKepler-926 NA  
## hostnameKepler-927 NA  
## hostnameKepler-928 NA  
## hostnameKepler-929 NA  
## hostnameKepler-93 NA  
## hostnameKepler-930 NA  
## hostnameKepler-931 NA  
## hostnameKepler-932 NA  
## hostnameKepler-933 NA  
## hostnameKepler-934 NA  
## hostnameKepler-935 NA  
## hostnameKepler-936 NA  
## hostnameKepler-937 NA  
## hostnameKepler-939 NA  
## hostnameKepler-94 NA  
## hostnameKepler-940 NA  
## hostnameKepler-941 NA  
## hostnameKepler-942 NA  
## hostnameKepler-943 NA  
## hostnameKepler-944 NA  
## hostnameKepler-945 NA  
## hostnameKepler-946 NA  
## hostnameKepler-947 NA  
## hostnameKepler-948 NA  
## hostnameKepler-949 NA  
## hostnameKepler-95 NA  
## hostnameKepler-950 NA  
## hostnameKepler-951 NA  
## hostnameKepler-952 NA  
## hostnameKepler-953 NA  
## hostnameKepler-954 NA  
## hostnameKepler-955 NA  
## hostnameKepler-956 NA  
## hostnameKepler-957 NA  
## hostnameKepler-958 NA  
## hostnameKepler-959 NA  
## hostnameKepler-96 NA  
## hostnameKepler-960 NA  
## hostnameKepler-961 NA  
## hostnameKepler-962 NA  
## hostnameKepler-963 NA  
## hostnameKepler-964 NA  
## hostnameKepler-965 NA  
## hostnameKepler-966 NA  
## hostnameKepler-967 NA  
## hostnameKepler-968 NA  
## hostnameKepler-969 NA  
## hostnameKepler-97 NA  
## hostnameKepler-970 NA  
## hostnameKepler-971 NA  
## hostnameKepler-972 NA  
## hostnameKepler-973 NA  
## hostnameKepler-974 NA  
## hostnameKepler-975 NA  
## hostnameKepler-976 NA  
## hostnameKepler-977 NA  
## hostnameKepler-978 NA  
## hostnameKepler-979 NA  
## hostnameKepler-98 NA  
## hostnameKepler-980 NA  
## hostnameKepler-981 NA  
## hostnameKepler-982 NA  
## hostnameKepler-983 NA  
## hostnameKepler-984 NA  
## hostnameKepler-985 NA  
## hostnameKepler-986 NA  
## hostnameKepler-987 NA  
## hostnameKepler-988 NA  
## hostnameKepler-989 NA  
## hostnameKepler-99 NA  
## hostnameKepler-990 NA  
## hostnameKepler-991 NA  
## hostnameKepler-992 NA  
## hostnameKepler-993 NA  
## hostnameKepler-994 NA  
## hostnameKepler-995 NA  
## hostnameKepler-996 NA  
## hostnameKepler-997 NA  
## hostnameKepler-998 NA  
## hostnameKepler-999 NA  
## hostnameKIC 3526061 NA  
## hostnameKIC 5095269 NA  
## hostnameKIC 5437945 NA  
## hostnameKIC 9663113 NA  
## hostnameKOI-12 NA  
## hostnameKOI-1257 NA  
## hostnameKOI-13 NA  
## hostnameKOI-142 NA  
## hostnameKOI-1599 NA  
## hostnameKOI-1783 NA  
## hostnameKOI-3503 NA  
## hostnameKOI-351 NA  
## hostnameKOI-3680 NA  
## hostnameKOI-7368 NA  
## hostnameKOI-7892 NA  
## hostnameKOI-7913 A NA  
## hostnameKOI-94 NA  
## hostnameKPS-1 NA  
## hostnameL 168-9 NA  
## hostnameL 98-59 NA  
## hostnameLHS 1140 NA  
## hostnameLHS 1678 NA  
## hostnameLHS 1815 NA  
## hostnameLP 714-47 NA  
## hostnameLP 791-18 NA  
## hostnameLSPM J2116+0234 NA  
## hostnameLTT 1445 A NA  
## hostnameLTT 3780 NA  
## hostnameLTT 9779 NA  
## hostnameLupus-TR-3 NA  
## hostnameMASCARA-1 NA  
## hostnameMASCARA-4 NA  
## hostnamemu Leo NA  
## hostnameNGC 2682 Sand 364 NA  
## hostnameNGTS-1 NA  
## hostnameNGTS-10 NA  
## hostnameNGTS-11 NA  
## hostnameNGTS-12 NA  
## hostnameNGTS-13 NA  
## hostnameNGTS-14 A NA  
## hostnameNGTS-15 NA  
## hostnameNGTS-16 NA  
## hostnameNGTS-17 NA  
## hostnameNGTS-18 NA  
## hostnameNGTS-2 NA  
## hostnameNGTS-20 NA  
## hostnameNGTS-21 NA  
## hostnameNGTS-23 NA  
## hostnameNGTS-24 NA  
## hostnameNGTS-25 NA  
## hostnameNGTS-4 NA  
## hostnameNGTS-5 NA  
## hostnameNGTS-6 NA  
## hostnameNGTS-8 NA  
## hostnameNGTS-9 NA  
## hostnameNSVS 14256825 NA  
## hostnamenu Oct A NA  
## hostnamenu Oph NA  
## hostnameNY Vir NA  
## hostnameOGLE-TR-10 NA  
## hostnameOGLE-TR-111 NA  
## hostnameOGLE-TR-132 NA  
## hostnameOGLE-TR-182 NA  
## hostnameOGLE-TR-211 NA  
## hostnameome Ser NA  
## hostnameomi CrB NA  
## hostnamePDS 70 NA  
## hostnamePr0201 NA  
## hostnamePr0211 NA  
## hostnameProxima Cen NA  
## hostnamepsi1 Dra B NA  
## hostnamePZ Tel NA  
## hostnameQatar-1 NA  
## hostnameQatar-10 NA  
## hostnameQatar-2 NA  
## hostnameQatar-3 NA  
## hostnameQatar-4 NA  
## hostnameQatar-5 NA  
## hostnameQatar-6 NA  
## hostnameQatar-7 NA  
## hostnameQatar-8 NA  
## hostnameQatar-9 NA  
## hostnamerho CrB NA  
## hostnameRoss 128 NA  
## hostnameRoss 508 NA  
## hostnameRR Cae NA  
## hostnametau Boo NA  
## hostnametau Cet NA  
## hostnametau Gem NA  
## hostnameTeegarden's Star NA  
## hostnameTIC 172900988 Aa NA  
## hostnameTIC 237913194 NA  
## hostnameTIC 257060897 NA  
## hostnameTIC 279401253 NA  
## hostnameTOI-1052 NA  
## hostnameTOI-1062 NA  
## hostnameTOI-1064 NA  
## hostnameTOI-1075 NA  
## hostnameTOI-1107 NA  
## hostnameTOI-1130 NA  
## hostnameTOI-1201 NA  
## hostnameTOI-122 NA  
## hostnameTOI-1231 NA  
## hostnameTOI-1235 NA  
## hostnameTOI-125 NA  
## hostnameTOI-1259 A NA  
## hostnameTOI-1260 NA  
## hostnameTOI-1266 NA  
## hostnameTOI-1268 NA  
## hostnameTOI-1272 NA  
## hostnameTOI-1278 NA  
## hostnameTOI-1288 NA  
## hostnameTOI-1296 NA  
## hostnameTOI-1298 NA  
## hostnameTOI-132 NA  
## hostnameTOI-1333 NA  
## hostnameTOI-1338 A NA  
## hostnameTOI-1416 NA  
## hostnameTOI-1422 NA  
## hostnameTOI-1431 NA  
## hostnameTOI-1452 NA  
## hostnameTOI-1470 NA  
## hostnameTOI-1478 NA  
## hostnameTOI-150 NA  
## hostnameTOI-157 NA  
## hostnameTOI-1601 NA  
## hostnameTOI-163 NA  
## hostnameTOI-1634 NA  
## hostnameTOI-1670 NA  
## hostnameTOI-1685 NA  
## hostnameTOI-169 NA  
## hostnameTOI-1695 NA  
## hostnameTOI-1696 NA  
## hostnameTOI-1710 NA  
## hostnameTOI-172 NA  
## hostnameTOI-1728 NA  
## hostnameTOI-1759 NA  
## hostnameTOI-1807 NA  
## hostnameTOI-181 NA  
## hostnameTOI-1811 NA  
## hostnameTOI-1820 NA  
## hostnameTOI-1859 NA  
## hostnameTOI-1899 NA  
## hostnameTOI-1937 A NA  
## hostnameTOI-2000 NA  
## hostnameTOI-201 NA  
## hostnameTOI-2025 NA  
## hostnameTOI-2096 NA  
## hostnameTOI-2136 NA  
## hostnameTOI-2145 NA  
## hostnameTOI-2152 NA  
## hostnameTOI-2154 NA  
## hostnameTOI-2158 NA  
## hostnameTOI-216 NA  
## hostnameTOI-2180 NA  
## hostnameTOI-2193 A NA  
## hostnameTOI-2196 NA  
## hostnameTOI-220 NA  
## hostnameTOI-2202 NA  
## hostnameTOI-2207 NA  
## hostnameTOI-2236 NA  
## hostnameTOI-2257 NA  
## hostnameTOI-2338 NA  
## hostnameTOI-2364 NA  
## hostnameTOI-237 NA  
## hostnameTOI-2421 NA  
## hostnameTOI-2497 NA  
## hostnameTOI-2498 NA  
## hostnameTOI-2525 NA  
## hostnameTOI-2567 NA  
## hostnameTOI-257 NA  
## hostnameTOI-2570 NA  
## hostnameTOI-2583 A NA  
## hostnameTOI-2587 A NA  
## hostnameTOI-2589 NA  
## hostnameTOI-2641 NA  
## hostnameTOI-269 NA  
## hostnameTOI-270 NA  
## hostnameTOI-2796 NA  
## hostnameTOI-2803 A NA  
## hostnameTOI-2818 NA  
## hostnameTOI-2842 NA  
## hostnameTOI-3023 NA  
## hostnameTOI-3235 NA  
## hostnameTOI-332 NA  
## hostnameTOI-3331 A NA  
## hostnameTOI-3362 NA  
## hostnameTOI-3364 NA  
## hostnameTOI-3629 NA  
## hostnameTOI-3688 A NA  
## hostnameTOI-3693 NA  
## hostnameTOI-3714 NA  
## hostnameTOI-3757 NA  
## hostnameTOI-3785 NA  
## hostnameTOI-3807 NA  
## hostnameTOI-3819 NA  
## hostnameTOI-3884 NA  
## hostnameTOI-3912 NA  
## hostnameTOI-3976 A NA  
## hostnameTOI-3984 A NA  
## hostnameTOI-4010 NA  
## hostnameTOI-4087 NA  
## hostnameTOI-4127 NA  
## hostnameTOI-4137 NA  
## hostnameTOI-4145 A NA  
## hostnameTOI-421 NA  
## hostnameTOI-431 NA  
## hostnameTOI-4406 NA  
## hostnameTOI-4463 A NA  
## hostnameTOI-451 NA  
## hostnameTOI-4562 NA  
## hostnameTOI-4603 NA  
## hostnameTOI-4791 NA  
## hostnameTOI-481 NA  
## hostnameTOI-4860 NA  
## hostnameTOI-500 NA  
## hostnameTOI-5153 NA  
## hostnameTOI-519 NA  
## hostnameTOI-5205 NA  
## hostnameTOI-5293 A NA  
## hostnameTOI-530 NA  
## hostnameTOI-532 NA  
## hostnameTOI-540 NA  
## hostnameTOI-5542 NA  
## hostnameTOI-558 NA  
## hostnameTOI-559 NA  
## hostnameTOI-561 NA  
## hostnameTOI-564 NA  
## hostnameTOI-5678 NA  
## hostnameTOI-615 NA  
## hostnameTOI-620 NA  
## hostnameTOI-622 NA  
## hostnameTOI-628 NA  
## hostnameTOI-640 NA  
## hostnameTOI-674 NA  
## hostnameTOI-677 NA  
## hostnameTOI-700 NA  
## hostnameTOI-712 NA  
## hostnameTOI-733 NA  
## hostnameTOI-763 NA  
## hostnameTOI-776 NA  
## hostnameTOI-778 NA  
## hostnameTOI-813 NA  
## hostnameTOI-836 NA  
## hostnameTOI-849 NA  
## hostnameTOI-892 NA  
## hostnameTOI-905 NA  
## hostnameTOI-908 NA  
## hostnameTOI-954 NA  
## hostnameTOI-969 NA  
## hostnameTRAPPIST-1 NA  
## hostnameTrES-1 NA  
## hostnameTrES-2 NA  
## hostnameTrES-3 NA  
## hostnameTrES-4 NA  
## hostnameTrES-5 NA  
## hostnameTYC 0434-04538-1 NA  
## hostnameTYC 1422-614-1 NA  
## hostnameTYC 2187-512-1 NA  
## hostnameTYC 3318-01333-1 NA  
## hostnameTYC 3667-1280-1 NA  
## hostnameTYC 4282-00605-1 NA  
## hostnameups And NA  
## hostnameups Leo NA  
## hostnameV0391 Peg NA  
## hostnameV1298 Tau NA  
## hostnameWASP-1 NA  
## hostnameWASP-10 NA  
## hostnameWASP-100 NA  
## hostnameWASP-101 NA  
## hostnameWASP-103 NA  
## hostnameWASP-104 NA  
## hostnameWASP-105 NA  
## hostnameWASP-106 NA  
## hostnameWASP-107 NA  
## hostnameWASP-11 NA  
## hostnameWASP-113 NA  
## hostnameWASP-114 NA  
## hostnameWASP-117 NA  
## hostnameWASP-118 NA  
## hostnameWASP-119 NA  
## hostnameWASP-12 NA  
## hostnameWASP-120 NA  
## hostnameWASP-121 NA  
## hostnameWASP-123 NA  
## hostnameWASP-124 NA  
## hostnameWASP-126 NA  
## hostnameWASP-127 NA  
## hostnameWASP-129 NA  
## hostnameWASP-13 NA  
## hostnameWASP-130 NA  
## hostnameWASP-131 NA  
## hostnameWASP-132 NA  
## hostnameWASP-133 NA  
## hostnameWASP-135 NA  
## hostnameWASP-139 NA  
## hostnameWASP-14 NA  
## hostnameWASP-140 NA  
## hostnameWASP-141 NA  
## hostnameWASP-142 NA  
## hostnameWASP-144 NA  
## hostnameWASP-145 A NA  
## hostnameWASP-147 NA  
## hostnameWASP-148 NA  
## hostnameWASP-15 NA  
## hostnameWASP-150 NA  
## hostnameWASP-151 NA  
## hostnameWASP-153 NA  
## hostnameWASP-156 NA  
## hostnameWASP-157 NA  
## hostnameWASP-158 NA  
## hostnameWASP-159 NA  
## hostnameWASP-16 NA  
## hostnameWASP-160 B NA  
## hostnameWASP-162 NA  
## hostnameWASP-164 NA  
## hostnameWASP-165 NA  
## hostnameWASP-166 NA  
## hostnameWASP-168 NA  
## hostnameWASP-169 NA  
## hostnameWASP-17 NA  
## hostnameWASP-171 NA  
## hostnameWASP-172 NA  
## hostnameWASP-173 A NA  
## hostnameWASP-174 NA  
## hostnameWASP-175 NA  
## hostnameWASP-176 NA  
## hostnameWASP-178 NA  
## hostnameWASP-18 NA  
## hostnameWASP-180 A NA  
## hostnameWASP-182 NA  
## hostnameWASP-184 NA  
## hostnameWASP-185 NA  
## hostnameWASP-186 NA  
## hostnameWASP-187 NA  
## hostnameWASP-189 NA  
## hostnameWASP-19 NA  
## hostnameWASP-190 NA  
## hostnameWASP-192 NA  
## hostnameWASP-193 NA  
## hostnameWASP-2 NA  
## hostnameWASP-20 NA  
## hostnameWASP-21 NA  
## hostnameWASP-22 NA  
## hostnameWASP-23 NA  
## hostnameWASP-24 NA  
## hostnameWASP-25 NA  
## hostnameWASP-26 NA  
## hostnameWASP-28 NA  
## hostnameWASP-29 NA  
## hostnameWASP-3 NA  
## hostnameWASP-31 NA  
## hostnameWASP-32 NA  
## hostnameWASP-33 NA  
## hostnameWASP-34 NA  
## hostnameWASP-35 NA  
## hostnameWASP-36 NA  
## hostnameWASP-37 NA  
## hostnameWASP-38 NA  
## hostnameWASP-39 NA  
## hostnameWASP-4 NA  
## hostnameWASP-41 NA  
## hostnameWASP-42 NA  
## hostnameWASP-43 NA  
## hostnameWASP-44 NA  
## hostnameWASP-45 NA  
## hostnameWASP-46 NA  
## hostnameWASP-47 NA  
## hostnameWASP-48 NA  
## hostnameWASP-49 NA  
## hostnameWASP-5 NA  
## hostnameWASP-50 NA  
## hostnameWASP-52 NA  
## hostnameWASP-53 NA  
## hostnameWASP-54 NA  
## hostnameWASP-55 NA  
## hostnameWASP-56 NA  
## hostnameWASP-57 NA  
## hostnameWASP-58 NA  
## hostnameWASP-59 NA  
## hostnameWASP-6 NA  
## hostnameWASP-60 NA  
## hostnameWASP-61 NA  
## hostnameWASP-62 NA  
## hostnameWASP-63 NA  
## hostnameWASP-64 NA  
## hostnameWASP-65 NA  
## hostnameWASP-66 NA  
## hostnameWASP-67 NA  
## hostnameWASP-68 NA  
## hostnameWASP-69 NA  
## hostnameWASP-7 NA  
## hostnameWASP-70 A NA  
## hostnameWASP-71 NA  
## hostnameWASP-72 NA  
## hostnameWASP-73 NA  
## hostnameWASP-74 NA  
## hostnameWASP-75 NA  
## hostnameWASP-76 NA  
## hostnameWASP-77 A NA  
## hostnameWASP-78 NA  
## hostnameWASP-79 NA  
## hostnameWASP-8 NA  
## hostnameWASP-80 NA  
## hostnameWASP-81 NA  
## hostnameWASP-82 NA  
## hostnameWASP-83 NA  
## hostnameWASP-84 NA  
## hostnameWASP-85 A NA  
## hostnameWASP-87 NA  
## hostnameWASP-88 NA  
## hostnameWASP-89 NA  
## hostnameWASP-90 NA  
## hostnameWASP-91 NA  
## hostnameWASP-92 NA  
## hostnameWASP-93 NA  
## hostnameWASP-94 A NA  
## hostnameWASP-94 B NA  
## hostnameWASP-95 NA  
## hostnameWASP-96 NA  
## hostnameWASP-97 NA  
## hostnameWASP-98 NA  
## hostnameWASP-99 NA  
## hostnameWD 1856+534 NA  
## hostnameWendelstein-1 NA  
## hostnameWendelstein-2 NA  
## hostnameWolf 1061 NA  
## hostnameWolf 503 NA  
## hostnameWTS-1 NA  
## hostnameWTS-2 NA  
## hostnamexi Aql NA  
## hostnameXO-1 NA  
## hostnameXO-2 N NA  
## hostnameXO-2 S NA  
## hostnameXO-3 NA  
## hostnameXO-4 NA  
## hostnameXO-5 NA  
## hostnameXO-6 NA  
## hostnameXO-7 NA  
## hostnameYZ Cet NA  
## sy\_snum NA  
## sy\_pnum NA  
## disc\_facilityAnglo-Australian Telescope NA  
## disc\_facilityApache Point Observatory NA  
## disc\_facilityBohyunsan Optical Astronomical Observatory NA  
## disc\_facilityCalar Alto Observatory NA  
## disc\_facilityCerro Tololo Inter-American Observatory NA  
## disc\_facilityCHaracterising ExOPlanets Satellite (CHEOPS) NA  
## disc\_facilityCoRoT NA  
## disc\_facilityEuropean Southern Observatory NA  
## disc\_facilityFred Lawrence Whipple Observatory NA  
## disc\_facilityGemini Observatory NA  
## disc\_facilityHaleakala Observatory NA  
## disc\_facilityHATNet NA  
## disc\_facilityHATSouth NA  
## disc\_facilityHaute-Provence Observatory NA  
## disc\_facilityK2 NA  
## disc\_facilityKELT NA  
## disc\_facilityKELT-North NA  
## disc\_facilityKELT-South NA  
## disc\_facilityKepler NA  
## disc\_facilityKitt Peak National Observatory NA  
## disc\_facilityKOINet NA  
## disc\_facilityLa Silla Observatory NA  
## disc\_facilityLas Campanas Observatory NA  
## disc\_facilityLeoncito Astronomical Complex NA  
## disc\_facilityLick Observatory NA  
## disc\_facilityLowell Observatory NA  
## disc\_facilityMcDonald Observatory NA  
## disc\_facilityMEarth Project NA  
## disc\_facilityMultiple Facilities NA  
## disc\_facilityMultiple Observatories NA  
## disc\_facilityNext-Generation Transit Survey (NGTS) NA  
## disc\_facilityOGLE NA  
## disc\_facilityOkayama Astrophysical Observatory NA  
## disc\_facilityParanal Observatory NA  
## disc\_facilityQatar NA  
## disc\_facilityRoque de los Muchachos Observatory NA  
## disc\_facilitySpitzer Space Telescope NA  
## disc\_facilitySubaru Telescope NA  
## disc\_facilitySuperWASP NA  
## disc\_facilitySuperWASP-North NA  
## disc\_facilitySuperWASP-South NA  
## disc\_facilityThueringer Landessternwarte Tautenburg NA  
## disc\_facilityTransiting Exoplanet Survey Satellite (TESS) NA  
## disc\_facilityTrES NA  
## disc\_facilityUnited Kingdom Infrared Telescope NA  
## disc\_facilityUniversity of Canterbury Mt John Observatory NA  
## disc\_facilityVery Long Baseline Array NA  
## disc\_facilityW. M. Keck Observatory NA  
## disc\_facilityWASP-South NA  
## disc\_facilityXinglong Station NA  
## disc\_facilityXO NA  
## disc\_telescope0.10 m Schmidt Telescope NA  
## disc\_telescope0.18 m Takahashi Epsilon Astrograph NA  
## disc\_telescope0.27 m CoRoT Telescope NA  
## disc\_telescope0.3 m Ritchey-Chretien Telescope NA  
## disc\_telescope0.4 m MEarth Telescope NA  
## disc\_telescope0.6 m Coude Auxiliary Telescope NA  
## disc\_telescope0.60 m Transiting Planets and Planetesimals Small Telescope NA  
## disc\_telescope0.85 m Spitzer Space Telescope NA  
## disc\_telescope0.9 m KPNO Coude Feed Telescope NA  
## disc\_telescope0.95 m Kepler Telescope NA  
## disc\_telescope1.0 m McLellan telescope NA  
## disc\_telescope1.2 m Leonhard Euler Telescope NA  
## disc\_telescope1.3 m Warsaw University Telescope NA  
## disc\_telescope1.4 m CAT Telescope NA  
## disc\_telescope1.5 m SMARTS telescope NA  
## disc\_telescope1.5 m Tillinghast Reflector Telescope NA  
## disc\_telescope1.52 m ESO Telescope NA  
## disc\_telescope1.8 m Telescope NA  
## disc\_telescope1.8-m Ritchey-Chretien Telescope NA  
## disc\_telescope1.88 m Telescope NA  
## disc\_telescope1.93 m Telescope NA  
## disc\_telescope10 m Keck I Telescope NA  
## disc\_telescope10 m Keck II Telescope NA  
## disc\_telescope2.0 m Alfred Jensch Telescope NA  
## disc\_telescope2.15 m Jorge Sahade Telescope NA  
## disc\_telescope2.16 m Telescope NA  
## disc\_telescope2.2 m MPG/ESO Telescope NA  
## disc\_telescope2.4 m Automated Planet Finder Telescope NA  
## disc\_telescope2.5m Sloan Digital Sky Survey (SDSS) Telescope NA  
## disc\_telescope2.7 m Harlan J. Smith Telescope NA  
## disc\_telescope2.7m Harlan J. Smith Telescope NA  
## disc\_telescope20 cm Telescope NA  
## disc\_telescope279mm RASA-11 wide-field telescope NA  
## disc\_telescope3.0 m C. Donald Shane Telescope NA  
## disc\_telescope3.5 m telescope NA  
## disc\_telescope3.58 m Telescopio Nazionale Galileo NA  
## disc\_telescope3.6 m ESO Telescope NA  
## disc\_telescope3.8 m United Kingdom Infrared Telescope NA  
## disc\_telescope3.9 m Anglo-Australian Telescope NA  
## disc\_telescope4.3 m Lowell Discovery Telescope NA  
## disc\_telescope6.5 m Magellan II Clay Telescope NA  
## disc\_telescope8.19 m Gemini North Telescope NA  
## disc\_telescope8.19 m Gemini South Telescope NA  
## disc\_telescope8.2 m ESO VLT UT3 Melipal Telescope NA  
## disc\_telescope8.2 m ESO VLT UT4 Yepun Telescope NA  
## disc\_telescope8.2 m Subaru Telescope NA  
## disc\_telescope9.2 m Hobby-Eberly Telescope NA  
## disc\_telescopeCanon 200mm f/1.8L NA  
## disc\_telescopeCanon 400mm f/2.8L NA  
## disc\_telescopeCoude Auxiliary Telescope NA  
## disc\_telescopeMamiya 645 80mm f/1.9 NA  
## disc\_telescopeMEarth-South telescope array NA  
## disc\_telescopeMultiple Telescopes NA  
## disc\_telescopeNGTS telescopes NA  
## disc\_telescopeRowe-Ackermann Schmidt Astrograph telescope NA  
## disc\_telescopeVery Large Telescope (Antu) NA  
## pl\_orbper NA  
## pl\_orbsmax NA  
## pl\_rade NA  
## pl\_radj NA  
## pl\_bmasse NA  
## pl\_bmassj NA  
## pl\_bmassprovMass NA  
## pl\_bmassprovMsin(i)/sin(i) NA  
## pl\_bmassprovMsini NA  
## pl\_dens NA  
## pl\_orbeccen NA  
## ttv\_flag1 NA  
## st\_teff NA  
## st\_mass NA  
## st\_lum NA  
## st\_logg NA  
## rastr00h01m26.90s NA  
## rastr00h03m05.88s NA  
## rastr00h04m11.18s NA  
## rastr00h06m20.08s NA  
## rastr00h08m17.50s NA  
## rastr00h08m59.83s NA  
## rastr00h09m52.67s NA  
## rastr00h11m42.63s NA  
## rastr00h15m36.79s NA  
## rastr00h15m50.81s NA  
## rastr00h16m15.22s NA  
## rastr00h16m35.12s NA  
## rastr00h17m47.32s NA  
## rastr00h18m24.73s NA  
## rastr00h18m27.04s NA  
## rastr00h18m42.30s NA  
## rastr00h19m17.15s NA  
## rastr00h19m26.23s NA  
## rastr00h20m31.62s NA  
## rastr00h20m38.53s NA  
## rastr00h20m40.07s NA  
## rastr00h20m52.33s NA  
## rastr00h20m57.06s NA  
## rastr00h21m13.34s NA  
## rastr00h22m28.45s NA  
## rastr00h24m20.43s NA  
## rastr00h26m27.26s NA  
## rastr00h26m48.63s NA  
## rastr00h28m12.94s NA  
## rastr00h28m33.92s NA  
## rastr00h29m18.94s NA  
## rastr00h29m59.76s NA  
## rastr00h30m50.29s NA  
## rastr00h33m10.52s NA  
## rastr00h34m57.64s NA  
## rastr00h37m50.10s NA  
## rastr00h38m03.98s NA  
## rastr00h38m17.53s NA  
## rastr00h39m21.29s NA  
## rastr00h39m59.52s NA  
## rastr00h40m21.39s NA  
## rastr00h40m49.75s NA  
## rastr00h43m12.66s NA  
## rastr00h44m27.01s NA  
## rastr00h44m39.66s NA  
## rastr00h44m41.33s NA  
## rastr00h44m59.67s NA  
## rastr00h45m40.35s NA  
## rastr00h45m55.26s NA  
## rastr00h49m14.04s NA  
## rastr00h49m39.88s NA  
## rastr00h50m11.23s NA  
## rastr00h51m06.30s NA  
## rastr00h51m33.02s NA  
## rastr00h52m00.22s NA  
## rastr00h52m19.21s NA  
## rastr00h55m01.39s NA  
## rastr00h57m56.87s NA  
## rastr00h58m14.26s NA  
## rastr01h00m01.46s NA  
## rastr01h00m33.20s NA  
## rastr01h02m12.45s NA  
## rastr01h02m21.16s NA  
## rastr01h02m37.05s NA  
## rastr01h02m40.50s NA  
## rastr01h04m39.92s NA  
## rastr01h05m51.00s NA  
## rastr01h06m02.28s NA  
## rastr01h07m06.89s NA  
## rastr01h07m48.86s NA  
## rastr01h09m53.94s NA  
## rastr01h10m47.50s NA  
## rastr01h12m11.64s NA  
## rastr01h12m31.94s NA  
## rastr01h13m58.88s NA  
## rastr01h14m29.15s NA  
## rastr01h14m34.38s NA  
## rastr01h15m58.87s NA  
## rastr01h17m47.85s NA  
## rastr01h18m12.14s NA  
## rastr01h18m26.43s NA  
## rastr01h20m39.84s NA  
## rastr01h20m51.56s NA  
## rastr01h21m45.22s NA  
## rastr01h21m58.96s NA  
## rastr01h22m07.55s NA  
## rastr01h23m37.32s NA  
## rastr01h24m15.63s NA  
## rastr01h25m12.81s NA  
## rastr01h26m09.08s NA  
## rastr01h27m29.06s NA  
## rastr01h27m41.22s NA  
## rastr01h29m46.99s NA  
## rastr01h30m01.04s NA  
## rastr01h33m20.41s NA  
## rastr01h34m05.15s NA  
## rastr01h34m22.42s NA  
## rastr01h35m51.28s NA  
## rastr01h36m40.29s NA  
## rastr01h36m47.60s NA  
## rastr01h37m25.07s NA  
## rastr01h37m53.55s NA  
## rastr01h38m25.23s NA  
## rastr01h41m53.17s NA  
## rastr01h42m29.60s NA  
## rastr01h43m40.88s NA  
## rastr01h44m02.23s NA  
## rastr01h44m55.78s NA  
## rastr01h45m21.35s NA  
## rastr01h46m31.90s NA  
## rastr01h48m21.15s NA  
## rastr01h48m39.07s NA  
## rastr01h49m37.86s NA  
## rastr01h50m06.53s NA  
## rastr01h52m50.56s NA  
## rastr01h53m06.01s NA  
## rastr01h53m07.82s NA  
## rastr01h54m51.79s NA  
## rastr01h54m56.34s NA  
## rastr01h57m03.23s NA  
## rastr01h57m09.22s NA  
## rastr01h58m49.88s NA  
## rastr02h00m09.40s NA  
## rastr02h00m14.12s NA  
## rastr02h02m26.77s NA  
## rastr02h03m37.20s NA  
## rastr02h04m10.26s NA  
## rastr02h04m34.16s NA  
## rastr02h07m38.20s NA  
## rastr02h08m13.83s NA  
## rastr02h09m11.46s NA  
## rastr02h09m40.18s NA  
## rastr02h10m29.39s NA  
## rastr02h11m07.70s NA  
## rastr02h11m47.29s NA  
## rastr02h12m20.63s NA  
## rastr02h12m31.46s NA  
## rastr02h12m36.96s NA  
## rastr02h12m42.74s NA  
## rastr02h13m12.58s NA  
## rastr02h16m47.52s NA  
## rastr02h17m10.40s NA  
## rastr02h18m14.62s NA  
## rastr02h18m59.54s NA  
## rastr02h21m32.04s NA  
## rastr02h22m14.98s NA  
## rastr02h23m14.04s NA  
## rastr02h26m51.06s NA  
## rastr02h27m06.19s NA  
## rastr02h27m28.29s NA  
## rastr02h28m37.33s NA  
## rastr02h32m09.40s NA  
## rastr02h32m29.03s NA  
## rastr02h33m05.10s NA  
## rastr02h33m26.78s NA  
## rastr02h33m28.60s NA  
## rastr02h35m19.77s NA  
## rastr02h36m57.91s NA  
## rastr02h36m58.58s NA  
## rastr02h37m01.86s NA  
## rastr02h37m07.76s NA  
## rastr02h37m41.85s NA  
## rastr02h37m43.14s NA  
## rastr02h39m35.44s NA  
## rastr02h40m03.27s NA  
## rastr02h42m34.01s NA  
## rastr02h42m50.47s NA  
## rastr02h42m58.21s NA  
## rastr02h44m09.62s NA  
## rastr02h46m22.18s NA  
## rastr02h46m43.22s NA  
## rastr02h48m59.45s NA  
## rastr02h49m09.96s NA  
## rastr02h49m44.79s NA  
## rastr02h50m53.22s NA  
## rastr02h51m04.44s NA  
## rastr02h51m56.39s NA  
## rastr02h53m04.59s NA  
## rastr02h53m27.27s NA  
## rastr02h54m45.14s NA  
## rastr02h55m39.37s NA  
## rastr02h57m02.88s NA  
## rastr03h00m10.63s NA  
## rastr03h01m50.99s NA  
## rastr03h02m19.82s NA  
## rastr03h02m33.75s NA  
## rastr03h05m10.23s NA  
## rastr03h06m07.64s NA  
## rastr03h07m16.47s NA  
## rastr03h07m38.16s NA  
## rastr03h09m28.55s NA  
## rastr03h09m32.20s NA  
## rastr03h10m04.14s NA  
## rastr03h11m14.23s NA  
## rastr03h12m46.64s NA  
## rastr03h13m44.51s NA  
## rastr03h15m07.52s NA  
## rastr03h16m42.75s NA  
## rastr03h18m14.92s NA  
## rastr03h19m59.94s NA  
## rastr03h20m03.35s NA  
## rastr03h20m03.99s NA  
## rastr03h20m43.06s NA  
## rastr03h23m17.70s NA  
## rastr03h24m54.82s NA  
## rastr03h26m11.38s NA  
## rastr03h27m00.05s NA  
## rastr03h27m12.97s NA  
## rastr03h29m22.09s NA  
## rastr03h31m16.33s NA  
## rastr03h32m38.26s NA  
## rastr03h32m54.82s NA  
## rastr03h34m36.27s NA  
## rastr03h35m15.56s NA  
## rastr03h36m00.78s NA  
## rastr03h39m00.35s NA  
## rastr03h39m16.69s NA  
## rastr03h39m23.79s NA  
## rastr03h39m42.77s NA  
## rastr03h40m49.57s NA  
## rastr03h41m01.42s NA  
## rastr03h41m50.17s NA  
## rastr03h43m44.07s NA  
## rastr03h45m01.52s NA  
## rastr03h45m33.75s NA  
## rastr03h48m00.45s NA  
## rastr03h48m16.11s NA  
## rastr03h49m56.51s NA  
## rastr03h50m23.09s NA  
## rastr03h50m37.73s NA  
## rastr03h53m03.34s NA  
## rastr03h53m42.96s NA  
## rastr03h55m49.79s NA  
## rastr03h56m36.24s NA  
## rastr03h56m36.66s NA  
## rastr03h57m44.05s NA  
## rastr03h57m51.56s NA  
## rastr03h59m33.67s NA  
## rastr03h59m36.33s NA  
## rastr04h01m32.53s NA  
## rastr04h03m37.80s NA  
## rastr04h03m47.59s NA  
## rastr04h03m47.85s NA  
## rastr04h04m22.73s NA  
## rastr04h05m19.60s NA  
## rastr04h06m34.90s NA  
## rastr04h06m37.87s NA  
## rastr04h07m01.36s NA  
## rastr04h07m45.85s NA  
## rastr04h09m17.48s NA  
## rastr04h09m38.93s NA  
## rastr04h10m27.86s NA  
## rastr04h10m40.90s NA  
## rastr04h11m51.93s NA  
## rastr04h12m52.38s NA  
## rastr04h13m05.74s NA  
## rastr04h13m29.93s NA  
## rastr04h15m01.50s NA  
## rastr04h16m28.93s NA  
## rastr04h16m45.65s NA  
## rastr04h17m02.35s NA  
## rastr04h19m45.41s NA  
## rastr04h20m47.42s NA  
## rastr04h20m57.19s NA  
## rastr04h21m05.61s NA  
## rastr04h21m07.36s NA  
## rastr04h21m52.70s NA  
## rastr04h24m50.60s NA  
## rastr04h24m59.55s NA  
## rastr04h25m29.02s NA  
## rastr04h26m26.41s NA  
## rastr04h26m48.78s NA  
## rastr04h26m49.64s NA  
## rastr04h28m35.63s NA  
## rastr04h28m37.12s NA  
## rastr04h28m53.48s NA  
## rastr04h29m39.09s NA  
## rastr04h29m40.46s NA  
## rastr04h31m25.46s NA  
## rastr04h32m04.93s NA  
## rastr04h32m32.76s NA  
## rastr04h32m42.96s NA  
## rastr04h33m33.68s NA  
## rastr04h33m39.86s NA  
## rastr04h34m22.55s NA  
## rastr04h35m23.16s NA  
## rastr04h35m50.36s NA  
## rastr04h35m53.85s NA  
## rastr04h37m36.18s NA  
## rastr04h37m52.35s NA  
## rastr04h38m12.56s NA  
## rastr04h41m21.54s NA  
## rastr04h41m43.75s NA  
## rastr04h41m54.50s NA  
## rastr04h42m05.20s NA  
## rastr04h42m56.49s NA  
## rastr04h44m06.76s NA  
## rastr04h47m17.86s NA  
## rastr04h48m28.76s NA  
## rastr04h48m36.71s NA  
## rastr04h50m17.88s NA  
## rastr04h50m38.54s NA  
## rastr04h50m46.56s NA  
## rastr04h51m36.14s NA  
## rastr04h52m05.89s NA  
## rastr04h53m25.27s NA  
## rastr04h53m50.42s NA  
## rastr04h54m43.75s NA  
## rastr04h54m48.35s NA  
## rastr04h55m04.03s NA  
## rastr04h55m38.31s NA  
## rastr04h55m55.20s NA  
## rastr04h58m01.05s NA  
## rastr04h58m12.56s NA  
## rastr05h01m11.92s NA  
## rastr05h01m55.24s NA  
## rastr05h03m10.89s NA  
## rastr05h03m23.11s NA  
## rastr05h04m19.65s NA  
## rastr05h05m14.33s NA  
## rastr05h05m47.03s NA  
## rastr05h07m28.16s NA  
## rastr05h07m35.53s NA  
## rastr05h07m55.68s NA  
## rastr05h08m01.08s NA  
## rastr05h09m36.90s NA  
## rastr05h10m27.09s NA  
## rastr05h11m50.08s NA  
## rastr05h12m36.14s NA  
## rastr05h13m10.94s NA  
## rastr05h15m47.31s NA  
## rastr05h16m33.79s NA  
## rastr05h17m40.98s NA  
## rastr05h19m04.38s NA  
## rastr05h22m09.18s NA  
## rastr05h22m33.10s NA  
## rastr05h23m21.60s NA  
## rastr05h25m22.70s NA  
## rastr05h27m04.78s NA  
## rastr05h27m24.79s NA  
## rastr05h30m51.41s NA  
## rastr05h31m33.28s NA  
## rastr05h33m04.62s NA  
## rastr05h35m27.82s NA  
## rastr05h36m36.65s NA  
## rastr05h37m02.40s NA  
## rastr05h37m02.53s NA  
## rastr05h37m11.83s NA  
## rastr05h37m18.42s NA  
## rastr05h39m43.68s NA  
## rastr05h40m01.78s NA  
## rastr05h40m19.21s NA  
## rastr05h44m30.98s NA  
## rastr05h46m34.83s NA  
## rastr05h46m57.17s NA  
## rastr05h47m06.27s NA  
## rastr05h47m17.10s NA  
## rastr05h47m24.23s NA  
## rastr05h47m59.12s NA  
## rastr05h48m33.56s NA  
## rastr05h48m45.13s NA  
## rastr05h49m36.43s NA  
## rastr05h50m43.09s NA  
## rastr05h52m35.23s NA  
## rastr05h53m00.28s NA  
## rastr05h54m04.13s NA  
## rastr05h54m30.26s NA  
## rastr05h56m31.21s NA  
## rastr05h58m23.73s NA  
## rastr06h00m15.02s NA  
## rastr06h04m00.87s NA  
## rastr06h04m21.53s NA  
## rastr06h04m21.60s NA  
## rastr06h04m30.08s NA  
## rastr06h06m09.68s NA  
## rastr06h06m39.07s NA  
## rastr06h07m11.93s NA  
## rastr06h07m29.35s NA  
## rastr06h08m31.94s NA  
## rastr06h09m56.51s NA  
## rastr06h10m34.46s NA  
## rastr06h10m39.37s NA  
## rastr06h11m44.67s NA  
## rastr06h12m00.77s NA  
## rastr06h12m27.54s NA  
## rastr06h13m35.84s NA  
## rastr06h16m26.90s NA  
## rastr06h17m08.12s NA  
## rastr06h17m20.73s NA  
## rastr06h19m10.31s NA  
## rastr06h19m16.98s NA  
## rastr06h19m34.71s NA  
## rastr06h20m14.40s NA  
## rastr06h21m39.89s NA  
## rastr06h24m43.68s NA  
## rastr06h25m38.54s NA  
## rastr06h26m58.71s NA  
## rastr06h28m08.06s NA  
## rastr06h28m22.97s NA  
## rastr06h28m45.65s NA  
## rastr06h29m13.41s NA  
## rastr06h30m32.79s NA  
## rastr06h30m47.05s NA  
## rastr06h30m52.90s NA  
## rastr06h32m41.38s NA  
## rastr06h33m12.74s NA  
## rastr06h33m24.26s NA  
## rastr06h36m08.81s NA  
## rastr06h36m41.11s NA  
## rastr06h37m03.13s NA  
## rastr06h37m09.97s NA  
## rastr06h37m40.80s NA  
## rastr06h37m47.75s NA  
## rastr06h38m56.30s NA  
## rastr06h39m35.52s NA  
## rastr06h40m01.77s NA  
## rastr06h42m17.10s NA  
## rastr06h43m03.76s NA  
## rastr06h43m23.52s NA  
## rastr06h43m49.48s NA  
## rastr06h44m12.63s NA  
## rastr06h44m27.58s NA  
## rastr06h44m30.60s NA  
## rastr06h45m06.54s NA  
## rastr06h45m34.75s NA  
## rastr06h47m41.41s NA  
## rastr06h47m58.62s NA  
## rastr06h48m19.17s NA  
## rastr06h48m46.71s NA  
## rastr06h50m53.07s NA  
## rastr06h51m23.38s NA  
## rastr06h51m30.56s NA  
## rastr06h52m01.94s NA  
## rastr06h53m39.08s NA  
## rastr06h53m41.81s NA  
## rastr06h54m04.17s NA  
## rastr06h54m42.79s NA  
## rastr06h54m48.06s NA  
## rastr06h54m51.29s NA  
## rastr07h00m17.91s NA  
## rastr07h01m37.09s NA  
## rastr07h05m42.19s NA  
## rastr07h06m14.18s NA  
## rastr07h09m57.16s NA  
## rastr07h10m24.06s NA  
## rastr07h11m08.33s NA  
## rastr07h11m22.48s NA  
## rastr07h12m04.68s NA  
## rastr07h12m10.61s NA  
## rastr07h12m14.93s NA  
## rastr07h13m12.34s NA  
## rastr07h13m48.58s NA  
## rastr07h15m18.03s NA  
## rastr07h16m10.78s NA  
## rastr07h16m25.09s NA  
## rastr07h17m18.10s NA  
## rastr07h17m33.21s NA  
## rastr07h20m40.44s NA  
## rastr07h21m33.13s NA  
## rastr07h22m03.04s NA  
## rastr07h24m48.60s NA  
## rastr07h27m39.94s NA  
## rastr07h28m02.41s NA  
## rastr07h29m40.61s NA  
## rastr07h31m48.45s NA  
## rastr07h31m51.70s NA  
## rastr07h32m44.22s NA  
## rastr07h34m03.14s NA  
## rastr07h35m01.98s NA  
## rastr07h35m37.26s NA  
## rastr07h37m08.01s NA  
## rastr07h37m09.23s NA  
## rastr07h38m28.84s NA  
## rastr07h39m21.75s NA  
## rastr07h40m32.80s NA  
## rastr07h43m43.61s NA  
## rastr07h44m19.71s NA  
## rastr07h45m28.97s NA  
## rastr07h46m51.93s NA  
## rastr07h47m49.98s NA  
## rastr07h48m06.42s NA  
## rastr07h48m07.43s NA  
## rastr07h49m27.63s NA  
## rastr07h49m39.59s NA  
## rastr07h49m55.05s NA  
## rastr07h51m55.81s NA  
## rastr07h52m15.23s NA  
## rastr07h53m41.03s NA  
## rastr07h53m55.96s NA  
## rastr07h54m10.54s NA  
## rastr07h56m14.36s NA  
## rastr07h59m05.64s NA  
## rastr08h02m15.91s NA  
## rastr08h02m22.47s NA  
## rastr08h02m26.80s NA  
## rastr08h03m28.60s NA  
## rastr08h05m23.39s NA  
## rastr08h07m27.18s NA  
## rastr08h07m39.74s NA  
## rastr08h13m00.17s NA  
## rastr08h13m31.64s NA  
## rastr08h13m34.14s NA  
## rastr08h14m13.20s NA  
## rastr08h15m47.96s NA  
## rastr08h16m30.87s NA  
## rastr08h18m07.89s NA  
## rastr08h18m22.45s NA  
## rastr08h18m24.24s NA  
## rastr08h18m25.62s NA  
## rastr08h21m13.21s NA  
## rastr08h21m27.87s NA  
## rastr08h22m49.90s NA  
## rastr08h25m44.10s NA  
## rastr08h25m51.45s NA  
## rastr08h25m54.29s NA  
## rastr08h25m57.17s NA  
## rastr08h26m12.84s NA  
## rastr08h27m44.80s NA  
## rastr08h29m32.94s NA  
## rastr08h30m18.89s NA  
## rastr08h31m03.08s NA  
## rastr08h31m31.90s NA  
## rastr08h33m36.68s NA  
## rastr08h34m03.07s NA  
## rastr08h34m38.80s NA  
## rastr08h34m52.69s NA  
## rastr08h35m42.17s NA  
## rastr08h36m17.64s NA  
## rastr08h36m22.80s NA  
## rastr08h37m16.40s NA  
## rastr08h37m27.02s NA  
## rastr08h38m24.26s NA  
## rastr08h38m32.80s NA  
## rastr08h38m43.71s NA  
## rastr08h38m45.19s NA  
## rastr08h39m15.68s NA  
## rastr08h39m31.77s NA  
## rastr08h40m06.41s NA  
## rastr08h40m12.67s NA  
## rastr08h40m17.87s NA  
## rastr08h40m43.21s NA  
## rastr08h40m58.69s NA  
## rastr08h41m10.84s NA  
## rastr08h41m19.60s NA  
## rastr08h41m22.54s NA  
## rastr08h41m38.45s NA  
## rastr08h41m43.78s NA  
## rastr08h42m01.35s NA  
## rastr08h42m11.46s NA  
## rastr08h42m25.15s NA  
## rastr08h43m36.05s NA  
## rastr08h44m25.68s NA  
## rastr08h45m26.00s NA  
## rastr08h46m19.29s NA  
## rastr08h47m40.36s NA  
## rastr08h48m02.37s NA  
## rastr08h48m30.45s NA  
## rastr08h49m12.38s NA  
## rastr08h49m56.81s NA  
## rastr08h52m23.81s NA  
## rastr08h52m35.24s NA  
## rastr08h53m17.83s NA  
## rastr08h53m38.09s NA  
## rastr08h53m50.69s NA  
## rastr08h53m54.77s NA  
## rastr08h54m33.85s NA  
## rastr08h55m07.67s NA  
## rastr08h55m16.88s NA  
## rastr08h55m25.38s NA  
## rastr08h57m46.59s NA  
## rastr09h01m12.54s NA  
## rastr09h01m22.65s NA  
## rastr09h06m17.81s NA  
## rastr09h09m48.84s NA  
## rastr09h11m58.67s NA  
## rastr09h12m24.52s NA  
## rastr09h14m22.00s NA  
## rastr09h15m09.26s NA  
## rastr09h16m27.02s NA  
## rastr09h19m43.96s NA  
## rastr09h20m21.02s NA  
## rastr09h20m24.71s NA  
## rastr09h21m21.38s NA  
## rastr09h22m01.52s NA  
## rastr09h22m37.67s NA  
## rastr09h23m09.91s NA  
## rastr09h23m46.92s NA  
## rastr09h27m40.95s NA  
## rastr09h28m39.98s NA  
## rastr09h28m41.63s NA  
## rastr09h34m50.74s NA  
## rastr09h35m45.20s NA  
## rastr09h36m28.65s NA  
## rastr09h37m05.18s NA  
## rastr09h37m09.03s NA  
## rastr09h37m11.86s NA  
## rastr09h38m09.07s NA  
## rastr09h39m30.03s NA  
## rastr09h39m42.45s NA  
## rastr09h44m29.15s NA  
## rastr09h45m35.30s NA  
## rastr09h50m02.54s NA  
## rastr09h50m19.22s NA  
## rastr09h51m07.71s NA  
## rastr09h52m44.44s NA  
## rastr09h52m45.57s NA  
## rastr09h53m40.02s NA  
## rastr09h54m34.35s NA  
## rastr09h55m42.16s NA  
## rastr09h56m05.85s NA  
## rastr09h56m07.98s NA  
## rastr09h56m29.64s NA  
## rastr09h56m57.82s NA  
## rastr09h59m17.68s NA  
## rastr10h00m47.33s NA  
## rastr10h01m37.60s NA  
## rastr10h02m17.43s NA  
## rastr10h02m20.77s NA  
## rastr10h06m28.49s NA  
## rastr10h06m40.69s NA  
## rastr10h08m43.06s NA  
## rastr10h08m52.38s NA  
## rastr10h09m23.22s NA  
## rastr10h10m07.66s NA  
## rastr10h14m50.18s NA  
## rastr10h16m44.83s NA  
## rastr10h17m05.05s NA  
## rastr10h17m06.67s NA  
## rastr10h18m21.00s NA  
## rastr10h18m34.78s NA  
## rastr10h18m41.06s NA  
## rastr10h19m37.96s NA  
## rastr10h20m40.53s NA  
## rastr10h22m10.40s NA  
## rastr10h22m25.89s NA  
## rastr10h22m43.55s NA  
## rastr10h23m28.44s NA  
## rastr10h23m55.23s NA  
## rastr10h23m56.19s NA  
## rastr10h26m59.34s NA  
## rastr10h28m15.03s NA  
## rastr10h28m34.58s NA  
## rastr10h29m38.96s NA  
## rastr10h31m44.56s NA  
## rastr10h32m54.01s NA  
## rastr10h37m21.89s NA  
## rastr10h37m38.24s NA  
## rastr10h40m14.36s NA  
## rastr10h42m14.10s NA  
## rastr10h42m24.57s NA  
## rastr10h42m48.51s NA  
## rastr10h42m59.54s NA  
## rastr10h44m20.80s NA  
## rastr10h46m15.05s NA  
## rastr10h46m42.70s NA  
## rastr10h46m49.66s NA  
## rastr10h47m38.17s NA  
## rastr10h50m34.58s NA  
## rastr10h52m07.75s NA  
## rastr10h53m17.79s NA  
## rastr10h55m53.92s NA  
## rastr10h57m15.03s NA  
## rastr10h57m23.79s NA  
## rastr10h58m20.77s NA  
## rastr10h58m28.59s NA  
## rastr10h58m34.40s NA  
## rastr10h58m47.70s NA  
## rastr10h59m25.52s NA  
## rastr10h59m27.54s NA  
## rastr10h59m35.07s NA  
## rastr11h00m40.13s NA  
## rastr11h01m15.80s NA  
## rastr11h01m35.85s NA  
## rastr11h02m45.72s NA  
## rastr11h03m27.81s NA  
## rastr11h04m44.48s NA  
## rastr11h05m15.02s NA  
## rastr11h05m16.51s NA  
## rastr11h05m17.56s NA  
## rastr11h05m43.11s NA  
## rastr11h05m45.96s NA  
## rastr11h07m27.44s NA  
## rastr11h07m53.82s NA  
## rastr11h09m18.70s NA  
## rastr11h10m13.09s NA  
## rastr11h10m23.19s NA  
## rastr11h10m25.97s NA  
## rastr11h11m05.88s NA  
## rastr11h13m10.30s NA  
## rastr11h14m15.33s NA  
## rastr11h14m33.04s NA  
## rastr11h15m55.45s NA  
## rastr11h16m28.09s NA  
## rastr11h17m45.33s NA  
## rastr11h17m47.41s NA  
## rastr11h17m47.76s NA  
## rastr11h18m31.86s NA  
## rastr11h20m24.74s NA  
## rastr11h20m33.81s NA  
## rastr11h20m51.54s NA  
## rastr11h21m17.84s NA  
## rastr11h21m49.18s NA  
## rastr11h22m05.45s NA  
## rastr11h24m03.55s NA  
## rastr11h24m17.17s NA  
## rastr11h24m31.29s NA  
## rastr11h25m05.98s NA  
## rastr11h25m56.98s NA  
## rastr11h26m03.64s NA  
## rastr11h26m04.72s NA  
## rastr11h26m45.52s NA  
## rastr11h27m22.81s NA  
## rastr11h28m29.20s NA  
## rastr11h28m30.28s NA  
## rastr11h29m20.49s NA  
## rastr11h30m14.43s NA  
## rastr11h32m46.06s NA  
## rastr11h35m03.69s NA  
## rastr11h35m26.86s NA  
## rastr11h35m49.78s NA  
## rastr11h35m51.51s NA  
## rastr11h36m02.37s NA  
## rastr11h36m48.21s NA  
## rastr11h36m56.93s NA  
## rastr11h38m58.93s NA  
## rastr11h39m50.46s NA  
## rastr11h41m43.83s NA  
## rastr11h42m06.06s NA  
## rastr11h42m12.13s NA  
## rastr11h43m30.15s NA  
## rastr11h43m37.93s NA  
## rastr11h44m40.93s NA  
## rastr11h44m50.33s NA  
## rastr11h44m57.66s NA  
## rastr11h44m59.99s NA  
## rastr11h45m11.77s NA  
## rastr11h45m42.10s NA  
## rastr11h45m55.69s NA  
## rastr11h46m23.53s NA  
## rastr11h46m28.99s NA  
## rastr11h46m30.80s NA  
## rastr11h46m46.60s NA  
## rastr11h46m57.32s NA  
## rastr11h47m45.02s NA  
## rastr11h50m15.53s NA  
## rastr11h50m20.51s NA  
## rastr11h51m22.49s NA  
## rastr11h52m13.65s NA  
## rastr11h52m52.85s NA  
## rastr11h53m19.12s NA  
## rastr11h54m18.72s NA  
## rastr11h56m41.12s NA  
## rastr11h56m55.46s NA  
## rastr11h57m45.19s NA  
## rastr11h58m11.51s NA  
## rastr11h59m10.17s NA  
## rastr12h00m39.62s NA  
## rastr12h00m50.11s NA  
## rastr12h02m11.09s NA  
## rastr12h05m15.79s NA  
## rastr12h06m17.24s NA  
## rastr12h08m39.90s NA  
## rastr12h09m36.51s NA  
## rastr12h10m38.69s NA  
## rastr12h11m00.34s NA  
## rastr12h12m21.27s NA  
## rastr12h13m27.85s NA  
## rastr12h13m29.53s NA  
## rastr12h13m37.18s NA  
## rastr12h13m53.39s NA  
## rastr12h14m15.35s NA  
## rastr12h15m06.30s NA  
## rastr12h19m13.43s NA  
## rastr12h19m23.33s NA  
## rastr12h20m42.91s NA  
## rastr12h21m17.92s NA  
## rastr12h22m58.57s NA  
## rastr12h25m45.84s NA  
## rastr12h25m50.72s NA  
## rastr12h25m56.65s NA  
## rastr12h26m17.78s NA  
## rastr12h27m08.95s NA  
## rastr12h27m29.50s NA  
## rastr12h27m31.00s NA  
## rastr12h30m19.83s NA  
## rastr12h30m27.02s NA  
## rastr12h30m44.81s NA  
## rastr12h32m06.52s NA  
## rastr12h32m32.96s NA  
## rastr12h33m03.89s NA  
## rastr12h33m32.74s NA  
## rastr12h33m35.00s NA  
## rastr12h33m35.38s NA  
## rastr12h35m41.37s NA  
## rastr12h37m16.16s NA  
## rastr12h38m51.22s NA  
## rastr12h39m14.69s NA  
## rastr12h39m15.71s NA  
## rastr12h40m08.78s NA  
## rastr12h40m36.47s NA  
## rastr12h42m28.51s NA  
## rastr12h42m59.10s NA  
## rastr12h46m48.68s NA  
## rastr12h47m55.57s NA  
## rastr12h48m45.50s NA  
## rastr12h48m51.83s NA  
## rastr12h50m21.43s NA  
## rastr12h51m55.49s NA  
## rastr12h53m10.88s NA  
## rastr12h54m12.59s NA  
## rastr12h55m35.72s NA  
## rastr12h56m57.96s NA  
## rastr12h57m31.80s NA  
## rastr12h57m52.34s NA  
## rastr12h58m57.51s NA  
## rastr13h01m26.34s NA  
## rastr13h01m46.52s NA  
## rastr13h03m10.56s NA  
## rastr13h03m55.64s NA  
## rastr13h04m56.14s NA  
## rastr13h07m10.77s NA  
## rastr13h09m16.11s NA  
## rastr13h10m39.65s NA  
## rastr13h11m59.18s NA  
## rastr13h12m02.68s NA  
## rastr13h12m43.64s NA  
## rastr13h12m44.02s NA  
## rastr13h13m33.26s NA  
## rastr13h16m47.09s NA  
## rastr13h16m51.74s NA  
## rastr13h17m20.12s NA  
## rastr13h17m44.10s NA  
## rastr13h18m23.15s NA  
## rastr13h19m12.44s NA  
## rastr13h19m56.49s NA  
## rastr13h20m39.53s NA  
## rastr13h22m32.37s NA  
## rastr13h22m56.05s NA  
## rastr13h24m21.04s NA  
## rastr13h25m07.83s NA  
## rastr13h26m37.24s NA  
## rastr13h26m52.97s NA  
## rastr13h28m25.56s NA  
## rastr13h29m20.85s NA  
## rastr13h30m00.97s NA  
## rastr13h30m25.22s NA  
## rastr13h32m25.44s NA  
## rastr13h32m25.59s NA  
## rastr13h34m02.39s NA  
## rastr13h34m11.21s NA  
## rastr13h35m01.97s NA  
## rastr13h36m34.05s NA  
## rastr13h36m53.16s NA  
## rastr13h37m45.04s NA  
## rastr13h38m48.14s NA  
## rastr13h41m30.21s NA  
## rastr13h41m49.02s NA  
## rastr13h42m38.88s NA  
## rastr13h44m22.56s NA  
## rastr13h46m56.59s NA  
## rastr13h47m15.23s NA  
## rastr13h47m23.09s NA  
## rastr13h48m18.79s NA  
## rastr13h49m23.94s NA  
## rastr13h49m53.72s NA  
## rastr13h50m19.40s NA  
## rastr13h50m37.32s NA  
## rastr13h51m37.84s NA  
## rastr13h53m51.69s NA  
## rastr13h55m05.70s NA  
## rastr13h55m25.62s NA  
## rastr13h55m36.35s NA  
## rastr13h55m42.72s NA  
## rastr13h57m16.78s NA  
## rastr13h57m33.27s NA  
## rastr13h58m04.08s NA  
## rastr14h00m46.46s NA  
## rastr14h01m02.33s NA  
## rastr14h08m10.11s NA  
## rastr14h11m16.97s NA  
## rastr14h12m34.53s NA  
## rastr14h12m37.57s NA  
## rastr14h16m14.30s NA  
## rastr14h18m09.30s NA  
## rastr14h18m43.92s NA  
## rastr14h20m29.46s NA  
## rastr14h20m53.45s NA  
## rastr14h21m22.42s NA  
## rastr14h23m12.36s NA  
## rastr14h26m05.72s NA  
## rastr14h26m35.38s NA  
## rastr14h26m48.12s NA  
## rastr14h27m32.46s NA  
## rastr14h27m41.64s NA  
## rastr14h28m37.33s NA  
## rastr14h29m18.40s NA  
## rastr14h29m18.50s NA  
## rastr14h29m34.43s NA  
## rastr14h30m26.21s NA  
## rastr14h30m44.37s NA  
## rastr14h31m42.19s NA  
## rastr14h32m51.79s NA  
## rastr14h33m06.39s NA  
## rastr14h34m16.44s NA  
## rastr14h36m00.78s NA  
## rastr14h37m04.87s NA  
## rastr14h44m13.98s NA  
## rastr14h46m02.50s NA  
## rastr14h47m32.59s NA  
## rastr14h47m46.53s NA  
## rastr14h48m50.42s NA  
## rastr14h51m04.16s NA  
## rastr14h53m23.08s NA  
## rastr14h54m38.09s NA  
## rastr14h55m16.79s NA  
## rastr14h56m48.40s NA  
## rastr14h56m54.63s NA  
## rastr14h57m25.44s NA  
## rastr14h58m21.43s NA  
## rastr14h59m29.49s NA  
## rastr15h00m19.17s NA  
## rastr15h02m44.82s NA  
## rastr15h03m35.63s NA  
## rastr15h03m35.99s NA  
## rastr15h05m20.92s NA  
## rastr15h08m51.72s NA  
## rastr15h09m04.88s NA  
## rastr15h10m07.72s NA  
## rastr15h10m38.08s NA  
## rastr15h10m44.34s NA  
## rastr15h12m59.58s NA  
## rastr15h13m28.21s NA  
## rastr15h17m05.90s NA  
## rastr15h17m48.28s NA  
## rastr15h18m17.16s NA  
## rastr15h18m55.35s NA  
## rastr15h19m25.55s NA  
## rastr15h19m57.89s NA  
## rastr15h20m08.42s NA  
## rastr15h20m13.36s NA  
## rastr15h20m41.38s NA  
## rastr15h21m45.63s NA  
## rastr15h21m55.18s NA  
## rastr15h22m51.78s NA  
## rastr15h23m50.71s NA  
## rastr15h24m55.76s NA  
## rastr15h26m58.09s NA  
## rastr15h28m35.19s NA  
## rastr15h30m18.59s NA  
## rastr15h32m17.84s NA  
## rastr15h35m16.17s NA  
## rastr15h35m31.65s NA  
## rastr15h35m39.62s NA  
## rastr15h39m25.89s NA  
## rastr15h46m26.38s NA  
## rastr15h46m53.65s NA  
## rastr15h47m28.56s NA  
## rastr15h49m37.32s NA  
## rastr15h50m17.58s NA  
## rastr15h51m13.92s NA  
## rastr15h52m17.65s NA  
## rastr15h52m56.22s NA  
## rastr15h53m36.57s NA  
## rastr15h57m35.16s NA  
## rastr15h57m40.56s NA  
## rastr15h58m18.62s NA  
## rastr15h59m50.94s NA  
## rastr16h00m07.99s NA  
## rastr16h00m22.95s NA  
## rastr16h01m02.42s NA  
## rastr16h01m50.12s NA  
## rastr16h02m11.83s NA  
## rastr16h05m17.50s NA  
## rastr16h09m03.49s NA  
## rastr16h10m03.89s NA  
## rastr16h10m11.56s NA  
## rastr16h10m17.30s NA  
## rastr16h10m17.63s NA  
## rastr16h10m24.50s NA  
## rastr16h11m36.47s NA  
## rastr16h12m41.82s NA  
## rastr16h13m09.89s NA  
## rastr16h13m50.90s NA  
## rastr16h15m50.33s NA  
## rastr16h16m41.42s NA  
## rastr16h20m36.34s NA  
## rastr16h21m45.73s NA  
## rastr16h22m59.76s NA  
## rastr16h24m01.39s NA  
## rastr16h25m25.39s NA  
## rastr16h25m44.44s NA  
## rastr16h25m45.13s NA  
## rastr16h26m46.09s NA  
## rastr16h28m17.35s NA  
## rastr16h28m28.11s NA  
## rastr16h30m17.96s NA  
## rastr16h30m29.52s NA  
## rastr16h31m18.14s NA  
## rastr16h31m28.10s NA  
## rastr16h32m51.04s NA  
## rastr16h37m08.52s NA  
## rastr16h37m15.57s NA  
## rastr16h48m01.92s NA  
## rastr16h49m42.24s NA  
## rastr16h53m29.58s NA  
## rastr16h53m43.59s NA  
## rastr16h55m04.52s NA  
## rastr16h55m08.37s NA  
## rastr16h56m31.32s NA  
## rastr16h57m52.96s NA  
## rastr16h58m08.72s NA  
## rastr17h02m36.59s NA  
## rastr17h04m27.94s NA  
## rastr17h04m31.03s NA  
## rastr17h05m23.13s NA  
## rastr17h06m26.57s NA  
## rastr17h07m04.95s NA  
## rastr17h09m34.34s NA  
## rastr17h09m41.01s NA  
## rastr17h10m04.97s NA  
## rastr17h11m15.89s NA  
## rastr17h12m23.20s NA  
## rastr17h15m19.54s NA  
## rastr17h16m00.49s NA  
## rastr17h16m04.14s NA  
## rastr17h17m03.52s NA  
## rastr17h17m40.40s NA  
## rastr17h19m00.25s NA  
## rastr17h19m37.23s NA  
## rastr17h19m51.35s NA  
## rastr17h20m27.88s NA  
## rastr17h20m34.16s NA  
## rastr17h22m08.74s NA  
## rastr17h24m50.07s NA  
## rastr17h25m45.49s NA  
## rastr17h28m40.81s NA  
## rastr17h30m10.77s NA  
## rastr17h33m21.49s NA  
## rastr17h35m01.94s NA  
## rastr17h35m13.73s NA  
## rastr17h35m35.05s NA  
## rastr17h36m25.00s NA  
## rastr17h37m02.65s NA  
## rastr17h37m03.12s NA  
## rastr17h37m05.64s NA  
## rastr17h37m08.97s NA  
## rastr17h37m54.36s NA  
## rastr17h38m59.20s NA  
## rastr17h41m58.22s NA  
## rastr17h44m08.68s NA  
## rastr17h49m08.37s NA  
## rastr17h50m33.72s NA  
## rastr17h50m38.38s NA  
## rastr17h51m28.26s NA  
## rastr17h52m06.99s NA  
## rastr17h53m13.04s NA  
## rastr17h53m40.35s NA  
## rastr17h55m33.77s NA  
## rastr17h59m01.58s NA  
## rastr18h00m38.73s NA  
## rastr18h01m31.22s NA  
## rastr18h01m46.60s NA  
## rastr18h02m31.31s NA  
## rastr18h03m06.89s NA  
## rastr18h05m17.80s NA  
## rastr18h05m21.52s NA  
## rastr18h05m22.66s NA  
## rastr18h05m35.50s NA  
## rastr18h05m57.44s NA  
## rastr18h06m09.04s NA  
## rastr18h09m04.09s NA  
## rastr18h10m31.83s NA  
## rastr18h13m59.73s NA  
## rastr18h15m32.35s NA  
## rastr18h16m49.63s NA  
## rastr18h16m53.12s NA  
## rastr18h17m29.58s NA  
## rastr18h17m37.33s NA  
## rastr18h18m48.30s NA  
## rastr18h18m58.42s NA  
## rastr18h20m03.84s NA  
## rastr18h21m49.76s NA  
## rastr18h22m39.41s NA  
## rastr18h25m59.40s NA  
## rastr18h27m14.41s NA  
## rastr18h27m49.48s NA  
## rastr18h29m10.93s NA  
## rastr18h29m54.74s NA  
## rastr18h30m24.28s NA  
## rastr18h31m00.24s NA  
## rastr18h31m46.47s NA  
## rastr18h32m15.45s NA  
## rastr18h33m28.53s NA  
## rastr18h33m33.43s NA  
## rastr18h33m59.00s NA  
## rastr18h34m05.92s NA  
## rastr18h34m31.62s NA  
## rastr18h34m43.64s NA  
## rastr18h34m45.20s NA  
## rastr18h34m47.82s NA  
## rastr18h35m19.06s NA  
## rastr18h35m36.50s NA  
## rastr18h36m53.07s NA  
## rastr18h37m02.99s NA  
## rastr18h37m25.95s NA  
## rastr18h38m20.21s NA  
## rastr18h39m00.12s NA  
## rastr18h39m07.84s NA  
## rastr18h39m19.62s NA  
## rastr18h40m49.59s NA  
## rastr18h40m59.88s NA  
## rastr18h41m02.01s NA  
## rastr18h41m15.56s NA  
## rastr18h42m02.80s NA  
## rastr18h42m31.12s NA  
## rastr18h42m33.94s NA  
## rastr18h42m40.11s NA  
## rastr18h42m44.95s NA  
## rastr18h42m45.82s NA  
## rastr18h42m50.06s NA  
## rastr18h43m08.80s NA  
## rastr18h43m10.37s NA  
## rastr18h43m12.36s NA  
## rastr18h43m17.61s NA  
## rastr18h43m36.14s NA  
## rastr18h43m42.28s NA  
## rastr18h44m11.81s NA  
## rastr18h44m12.08s NA  
## rastr18h44m17.41s NA  
## rastr18h44m26.82s NA  
## rastr18h44m26.95s NA  
## rastr18h44m42.32s NA  
## rastr18h44m46.74s NA  
## rastr18h45m07.13s NA  
## rastr18h45m09.15s NA  
## rastr18h45m10.99s NA  
## rastr18h45m11.65s NA  
## rastr18h45m17.42s NA  
## rastr18h45m23.70s NA  
## rastr18h45m49.73s NA  
## rastr18h45m55.79s NA  
## rastr18h46m14.75s NA  
## rastr18h46m16.80s NA  
## rastr18h46m19.87s NA  
## rastr18h46m22.59s NA  
## rastr18h46m32.09s NA  
## rastr18h46m34.97s NA  
## rastr18h46m35.43s NA  
## rastr18h46m39.11s NA  
## rastr18h46m46.57s NA  
## rastr18h47m03.92s NA  
## rastr18h47m19.54s NA  
## rastr18h47m20.48s NA  
## rastr18h47m35.36s NA  
## rastr18h47m35.59s NA  
## rastr18h47m39.75s NA  
## rastr18h47m50.54s NA  
## rastr18h47m53.10s NA  
## rastr18h48m01.12s NA  
## rastr18h48m08.00s NA  
## rastr18h48m08.52s NA  
## rastr18h48m14.71s NA  
## rastr18h48m24.04s NA  
## rastr18h48m26.72s NA  
## rastr18h48m28.28s NA  
## rastr18h48m32.54s NA  
## rastr18h48m33.73s NA  
## rastr18h48m44.57s NA  
## rastr18h48m48.03s NA  
## rastr18h48m51.13s NA  
## rastr18h48m55.80s NA  
## rastr18h48m56.83s NA  
## rastr18h48m57.53s NA  
## rastr18h49m00.03s NA  
## rastr18h49m12.30s NA  
## rastr18h49m19.88s NA  
## rastr18h49m20.53s NA  
## rastr18h49m27.25s NA  
## rastr18h49m28.94s NA  
## rastr18h49m30.61s NA  
## rastr18h49m34.07s NA  
## rastr18h49m34.73s NA  
## rastr18h49m41.51s NA  
## rastr18h49m45.39s NA  
## rastr18h49m48.17s NA  
## rastr18h49m50.52s NA  
## rastr18h49m52.36s NA  
## rastr18h49m58.14s NA  
## rastr18h50m31.11s NA  
## rastr18h50m31.53s NA  
## rastr18h50m37.77s NA  
## rastr18h50m47.87s NA  
## rastr18h50m47.97s NA  
## rastr18h50m53.79s NA  
## rastr18h51m08.84s NA  
## rastr18h51m10.86s NA  
## rastr18h51m26.37s NA  
## rastr18h51m27.15s NA  
## rastr18h51m42.00s NA  
## rastr18h51m46.93s NA  
## rastr18h51m49.66s NA  
## rastr18h51m51.89s NA  
## rastr18h51m53.64s NA  
## rastr18h51m54.97s NA  
## rastr18h51m56.07s NA  
## rastr18h51m59.41s NA  
## rastr18h51m59.94s NA  
## rastr18h52m00.70s NA  
## rastr18h52m05.48s NA  
## rastr18h52m09.56s NA  
## rastr18h52m16.48s NA  
## rastr18h52m24.92s NA  
## rastr18h52m27.30s NA  
## rastr18h52m29.02s NA  
## rastr18h52m31.11s NA  
## rastr18h52m31.66s NA  
## rastr18h52m32.51s NA  
## rastr18h52m36.25s NA  
## rastr18h52m38.85s NA  
## rastr18h52m44.31s NA  
## rastr18h52m46.10s NA  
## rastr18h52m49.68s NA  
## rastr18h52m50.20s NA  
## rastr18h52m50.78s NA  
## rastr18h52m53.12s NA  
## rastr18h53m00.85s NA  
## rastr18h53m01.32s NA  
## rastr18h53m01.63s NA  
## rastr18h53m01.82s NA  
## rastr18h53m03.48s NA  
## rastr18h53m05.90s NA  
## rastr18h53m10.09s NA  
## rastr18h53m13.31s NA  
## rastr18h53m15.93s NA  
## rastr18h53m20.64s NA  
## rastr18h53m21.67s NA  
## rastr18h53m22.69s NA  
## rastr18h53m22.95s NA  
## rastr18h53m28.42s NA  
## rastr18h53m29.97s NA  
## rastr18h53m43.00s NA  
## rastr18h53m44.58s NA  
## rastr18h53m48.77s NA  
## rastr18h53m52.63s NA  
## rastr18h53m54.76s NA  
## rastr18h53m59.94s NA  
## rastr18h54m01.16s NA  
## rastr18h54m01.73s NA  
## rastr18h54m07.91s NA  
## rastr18h54m10.61s NA  
## rastr18h54m15.69s NA  
## rastr18h54m17.81s NA  
## rastr18h54m21.01s NA  
## rastr18h54m23.22s NA  
## rastr18h54m25.27s NA  
## rastr18h54m30.78s NA  
## rastr18h54m31.39s NA  
## rastr18h54m50.58s NA  
## rastr18h54m52.22s NA  
## rastr18h54m55.61s NA  
## rastr18h54m57.77s NA  
## rastr18h54m57.94s NA  
## rastr18h54m58.98s NA  
## rastr18h55m01.15s NA  
## rastr18h55m03.37s NA  
## rastr18h55m04.93s NA  
## rastr18h55m08.90s NA  
## rastr18h55m11.47s NA  
## rastr18h55m14.29s NA  
## rastr18h55m19.93s NA  
## rastr18h55m22.82s NA  
## rastr18h55m27.45s NA  
## rastr18h55m27.83s NA  
## rastr18h55m27.94s NA  
## rastr18h55m32.45s NA  
## rastr18h55m35.86s NA  
## rastr18h55m35.91s NA  
## rastr18h55m40.81s NA  
## rastr18h55m40.88s NA  
## rastr18h55m44.83s NA  
## rastr18h55m46.18s NA  
## rastr18h55m54.60s NA  
## rastr18h55m55.90s NA  
## rastr18h55m56.72s NA  
## rastr18h55m58.82s NA  
## rastr18h56m07.77s NA  
## rastr18h56m10.14s NA  
## rastr18h56m13.60s NA  
## rastr18h56m14.22s NA  
## rastr18h56m14.67s NA  
## rastr18h56m22.70s NA  
## rastr18h56m23.38s NA  
## rastr18h56m25.88s NA  
## rastr18h56m31.91s NA  
## rastr18h56m43.98s NA  
## rastr18h56m50.32s NA  
## rastr18h56m52.67s NA  
## rastr18h56m53.60s NA  
## rastr18h57m00.33s NA  
## rastr18h57m01.74s NA  
## rastr18h57m05.74s NA  
## rastr18h57m08.92s NA  
## rastr18h57m11.05s NA  
## rastr18h57m11.26s NA  
## rastr18h57m18.84s NA  
## rastr18h57m22.25s NA  
## rastr18h57m24.25s NA  
## rastr18h57m32.68s NA  
## rastr18h57m34.63s NA  
## rastr18h57m35.94s NA  
## rastr18h57m38.39s NA  
## rastr18h57m39.76s NA  
## rastr18h57m41.46s NA  
## rastr18h57m43.30s NA  
## rastr18h57m43.32s NA  
## rastr18h57m44.03s NA  
## rastr18h57m46.54s NA  
## rastr18h57m50.27s NA  
## rastr18h57m53.34s NA  
## rastr18h57m54.40s NA  
## rastr18h57m54.83s NA  
## rastr18h57m55.78s NA  
## rastr18h57m57.68s NA  
## rastr18h57m59.93s NA  
## rastr18h58m02.45s NA  
## rastr18h58m05.09s NA  
## rastr18h58m07.70s NA  
## rastr18h58m13.39s NA  
## rastr18h58m15.77s NA  
## rastr18h58m16.07s NA  
## rastr18h58m19.82s NA  
## rastr18h58m20.60s NA  
## rastr18h58m22.48s NA  
## rastr18h58m25.49s NA  
## rastr18h58m27.77s NA  
## rastr18h58m27.89s NA  
## rastr18h58m32.45s NA  
## rastr18h58m37.91s NA  
## rastr18h58m42.09s NA  
## rastr18h58m42.54s NA  
## rastr18h58m45.32s NA  
## rastr18h58m49.65s NA  
## rastr18h58m55.59s NA  
## rastr18h58m57.39s NA  
## rastr18h58m59.49s NA  
## rastr18h59m01.16s NA  
## rastr18h59m06.74s NA  
## rastr18h59m09.19s NA  
## rastr18h59m18.73s NA  
## rastr18h59m21.23s NA  
## rastr18h59m23.17s NA  
## rastr18h59m26.43s NA  
## rastr18h59m29.13s NA  
## rastr18h59m36.74s NA  
## rastr18h59m37.37s NA  
## rastr18h59m38.53s NA  
## rastr18h59m40.66s NA  
## rastr18h59m41.27s NA  
## rastr18h59m42.86s NA  
## rastr18h59m45.86s NA  
## rastr18h59m51.13s NA  
## rastr18h59m52.44s NA  
## rastr18h59m53.40s NA  
## rastr18h59m54.73s NA  
## rastr18h59m56.49s NA  
## rastr18h59m59.69s NA  
## rastr18h59m59.92s NA  
## rastr19h00m00.81s NA  
## rastr19h00m03.15s NA  
## rastr19h00m04.12s NA  
## rastr19h00m08.65s NA  
## rastr19h00m09.99s NA  
## rastr19h00m13.70s NA  
## rastr19h00m15.57s NA  
## rastr19h00m20.77s NA  
## rastr19h00m23.16s NA  
## rastr19h00m25.01s NA  
## rastr19h00m26.52s NA  
## rastr19h00m28.73s NA  
## rastr19h00m29.28s NA  
## rastr19h00m34.25s NA  
## rastr19h00m35.19s NA  
## rastr19h00m37.63s NA  
## rastr19h00m40.10s NA  
## rastr19h00m40.40s NA  
## rastr19h00m41.60s NA  
## rastr19h00m42.28s NA  
## rastr19h00m43.89s NA  
## rastr19h00m44.74s NA  
## rastr19h00m45.59s NA  
## rastr19h00m49.78s NA  
## rastr19h00m52.00s NA  
## rastr19h00m52.74s NA  
## rastr19h00m53.07s NA  
## rastr19h00m55.79s NA  
## rastr19h00m57.80s NA  
## rastr19h00m59.22s NA  
## rastr19h01m00.90s NA  
## rastr19h01m04.45s NA  
## rastr19h01m06.33s NA  
## rastr19h01m08.08s NA  
## rastr19h01m08.81s NA  
## rastr19h01m10.06s NA  
## rastr19h01m10.96s NA  
## rastr19h01m11.10s NA  
## rastr19h01m14.68s NA  
## rastr19h01m15.32s NA  
## rastr19h01m19.36s NA  
## rastr19h01m19.56s NA  
## rastr19h01m23.00s NA  
## rastr19h01m23.27s NA  
## rastr19h01m23.32s NA  
## rastr19h01m23.77s NA  
## rastr19h01m24.02s NA  
## rastr19h01m27.90s NA  
## rastr19h01m27.98s NA  
## rastr19h01m29.25s NA  
## rastr19h01m32.97s NA  
## rastr19h01m33.91s NA  
## rastr19h01m37.19s NA  
## rastr19h01m38.56s NA  
## rastr19h01m40.70s NA  
## rastr19h01m41.80s NA  
## rastr19h01m44.51s NA  
## rastr19h01m45.39s NA  
## rastr19h01m54.01s NA  
## rastr19h01m54.36s NA  
## rastr19h01m56.41s NA  
## rastr19h01m59.83s NA  
## rastr19h02m03.11s NA  
## rastr19h02m04.05s NA  
## rastr19h02m13.15s NA  
## rastr19h02m13.80s NA  
## rastr19h02m13.87s NA  
## rastr19h02m17.76s NA  
## rastr19h02m17.83s NA  
## rastr19h02m24.62s NA  
## rastr19h02m27.71s NA  
## rastr19h02m28.17s NA  
## rastr19h02m30.84s NA  
## rastr19h02m37.40s NA  
## rastr19h02m38.81s NA  
## rastr19h02m39.04s NA  
## rastr19h02m40.12s NA  
## rastr19h02m41.50s NA  
## rastr19h02m41.70s NA  
## rastr19h02m43.03s NA  
## rastr19h02m45.58s NA  
## rastr19h02m46.07s NA  
## rastr19h02m48.86s NA  
## rastr19h02m50.88s NA  
## rastr19h02m51.24s NA  
## rastr19h02m52.19s NA  
## rastr19h02m52.46s NA  
## rastr19h02m52.98s NA  
## rastr19h02m53.46s NA  
## rastr19h02m54.83s NA  
## rastr19h02m57.53s NA  
## rastr19h03m00.37s NA  
## rastr19h03m00.49s NA  
## rastr19h03m05.74s NA  
## rastr19h03m09.78s NA  
## rastr19h03m11.34s NA  
## rastr19h03m11.88s NA  
## rastr19h03m12.77s NA  
## rastr19h03m17.37s NA  
## rastr19h03m19.32s NA  
## rastr19h03m24.89s NA  
## rastr19h03m28.64s NA  
## rastr19h03m33.22s NA  
## rastr19h03m35.84s NA  
## rastr19h03m38.78s NA  
## rastr19h03m42.90s NA  
## rastr19h03m43.38s NA  
## rastr19h03m52.30s NA  
## rastr19h03m52.49s NA  
## rastr19h03m59.98s NA  
## rastr19h04m00.72s NA  
## rastr19h04m01.18s NA  
## rastr19h04m01.62s NA  
## rastr19h04m03.79s NA  
## rastr19h04m05.77s NA  
## rastr19h04m06.05s NA  
## rastr19h04m06.27s NA  
## rastr19h04m09.81s NA  
## rastr19h04m11.31s NA  
## rastr19h04m12.59s NA  
## rastr19h04m18.04s NA  
## rastr19h04m18.98s NA  
## rastr19h04m26.47s NA  
## rastr19h04m27.70s NA  
## rastr19h04m28.46s NA  
## rastr19h04m30.12s NA  
## rastr19h04m31.37s NA  
## rastr19h04m36.03s NA  
## rastr19h04m38.91s NA  
## rastr19h04m40.93s NA  
## rastr19h04m53.01s NA  
## rastr19h04m53.57s NA  
## rastr19h04m53.91s NA  
## rastr19h04m58.43s NA  
## rastr19h04m59.32s NA  
## rastr19h04m59.96s NA  
## rastr19h05m00.38s NA  
## rastr19h05m01.06s NA  
## rastr19h05m05.20s NA  
## rastr19h05m05.21s NA  
## rastr19h05m05.74s NA  
## rastr19h05m08.33s NA  
## rastr19h05m08.62s NA  
## rastr19h05m19.22s NA  
## rastr19h05m20.73s NA  
## rastr19h05m21.25s NA  
## rastr19h05m22.63s NA  
## rastr19h05m25.93s NA  
## rastr19h05m26.21s NA  
## rastr19h05m26.41s NA  
## rastr19h05m26.77s NA  
## rastr19h05m28.02s NA  
## rastr19h05m28.20s NA  
## rastr19h05m29.24s NA  
## rastr19h05m30.24s NA  
## rastr19h05m30.79s NA  
## rastr19h05m32.86s NA  
## rastr19h05m35.66s NA  
## rastr19h05m36.56s NA  
## rastr19h05m38.41s NA  
## rastr19h05m44.09s NA  
## rastr19h05m48.67s NA  
## rastr19h05m53.15s NA  
## rastr19h05m55.74s NA  
## rastr19h05m56.07s NA  
## rastr19h05m57.71s NA  
## rastr19h06m05.92s NA  
## rastr19h06m06.84s NA  
## rastr19h06m09.61s NA  
## rastr19h06m10.48s NA  
## rastr19h06m12.25s NA  
## rastr19h06m13.92s NA  
## rastr19h06m15.77s NA  
## rastr19h06m17.94s NA  
## rastr19h06m18.24s NA  
## rastr19h06m19.35s NA  
## rastr19h06m19.97s NA  
## rastr19h06m20.50s NA  
## rastr19h06m22.62s NA  
## rastr19h06m25.00s NA  
## rastr19h06m26.13s NA  
## rastr19h06m27.28s NA  
## rastr19h06m30.18s NA  
## rastr19h06m31.22s NA  
## rastr19h06m33.21s NA  
## rastr19h06m35.14s NA  
## rastr19h06m39.07s NA  
## rastr19h06m41.16s NA  
## rastr19h06m44.51s NA  
## rastr19h06m45.50s NA  
## rastr19h06m46.84s NA  
## rastr19h06m50.57s NA  
## rastr19h06m51.76s NA  
## rastr19h06m52.01s NA  
## rastr19h06m52.22s NA  
## rastr19h06m57.12s NA  
## rastr19h06m58.04s NA  
## rastr19h06m59.65s NA  
## rastr19h07m00.66s NA  
## rastr19h07m14.05s NA  
## rastr19h07m16.66s NA  
## rastr19h07m24.65s NA  
## rastr19h07m27.69s NA  
## rastr19h07m32.94s NA  
## rastr19h07m34.08s NA  
## rastr19h07m40.12s NA  
## rastr19h07m41.80s NA  
## rastr19h07m46.88s NA  
## rastr19h07m47.94s NA  
## rastr19h07m50.02s NA  
## rastr19h07m51.33s NA  
## rastr19h07m52.03s NA  
## rastr19h07m53.09s NA  
## rastr19h07m53.13s NA  
## rastr19h07m59.87s NA  
## rastr19h08m02.19s NA  
## rastr19h08m09.48s NA  
## rastr19h08m12.41s NA  
## rastr19h08m13.07s NA  
## rastr19h08m13.70s NA  
## rastr19h08m15.94s NA  
## rastr19h08m20.71s NA  
## rastr19h08m20.99s NA  
## rastr19h08m21.60s NA  
## rastr19h08m22.56s NA  
## rastr19h08m24.25s NA  
## rastr19h08m31.26s NA  
## rastr19h08m31.34s NA  
## rastr19h08m32.39s NA  
## rastr19h08m33.75s NA  
## rastr19h08m34.28s NA  
## rastr19h08m37.01s NA  
## rastr19h08m49.39s NA  
## rastr19h08m52.49s NA  
## rastr19h08m56.56s NA  
## rastr19h08m57.88s NA  
## rastr19h08m58.23s NA  
## rastr19h09m01.60s NA  
## rastr19h09m03.17s NA  
## rastr19h09m05.43s NA  
## rastr19h09m08.46s NA  
## rastr19h09m10.19s NA  
## rastr19h09m10.90s NA  
## rastr19h09m11.47s NA  
## rastr19h09m12.67s NA  
## rastr19h09m13.90s NA  
## rastr19h09m18.37s NA  
## rastr19h09m19.85s NA  
## rastr19h09m22.96s NA  
## rastr19h09m23.27s NA  
## rastr19h09m26.71s NA  
## rastr19h09m26.87s NA  
## rastr19h09m27.10s NA  
## rastr19h09m27.38s NA  
## rastr19h09m28.66s NA  
## rastr19h09m29.12s NA  
## rastr19h09m31.71s NA  
## rastr19h09m33.91s NA  
## rastr19h09m34.09s NA  
## rastr19h09m36.72s NA  
## rastr19h09m37.26s NA  
## rastr19h09m38.40s NA  
## rastr19h09m45.35s NA  
## rastr19h09m46.59s NA  
## rastr19h09m48.66s NA  
## rastr19h09m51.85s NA  
## rastr19h09m53.08s NA  
## rastr19h09m54.60s NA  
## rastr19h09m54.63s NA  
## rastr19h09m54.88s NA  
## rastr19h09m56.26s NA  
## rastr19h10m00.27s NA  
## rastr19h10m05.29s NA  
## rastr19h10m06.36s NA  
## rastr19h10m07.11s NA  
## rastr19h10m08.39s NA  
## rastr19h10m08.59s NA  
## rastr19h10m15.51s NA  
## rastr19h10m16.72s NA  
## rastr19h10m17.08s NA  
## rastr19h10m20.38s NA  
## rastr19h10m21.66s NA  
## rastr19h10m22.37s NA  
## rastr19h10m25.12s NA  
## rastr19h10m25.37s NA  
## rastr19h10m25.96s NA  
## rastr19h10m29.00s NA  
## rastr19h10m32.51s NA  
## rastr19h10m36.86s NA  
## rastr19h10m37.20s NA  
## rastr19h10m37.74s NA  
## rastr19h10m39.20s NA  
## rastr19h10m47.52s NA  
## rastr19h10m49.66s NA  
## rastr19h10m57.02s NA  
## rastr19h11m03.04s NA  
## rastr19h11m03.51s NA  
## rastr19h11m05.66s NA  
## rastr19h11m07.39s NA  
## rastr19h11m09.69s NA  
## rastr19h11m10.52s NA  
## rastr19h11m11.58s NA  
## rastr19h11m13.33s NA  
## rastr19h11m13.73s NA  
## rastr19h11m18.35s NA  
## rastr19h11m21.22s NA  
## rastr19h11m25.68s NA  
## rastr19h11m25.88s NA  
## rastr19h11m25.91s NA  
## rastr19h11m28.18s NA  
## rastr19h11m31.05s NA  
## rastr19h11m32.94s NA  
## rastr19h11m33.98s NA  
## rastr19h11m35.31s NA  
## rastr19h11m37.46s NA  
## rastr19h11m39.91s NA  
## rastr19h11m40.31s NA  
## rastr19h11m44.92s NA  
## rastr19h11m46.94s NA  
## rastr19h11m49.58s NA  
## rastr19h11m52.34s NA  
## rastr19h11m54.11s NA  
## rastr19h11m54.17s NA  
## rastr19h11m59.49s NA  
## rastr19h12m01.94s NA  
## rastr19h12m02.86s NA  
## rastr19h12m07.13s NA  
## rastr19h12m14.21s NA  
## rastr19h12m18.34s NA  
## rastr19h12m22.94s NA  
## rastr19h12m27.85s NA  
## rastr19h12m29.02s NA  
## rastr19h12m32.08s NA  
## rastr19h12m33.19s NA  
## rastr19h12m34.74s NA  
## rastr19h12m36.95s NA  
## rastr19h12m37.60s NA  
## rastr19h12m38.99s NA  
## rastr19h12m39.35s NA  
## rastr19h12m39.52s NA  
## rastr19h12m49.82s NA  
## rastr19h12m50.87s NA  
## rastr19h12m55.35s NA  
## rastr19h12m55.62s NA  
## rastr19h12m55.85s NA  
## rastr19h12m56.18s NA  
## rastr19h12m56.80s NA  
## rastr19h12m58.50s NA  
## rastr19h13m00.15s NA  
## rastr19h13m01.10s NA  
## rastr19h13m07.34s NA  
## rastr19h13m12.51s NA  
## rastr19h13m14.09s NA  
## rastr19h13m16.90s NA  
## rastr19h13m18.69s NA  
## rastr19h13m28.85s NA  
## rastr19h13m29.40s NA  
## rastr19h13m34.87s NA  
## rastr19h13m35.27s NA  
## rastr19h13m36.20s NA  
## rastr19h13m39.96s NA  
## rastr19h13m40.00s NA  
## rastr19h13m40.24s NA  
## rastr19h13m41.09s NA  
## rastr19h13m44.06s NA  
## rastr19h13m44.57s NA  
## rastr19h13m47.38s NA  
## rastr19h13m48.14s NA  
## rastr19h13m49.47s NA  
## rastr19h13m51.76s NA  
## rastr19h13m52.59s NA  
## rastr19h13m53.16s NA  
## rastr19h13m53.98s NA  
## rastr19h13m55.11s NA  
## rastr19h13m58.99s NA  
## rastr19h14m02.40s NA  
## rastr19h14m02.56s NA  
## rastr19h14m03.64s NA  
## rastr19h14m07.41s NA  
## rastr19h14m09.25s NA  
## rastr19h14m09.29s NA  
## rastr19h14m11.85s NA  
## rastr19h14m14.79s NA  
## rastr19h14m17.66s NA  
## rastr19h14m17.86s NA  
## rastr19h14m19.56s NA  
## rastr19h14m20.15s NA  
## rastr19h14m21.19s NA  
## rastr19h14m23.30s NA  
## rastr19h14m26.52s NA  
## rastr19h14m28.29s NA  
## rastr19h14m34.21s NA  
## rastr19h14m35.10s NA  
## rastr19h14m38.60s NA  
## rastr19h14m38.78s NA  
## rastr19h14m39.48s NA  
## rastr19h14m40.55s NA  
## rastr19h14m40.96s NA  
## rastr19h14m41.28s NA  
## rastr19h14m45.29s NA  
## rastr19h14m46.79s NA  
## rastr19h14m47.68s NA  
## rastr19h14m50.27s NA  
## rastr19h14m56.17s NA  
## rastr19h14m57.35s NA  
## rastr19h15m00.00s NA  
## rastr19h15m00.17s NA  
## rastr19h15m01.18s NA  
## rastr19h15m01.20s NA  
## rastr19h15m04.08s NA  
## rastr19h15m05.04s NA  
## rastr19h15m05.24s NA  
## rastr19h15m10.34s NA  
## rastr19h15m14.82s NA  
## rastr19h15m14.87s NA  
## rastr19h15m16.95s NA  
## rastr19h15m17.50s NA  
## rastr19h15m19.54s NA  
## rastr19h15m20.15s NA  
## rastr19h15m21.43s NA  
## rastr19h15m23.73s NA  
## rastr19h15m25.27s NA  
## rastr19h15m28.38s NA  
## rastr19h15m29.86s NA  
## rastr19h15m32.03s NA  
## rastr19h15m32.78s NA  
## rastr19h15m33.36s NA  
## rastr19h15m39.94s NA  
## rastr19h15m41.21s NA  
## rastr19h15m41.78s NA  
## rastr19h15m49.33s NA  
## rastr19h15m50.70s NA  
## rastr19h15m53.19s NA  
## rastr19h15m56.29s NA  
## rastr19h15m58.21s NA  
## rastr19h15m58.60s NA  
## rastr19h16m00.23s NA  
## rastr19h16m04.83s NA  
## rastr19h16m07.13s NA  
## rastr19h16m07.93s NA  
## rastr19h16m10.14s NA  
## rastr19h16m15.43s NA  
## rastr19h16m15.55s NA  
## rastr19h16m16.01s NA  
## rastr19h16m17.30s NA  
## rastr19h16m17.75s NA  
## rastr19h16m18.20s NA  
## rastr19h16m18.61s NA  
## rastr19h16m20.07s NA  
## rastr19h16m20.65s NA  
## rastr19h16m23.24s NA  
## rastr19h16m25.00s NA  
## rastr19h16m26.93s NA  
## rastr19h16m32.31s NA  
## rastr19h16m34.24s NA  
## rastr19h16m35.32s NA  
## rastr19h16m35.65s NA  
## rastr19h16m43.84s NA  
## rastr19h16m44.80s NA  
## rastr19h16m46.22s NA  
## rastr19h16m46.90s NA  
## rastr19h16m47.90s NA  
## rastr19h16m48.58s NA  
## rastr19h16m52.13s NA  
## rastr19h16m52.85s NA  
## rastr19h16m54.31s NA  
## rastr19h16m54.66s NA  
## rastr19h16m56.01s NA  
## rastr19h16m59.74s NA  
## rastr19h17m04.50s NA  
## rastr19h17m05.88s NA  
## rastr19h17m09.56s NA  
## rastr19h17m09.77s NA  
## rastr19h17m11.09s NA  
## rastr19h17m11.38s NA  
## rastr19h17m14.77s NA  
## rastr19h17m15.44s NA  
## rastr19h17m15.71s NA  
## rastr19h17m21.95s NA  
## rastr19h17m23.37s NA  
## rastr19h17m24.49s NA  
## rastr19h17m26.08s NA  
## rastr19h17m27.46s NA  
## rastr19h17m30.37s NA  
## rastr19h17m30.48s NA  
## rastr19h17m32.04s NA  
## rastr19h17m33.12s NA  
## rastr19h17m34.69s NA  
## rastr19h17m35.94s NA  
## rastr19h17m36.18s NA  
## rastr19h17m37.61s NA  
## rastr19h17m38.65s NA  
## rastr19h17m40.30s NA  
## rastr19h17m41.77s NA  
## rastr19h17m41.90s NA  
## rastr19h17m43.62s NA  
## rastr19h17m44.32s NA  
## rastr19h17m45.15s NA  
## rastr19h17m45.36s NA  
## rastr19h17m45.97s NA  
## rastr19h17m46.74s NA  
## rastr19h17m55.01s NA  
## rastr19h17m56.60s NA  
## rastr19h18m00.16s NA  
## rastr19h18m01.53s NA  
## rastr19h18m02.05s NA  
## rastr19h18m05.09s NA  
## rastr19h18m09.32s NA  
## rastr19h18m11.62s NA  
## rastr19h18m12.72s NA  
## rastr19h18m12.78s NA  
## rastr19h18m16.45s NA  
## rastr19h18m22.34s NA  
## rastr19h18m22.74s NA  
## rastr19h18m24.92s NA  
## rastr19h18m25.91s NA  
## rastr19h18m30.05s NA  
## rastr19h18m34.42s NA  
## rastr19h18m36.30s NA  
## rastr19h18m39.45s NA  
## rastr19h18m39.58s NA  
## rastr19h18m42.86s NA  
## rastr19h18m43.04s NA  
## rastr19h18m44.82s NA  
## rastr19h18m47.41s NA  
## rastr19h18m50.88s NA  
## rastr19h18m55.61s NA  
## rastr19h18m58.28s NA  
## rastr19h18m59.36s NA  
## rastr19h19m00.68s NA  
## rastr19h19m05.58s NA  
## rastr19h19m06.41s NA  
## rastr19h19m07.33s NA  
## rastr19h19m08.68s NA  
## rastr19h19m10.02s NA  
## rastr19h19m16.66s NA  
## rastr19h19m17.75s NA  
## rastr19h19m18.90s NA  
## rastr19h19m19.23s NA  
## rastr19h19m19.50s NA  
## rastr19h19m20.50s NA  
## rastr19h19m22.30s NA  
## rastr19h19m22.38s NA  
## rastr19h19m26.14s NA  
## rastr19h19m26.18s NA  
## rastr19h19m26.77s NA  
## rastr19h19m28.71s NA  
## rastr19h19m28.98s NA  
## rastr19h19m30.00s NA  
## rastr19h19m31.34s NA  
## rastr19h19m32.26s NA  
## rastr19h19m40.46s NA  
## rastr19h19m40.96s NA  
## rastr19h19m41.14s NA  
## rastr19h19m43.41s NA  
## rastr19h19m49.55s NA  
## rastr19h19m55.04s NA  
## rastr19h19m59.97s NA  
## rastr19h20m00.10s NA  
## rastr19h20m01.82s NA  
## rastr19h20m06.21s NA  
## rastr19h20m07.32s NA  
## rastr19h20m10.39s NA  
## rastr19h20m10.52s NA  
## rastr19h20m12.28s NA  
## rastr19h20m14.52s NA  
## rastr19h20m16.32s NA  
## rastr19h20m19.86s NA  
## rastr19h20m20.34s NA  
## rastr19h20m21.79s NA  
## rastr19h20m23.53s NA  
## rastr19h20m24.48s NA  
## rastr19h20m25.57s NA  
## rastr19h20m25.73s NA  
## rastr19h20m28.70s NA  
## rastr19h20m29.33s NA  
## rastr19h20m31.54s NA  
## rastr19h20m34.64s NA  
## rastr19h20m35.17s NA  
## rastr19h20m35.97s NA  
## rastr19h20m37.53s NA  
## rastr19h20m39.68s NA  
## rastr19h20m41.75s NA  
## rastr19h20m42.28s NA  
## rastr19h20m48.37s NA  
## rastr19h20m51.64s NA  
## rastr19h20m52.01s NA  
## rastr19h20m56.61s NA  
## rastr19h20m57.03s NA  
## rastr19h20m59.29s NA  
## rastr19h20m59.54s NA  
## rastr19h21m03.19s NA  
## rastr19h21m03.64s NA  
## rastr19h21m04.18s NA  
## rastr19h21m04.93s NA  
## rastr19h21m07.12s NA  
## rastr19h21m09.23s NA  
## rastr19h21m10.70s NA  
## rastr19h21m11.14s NA  
## rastr19h21m17.45s NA  
## rastr19h21m18.35s NA  
## rastr19h21m18.54s NA  
## rastr19h21m18.87s NA  
## rastr19h21m20.07s NA  
## rastr19h21m23.64s NA  
## rastr19h21m25.91s NA  
## rastr19h21m25.96s NA  
## rastr19h21m30.32s NA  
## rastr19h21m31.54s NA  
## rastr19h21m34.24s NA  
## rastr19h21m34.36s NA  
## rastr19h21m35.10s NA  
## rastr19h21m36.36s NA  
## rastr19h21m38.90s NA  
## rastr19h21m39.18s NA  
## rastr19h21m41.03s NA  
## rastr19h21m44.20s NA  
## rastr19h21m45.03s NA  
## rastr19h21m45.75s NA  
## rastr19h21m47.83s NA  
## rastr19h21m50.83s NA  
## rastr19h21m51.62s NA  
## rastr19h21m53.15s NA  
## rastr19h21m53.88s NA  
## rastr19h21m54.58s NA  
## rastr19h21m55.18s NA  
## rastr19h21m56.83s NA  
## rastr19h21m58.36s NA  
## rastr19h21m58.82s NA  
## rastr19h21m59.98s NA  
## rastr19h22m00.86s NA  
## rastr19h22m02.47s NA  
## rastr19h22m02.51s NA  
## rastr19h22m03.95s NA  
## rastr19h22m07.08s NA  
## rastr19h22m10.48s NA  
## rastr19h22m11.64s NA  
## rastr19h22m12.47s NA  
## rastr19h22m12.57s NA  
## rastr19h22m14.27s NA  
## rastr19h22m15.92s NA  
## rastr19h22m18.41s NA  
## rastr19h22m19.62s NA  
## rastr19h22m20.67s NA  
## rastr19h22m20.83s NA  
## rastr19h22m21.69s NA  
## rastr19h22m22.11s NA  
## rastr19h22m24.27s NA  
## rastr19h22m25.91s NA  
## rastr19h22m28.29s NA  
## rastr19h22m29.25s NA  
## rastr19h22m30.00s NA  
## rastr19h22m31.99s NA  
## rastr19h22m32.76s NA  
## rastr19h22m38.01s NA  
## rastr19h22m39.38s NA  
## rastr19h22m40.44s NA  
## rastr19h22m41.55s NA  
## rastr19h22m42.28s NA  
## rastr19h22m43.73s NA  
## rastr19h22m44.45s NA  
## rastr19h22m46.51s NA  
## rastr19h22m49.98s NA  
## rastr19h22m53.09s NA  
## rastr19h22m54.89s NA  
## rastr19h22m55.20s NA  
## rastr19h22m56.44s NA  
## rastr19h22m58.63s NA  
## rastr19h22m59.45s NA  
## rastr19h23m03.83s NA  
## rastr19h23m08.58s NA  
## rastr19h23m14.44s NA  
## rastr19h23m17.81s NA  
## rastr19h23m18.20s NA  
## rastr19h23m19.98s NA  
## rastr19h23m23.78s NA  
## rastr19h23m24.43s NA  
## rastr19h23m24.99s NA  
## rastr19h23m28.23s NA  
## rastr19h23m28.92s NA  
## rastr19h23m29.14s NA  
## rastr19h23m29.35s NA  
## rastr19h23m32.31s NA  
## rastr19h23m33.19s NA  
## rastr19h23m33.46s NA  
## rastr19h23m39.47s NA  
## rastr19h23m40.64s NA  
## rastr19h23m42.54s NA  
## rastr19h23m42.58s NA  
## rastr19h23m44.22s NA  
## rastr19h23m46.67s NA  
## rastr19h23m47.98s NA  
## rastr19h23m48.87s NA  
## rastr19h23m49.55s NA  
## rastr19h23m49.83s NA  
## rastr19h23m49.90s NA  
## rastr19h23m51.89s NA  
## rastr19h23m53.63s NA  
## rastr19h23m53.74s NA  
## rastr19h23m55.02s NA  
## rastr19h23m56.01s NA  
## rastr19h23m57.42s NA  
## rastr19h23m58.00s NA  
## rastr19h23m58.85s NA  
## rastr19h23m58.89s NA  
## rastr19h24m04.56s NA  
## rastr19h24m04.84s NA  
## rastr19h24m04.96s NA  
## rastr19h24m05.25s NA  
## rastr19h24m06.87s NA  
## rastr19h24m07.65s NA  
## rastr19h24m07.75s NA  
## rastr19h24m08.07s NA  
## rastr19h24m11.98s NA  
## rastr19h24m13.71s NA  
## rastr19h24m14.89s NA  
## rastr19h24m15.09s NA  
## rastr19h24m15.28s NA  
## rastr19h24m17.92s NA  
## rastr19h24m19.23s NA  
## rastr19h24m20.10s NA  
## rastr19h24m22.17s NA  
## rastr19h24m22.24s NA  
## rastr19h24m23.33s NA  
## rastr19h24m26.85s NA  
## rastr19h24m33.03s NA  
## rastr19h24m33.23s NA  
## rastr19h24m34.84s NA  
## rastr19h24m35.54s NA  
## rastr19h24m35.89s NA  
## rastr19h24m36.67s NA  
## rastr19h24m38.10s NA  
## rastr19h24m38.25s NA  
## rastr19h24m38.97s NA  
## rastr19h24m39.45s NA  
## rastr19h24m40.67s NA  
## rastr19h24m41.59s NA  
## rastr19h24m44.00s NA  
## rastr19h24m44.39s NA  
## rastr19h24m46.82s NA  
## rastr19h24m47.35s NA  
## rastr19h24m47.71s NA  
## rastr19h24m48.30s NA  
## rastr19h24m49.01s NA  
## rastr19h24m53.08s NA  
## rastr19h24m53.85s NA  
## rastr19h24m54.02s NA  
## rastr19h24m58.31s NA  
## rastr19h24m58.83s NA  
## rastr19h25m00.04s NA  
## rastr19h25m00.07s NA  
## rastr19h25m01.06s NA  
## rastr19h25m01.35s NA  
## rastr19h25m01.49s NA  
## rastr19h25m04.34s NA  
## rastr19h25m04.74s NA  
## rastr19h25m06.95s NA  
## rastr19h25m07.69s NA  
## rastr19h25m08.97s NA  
## rastr19h25m12.51s NA  
## rastr19h25m22.23s NA  
## rastr19h25m23.99s NA  
## rastr19h25m25.11s NA  
## rastr19h25m27.54s NA  
## rastr19h25m31.75s NA  
## rastr19h25m32.67s NA  
## rastr19h25m33.06s NA  
## rastr19h25m33.73s NA  
## rastr19h25m33.80s NA  
## rastr19h25m35.48s NA  
## rastr19h25m35.85s NA  
## rastr19h25m37.33s NA  
## rastr19h25m37.90s NA  
## rastr19h25m38.27s NA  
## rastr19h25m40.35s NA  
## rastr19h25m40.47s NA  
## rastr19h25m41.66s NA  
## rastr19h25m43.54s NA  
## rastr19h25m43.99s NA  
## rastr19h25m45.59s NA  
## rastr19h25m52.19s NA  
## rastr19h25m52.52s NA  
## rastr19h25m53.82s NA  
## rastr19h25m54.89s NA  
## rastr19h25m58.70s NA  
## rastr19h25m59.87s NA  
## rastr19h26m01.45s NA  
## rastr19h26m01.93s NA  
## rastr19h26m03.89s NA  
## rastr19h26m08.26s NA  
## rastr19h26m11.54s NA  
## rastr19h26m11.86s NA  
## rastr19h26m13.07s NA  
## rastr19h26m13.67s NA  
## rastr19h26m17.80s NA  
## rastr19h26m18.92s NA  
## rastr19h26m19.00s NA  
## rastr19h26m20.46s NA  
## rastr19h26m21.26s NA  
## rastr19h26m22.60s NA  
## rastr19h26m22.89s NA  
## rastr19h26m25.08s NA  
## rastr19h26m25.61s NA  
## rastr19h26m25.71s NA  
## rastr19h26m26.85s NA  
## rastr19h26m29.37s NA  
## rastr19h26m30.91s NA  
## rastr19h26m32.32s NA  
## rastr19h26m33.36s NA  
## rastr19h26m33.82s NA  
## rastr19h26m35.10s NA  
## rastr19h26m35.23s NA  
## rastr19h26m36.76s NA  
## rastr19h26m36.85s NA  
## rastr19h26m37.87s NA  
## rastr19h26m38.27s NA  
## rastr19h26m40.64s NA  
## rastr19h26m42.14s NA  
## rastr19h26m42.45s NA  
## rastr19h26m43.99s NA  
## rastr19h26m46.19s NA  
## rastr19h26m47.88s NA  
## rastr19h26m50.76s NA  
## rastr19h26m52.15s NA  
## rastr19h26m53.28s NA  
## rastr19h26m54.29s NA  
## rastr19h26m57.98s NA  
## rastr19h26m59.62s NA  
## rastr19h27m05.18s NA  
## rastr19h27m06.49s NA  
## rastr19h27m13.94s NA  
## rastr19h27m15.12s NA  
## rastr19h27m17.65s NA  
## rastr19h27m20.24s NA  
## rastr19h27m21.92s NA  
## rastr19h27m22.06s NA  
## rastr19h27m23.48s NA  
## rastr19h27m23.56s NA  
## rastr19h27m27.12s NA  
## rastr19h27m27.58s NA  
## rastr19h27m29.12s NA  
## rastr19h27m31.20s NA  
## rastr19h27m31.50s NA  
## rastr19h27m32.72s NA  
## rastr19h27m36.78s NA  
## rastr19h27m37.68s NA  
## rastr19h27m39.06s NA  
## rastr19h27m39.11s NA  
## rastr19h27m40.59s NA  
## rastr19h27m41.41s NA  
## rastr19h27m42.23s NA  
## rastr19h27m44.08s NA  
## rastr19h27m44.23s NA  
## rastr19h27m44.68s NA  
## rastr19h27m48.25s NA  
## rastr19h27m48.45s NA  
## rastr19h27m50.40s NA  
## rastr19h27m50.56s NA  
## rastr19h27m51.39s NA  
## rastr19h27m53.14s NA  
## rastr19h27m54.28s NA  
## rastr19h27m59.95s NA  
## rastr19h28m00.49s NA  
## rastr19h28m01.64s NA  
## rastr19h28m03.23s NA  
## rastr19h28m04.90s NA  
## rastr19h28m08.01s NA  
## rastr19h28m10.65s NA  
## rastr19h28m10.71s NA  
## rastr19h28m13.27s NA  
## rastr19h28m19.65s NA  
## rastr19h28m20.35s NA  
## rastr19h28m20.98s NA  
## rastr19h28m24.55s NA  
## rastr19h28m25.01s NA  
## rastr19h28m25.27s NA  
## rastr19h28m27.63s NA  
## rastr19h28m30.02s NA  
## rastr19h28m31.89s NA  
## rastr19h28m32.96s NA  
## rastr19h28m34.69s NA  
## rastr19h28m36.11s NA  
## rastr19h28m38.08s NA  
## rastr19h28m39.07s NA  
## rastr19h28m40.45s NA  
## rastr19h28m41.06s NA  
## rastr19h28m41.08s NA  
## rastr19h28m43.24s NA  
## rastr19h28m44.84s NA  
## rastr19h28m46.56s NA  
## rastr19h28m47.92s NA  
## rastr19h28m49.12s NA  
## rastr19h28m51.59s NA  
## rastr19h28m52.70s NA  
## rastr19h28m52.87s NA  
## rastr19h28m55.78s NA  
## rastr19h28m56.14s NA  
## rastr19h28m56.38s NA  
## rastr19h28m56.82s NA  
## rastr19h28m59.33s NA  
## rastr19h28m59.47s NA  
## rastr19h28m59.77s NA  
## rastr19h29m00.61s NA  
## rastr19h29m01.10s NA  
## rastr19h29m03.09s NA  
## rastr19h29m04.36s NA  
## rastr19h29m06.26s NA  
## rastr19h29m08.67s NA  
## rastr19h29m08.80s NA  
## rastr19h29m08.95s NA  
## rastr19h29m09.75s NA  
## rastr19h29m09.84s NA  
## rastr19h29m10.68s NA  
## rastr19h29m12.29s NA  
## rastr19h29m13.78s NA  
## rastr19h29m15.62s NA  
## rastr19h29m15.84s NA  
## rastr19h29m17.16s NA  
## rastr19h29m18.36s NA  
## rastr19h29m18.86s NA  
## rastr19h29m19.29s NA  
## rastr19h29m21.00s NA  
## rastr19h29m24.36s NA  
## rastr19h29m24.95s NA  
## rastr19h29m28.70s NA  
## rastr19h29m30.26s NA  
## rastr19h29m33.26s NA  
## rastr19h29m34.89s NA  
## rastr19h29m40.14s NA  
## rastr19h29m41.06s NA  
## rastr19h29m41.47s NA  
## rastr19h29m42.57s NA  
## rastr19h29m42.60s NA  
## rastr19h29m42.62s NA  
## rastr19h29m45.67s NA  
## rastr19h29m47.08s NA  
## rastr19h29m50.12s NA  
## rastr19h29m51.31s NA  
## rastr19h29m51.42s NA  
## rastr19h29m52.75s NA  
## rastr19h29m54.71s NA  
## rastr19h29m54.79s NA  
## rastr19h29m55.13s NA  
## rastr19h29m56.88s NA  
## rastr19h29m59.91s NA  
## rastr19h30m00.71s NA  
## rastr19h30m00.82s NA  
## rastr19h30m03.38s NA  
## rastr19h30m03.53s NA  
## rastr19h30m07.33s NA  
## rastr19h30m07.40s NA  
## rastr19h30m10.97s NA  
## rastr19h30m11.39s NA  
## rastr19h30m17.60s NA  
## rastr19h30m18.50s NA  
## rastr19h30m18.68s NA  
## rastr19h30m19.17s NA  
## rastr19h30m19.30s NA  
## rastr19h30m20.26s NA  
## rastr19h30m21.07s NA  
## rastr19h30m21.99s NA  
## rastr19h30m27.39s NA  
## rastr19h30m27.60s NA  
## rastr19h30m30.60s NA  
## rastr19h30m34.15s NA  
## rastr19h30m38.01s NA  
## rastr19h30m38.05s NA  
## rastr19h30m41.39s NA  
## rastr19h30m42.66s NA  
## rastr19h30m42.73s NA  
## rastr19h30m44.23s NA  
## rastr19h30m45.69s NA  
## rastr19h30m45.70s NA  
## rastr19h30m51.14s NA  
## rastr19h30m51.48s NA  
## rastr19h30m57.04s NA  
## rastr19h31m01.75s NA  
## rastr19h31m04.80s NA  
## rastr19h31m05.63s NA  
## rastr19h31m08.30s NA  
## rastr19h31m14.06s NA  
## rastr19h31m19.72s NA  
## rastr19h31m21.63s NA  
## rastr19h31m25.37s NA  
## rastr19h31m28.76s NA  
## rastr19h31m29.34s NA  
## rastr19h31m29.50s NA  
## rastr19h31m29.61s NA  
## rastr19h31m32.46s NA  
## rastr19h31m36.39s NA  
## rastr19h31m39.15s NA  
## rastr19h31m41.47s NA  
## rastr19h31m43.00s NA  
## rastr19h31m45.55s NA  
## rastr19h31m49.26s NA  
## rastr19h31m49.99s NA  
## rastr19h31m51.72s NA  
## rastr19h31m53.11s NA  
## rastr19h31m57.20s NA  
## rastr19h32m04.23s NA  
## rastr19h32m04.37s NA  
## rastr19h32m09.06s NA  
## rastr19h32m13.73s NA  
## rastr19h32m13.92s NA  
## rastr19h32m14.72s NA  
## rastr19h32m15.20s NA  
## rastr19h32m16.94s NA  
## rastr19h32m19.07s NA  
## rastr19h32m20.27s NA  
## rastr19h32m20.31s NA  
## rastr19h32m22.21s NA  
## rastr19h32m22.57s NA  
## rastr19h32m29.63s NA  
## rastr19h32m30.56s NA  
## rastr19h32m31.48s NA  
## rastr19h32m34.66s NA  
## rastr19h32m35.18s NA  
## rastr19h32m36.18s NA  
## rastr19h32m38.42s NA  
## rastr19h32m39.60s NA  
## rastr19h32m41.12s NA  
## rastr19h32m43.27s NA  
## rastr19h32m44.28s NA  
## rastr19h32m46.89s NA  
## rastr19h32m48.14s NA  
## rastr19h32m49.08s NA  
## rastr19h32m51.24s NA  
## rastr19h32m52.17s NA  
## rastr19h32m55.20s NA  
## rastr19h32m55.26s NA  
## rastr19h33m00.99s NA  
## rastr19h33m02.62s NA  
## rastr19h33m02.98s NA  
## rastr19h33m07.57s NA  
## rastr19h33m07.74s NA  
## rastr19h33m08.79s NA  
## rastr19h33m09.13s NA  
## rastr19h33m09.19s NA  
## rastr19h33m10.47s NA  
## rastr19h33m11.61s NA  
## rastr19h33m12.07s NA  
## rastr19h33m14.81s NA  
## rastr19h33m16.39s NA  
## rastr19h33m17.38s NA  
## rastr19h33m22.80s NA  
## rastr19h33m24.41s NA  
## rastr19h33m27.08s NA  
## rastr19h33m29.33s NA  
## rastr19h33m42.50s NA  
## rastr19h33m47.14s NA  
## rastr19h33m49.16s NA  
## rastr19h33m52.56s NA  
## rastr19h33m52.82s NA  
## rastr19h33m59.18s NA  
## rastr19h34m00.12s NA  
## rastr19h34m02.69s NA  
## rastr19h34m04.76s NA  
## rastr19h34m06.62s NA  
## rastr19h34m07.39s NA  
## rastr19h34m10.14s NA  
## rastr19h34m16.37s NA  
## rastr19h34m17.73s NA  
## rastr19h34m18.67s NA  
## rastr19h34m19.41s NA  
## rastr19h34m19.84s NA  
## rastr19h34m20.73s NA  
## rastr19h34m22.99s NA  
## rastr19h34m24.31s NA  
## rastr19h34m26.02s NA  
## rastr19h34m27.30s NA  
## rastr19h34m28.63s NA  
## rastr19h34m29.53s NA  
## rastr19h34m30.25s NA  
## rastr19h34m31.14s NA  
## rastr19h34m32.87s NA  
## rastr19h34m33.43s NA  
## rastr19h34m34.59s NA  
## rastr19h34m40.91s NA  
## rastr19h34m41.84s NA  
## rastr19h34m42.12s NA  
## rastr19h34m42.35s NA  
## rastr19h34m43.01s NA  
## rastr19h34m43.66s NA  
## rastr19h34m44.57s NA  
## rastr19h34m50.02s NA  
## rastr19h34m50.74s NA  
## rastr19h34m51.95s NA  
## rastr19h34m52.59s NA  
## rastr19h34m54.19s NA  
## rastr19h34m54.52s NA  
## rastr19h34m54.74s NA  
## rastr19h34m55.87s NA  
## rastr19h34m58.07s NA  
## rastr19h34m58.37s NA  
## rastr19h34m58.54s NA  
## rastr19h34m59.31s NA  
## rastr19h35m01.99s NA  
## rastr19h35m04.17s NA  
## rastr19h35m10.47s NA  
## rastr19h35m11.25s NA  
## rastr19h35m13.08s NA  
## rastr19h35m15.95s NA  
## rastr19h35m17.12s NA  
## rastr19h35m17.80s NA  
## rastr19h35m18.39s NA  
## rastr19h35m20.03s NA  
## rastr19h35m20.29s NA  
## rastr19h35m24.15s NA  
## rastr19h35m27.75s NA  
## rastr19h35m29.26s NA  
## rastr19h35m29.68s NA  
## rastr19h35m30.74s NA  
## rastr19h35m31.18s NA  
## rastr19h35m31.53s NA  
## rastr19h35m31.62s NA  
## rastr19h35m31.90s NA  
## rastr19h35m32.49s NA  
## rastr19h35m33.65s NA  
## rastr19h35m36.14s NA  
## rastr19h35m43.14s NA  
## rastr19h35m44.04s NA  
## rastr19h35m45.90s NA  
## rastr19h35m47.43s NA  
## rastr19h35m53.61s NA  
## rastr19h35m53.74s NA  
## rastr19h35m55.57s NA  
## rastr19h35m56.06s NA  
## rastr19h35m56.41s NA  
## rastr19h35m57.28s NA  
## rastr19h36m01.30s NA  
## rastr19h36m02.26s NA  
## rastr19h36m05.53s NA  
## rastr19h36m06.98s NA  
## rastr19h36m10.42s NA  
## rastr19h36m13.82s NA  
## rastr19h36m16.42s NA  
## rastr19h36m19.85s NA  
## rastr19h36m19.94s NA  
## rastr19h36m20.14s NA  
## rastr19h36m24.93s NA  
## rastr19h36m25.96s NA  
## rastr19h36m26.58s NA  
## rastr19h36m27.13s NA  
## rastr19h36m27.76s NA  
## rastr19h36m29.16s NA  
## rastr19h36m33.09s NA  
## rastr19h36m35.92s NA  
## rastr19h36m36.65s NA  
## rastr19h36m36.80s NA  
## rastr19h36m39.16s NA  
## rastr19h36m40.52s NA  
## rastr19h36m41.06s NA  
## rastr19h36m45.40s NA  
## rastr19h36m46.11s NA  
## rastr19h36m48.49s NA  
## rastr19h36m52.54s NA  
## rastr19h36m53.87s NA  
## rastr19h36m56.97s NA  
## rastr19h36m57.91s NA  
## rastr19h37m03.78s NA  
## rastr19h37m03.92s NA  
## rastr19h37m06.54s NA  
## rastr19h37m07.43s NA  
## rastr19h37m09.63s NA  
## rastr19h37m10.68s NA  
## rastr19h37m11.70s NA  
## rastr19h37m13.64s NA  
## rastr19h37m16.06s NA  
## rastr19h37m18.14s NA  
## rastr19h37m18.30s NA  
## rastr19h37m20.73s NA  
## rastr19h37m21.24s NA  
## rastr19h37m21.99s NA  
## rastr19h37m24.20s NA  
## rastr19h37m25.57s NA  
## rastr19h37m27.85s NA  
## rastr19h37m28.02s NA  
## rastr19h37m29.65s NA  
## rastr19h37m32.49s NA  
## rastr19h37m33.83s NA  
## rastr19h37m44.05s NA  
## rastr19h37m46.03s NA  
## rastr19h37m46.04s NA  
## rastr19h37m48.89s NA  
## rastr19h37m49.36s NA  
## rastr19h37m51.06s NA  
## rastr19h37m51.34s NA  
## rastr19h37m52.44s NA  
## rastr19h37m54.81s NA  
## rastr19h37m56.25s NA  
## rastr19h37m56.95s NA  
## rastr19h37m57.58s NA  
## rastr19h37m58.77s NA  
## rastr19h37m59.27s NA  
## rastr19h38m02.72s NA  
## rastr19h38m03.18s NA  
## rastr19h38m04.25s NA  
## rastr19h38m06.11s NA  
## rastr19h38m06.50s NA  
## rastr19h38m06.86s NA  
## rastr19h38m08.06s NA  
## rastr19h38m12.88s NA  
## rastr19h38m13.87s NA  
## rastr19h38m14.16s NA  
## rastr19h38m16.05s NA  
## rastr19h38m16.65s NA  
## rastr19h38m16.89s NA  
## rastr19h38m18.29s NA  
## rastr19h38m22.95s NA  
## rastr19h38m23.17s NA  
## rastr19h38m27.12s NA  
## rastr19h38m27.29s NA  
## rastr19h38m27.55s NA  
## rastr19h38m29.00s NA  
## rastr19h38m31.78s NA  
## rastr19h38m31.82s NA  
## rastr19h38m32.09s NA  
## rastr19h38m32.62s NA  
## rastr19h38m35.19s NA  
## rastr19h38m35.56s NA  
## rastr19h38m36.01s NA  
## rastr19h38m37.26s NA  
## rastr19h38m38.74s NA  
## rastr19h38m39.52s NA  
## rastr19h38m40.30s NA  
## rastr19h38m41.80s NA  
## rastr19h38m43.25s NA  
## rastr19h38m46.57s NA  
## rastr19h38m47.26s NA  
## rastr19h38m50.27s NA  
## rastr19h38m50.44s NA  
## rastr19h38m50.55s NA  
## rastr19h38m50.88s NA  
## rastr19h38m58.09s NA  
## rastr19h38m58.41s NA  
## rastr19h39m04.08s NA  
## rastr19h39m04.76s NA  
## rastr19h39m05.74s NA  
## rastr19h39m06.43s NA  
## rastr19h39m08.22s NA  
## rastr19h39m15.85s NA  
## rastr19h39m19.43s NA  
## rastr19h39m20.43s NA  
## rastr19h39m21.62s NA  
## rastr19h39m22.51s NA  
## rastr19h39m23.26s NA  
## rastr19h39m24.63s NA  
## rastr19h39m27.87s NA  
## rastr19h39m28.06s NA  
## rastr19h39m33.51s NA  
## rastr19h39m38.32s NA  
## rastr19h39m38.78s NA  
## rastr19h39m46.01s NA  
## rastr19h39m46.53s NA  
## rastr19h39m47.75s NA  
## rastr19h39m48.25s NA  
## rastr19h39m48.33s NA  
## rastr19h39m49.22s NA  
## rastr19h39m49.64s NA  
## rastr19h39m50.14s NA  
## rastr19h39m51.84s NA  
## rastr19h39m53.65s NA  
## rastr19h39m54.94s NA  
## rastr19h39m55.33s NA  
## rastr19h39m56.53s NA  
## rastr19h39m57.39s NA  
## rastr19h39m58.03s NA  
## rastr19h39m59.12s NA  
## rastr19h39m59.30s NA  
## rastr19h40m00.50s NA  
## rastr19h40m00.66s NA  
## rastr19h40m05.21s NA  
## rastr19h40m11.65s NA  
## rastr19h40m13.02s NA  
## rastr19h40m15.41s NA  
## rastr19h40m21.66s NA  
## rastr19h40m22.79s NA  
## rastr19h40m24.60s NA  
## rastr19h40m26.39s NA  
## rastr19h40m28.56s NA  
## rastr19h40m33.37s NA  
## rastr19h40m36.51s NA  
## rastr19h40m37.95s NA  
## rastr19h40m39.30s NA  
## rastr19h40m39.36s NA  
## rastr19h40m40.13s NA  
## rastr19h40m42.09s NA  
## rastr19h40m43.61s NA  
## rastr19h40m43.89s NA  
## rastr19h40m46.41s NA  
## rastr19h40m49.18s NA  
## rastr19h40m51.04s NA  
## rastr19h40m52.02s NA  
## rastr19h40m54.35s NA  
## rastr19h40m54.92s NA  
## rastr19h40m57.42s NA  
## rastr19h41m00.28s NA  
## rastr19h41m08.94s NA  
## rastr19h41m09.29s NA  
## rastr19h41m11.49s NA  
## rastr19h41m12.02s NA  
## rastr19h41m12.59s NA  
## rastr19h41m13.08s NA  
## rastr19h41m13.81s NA  
## rastr19h41m13.96s NA  
## rastr19h41m15.17s NA  
## rastr19h41m17.41s NA  
## rastr19h41m17.61s NA  
## rastr19h41m19.16s NA  
## rastr19h41m22.26s NA  
## rastr19h41m23.92s NA  
## rastr19h41m25.05s NA  
## rastr19h41m29.00s NA  
## rastr19h41m30.58s NA  
## rastr19h41m36.61s NA  
## rastr19h41m37.02s NA  
## rastr19h41m38.34s NA  
## rastr19h41m39.09s NA  
## rastr19h41m40.19s NA  
## rastr19h41m40.30s NA  
## rastr19h41m41.30s NA  
## rastr19h41m43.04s NA  
## rastr19h41m43.84s NA  
## rastr19h41m49.26s NA  
## rastr19h41m49.70s NA  
## rastr19h41m50.96s NA  
## rastr19h41m51.22s NA  
## rastr19h41m51.75s NA  
## rastr19h41m54.17s NA  
## rastr19h41m55.49s NA  
## rastr19h41m55.76s NA  
## rastr19h41m56.78s NA  
## rastr19h41m59.54s NA  
## rastr19h42m00.64s NA  
## rastr19h42m05.11s NA  
## rastr19h42m05.78s NA  
## rastr19h42m08.66s NA  
## rastr19h42m09.23s NA  
## rastr19h42m13.20s NA  
## rastr19h42m14.26s NA  
## rastr19h42m15.25s NA  
## rastr19h42m16.29s NA  
## rastr19h42m17.10s NA  
## rastr19h42m17.82s NA  
## rastr19h42m18.26s NA  
## rastr19h42m18.54s NA  
## rastr19h42m19.04s NA  
## rastr19h42m20.75s NA  
## rastr19h42m21.90s NA  
## rastr19h42m26.10s NA  
## rastr19h42m28.80s NA  
## rastr19h42m29.94s NA  
## rastr19h42m31.03s NA  
## rastr19h42m35.68s NA  
## rastr19h42m36.33s NA  
## rastr19h42m36.35s NA  
## rastr19h42m39.10s NA  
## rastr19h42m44.37s NA  
## rastr19h42m46.46s NA  
## rastr19h42m48.26s NA  
## rastr19h42m56.49s NA  
## rastr19h42m58.52s NA  
## rastr19h43m03.89s NA  
## rastr19h43m08.46s NA  
## rastr19h43m08.53s NA  
## rastr19h43m10.12s NA  
## rastr19h43m13.57s NA  
## rastr19h43m14.23s NA  
## rastr19h43m15.88s NA  
## rastr19h43m17.18s NA  
## rastr19h43m18.11s NA  
## rastr19h43m18.88s NA  
## rastr19h43m23.16s NA  
## rastr19h43m26.26s NA  
## rastr19h43m32.99s NA  
## rastr19h43m37.20s NA  
## rastr19h43m37.57s NA  
## rastr19h43m38.20s NA  
## rastr19h43m40.96s NA  
## rastr19h43m42.27s NA  
## rastr19h43m44.03s NA  
## rastr19h43m45.21s NA  
## rastr19h43m47.13s NA  
## rastr19h43m47.59s NA  
## rastr19h43m48.32s NA  
## rastr19h43m54.04s NA  
## rastr19h43m54.14s NA  
## rastr19h44m00.90s NA  
## rastr19h44m00.94s NA  
## rastr19h44m01.73s NA  
## rastr19h44m02.28s NA  
## rastr19h44m05.12s NA  
## rastr19h44m05.35s NA  
## rastr19h44m07.66s NA  
## rastr19h44m07.73s NA  
## rastr19h44m10.15s NA  
## rastr19h44m11.35s NA  
## rastr19h44m12.98s NA  
## rastr19h44m14.37s NA  
## rastr19h44m15.42s NA  
## rastr19h44m15.43s NA  
## rastr19h44m18.15s NA  
## rastr19h44m19.64s NA  
## rastr19h44m24.97s NA  
## rastr19h44m25.90s NA  
## rastr19h44m27.02s NA  
## rastr19h44m28.97s NA  
## rastr19h44m31.52s NA  
## rastr19h44m31.88s NA  
## rastr19h44m36.31s NA  
## rastr19h44m38.16s NA  
## rastr19h44m42.55s NA  
## rastr19h44m44.02s NA  
## rastr19h44m45.18s NA  
## rastr19h44m47.08s NA  
## rastr19h44m48.13s NA  
## rastr19h44m48.93s NA  
## rastr19h44m51.63s NA  
## rastr19h44m53.29s NA  
## rastr19h44m53.33s NA  
## rastr19h44m55.21s NA  
## rastr19h44m55.69s NA  
## rastr19h44m55.87s NA  
## rastr19h44m56.43s NA  
## rastr19h44m58.71s NA  
## rastr19h45m03.48s NA  
## rastr19h45m06.64s NA  
## rastr19h45m08.66s NA  
## rastr19h45m10.44s NA  
## rastr19h45m12.48s NA  
## rastr19h45m13.92s NA  
## rastr19h45m17.27s NA  
## rastr19h45m21.85s NA  
## rastr19h45m25.11s NA  
## rastr19h45m26.07s NA  
## rastr19h45m26.27s NA  
## rastr19h45m27.96s NA  
## rastr19h45m30.44s NA  
## rastr19h45m32.53s NA  
## rastr19h45m33.30s NA  
## rastr19h45m35.41s NA  
## rastr19h45m36.75s NA  
## rastr19h45m36.91s NA  
## rastr19h45m37.66s NA  
## rastr19h45m40.46s NA  
## rastr19h45m41.31s NA  
## rastr19h45m44.59s NA  
## rastr19h45m49.37s NA  
## rastr19h45m51.48s NA  
## rastr19h45m52.15s NA  
## rastr19h45m55.14s NA  
## rastr19h45m56.02s NA  
## rastr19h45m59.05s NA  
## rastr19h45m59.66s NA  
## rastr19h46m00.11s NA  
## rastr19h46m02.52s NA  
## rastr19h46m02.88s NA  
## rastr19h46m04.00s NA  
## rastr19h46m05.88s NA  
## rastr19h46m11.43s NA  
## rastr19h46m12.02s NA  
## rastr19h46m12.66s NA  
## rastr19h46m14.41s NA  
## rastr19h46m15.89s NA  
## rastr19h46m16.00s NA  
## rastr19h46m21.00s NA  
## rastr19h46m24.34s NA  
## rastr19h46m24.82s NA  
## rastr19h46m27.57s NA  
## rastr19h46m30.48s NA  
## rastr19h46m32.85s NA  
## rastr19h46m37.14s NA  
## rastr19h46m39.06s NA  
## rastr19h46m40.31s NA  
## rastr19h46m43.32s NA  
## rastr19h46m45.23s NA  
## rastr19h46m46.55s NA  
## rastr19h46m47.35s NA  
## rastr19h46m49.73s NA  
## rastr19h46m51.06s NA  
## rastr19h46m53.87s NA  
## rastr19h46m58.29s NA  
## rastr19h46m59.14s NA  
## rastr19h47m00.71s NA  
## rastr19h47m00.81s NA  
## rastr19h47m01.00s NA  
## rastr19h47m01.39s NA  
## rastr19h47m05.26s NA  
## rastr19h47m05.46s NA  
## rastr19h47m12.82s NA  
## rastr19h47m14.08s NA  
## rastr19h47m15.29s NA  
## rastr19h47m17.50s NA  
## rastr19h47m20.94s NA  
## rastr19h47m21.21s NA  
## rastr19h47m23.06s NA  
## rastr19h47m24.24s NA  
## rastr19h47m24.49s NA  
## rastr19h47m24.82s NA  
## rastr19h47m25.57s NA  
## rastr19h47m26.20s NA  
## rastr19h47m26.62s NA  
## rastr19h47m32.57s NA  
## rastr19h47m34.76s NA  
## rastr19h47m36.67s NA  
## rastr19h47m41.66s NA  
## rastr19h47m48.50s NA  
## rastr19h47m50.13s NA  
## rastr19h47m50.48s NA  
## rastr19h47m52.51s NA  
## rastr19h47m55.47s NA  
## rastr19h47m56.47s NA  
## rastr19h47m56.81s NA  
## rastr19h47m59.16s NA  
## rastr19h47m59.66s NA  
## rastr19h48m02.26s NA  
## rastr19h48m04.51s NA  
## rastr19h48m04.58s NA  
## rastr19h48m04.81s NA  
## rastr19h48m05.06s NA  
## rastr19h48m06.14s NA  
## rastr19h48m06.76s NA  
## rastr19h48m10.08s NA  
## rastr19h48m10.90s NA  
## rastr19h48m10.95s NA  
## rastr19h48m16.41s NA  
## rastr19h48m16.76s NA  
## rastr19h48m16.85s NA  
## rastr19h48m16.90s NA  
## rastr19h48m17.71s NA  
## rastr19h48m17.92s NA  
## rastr19h48m21.59s NA  
## rastr19h48m21.73s NA  
## rastr19h48m27.62s NA  
## rastr19h48m29.83s NA  
## rastr19h48m31.85s NA  
## rastr19h48m35.71s NA  
## rastr19h48m47.82s NA  
## rastr19h48m48.36s NA  
## rastr19h48m50.14s NA  
## rastr19h48m50.91s NA  
## rastr19h48m51.37s NA  
## rastr19h48m51.80s NA  
## rastr19h49m01.22s NA  
## rastr19h49m02.18s NA  
## rastr19h49m04.94s NA  
## rastr19h49m05.02s NA  
## rastr19h49m05.21s NA  
## rastr19h49m06.69s NA  
## rastr19h49m06.94s NA  
## rastr19h49m08.45s NA  
## rastr19h49m08.52s NA  
## rastr19h49m10.21s NA  
## rastr19h49m12.30s NA  
## rastr19h49m15.84s NA  
## rastr19h49m17.44s NA  
## rastr19h49m18.92s NA  
## rastr19h49m19.94s NA  
## rastr19h49m21.47s NA  
## rastr19h49m23.36s NA  
## rastr19h49m24.55s NA  
## rastr19h49m24.96s NA  
## rastr19h49m26.24s NA  
## rastr19h49m29.62s NA  
## rastr19h49m30.02s NA  
## rastr19h49m33.98s NA  
## rastr19h49m34.35s NA  
## rastr19h49m36.37s NA  
## rastr19h49m39.47s NA  
## rastr19h49m43.29s NA  
## rastr19h49m48.51s NA  
## rastr19h49m48.90s NA  
## rastr19h49m50.41s NA  
## rastr19h49m51.28s NA  
## rastr19h49m51.68s NA  
## rastr19h49m54.51s NA  
## rastr19h49m55.08s NA  
## rastr19h49m55.40s NA  
## rastr19h49m55.81s NA  
## rastr19h49m56.77s NA  
## rastr19h49m56.84s NA  
## rastr19h50m00.89s NA  
## rastr19h50m01.99s NA  
## rastr19h50m02.37s NA  
## rastr19h50m18.51s NA  
## rastr19h50m19.93s NA  
## rastr19h50m20.14s NA  
## rastr19h50m21.25s NA  
## rastr19h50m22.47s NA  
## rastr19h50m34.14s NA  
## rastr19h50m36.22s NA  
## rastr19h50m36.32s NA  
## rastr19h50m39.47s NA  
## rastr19h50m41.43s NA  
## rastr19h50m48.04s NA  
## rastr19h50m50.44s NA  
## rastr19h50m50.77s NA  
## rastr19h50m50.86s NA  
## rastr19h50m53.57s NA  
## rastr19h50m53.81s NA  
## rastr19h50m55.02s NA  
## rastr19h50m56.73s NA  
## rastr19h50m57.55s NA  
## rastr19h51m07.02s NA  
## rastr19h51m08.77s NA  
## rastr19h51m09.82s NA  
## rastr19h51m10.82s NA  
## rastr19h51m11.24s NA  
## rastr19h51m13.97s NA  
## rastr19h51m21.95s NA  
## rastr19h51m22.15s NA  
## rastr19h51m37.38s NA  
## rastr19h51m40.04s NA  
## rastr19h51m40.73s NA  
## rastr19h51m45.16s NA  
## rastr19h51m45.62s NA  
## rastr19h51m46.75s NA  
## rastr19h51m48.39s NA  
## rastr19h51m48.72s NA  
## rastr19h51m49.00s NA  
## rastr19h51m50.77s NA  
## rastr19h51m52.97s NA  
## rastr19h52m00.70s NA  
## rastr19h52m03.47s NA  
## rastr19h52m04.60s NA  
## rastr19h52m05.54s NA  
## rastr19h52m16.24s NA  
## rastr19h52m19.07s NA  
## rastr19h52m20.03s NA  
## rastr19h52m20.28s NA  
## rastr19h52m22.91s NA  
## rastr19h52m25.47s NA  
## rastr19h52m26.68s NA  
## rastr19h52m27.55s NA  
## rastr19h52m28.53s NA  
## rastr19h52m36.01s NA  
## rastr19h52m42.55s NA  
## rastr19h52m48.17s NA  
## rastr19h52m48.63s NA  
## rastr19h53m00.48s NA  
## rastr19h53m01.95s NA  
## rastr19h53m04.54s NA  
## rastr19h53m10.77s NA  
## rastr19h53m12.64s NA  
## rastr19h53m15.47s NA  
## rastr19h53m16.41s NA  
## rastr19h53m18.39s NA  
## rastr19h53m23.61s NA  
## rastr19h53m29.72s NA  
## rastr19h53m32.37s NA  
## rastr19h53m34.86s NA  
## rastr19h53m34.98s NA  
## rastr19h53m36.31s NA  
## rastr19h53m42.34s NA  
## rastr19h53m48.02s NA  
## rastr19h53m49.65s NA  
## rastr19h53m51.75s NA  
## rastr19h53m55.46s NA  
## rastr19h53m55.88s NA  
## rastr19h53m58.39s NA  
## rastr19h54m03.68s NA  
## rastr19h54m12.21s NA  
## rastr19h54m14.99s NA  
## rastr19h54m21.41s NA  
## rastr19h54m22.77s NA  
## rastr19h54m25.90s NA  
## rastr19h54m30.00s NA  
## rastr19h54m32.56s NA  
## rastr19h54m36.66s NA  
## rastr19h54m38.62s NA  
## rastr19h54m38.99s NA  
## rastr19h54m39.23s NA  
## rastr19h54m39.27s NA  
## rastr19h54m41.71s NA  
## rastr19h54m56.43s NA  
## rastr19h54m56.72s NA  
## rastr19h55m15.93s NA  
## rastr19h55m20.60s NA  
## rastr19h55m27.99s NA  
## rastr19h55m35.72s NA  
## rastr19h55m44.84s NA  
## rastr19h55m48.09s NA  
## rastr19h55m50.19s NA  
## rastr19h55m53.32s NA  
## rastr19h55m58.01s NA  
## rastr19h56m12.15s NA  
## rastr19h56m12.30s NA  
## rastr19h56m18.49s NA  
## rastr19h56m19.44s NA  
## rastr19h56m23.40s NA  
## rastr19h56m29.39s NA  
## rastr19h56m30.61s NA  
## rastr19h56m32.70s NA  
## rastr19h56m33.03s NA  
## rastr19h56m33.43s NA  
## rastr19h56m38.52s NA  
## rastr19h56m40.68s NA  
## rastr19h56m44.85s NA  
## rastr19h56m51.17s NA  
## rastr19h56m53.20s NA  
## rastr19h56m53.82s NA  
## rastr19h56m56.89s NA  
## rastr19h57m00.07s NA  
## rastr19h57m04.36s NA  
## rastr19h57m12.85s NA  
## rastr19h57m15.86s NA  
## rastr19h57m16.72s NA  
## rastr19h57m24.45s NA  
## rastr19h57m31.56s NA  
## rastr19h57m37.16s NA  
## rastr19h57m37.69s NA  
## rastr19h57m42.44s NA  
## rastr19h58m00.41s NA  
## rastr19h58m06.24s NA  
## rastr19h58m08.34s NA  
## rastr19h58m14.85s NA  
## rastr19h58m20.00s NA  
## rastr19h58m38.30s NA  
## rastr19h58m38.52s NA  
## rastr19h58m42.21s NA  
## rastr19h58m49.14s NA  
## rastr19h59m08.51s NA  
## rastr19h59m11.16s NA  
## rastr19h59m17.08s NA  
## rastr19h59m19.34s NA  
## rastr19h59m24.43s NA  
## rastr19h59m26.83s NA  
## rastr19h59m35.19s NA  
## rastr19h59m35.36s NA  
## rastr19h59m49.74s NA  
## rastr19h59m51.76s NA  
## rastr20h00m24.56s NA  
## rastr20h00m40.91s NA  
## rastr20h00m43.71s NA  
## rastr20h00m49.59s NA  
## rastr20h00m58.10s NA  
## rastr20h01m15.88s NA  
## rastr20h01m19.76s NA  
## rastr20h01m22.57s NA  
## rastr20h01m29.09s NA  
## rastr20h01m40.19s NA  
## rastr20h01m42.74s NA  
## rastr20h01m43.44s NA  
## rastr20h01m57.17s NA  
## rastr20h02m04.11s NA  
## rastr20h02m28.72s NA  
## rastr20h02m46.95s NA  
## rastr20h02m55.78s NA  
## rastr20h03m00.90s NA  
## rastr20h03m27.36s NA  
## rastr20h03m38.22s NA  
## rastr20h03m43.09s NA  
## rastr20h03m44.50s NA  
## rastr20h05m06.88s NA  
## rastr20h05m22.29s NA  
## rastr20h05m35.03s NA  
## rastr20h06m10.33s NA  
## rastr20h06m18.85s NA  
## rastr20h06m52.99s NA  
## rastr20h07m19.64s NA  
## rastr20h08m06.15s NA  
## rastr20h09m28.50s NA  
## rastr20h11m11.62s NA  
## rastr20h11m30.72s NA  
## rastr20h12m40.03s NA  
## rastr20h12m46.90s NA  
## rastr20h13m31.65s NA  
## rastr20h13m52.26s NA  
## rastr20h13m59.78s NA  
## rastr20h14m32.12s NA  
## rastr20h15m18.83s NA  
## rastr20h16m05.96s NA  
## rastr20h16m49.92s NA  
## rastr20h18m09.32s NA  
## rastr20h19m12.01s NA  
## rastr20h20m00.47s NA  
## rastr20h20m22.97s NA  
## rastr20h20m53.27s NA  
## rastr20h21m45.92s NA  
## rastr20h24m29.74s NA  
## rastr20h26m57.87s NA  
## rastr20h27m42.88s NA  
## rastr20h27m59.52s NA  
## rastr20h28m19.02s NA  
## rastr20h29m40.39s NA  
## rastr20h30m23.21s NA  
## rastr20h30m54.13s NA  
## rastr20h31m26.38s NA  
## rastr20h37m51.31s NA  
## rastr20h38m02.70s NA  
## rastr20h39m32.87s NA  
## rastr20h39m51.95s NA  
## rastr20h39m53.09s NA  
## rastr20h41m44.74s NA  
## rastr20h44m10.26s NA  
## rastr20h44m22.08s NA  
## rastr20h45m01.99s NA  
## rastr20h45m09.87s NA  
## rastr20h46m41.60s NA  
## rastr20h49m21.62s NA  
## rastr20h49m47.83s NA  
## rastr20h49m49.80s NA  
## rastr20h52m40.09s NA  
## rastr20h52m51.71s NA  
## rastr20h54m44.95s NA  
## rastr20h54m45.90s NA  
## rastr20h55m04.96s NA  
## rastr20h55m07.98s NA  
## rastr20h55m09.19s NA  
## rastr20h55m36.01s NA  
## rastr20h57m04.45s NA  
## rastr20h58m18.11s NA  
## rastr20h58m25.88s NA  
## rastr21h00m06.23s NA  
## rastr21h01m39.40s NA  
## rastr21h01m54.53s NA  
## rastr21h02m07.67s NA  
## rastr21h03m37.32s NA  
## rastr21h04m48.89s NA  
## rastr21h06m31.65s NA  
## rastr21h06m39.94s NA  
## rastr21h07m50.76s NA  
## rastr21h09m22.70s NA  
## rastr21h10m12.37s NA  
## rastr21h13m36.24s NA  
## rastr21h14m56.88s NA  
## rastr21h14m57.73s NA  
## rastr21h16m27.54s NA  
## rastr21h18m47.90s NA  
## rastr21h19m47.93s NA  
## rastr21h21m54.83s NA  
## rastr21h22m06.40s NA  
## rastr21h23m03.09s NA  
## rastr21h26m23.09s NA  
## rastr21h28m12.25s NA  
## rastr21h29m00.90s NA  
## rastr21h32m23.20s NA  
## rastr21h33m33.90s NA  
## rastr21h35m40.47s NA  
## rastr21h38m08.43s NA  
## rastr21h38m08.63s NA  
## rastr21h40m03.49s NA  
## rastr21h40m48.39s NA  
## rastr21h41m28.87s NA  
## rastr21h42m22.03s NA  
## rastr21h43m24.90s NA  
## rastr21h45m22.00s NA  
## rastr21h47m24.40s NA  
## rastr21h49m59.45s NA  
## rastr21h50m00.12s NA  
## rastr21h50m39.77s NA  
## rastr21h52m36.43s NA  
## rastr21h54m04.20s NA  
## rastr21h54m52.36s NA  
## rastr21h55m54.22s NA  
## rastr21h56m23.99s NA  
## rastr21h57m19.98s NA  
## rastr21h58m59.78s NA  
## rastr22h03m10.81s NA  
## rastr22h03m29.14s NA  
## rastr22h04m12.10s NA  
## rastr22h04m48.74s NA  
## rastr22h06m06.40s NA  
## rastr22h09m29.95s NA  
## rastr22h09m34.83s NA  
## rastr22h09m38.15s NA  
## rastr22h09m41.52s NA  
## rastr22h10m51.44s NA  
## rastr22h11m47.58s NA  
## rastr22h11m51.33s NA  
## rastr22h12m06.50s NA  
## rastr22h13m43.79s NA  
## rastr22h15m00.45s NA  
## rastr22h15m15.80s NA  
## rastr22h18m06.88s NA  
## rastr22h18m29.46s NA  
## rastr22h22m03.10s NA  
## rastr22h22m15.88s NA  
## rastr22h22m29.60s NA  
## rastr22h24m36.56s NA  
## rastr22h25m17.31s NA  
## rastr22h26m18.27s NA  
## rastr22h27m02.98s NA  
## rastr22h27m31.29s NA  
## rastr22h29m49.88s NA  
## rastr22h30m02.47s NA  
## rastr22h30m49.68s NA  
## rastr22h31m00.15s NA  
## rastr22h31m05.47s NA  
## rastr22h33m28.37s NA  
## rastr22h33m35.92s NA  
## rastr22h34m25.50s NA  
## rastr22h35m56.09s NA  
## rastr22h36m06.20s NA  
## rastr22h40m19.97s NA  
## rastr22h41m12.91s NA  
## rastr22h43m21.14s NA  
## rastr22h45m27.37s NA  
## rastr22h46m36.65s NA  
## rastr22h47m30.45s NA  
## rastr22h48m07.60s NA  
## rastr22h49m32.62s NA  
## rastr22h52m09.96s NA  
## rastr22h53m03.98s NA  
## rastr22h53m17.75s NA  
## rastr22h53m38.27s NA  
## rastr22h54m39.35s NA  
## rastr22h55m29.30s NA  
## rastr22h55m53.97s NA  
## rastr22h57m28.21s NA  
## rastr22h57m46.89s NA  
## rastr22h58m15.53s NA  
## rastr22h59m29.66s NA  
## rastr23h03m08.11s NA  
## rastr23h04m18.02s NA  
## rastr23h04m32.78s NA  
## rastr23h05m52.04s NA  
## rastr23h06m30.33s NA  
## rastr23h07m28.84s NA  
## rastr23h09m11.38s NA  
## rastr23h09m58.27s NA  
## rastr23h10m29.26s NA  
## rastr23h10m49.04s NA  
## rastr23h10m50.60s NA  
## rastr23h12m14.15s NA  
## rastr23h12m37.71s NA  
## rastr23h13m20.93s NA  
## rastr23h13m26.50s NA  
## rastr23h13m58.75s NA  
## rastr23h14m07.67s NA  
## rastr23h14m53.85s NA  
## rastr23h15m42.22s NA  
## rastr23h15m47.77s NA  
## rastr23h15m53.88s NA  
## rastr23h15m58.33s NA  
## rastr23h16m15.23s NA  
## rastr23h16m49.73s NA  
## rastr23h17m10.72s NA  
## rastr23h17m32.24s NA  
## rastr23h18m14.22s NA  
## rastr23h18m29.51s NA  
## rastr23h18m46.73s NA  
## rastr23h20m06.86s NA  
## rastr23h20m14.40s NA  
## rastr23h21m58.73s NA  
## rastr23h23m40.09s NA  
## rastr23h24m32.49s NA  
## rastr23h25m52.97s NA  
## rastr23h26m27.47s NA  
## rastr23h26m36.82s NA  
## rastr23h27m05.23s NA  
## rastr23h28m41.41s NA  
## rastr23h31m17.80s NA  
## rastr23h31m20.69s NA  
## rastr23h31m52.81s NA  
## rastr23h32m07.96s NA  
## rastr23h32m55.05s NA  
## rastr23h32m58.45s NA  
## rastr23h33m19.66s NA  
## rastr23h34m15.10s NA  
## rastr23h34m27.90s NA  
## rastr23h35m49.04s NA  
## rastr23h36m40.49s NA  
## rastr23h36m57.80s NA  
## rastr23h38m00.61s NA  
## rastr23h38m07.68s NA  
## rastr23h39m05.78s NA  
## rastr23h39m20.60s NA  
## rastr23h41m51.38s NA  
## rastr23h43m18.88s NA  
## rastr23h46m40.01s NA  
## rastr23h50m19.36s NA  
## rastr23h51m23.14s NA  
## rastr23h51m31.01s NA  
## rastr23h54m03.63s NA  
## rastr23h54m14.12s NA  
## rastr23h54m40.53s NA  
## rastr23h56m36.47s NA  
## rastr23h56m45.96s NA  
## rastr23h57m23.77s NA  
## rastr23h58m51.94s NA  
## rastr23h59m10.41s NA  
## rastr23h59m36.21s NA  
## rastr23h59m54.00s NA  
## ra NA  
## decstr-00d07m41.42s NA  
## decstr-00d10m14.63s NA  
## decstr-00d16m55.48s NA  
## decstr-00d17m56.96s NA  
## decstr-00d23m36.37s NA  
## decstr-00d25m49.29s NA  
## decstr-00d40m22.03s NA  
## decstr-00d41m48.77s NA  
## decstr-00d49m24.83s NA  
## decstr-00d51m56.73s NA  
## decstr-00d54m08.64s NA  
## decstr-01d02m06.10s NA  
## decstr-01d03m46.83s NA  
## decstr-01d04m24.00s NA  
## decstr-01d04m33.61s NA  
## decstr-01d06m39.32s NA  
## decstr-01d09m48.97s NA  
## decstr-01d11m21.06s NA  
## decstr-01d11m47.02s NA  
## decstr-01d15m08.28s NA  
## decstr-01d17m07.24s NA  
## decstr-01d17m47.20s NA  
## decstr-01d19m42.39s NA  
## decstr-01d24m17.00s NA  
## decstr-01d27m18.49s NA  
## decstr-01d31m47.14s NA  
## decstr-01d34m07.08s NA  
## decstr-01d34m47.95s NA  
## decstr-01d35m32.25s NA  
## decstr-01d41m18.87s NA  
## decstr-01d43m28.14s NA  
## decstr-01d46m26.61s NA  
## decstr-01d58m58.03s NA  
## decstr-02d01m49.39s NA  
## decstr-02d02m42.34s NA  
## decstr-02d03m27.67s NA  
## decstr-02d08m39.97s NA  
## decstr-02d11m04.98s NA  
## decstr-02d15m40.19s NA  
## decstr-02d15m53.97s NA  
## decstr-02d16m40.94s NA  
## decstr-02d23m43.62s NA  
## decstr-02d28m25.77s NA  
## decstr-02d30m47.87s NA  
## decstr-02d38m19.57s NA  
## decstr-02d39m08.24s NA  
## decstr-02d46m28.95s NA  
## decstr-02d46m44.90s NA  
## decstr-02d58m15.53s NA  
## decstr-03d00m30.89s NA  
## decstr-03d01m53.35s NA  
## decstr-03d06m07.70s NA  
## decstr-03d19m11.97s NA  
## decstr-03d22m51.81s NA  
## decstr-03d23m46.90s NA  
## decstr-03d26m40.20s NA  
## decstr-03d33m11.21s NA  
## decstr-03d33m44.96s NA  
## decstr-03d39m58.06s NA  
## decstr-03d43m09.44s NA  
## decstr-03d48m30.08s NA  
## decstr-03d50m06.00s NA  
## decstr-03d54m20.07s NA  
## decstr-03d58m31.59s NA  
## decstr-04d03m00.38s NA  
## decstr-04d25m20.27s NA  
## decstr-04d38m26.99s NA  
## decstr-04d45m19.95s NA  
## decstr-04d48m25.21s NA  
## decstr-05d00m43.31s NA  
## decstr-05d02m36.46s NA  
## decstr-05d02m52.70s NA  
## decstr-05d03m14.84s NA  
## decstr-05d04m46.15s NA  
## decstr-05d05m11.24s NA  
## decstr-05d05m41.49s NA  
## decstr-05d09m50.92s NA  
## decstr-05d10m42.27s NA  
## decstr-05d22m00.53s NA  
## decstr-05d26m32.98s NA  
## decstr-05d32m09.74s NA  
## decstr-05d40m30.41s NA  
## decstr-05d45m53.86s NA  
## decstr-05d59m10.46s NA  
## decstr-05d59m46.82s NA  
## decstr-06d00m09.37s NA  
## decstr-06d08m09.90s NA  
## decstr-06d08m21.61s NA  
## decstr-06d13m47.21s NA  
## decstr-06d24m07.45s NA  
## decstr-06d36m44.24s NA  
## decstr-06d43m18.65s NA  
## decstr-06d48m14.66s NA  
## decstr-07d03m38.40s NA  
## decstr-07d15m27.15s NA  
## decstr-07d19m05.01s NA  
## decstr-07d23m24.53s NA  
## decstr-07d24m29.68s NA  
## decstr-07d33m02.15s NA  
## decstr-07d43m21.70s NA  
## decstr-07d47m42.15s NA  
## decstr-07d51m27.21s NA  
## decstr-07d57m22.87s NA  
## decstr-07d59m44.41s NA  
## decstr-08d01m37.15s NA  
## decstr-08d03m13.03s NA  
## decstr-08d14m01.02s NA  
## decstr-08d16m52.12s NA  
## decstr-08d19m03.49s NA  
## decstr-08d19m40.89s NA  
## decstr-08d32m55.03s NA  
## decstr-08d35m49.51s NA  
## decstr-08d44m49.98s NA  
## decstr-08d49m27.34s NA  
## decstr-08d50m52.94s NA  
## decstr-09d01m22.59s NA  
## decstr-09d05m16.11s NA  
## decstr-09d19m29.89s NA  
## decstr-09d23m57.71s NA  
## decstr-09d27m29.42s NA  
## decstr-09d30m48.83s NA  
## decstr-09d30m59.65s NA  
## decstr-09d35m48.09s NA  
## decstr-09d36m27.40s NA  
## decstr-09d36m43.23s NA  
## decstr-09d45m54.86s NA  
## decstr-09d46m26.88s NA  
## decstr-09d48m23.20s NA  
## decstr-09d56m45.85s NA  
## decstr-10d08m46.37s NA  
## decstr-10d14m36.49s NA  
## decstr-10d17m28.84s NA  
## decstr-10d21m07.84s NA  
## decstr-10d25m28.63s NA  
## decstr-10d33m03.87s NA  
## decstr-10d37m49.16s NA  
## decstr-10d38m21.62s NA  
## decstr-10d40m31.69s NA  
## decstr-10d42m41.53s NA  
## decstr-10d43m30.29s NA  
## decstr-10d46m13.52s NA  
## decstr-10d50m59.06s NA  
## decstr-10d53m52.89s NA  
## decstr-10d58m35.12s NA  
## decstr-11d02m01.40s NA  
## decstr-11d02m41.79s NA  
## decstr-11d14m07.22s NA  
## decstr-11d24m24.43s NA  
## decstr-11d34m45.55s NA  
## decstr-11d35m20.36s NA  
## decstr-11d37m17.47s NA  
## decstr-11d38m13.37s NA  
## decstr-11d43m04.08s NA  
## decstr-11d50m16.05s NA  
## decstr-11d54m04.23s NA  
## decstr-11d55m22.71s NA  
## decstr-11d56m17.75s NA  
## decstr-12d01m08.64s NA  
## decstr-12d05m05.51s NA  
## decstr-12d06m28.78s NA  
## decstr-12d07m49.07s NA  
## decstr-12d10m01.79s NA  
## decstr-12d17m05.71s NA  
## decstr-12d31m01.22s NA  
## decstr-12d38m11.13s NA  
## decstr-12d40m03.67s NA  
## decstr-12d47m00.07s NA  
## decstr-12d47m32.01s NA  
## decstr-12d55m39.59s NA  
## decstr-12d56m41.17s NA  
## decstr-12d59m08.37s NA  
## decstr-13d10m29.43s NA  
## decstr-13d15m23.50s NA  
## decstr-13d23m58.64s NA  
## decstr-13d26m00.18s NA  
## decstr-13d33m34.37s NA  
## decstr-13d34m37.09s NA  
## decstr-13d43m54.50s NA  
## decstr-13d54m24.01s NA  
## decstr-13d59m10.81s NA  
## decstr-14d04m06.38s NA  
## decstr-14d15m59.74s NA  
## decstr-14d16m36.27s NA  
## decstr-14d25m08.94s NA  
## decstr-14d27m26.75s NA  
## decstr-14d29m21.57s NA  
## decstr-14d29m41.20s NA  
## decstr-14d32m14.22s NA  
## decstr-14d47m22.21s NA  
## decstr-14d56m52.15s NA  
## decstr-14d57m03.52s NA  
## decstr-14d59m30.39s NA  
## decstr-15d01m34.41s NA  
## decstr-15d16m02.66s NA  
## decstr-15d16m25.34s NA  
## decstr-15d16m26.79s NA  
## decstr-15d53m43.44s NA  
## decstr-15d56m01.68s NA  
## decstr-15d57m51.64s NA  
## decstr-16d02m10.78s NA  
## decstr-16d13m38.37s NA  
## decstr-16d20m21.30s NA  
## decstr-16d24m23.20s NA  
## decstr-16d30m32.41s NA  
## decstr-16d35m40.18s NA  
## decstr-16d43m28.73s NA  
## decstr-16d57m23.37s NA  
## decstr-16d57m55.40s NA  
## decstr-16d59m46.48s NA  
## decstr-17d00m01.10s NA  
## decstr-17d04m39.34s NA  
## decstr-17d06m54.62s NA  
## decstr-17d15m02.88s NA  
## decstr-17d15m50.78s NA  
## decstr-17d19m59.05s NA  
## decstr-17d28m54.53s NA  
## decstr-17d30m12.59s NA  
## decstr-17d39m28.01s NA  
## decstr-17d41m13.42s NA  
## decstr-17d46m34.30s NA  
## decstr-17d54m38.57s NA  
## decstr-18d00m41.99s NA  
## decstr-18d01m19.10s NA  
## decstr-18d06m24.98s NA  
## decstr-18d18m56.79s NA  
## decstr-18d26m09.50s NA  
## decstr-18d52m35.13s NA  
## decstr-18d58m17.07s NA  
## decstr-19d01m53.86s NA  
## decstr-19d03m17.20s NA  
## decstr-19d03m24.55s NA  
## decstr-19d15m22.25s NA  
## decstr-19d17m03.67s NA  
## decstr-19d17m30.07s NA  
## decstr-19d18m53.02s NA  
## decstr-19d20m03.71s NA  
## decstr-19d20m51.53s NA  
## decstr-19d21m21.32s NA  
## decstr-19d26m15.10s NA  
## decstr-19d30m26.63s NA  
## decstr-19d32m32.30s NA  
## decstr-19d32m34.98s NA  
## decstr-19d33m25.05s NA  
## decstr-19d36m19.06s NA  
## decstr-19d39m46.05s NA  
## decstr-19d41m27.15s NA  
## decstr-19d42m16.01s NA  
## decstr-19d44m50.76s NA  
## decstr-19d49m44.18s NA  
## decstr-19d55m53.34s NA  
## decstr-19d56m59.03s NA  
## decstr-19d57m12.40s NA  
## decstr-20d09m58.96s NA  
## decstr-20d11m56.03s NA  
## decstr-20d13m54.47s NA  
## decstr-20d16m02.40s NA  
## decstr-20d16m31.57s NA  
## decstr-20d21m20.18s NA  
## decstr-20d27m03.60s NA  
## decstr-20d37m00.45s NA  
## decstr-20d39m42.63s NA  
## decstr-20d47m23.02s NA  
## decstr-20d48m09.73s NA  
## decstr-20d51m23.30s NA  
## decstr-20d57m28.65s NA  
## decstr-20d58m56.71s NA  
## decstr-21d11m46.37s NA  
## decstr-21d12m11.92s NA  
## decstr-21d12m28.29s NA  
## decstr-21d16m19.26s NA  
## decstr-21d28m55.40s NA  
## decstr-21d40m25.33s NA  
## decstr-21d43m38.71s NA  
## decstr-21d48m04.32s NA  
## decstr-21d52m03.80s NA  
## decstr-21d54m38.56s NA  
## decstr-21d56m01.13s NA  
## decstr-22d05m39.59s NA  
## decstr-22d06m59.00s NA  
## decstr-22d09m11.63s NA  
## decstr-22d12m16.15s NA  
## decstr-22d14m51.75s NA  
## decstr-22d17m36.31s NA  
## decstr-22d17m45.12s NA  
## decstr-22d21m30.04s NA  
## decstr-22d23m17.44s NA  
## decstr-22d23m24.03s NA  
## decstr-22d25m40.80s NA  
## decstr-22d27m13.01s NA  
## decstr-22d32m48.78s NA  
## decstr-22d33m46.83s NA  
## decstr-22d40m26.85s NA  
## decstr-22d59m12.64s NA  
## decstr-23d05m09.62s NA  
## decstr-23d11m21.91s NA  
## decstr-23d12m10.15s NA  
## decstr-23d13m05.18s NA  
## decstr-23d14m28.74s NA  
## decstr-23d21m17.44s NA  
## decstr-23d27m10.11s NA  
## decstr-23d29m09.91s NA  
## decstr-23d29m32.98s NA  
## decstr-23d32m53.78s NA  
## decstr-23d33m29.68s NA  
## decstr-23d37m10.92s NA  
## decstr-23d46m52.47s NA  
## decstr-23d49m11.25s NA  
## decstr-23d51m39.40s NA  
## decstr-23d55m26.84s NA  
## decstr-23d56m08.84s NA  
## decstr-23d56m45.97s NA  
## decstr-23d58m31.76s NA  
## decstr-24d05m57.07s NA  
## decstr-24d08m12.87s NA  
## decstr-24d10m47.26s NA  
## decstr-24d18m12.62s NA  
## decstr-24d22m08.14s NA  
## decstr-24d25m38.60s NA  
## decstr-24d25m43.30s NA  
## decstr-24d27m15.13s NA  
## decstr-24d41m44.07s NA  
## decstr-24d53m31.56s NA  
## decstr-24d59m26.17s NA  
## decstr-25d10m16.82s NA  
## decstr-25d12m31.69s NA  
## decstr-25d16m34.67s NA  
## decstr-25d18m08.31s NA  
## decstr-25d18m34.82s NA  
## decstr-25d20m58.80s NA  
## decstr-25d24m32.12s NA  
## decstr-25d31m41.64s NA  
## decstr-25d35m41.63s NA  
## decstr-25d38m46.76s NA  
## decstr-25d41m14.55s NA  
## decstr-25d41m30.39s NA  
## decstr-25d44m54.12s NA  
## decstr-25d48m11.42s NA  
## decstr-25d59m27.79s NA  
## decstr-26d01m37.83s NA  
## decstr-26d03m14.92s NA  
## decstr-26d04m39.23s NA  
## decstr-26d05m48.19s NA  
## decstr-26d30m54.14s NA  
## decstr-26d36m58.95s NA  
## decstr-26d39m34.30s NA  
## decstr-26d41m34.32s NA  
## decstr-26d43m25.93s NA  
## decstr-26d44m24.73s NA  
## decstr-26d47m51.61s NA  
## decstr-26d53m38.64s NA  
## decstr-27d02m01.52s NA  
## decstr-27d03m01.50s NA  
## decstr-27d04m41.23s NA  
## decstr-27d23m34.14s NA  
## decstr-27d31m20.02s NA  
## decstr-27d37m23.96s NA  
## decstr-27d37m24.34s NA  
## decstr-27d38m10.02s NA  
## decstr-27d50m29.74s NA  
## decstr-27d50m35.29s NA  
## decstr-27d58m21.27s NA  
## decstr-28d03m42.46s NA  
## decstr-28d04m22.03s NA  
## decstr-28d11m49.97s NA  
## decstr-28d25m08.67s NA  
## decstr-28d33m39.00s NA  
## decstr-28d35m01.80s NA  
## decstr-28d35m08.16s NA  
## decstr-28d42m38.10s NA  
## decstr-28d46m50.30s NA  
## decstr-28d47m02.82s NA  
## decstr-28d51m15.67s NA  
## decstr-29d03m31.16s NA  
## decstr-29d09m21.83s NA  
## decstr-29d24m51.49s NA  
## decstr-29d24m59.35s NA  
## decstr-29d25m18.15s NA  
## decstr-29d32m36.11s NA  
## decstr-29d38m42.37s NA  
## decstr-29d46m36.41s NA  
## decstr-29d48m01.60s NA  
## decstr-29d49m00.45s NA  
## decstr-29d52m35.31s NA  
## decstr-29d53m49.89s NA  
## decstr-29d55m02.11s NA  
## decstr-29d56m16.50s NA  
## decstr-29d59m49.64s NA  
## decstr-30d00m46.94s NA  
## decstr-30d02m14.40s NA  
## decstr-30d10m08.68s NA  
## decstr-30d10m30.50s NA  
## decstr-30d20m53.35s NA  
## decstr-30d23m58.06s NA  
## decstr-30d35m00.99s NA  
## decstr-30d36m01.57s NA  
## decstr-30d37m00.63s NA  
## decstr-30d38m23.34s NA  
## decstr-30d44m58.99s NA  
## decstr-30d48m16.71s NA  
## decstr-30d48m42.48s NA  
## decstr-30d48m50.62s NA  
## decstr-30d58m14.94s NA  
## decstr-31d08m39.62s NA  
## decstr-31d09m46.78s NA  
## decstr-31d12m07.45s NA  
## decstr-31d14m39.82s NA  
## decstr-31d16m09.16s NA  
## decstr-31d17m41.44s NA  
## decstr-31d20m32.82s NA  
## decstr-31d28m51.61s NA  
## decstr-31d44m16.21s NA  
## decstr-31d52m28.83s NA  
## decstr-32d09m34.96s NA  
## decstr-32d19m13.50s NA  
## decstr-32d20m22.03s NA  
## decstr-32d31m30.01s NA  
## decstr-32d32m37.07s NA  
## decstr-32d39m47.08s NA  
## decstr-32d43m34.90s NA  
## decstr-32d45m19.51s NA  
## decstr-32d48m01.25s NA  
## decstr-32d51m30.20s NA  
## decstr-32d51m36.45s NA  
## decstr-32d55m15.02s NA  
## decstr-33d26m14.45s NA  
## decstr-33d34m02.00s NA  
## decstr-33d34m39.65s NA  
## decstr-33d43m46.88s NA  
## decstr-33d51m36.28s NA  
## decstr-33d52m54.09s NA  
## decstr-33d54m54.96s NA  
## decstr-33d55m15.85s NA  
## decstr-34d06m25.82s NA  
## decstr-34d07m21.88s NA  
## decstr-34d08m08.61s NA  
## decstr-34d08m08.70s NA  
## decstr-34d11m54.53s NA  
## decstr-34d13m34.37s NA  
## decstr-34d19m41.78s NA  
## decstr-34d27m32.75s NA  
## decstr-34d27m34.01s NA  
## decstr-34d29m29.08s NA  
## decstr-34d34m44.73s NA  
## decstr-34d36m40.70s NA  
## decstr-34d40m05.70s NA  
## decstr-34d55m31.97s NA  
## decstr-34d59m23.67s NA  
## decstr-34d59m51.95s NA  
## decstr-35d01m52.81s NA  
## decstr-35d03m22.25s NA  
## decstr-35d06m52.28s NA  
## decstr-35d07m00.16s NA  
## decstr-35d18m52.75s NA  
## decstr-35d23m27.31s NA  
## decstr-35d25m40.23s NA  
## decstr-35d29m23.73s NA  
## decstr-35d32m22.28s NA  
## decstr-35d32m54.99s NA  
## decstr-35d34m16.69s NA  
## decstr-35d38m26.03s NA  
## decstr-35d47m47.84s NA  
## decstr-35d51m11.0s NA  
## decstr-35d59m54.47s NA  
## decstr-36d37m51.53s NA  
## decstr-36d38m46.07s NA  
## decstr-36d51m29.19s NA  
## decstr-37d02m20.89s NA  
## decstr-37d13m51.41s NA  
## decstr-37d33m12.08s NA  
## decstr-37d37m41.61s NA  
## decstr-37d44m41.58s NA  
## decstr-37d45m50.89s NA  
## decstr-37d46m51.57s NA  
## decstr-37d48m10.16s NA  
## decstr-37d48m44.06s NA  
## decstr-37d49m46.12s NA  
## decstr-37d54m36.48s NA  
## decstr-37d55m02.04s NA  
## decstr-37d56m23.03s NA  
## decstr-37d58m59.25s NA  
## decstr-38d08m22.98s NA  
## decstr-38d10m28.70s NA  
## decstr-38d19m24.18s NA  
## decstr-38d22m38.71s NA  
## decstr-38d44m40.37s NA  
## decstr-38d58m05.87s NA  
## decstr-39d01m56.48s NA  
## decstr-39d05m50.17s NA  
## decstr-39d11m34.68s NA  
## decstr-39d13m31.75s NA  
## decstr-39d13m49.76s NA  
## decstr-39d29m25.77s NA  
## decstr-39d42m16.00s NA  
## decstr-39d44m14.06s NA  
## decstr-39d45m29.02s NA  
## decstr-39d47m27.15s NA  
## decstr-39d54m03.24s NA  
## decstr-39d54m25.64s NA  
## decstr-40d02m40.31s NA  
## decstr-40d02m54.38s NA  
## decstr-40d19m06.47s NA  
## decstr-40d23m39.28s NA  
## decstr-40d29m55.04s NA  
## decstr-40d32m37.32s NA  
## decstr-40d34m24.46s NA  
## decstr-40d39m21.83s NA  
## decstr-40d47m54.67s NA  
## decstr-40d48m43.72s NA  
## decstr-40d53m17.73s NA  
## decstr-41d13m30.74s NA  
## decstr-41d14m38.53s NA  
## decstr-41d16m12.36s NA  
## decstr-41d16m37.99s NA  
## decstr-41d18m07.28s NA  
## decstr-41d19m06.32s NA  
## decstr-41d23m05.50s NA  
## decstr-41d23m52.95s NA  
## decstr-41d25m15.95s NA  
## decstr-41d26m15.50s NA  
## decstr-41d27m52.57s NA  
## decstr-41d29m39.88s NA  
## decstr-41d44m15.99s NA  
## decstr-41d49m15.54s NA  
## decstr-41d57m38.38s NA  
## decstr-42d03m42.41s NA  
## decstr-42d03m50.25s NA  
## decstr-42d04m25.02s NA  
## decstr-42d24m35.14s NA  
## decstr-42d28m30.98s NA  
## decstr-42d34m32.60s NA  
## decstr-42d42m17.88s NA  
## decstr-42d43m55.70s NA  
## decstr-42d45m44.03s NA  
## decstr-42d45m46.90s NA  
## decstr-42d58m47.81s NA  
## decstr-43d03m59.95s NA  
## decstr-43d08m46.44s NA  
## decstr-43d16m21.80s NA  
## decstr-43d18m37.35s NA  
## decstr-43d26m12.74s NA  
## decstr-43d30m17.34s NA  
## decstr-44d05m19.33s NA  
## decstr-44d15m15.00s NA  
## decstr-44d18m43.48s NA  
## decstr-44d19m23.71s NA  
## decstr-44d26m06.21s NA  
## decstr-44d30m51.52s NA  
## decstr-44d41m19.82s NA  
## decstr-44d52m35.35s NA  
## decstr-44d53m15.43s NA  
## decstr-45d02m34.87s NA  
## decstr-45d39m32.79s NA  
## decstr-45d40m40.06s NA  
## decstr-45d46m44.46s NA  
## decstr-45d47m58.04s NA  
## decstr-45d53m53.68s NA  
## decstr-45d55m21.31s NA  
## decstr-46d03m59.45s NA  
## decstr-46d08m11.11s NA  
## decstr-46d09m34.26s NA  
## decstr-46d19m03.03s NA  
## decstr-46d20m00.09s NA  
## decstr-46d27m52.86s NA  
## decstr-46d29m03.47s NA  
## decstr-46d35m15.78s NA  
## decstr-46d42m53.00s NA  
## decstr-46d49m00.03s NA  
## decstr-46d49m16.91s NA  
## decstr-46d53m56.34s NA  
## decstr-47d09m17.77s NA  
## decstr-47d14m15.27s NA  
## decstr-47d16m18.86s NA  
## decstr-47d21m38.29s NA  
## decstr-47d33m43.31s NA  
## decstr-47d35m16.14s NA  
## decstr-47d36m49.24s NA  
## decstr-47d54m52.86s NA  
## decstr-47d56m15.14s NA  
## decstr-48d00m11.16s NA  
## decstr-48d19m07.74s NA  
## decstr-48d27m43.50s NA  
## decstr-48d32m30.58s NA  
## decstr-48d33m00.83s NA  
## decstr-48d35m55.08s NA  
## decstr-48d39m15.34s NA  
## decstr-48d40m43.83s NA  
## decstr-48d58m42.28s NA  
## decstr-49d00m45.06s NA  
## decstr-49d04m31.30s NA  
## decstr-49d08m18.65s NA  
## decstr-49d20m06.80s NA  
## decstr-49d25m02.16s NA  
## decstr-49d26m02.77s NA  
## decstr-49d39m53.79s NA  
## decstr-49d47m25.89s NA  
## decstr-49d56m56.15s NA  
## decstr-49d57m50.11s NA  
## decstr-50d00m29.50s NA  
## decstr-50d04m02.46s NA  
## decstr-50d05m36.92s NA  
## decstr-50d10m51.22s NA  
## decstr-50d12m42.09s NA  
## decstr-50d16m04.44s NA  
## decstr-50d17m03.93s NA  
## decstr-50d17m34.05s NA  
## decstr-50d27m47.14s NA  
## decstr-50d37m22.11s NA  
## decstr-50d39m33.51s NA  
## decstr-50d47m57.65s NA  
## decstr-50d49m15.58s NA  
## decstr-50d49m56.15s NA  
## decstr-51d03m58.13s NA  
## decstr-51d19m32.70s NA  
## decstr-51d21m46.99s NA  
## decstr-51d38m16.00s NA  
## decstr-51d39m52.07s NA  
## decstr-51d50m05.55s NA  
## decstr-51d55m53.42s NA  
## decstr-51d55m58.48s NA  
## decstr-51d57m26.62s NA  
## decstr-52d07m13.61s NA  
## decstr-52d22m59.73s NA  
## decstr-52d26m46.86s NA  
## decstr-52d28m04.34s NA  
## decstr-52d38m47.31s NA  
## decstr-52d50m26.94s NA  
## decstr-52d54m58.44s NA  
## decstr-53d22m16.24s NA  
## decstr-53d39m50.50s NA  
## decstr-53d44m28.63s NA  
## decstr-53d44m37.53s NA  
## decstr-53d56m26.79s NA  
## decstr-54d10m39.80s NA  
## decstr-54d15m55.24s NA  
## decstr-54d27m54.59s NA  
## decstr-54d31m57.82s NA  
## decstr-54d33m34.56s NA  
## decstr-54d48m45.41s NA  
## decstr-54d49m50.96s NA  
## decstr-54d53m36.03s NA  
## decstr-54d54m37.52s NA  
## decstr-55d15m36.07s NA  
## decstr-55d18m41.54s NA  
## decstr-55d19m48.97s NA  
## decstr-55d46m19.20s NA  
## decstr-55d52m18.71s NA  
## decstr-56d02m25.47s NA  
## decstr-56d11m30.73s NA  
## decstr-56d18m57.97s NA  
## decstr-56d19m19.59s NA  
## decstr-56d20m39.41s NA  
## decstr-56d26m59.29s NA  
## decstr-56d27m44.23s NA  
## decstr-56d35m59.27s NA  
## decstr-56d37m24.80s NA  
## decstr-56d38m59.96s NA  
## decstr-56d40m51.74s NA  
## decstr-56d47m48.85s NA  
## decstr-56d50m35.22s NA  
## decstr-56d54m14.35s NA  
## decstr-56d55m31.40s NA  
## decstr-57d23m05.99s NA  
## decstr-57d32m33.23s NA  
## decstr-58d00m19.37s NA  
## decstr-58d01m14.91s NA  
## decstr-58d01m28.86s NA  
## decstr-58d08m56.16s NA  
## decstr-58d12m35.11s NA  
## decstr-58d19m23.78s NA  
## decstr-58d39m51.82s NA  
## decstr-58d42m14.45s NA  
## decstr-58d50m10.13s NA  
## decstr-58d54m17.01s NA  
## decstr-58d56m45.91s NA  
## decstr-59d18m10.36s NA  
## decstr-59d24m34.84s NA  
## decstr-59d28m41.09s NA  
## decstr-59d32m27.55s NA  
## decstr-59d34m45.66s NA  
## decstr-59d41m35.93s NA  
## decstr-59d51m53.38s NA  
## decstr-59d56m33.32s NA  
## decstr-60d01m25.42s NA  
## decstr-60d03m56.63s NA  
## decstr-60d04m38.02s NA  
## decstr-60d12m02.50s NA  
## decstr-60d18m30.36s NA  
## decstr-60d26m52.15s NA  
## decstr-60d30m41.36s NA  
## decstr-60d31m16.71s NA  
## decstr-60d38m05.15s NA  
## decstr-60d44m23.67s NA  
## decstr-60d53m30.34s NA  
## decstr-60d54m19.66s NA  
## decstr-61d05m42.94s NA  
## decstr-61d08m07.68s NA  
## decstr-61d21m18.14s NA  
## decstr-61d24m20.51s NA  
## decstr-61d25m20.55s NA  
## decstr-61d35m12.70s NA  
## decstr-61d41m24.46s NA  
## decstr-61d44m50.64s NA  
## decstr-61d45m22.08s NA  
## decstr-61d57m26.09s NA  
## decstr-61d59m49.96s NA  
## decstr-62d27m19.93s NA  
## decstr-62d28m09.54s NA  
## decstr-62d40m34.26s NA  
## decstr-62d42m06.59s NA  
## decstr-62d46m02.16s NA  
## decstr-62d49m25.53s NA  
## decstr-63d15m37.19s NA  
## decstr-63d30m00.60s NA  
## decstr-63d31m04.00s NA  
## decstr-63d33m56.34s NA  
## decstr-63d38m48.08s NA  
## decstr-63d39m20.49s NA  
## decstr-63d59m17.98s NA  
## decstr-64d01m20.46s NA  
## decstr-64d01m37.34s NA  
## decstr-64d37m12.98s NA  
## decstr-64d42m45.72s NA  
## decstr-65d11m10.77s NA  
## decstr-65d11m37.61s NA  
## decstr-65d26m58.92s NA  
## decstr-65d34m43.01s NA  
## decstr-65d38m46.77s NA  
## decstr-65d39m09.78s NA  
## decstr-65d49m33.02s NA  
## decstr-66d06m50.13s NA  
## decstr-66d11m19.30s NA  
## decstr-66d21m32.14s NA  
## decstr-66d28m04.02s NA  
## decstr-66d40m34.86s NA  
## decstr-66d41m11.87s NA  
## decstr-66d48m01.71s NA  
## decstr-67d15m55.30s NA  
## decstr-67d19m25.68s NA  
## decstr-67d38m49.15s NA  
## decstr-68d06m09.68s NA  
## decstr-68d18m52.08s NA  
## decstr-68d25m28.80s NA  
## decstr-68d45m46.76s NA  
## decstr-68d50m00.03s NA  
## decstr-69d13m35.73s NA  
## decstr-69d56m42.24s NA  
## decstr-70d01m28.27s NA  
## decstr-70d04m24.22s NA  
## decstr-70d08m17.66s NA  
## decstr-70d09m10.30s NA  
## decstr-70d29m06.26s NA  
## decstr-70d54m11.69s NA  
## decstr-71d21m41.87s NA  
## decstr-71d25m20.96s NA  
## decstr-71d52m36.74s NA  
## decstr-71d53m43.90s NA  
## decstr-72d19m18.92s NA  
## decstr-72d21m24.14s NA  
## decstr-72d48m16.71s NA  
## decstr-73d36m21.73s NA  
## decstr-73d41m59.33s NA  
## decstr-73d57m27.16s NA  
## decstr-74d24m36.26s NA  
## decstr-75d11m56.20s NA  
## decstr-75d20m57.26s NA  
## decstr-75d21m05.40s NA  
## decstr-75d32m39.37s NA  
## decstr-75d38m47.62s NA  
## decstr-76d18m14.52s NA  
## decstr-76d40m50.18s NA  
## decstr-77d20m19.69s NA  
## decstr-77d23m07.18s NA  
## decstr-77d23m27.91s NA  
## decstr-77d43m05.96s NA  
## decstr-78d01m25.26s NA  
## decstr-78d16m44.93s NA  
## decstr-79d51m05.12s NA  
## decstr-80d12m15.90s NA  
## decstr-80d27m52.57s NA  
## decstr-81d15m02.68s NA  
## decstr-81d27m15.39s NA  
## decstr-81d46m06.42s NA  
## decstr-82d01m38.97s NA  
## decstr-82d13m07.93s NA  
## decstr-83d44m37.56s NA  
## decstr-84d13m54.30s NA  
## decstr-86d58m47.87s NA  
## decstr-88d07m16.00s NA  
## decstr+00d06m16.09s NA  
## decstr+00d07m18.61s NA  
## decstr+00d13m36.82s NA  
## decstr+00d15m16.85s NA  
## decstr+00d18m24.08s NA  
## decstr+00d24m30.82s NA  
## decstr+00d26m40.94s NA  
## decstr+00d29m35.40s NA  
## decstr+00d36m12.95s NA  
## decstr+00d44m45.65s NA  
## decstr+00d45m31.77s NA  
## decstr+00d47m21.63s NA  
## decstr+00d47m57.44s NA  
## decstr+00d48m54.78s NA  
## decstr+00d53m46.60s NA  
## decstr+00d56m14.20s NA  
## decstr+01d03m54.08s NA  
## decstr+01d10m03.31s NA  
## decstr+01d12m01.84s NA  
## decstr+01d13m50.25s NA  
## decstr+01d17m09.12s NA  
## decstr+01d18m00.55s NA  
## decstr+01d23m01.19s NA  
## decstr+01d25m34.67s NA  
## decstr+01d32m31.20s NA  
## decstr+01d41m26.24s NA  
## decstr+01d43m44.43s NA  
## decstr+01d46m03.18s NA  
## decstr+01d51m32.79s NA  
## decstr+01d51m35.62s NA  
## decstr+01d53m37.81s NA  
## decstr+02d03m44.20s NA  
## decstr+02d05m04.04s NA  
## decstr+02d05m54.92s NA  
## decstr+02d11m46.69s NA  
## decstr+02d14m40.85s NA  
## decstr+02d20m06.10s NA  
## decstr+02d20m35.83s NA  
## decstr+02d22m15.79s NA  
## decstr+02d25m05.50s NA  
## decstr+02d25m52.58s NA  
## decstr+02d34m50.78s NA  
## decstr+02d35m38.84s NA  
## decstr+02d42m01.40s NA  
## decstr+02d42m10.02s NA  
## decstr+02d42m15.91s NA  
## decstr+02d45m36.39s NA  
## decstr+02d48m56.91s NA  
## decstr+02d49m15.57s NA  
## decstr+03d00m25.68s NA  
## decstr+03d05m45.28s NA  
## decstr+03d16m56.52s NA  
## decstr+03d17m38.22s NA  
## decstr+03d19m36.12s NA  
## decstr+03d20m13.79s NA  
## decstr+03d23m50.06s NA  
## decstr+03d28m27.17s NA  
## decstr+03d29m06.05s NA  
## decstr+03d42m38.04s NA  
## decstr+03d48m12.01s NA  
## decstr+03d51m59.41s NA  
## decstr+04d03m33.90s NA  
## decstr+04d15m53.76s NA  
## decstr+04d21m27.91s NA  
## decstr+04d22m50.60s NA  
## decstr+04d34m30.90s NA  
## decstr+04d34m38.04s NA  
## decstr+04d34m50.05s NA  
## decstr+04d37m56.54s NA  
## decstr+04d40m20.68s NA  
## decstr+04d47m13.30s NA  
## decstr+04d57m38.45s NA  
## decstr+05d09m47.38s NA  
## decstr+05d24m36.27s NA  
## decstr+05d27m45.03s NA  
## decstr+05d32m18.17s NA  
## decstr+05d34m25.29s NA  
## decstr+05d36m19.34s NA  
## decstr+05d42m02.97s NA  
## decstr+05d50m12.72s NA  
## decstr+05d54m10.32s NA  
## decstr+05d56m15.57s NA  
## decstr+05d56m50.51s NA  
## decstr+06d03m34.24s NA  
## decstr+06d05m49.50s NA  
## decstr+06d12m14.68s NA  
## decstr+06d12m57.97s NA  
## decstr+06d13m09.00s NA  
## decstr+06d20m49.31s NA  
## decstr+06d20m59.64s NA  
## decstr+06d24m25.71s NA  
## decstr+06d24m44.34s NA  
## decstr+06d25m45.59s NA  
## decstr+06d28m30.84s NA  
## decstr+06d28m46.45s NA  
## decstr+06d30m49.76s NA  
## decstr+06d33m49.62s NA  
## decstr+06d39m47.54s NA  
## decstr+06d46m55.11s NA  
## decstr+06d49m00.22s NA  
## decstr+06d50m09.36s NA  
## decstr+06d52m07.85s NA  
## decstr+06d56m44.46s NA  
## decstr+06d58m11.22s NA  
## decstr+07d03m22.61s NA  
## decstr+07d11m00.05s NA  
## decstr+07d11m00.15s NA  
## decstr+07d16m51.26s NA  
## decstr+07d21m09.78s NA  
## decstr+07d21m09.97s NA  
## decstr+07d26m06.28s NA  
## decstr+07d35m16.19s NA  
## decstr+07d50m42.18s NA  
## decstr+08d21m28.51s NA  
## decstr+08d27m39.98s NA  
## decstr+08d31m22.86s NA  
## decstr+08d38m34.39s NA  
## decstr+08d45m39.89s NA  
## decstr+09d10m44.65s NA  
## decstr+09d11m07.19s NA  
## decstr+09d44m43.57s NA  
## decstr+09d44m57.91s NA  
## decstr+09d59m52.73s NA  
## decstr+10d01m56.68s NA  
## decstr+10d02m17.16s NA  
## decstr+10d02m25.55s NA  
## decstr+10d07m43.85s NA  
## decstr+10d12m23.71s NA  
## decstr+10d14m47.68s NA  
## decstr+10d22m21.14s NA  
## decstr+10d27m46.58s NA  
## decstr+10d28m09.18s NA  
## decstr+10d35m49.91s NA  
## decstr+10d44m20.03s NA  
## decstr+10d47m40.94s NA  
## decstr+10d50m12.47s NA  
## decstr+10d50m20.90s NA  
## decstr+10d50m51.21s NA  
## decstr+10d56m01.04s NA  
## decstr+10d58m58.62s NA  
## decstr+11d03m22.23s NA  
## decstr+11d03m53.94s NA  
## decstr+11d12m41.65s NA  
## decstr+11d15m00.08s NA  
## decstr+11d15m05.93s NA  
## decstr+11d30m39.94s NA  
## decstr+11d33m45.49s NA  
## decstr+11d41m32.94s NA  
## decstr+11d41m42.25s NA  
## decstr+11d41m43.53s NA  
## decstr+11d45m13.38s NA  
## decstr+11d53m02.61s NA  
## decstr+11d55m08.66s NA  
## decstr+11d55m20.12s NA  
## decstr+11d58m25.26s NA  
## decstr+11d59m21.72s NA  
## decstr+12d08m21.65s NA  
## decstr+12d16m54.66s NA  
## decstr+12d21m07.24s NA  
## decstr+12d30m25.29s NA  
## decstr+12d37m15.38s NA  
## decstr+12d52m53.68s NA  
## decstr+12d57m35.89s NA  
## decstr+13d02m39.54s NA  
## decstr+13d13m59.00s NA  
## decstr+13d14m22.03s NA  
## decstr+13d21m58.72s NA  
## decstr+13d23m20.01s NA  
## decstr+13d31m09.07s NA  
## decstr+13d33m02.59s NA  
## decstr+13d46m34.71s NA  
## decstr+14d03m16.86s NA  
## decstr+14d07m26.47s NA  
## decstr+14d15m45.38s NA  
## decstr+14d22m04.33s NA  
## decstr+14d30m07.40s NA  
## decstr+14d36m58.75s NA  
## decstr+14d41m21.78s NA  
## decstr+15d14m51.73s NA  
## decstr+15d20m05.80s NA  
## decstr+15d23m28.35s NA  
## decstr+15d25m50.20s NA  
## decstr+15d32m48.30s NA  
## decstr+15d33m31.68s NA  
## decstr+15d39m21.23s NA  
## decstr+15d39m22.88s NA  
## decstr+15d40m50.17s NA  
## decstr+16d02m25.73s NA  
## decstr+16d25m10.26s NA  
## decstr+16d28m27.68s NA  
## decstr+16d29m39.39s NA  
## decstr+16d37m56.39s NA  
## decstr+16d45m43.73s NA  
## decstr+16d51m53.65s NA  
## decstr+16d52m03.70s NA  
## decstr+16d54m06.36s NA  
## decstr+16d54m45.24s NA  
## decstr+17d00m57.74s NA  
## decstr+17d05m08.59s NA  
## decstr+17d27m25.79s NA  
## decstr+17d27m37.92s NA  
## decstr+17d28m31.03s NA  
## decstr+17d33m58.57s NA  
## decstr+17d34m11.87s NA  
## decstr+17d34m45.58s NA  
## decstr+17d38m23.91s NA  
## decstr+17d47m35.71s NA  
## decstr+17d49m48.10s NA  
## decstr+17d53m41.93s NA  
## decstr+18d06m17.20s NA  
## decstr+18d11m08.62s NA  
## decstr+18d11m22.59s NA  
## decstr+18d14m06.94s NA  
## decstr+18d23m46.17s NA  
## decstr+18d27m53.82s NA  
## decstr+18d35m45.42s NA  
## decstr+18d38m44.71s NA  
## decstr+18d39m15.56s NA  
## decstr+18d43m47.83s NA  
## decstr+18d46m09.30s NA  
## decstr+18d53m03.27s NA  
## decstr+18d56m01.75s NA  
## decstr+18d57m12.09s NA  
## decstr+18d58m35.83s NA  
## decstr+19d01m12.57s NA  
## decstr+19d05m32.43s NA  
## decstr+19d07m11.88s NA  
## decstr+19d10m49.00s NA  
## decstr+19d16m37.05s NA  
## decstr+19d24m07.40s NA  
## decstr+19d33m30.26s NA  
## decstr+19d41m54.24s NA  
## decstr+19d46m25.39s NA  
## decstr+19d53m28.55s NA  
## decstr+19d56m13.20s NA  
## decstr+20d04m57.71s NA  
## decstr+20d06m21.63s NA  
## decstr+20d09m25.31s NA  
## decstr+20d13m36.54s NA  
## decstr+20d15m17.65s NA  
## decstr+20d17m32.33s NA  
## decstr+20d21m33.62s NA  
## decstr+20d21m52.59s NA  
## decstr+20d26m29.55s NA  
## decstr+20d26m54.21s NA  
## decstr+20d27m34.16s NA  
## decstr+20d29m29.49s NA  
## decstr+20d31m36.79s NA  
## decstr+20d35m56.47s NA  
## decstr+20d43m44.32s NA  
## decstr+20d46m08.74s NA  
## decstr+21d00m18.97s NA  
## decstr+21d05m49.67s NA  
## decstr+21d08m02.54s NA  
## decstr+21d14m23.72s NA  
## decstr+21d14m55.98s NA  
## decstr+21d16m52.78s NA  
## decstr+21d17m39.27s NA  
## decstr+21d17m54.69s NA  
## decstr+21d27m11.79s NA  
## decstr+21d32m53.52s NA  
## decstr+21d37m00.86s NA  
## decstr+21d53m40.87s NA  
## decstr+21d56m53.16s NA  
## decstr+22d09m09.41s NA  
## decstr+22d14m09.31s NA  
## decstr+22d17m57.66s NA  
## decstr+22d28m20.83s NA  
## decstr+22d42m35.19s NA  
## decstr+22d52m45.98s NA  
## decstr+22d52m57.24s NA  
## decstr+22d55m54.97s NA  
## decstr+23d03m20.47s NA  
## decstr+23d07m58.62s NA  
## decstr+23d22m29.57s NA  
## decstr+23d46m03.56s NA  
## decstr+23d56m17.59s NA  
## decstr+24d04m35.63s NA  
## decstr+24d07m38.09s NA  
## decstr+24d08m34.57s NA  
## decstr+24d12m17.00s NA  
## decstr+24d14m42.51s NA  
## decstr+24d20m10.03s NA  
## decstr+24d21m39.52s NA  
## decstr+24d24m05.96s NA  
## decstr+24d27m50.19s NA  
## decstr+24d38m52.84s NA  
## decstr+24d38m54.50s NA  
## decstr+24d53m21.40s NA  
## decstr+25d11m50.48s NA  
## decstr+25d24m48.83s NA  
## decstr+25d28m56.64s NA  
## decstr+25d34m23.29s NA  
## decstr+25d40m53.94s NA  
## decstr+25d42m38.15s NA  
## decstr+25d43m52.13s NA  
## decstr+25d44m31.10s NA  
## decstr+25d55m13.56s NA  
## decstr+26d00m24.17s NA  
## decstr+26d18m37.47s NA  
## decstr+26d19m39.65s NA  
## decstr+26d25m07.76s NA  
## decstr+26d25m35.78s NA  
## decstr+26d37m02.21s NA  
## decstr+26d41m33.63s NA  
## decstr+26d42m11.04s NA  
## decstr+26d44m34.46s NA  
## decstr+26d52m20.58s NA  
## decstr+26d52m39.42s NA  
## decstr+27d12m51.76s NA  
## decstr+27d15m07.86s NA  
## decstr+27d18m11.06s NA  
## decstr+27d21m47.28s NA  
## decstr+27d27m07.21s NA  
## decstr+27d28m13.49s NA  
## decstr+27d37m27.98s NA  
## decstr+28d05m59.92s NA  
## decstr+28d10m10.65s NA  
## decstr+28d18m23.60s NA  
## decstr+28d19m47.34s NA  
## decstr+28d22m57.77s NA  
## decstr+28d29m58.25s NA  
## decstr+28d33m57.66s NA  
## decstr+29d01m20.10s NA  
## decstr+29d03m58.35s NA  
## decstr+29d13m41.38s NA  
## decstr+29d15m53.71s NA  
## decstr+29d23m19.12s NA  
## decstr+29d34m21.61s NA  
## decstr+29d36m57.68s NA  
## decstr+29d40m20.16s NA  
## decstr+29d52m44.55s NA  
## decstr+29d53m40.35s NA  
## decstr+30d14m41.84s NA  
## decstr+30d17m11.75s NA  
## decstr+30d26m42.61s NA  
## decstr+30d29m17.48s NA  
## decstr+30d38m24.52s NA  
## decstr+30d40m24.17s NA  
## decstr+30d57m25.68s NA  
## decstr+30d57m27.53s NA  
## decstr+30d58m30.22s NA  
## decstr+31d09m21.28s NA  
## decstr+31d13m09.12s NA  
## decstr+31d27m45.90s NA  
## decstr+31d33m04.16s NA  
## decstr+31d33m14.33s NA  
## decstr+31d39m08.76s NA  
## decstr+31d39m39.67s NA  
## decstr+31d44m22.36s NA  
## decstr+31d47m15.07s NA  
## decstr+31d49m33.19s NA  
## decstr+31d51m37.58s NA  
## decstr+31d59m23.90s NA  
## decstr+32d05m02.56s NA  
## decstr+32d14m45.76s NA  
## decstr+32d18m59.24s NA  
## decstr+32d34m51.76s NA  
## decstr+32d48m38.52s NA  
## decstr+33d00m44.37s NA  
## decstr+33d03m24.08s NA  
## decstr+33d15m59.27s NA  
## decstr+33d18m00.67s NA  
## decstr+33d19m04.63s NA  
## decstr+33d21m17.74s NA  
## decstr+33d44m39.80s NA  
## decstr+33d50m06.08s NA  
## decstr+33d52m56.38s NA  
## decstr+33d54m17.39s NA  
## decstr+33d57m02.08s NA  
## decstr+34d08m03.02s NA  
## decstr+34d14m31.19s NA  
## decstr+34d25m08.36s NA  
## decstr+34d34m45.62s NA  
## decstr+34d36m02.51s NA  
## decstr+34d42m41.05s NA  
## decstr+34d43m42.25s NA  
## decstr+34d46m50.12s NA  
## decstr+34d54m52.80s NA  
## decstr+34d59m07.19s NA  
## decstr+35d24m29.21s NA  
## decstr+35d26m49.84s NA  
## decstr+35d27m16.58s NA  
## decstr+35d38m55.05s NA  
## decstr+35d39m21.17s NA  
## decstr+35d39m41.15s NA  
## decstr+36d12m46.64s NA  
## decstr+36d13m46.36s NA  
## decstr+36d17m46.66s NA  
## decstr+36d33m24.69s NA  
## decstr+36d33m47.27s NA  
## decstr+36d34m12.63s NA  
## decstr+36d34m38.44s NA  
## decstr+36d37m17.26s NA  
## decstr+36d37m57.13s NA  
## decstr+36d44m36.35s NA  
## decstr+36d47m13.11s NA  
## decstr+36d48m23.78s NA  
## decstr+36d48m55.78s NA  
## decstr+37d01m18.57s NA  
## decstr+37d03m33.33s NA  
## decstr+37d06m44.21s NA  
## decstr+37d08m26.14s NA  
## decstr+37d12m42.26s NA  
## decstr+37d13m16.34s NA  
## decstr+37d14m13.10s NA  
## decstr+37d15m09.57s NA  
## decstr+37d17m13.80s NA  
## decstr+37d17m20.76s NA  
## decstr+37d19m14.74s NA  
## decstr+37d21m18.57s NA  
## decstr+37d22m34.27s NA  
## decstr+37d22m34.54s NA  
## decstr+37d23m13.17s NA  
## decstr+37d24m40.84s NA  
## decstr+37d24m42.96s NA  
## decstr+37d31m44.28s NA  
## decstr+37d32m14.33s NA  
## decstr+37d32m46.78s NA  
## decstr+37d33m01.60s NA  
## decstr+37d34m04.06s NA  
## decstr+37d34m50.77s NA  
## decstr+37d36m33.26s NA  
## decstr+37d40m58.05s NA  
## decstr+37d41m19.72s NA  
## decstr+37d43m23.23s NA  
## decstr+37d44m57.94s NA  
## decstr+37d45m05.30s NA  
## decstr+37d45m32.43s NA  
## decstr+37d45m59.58s NA  
## decstr+37d46m11.54s NA  
## decstr+37d49m46.61s NA  
## decstr+37d50m06.20s NA  
## decstr+37d50m46.15s NA  
## decstr+37d51m05.96s NA  
## decstr+37d51m33.28s NA  
## decstr+37d51m36.60s NA  
## decstr+37d53m28.62s NA  
## decstr+37d54m08.52s NA  
## decstr+37d54m20.27s NA  
## decstr+37d56m04.45s NA  
## decstr+37d57m09.92s NA  
## decstr+37d57m20.42s NA  
## decstr+37d57m52.44s NA  
## decstr+37d58m01.01s NA  
## decstr+37d58m11.41s NA  
## decstr+37d58m16.95s NA  
## decstr+37d58m28.04s NA  
## decstr+37d59m49.45s NA  
## decstr+38d00m34.35s NA  
## decstr+38d00m50.59s NA  
## decstr+38d01m19.15s NA  
## decstr+38d02m08.90s NA  
## decstr+38d03m18.12s NA  
## decstr+38d03m27.19s NA  
## decstr+38d04m47.42s NA  
## decstr+38d05m17.15s NA  
## decstr+38d05m18.31s NA  
## decstr+38d06m52.74s NA  
## decstr+38d07m34.54s NA  
## decstr+38d07m38.85s NA  
## decstr+38d08m42.74s NA  
## decstr+38d11m03.07s NA  
## decstr+38d12m42.82s NA  
## decstr+38d12m59.62s NA  
## decstr+38d13m44.67s NA  
## decstr+38d13m59.12s NA  
## decstr+38d14m31.81s NA  
## decstr+38d15m05.91s NA  
## decstr+38d15m29.40s NA  
## decstr+38d15m44.05s NA  
## decstr+38d15m58.62s NA  
## decstr+38d16m01.19s NA  
## decstr+38d16m24.95s NA  
## decstr+38d17m40.95s NA  
## decstr+38d17m49.32s NA  
## decstr+38d18m34.64s NA  
## decstr+38d19m06.61s NA  
## decstr+38d20m24.04s NA  
## decstr+38d20m37.42s NA  
## decstr+38d20m44.00s NA  
## decstr+38d20m51.13s NA  
## decstr+38d21m19.70s NA  
## decstr+38d21m29.41s NA  
## decstr+38d21m47.38s NA  
## decstr+38d22m08.90s NA  
## decstr+38d22m29.54s NA  
## decstr+38d23m02.73s NA  
## decstr+38d23m36.38s NA  
## decstr+38d23m51.86s NA  
## decstr+38d23m58.43s NA  
## decstr+38d24m02.95s NA  
## decstr+38d24m18.87s NA  
## decstr+38d24m37.15s NA  
## decstr+38d25m22.51s NA  
## decstr+38d27m25.05s NA  
## decstr+38d27m29.55s NA  
## decstr+38d28m22.38s NA  
## decstr+38d28m37.98s NA  
## decstr+38d29m40.77s NA  
## decstr+38d29m42.87s NA  
## decstr+38d29m53.49s NA  
## decstr+38d30m53.65s NA  
## decstr+38d31m14.55s NA  
## decstr+38d31m19.14s NA  
## decstr+38d31m24.86s NA  
## decstr+38d32m23.48s NA  
## decstr+38d32m44.06s NA  
## decstr+38d32m54.77s NA  
## decstr+38d33m54.71s NA  
## decstr+38d34m22.48s NA  
## decstr+38d35m29.75s NA  
## decstr+38d36m40.00s NA  
## decstr+38d37m21.58s NA  
## decstr+38d38m13.34s NA  
## decstr+38d38m20.59s NA  
## decstr+38d38m40.02s NA  
## decstr+38d38m59.04s NA  
## decstr+38d39m15.13s NA  
## decstr+38d39m15.71s NA  
## decstr+38d39m21.40s NA  
## decstr+38d39m27.16s NA  
## decstr+38d40m20.32s NA  
## decstr+38d40m29.71s NA  
## decstr+38d41m27.62s NA  
## decstr+38d42m08.17s NA  
## decstr+38d42m36.80s NA  
## decstr+38d42m50.90s NA  
## decstr+38d43m41.78s NA  
## decstr+38d44m08.43s NA  
## decstr+38d44m08.65s NA  
## decstr+38d44m18.84s NA  
## decstr+38d44m25.08s NA  
## decstr+38d44m36.60s NA  
## decstr+38d45m14.70s NA  
## decstr+38d46m27.94s NA  
## decstr+38d46m46.38s NA  
## decstr+38d47m15.92s NA  
## decstr+38d47m25.67s NA  
## decstr+38d47m43.78s NA  
## decstr+38d48m21.02s NA  
## decstr+38d49m14.52s NA  
## decstr+38d51m23.73s NA  
## decstr+38d51m45.13s NA  
## decstr+38d51m47.84s NA  
## decstr+38d51m59.26s NA  
## decstr+38d52m19.96s NA  
## decstr+38d52m29.69s NA  
## decstr+38d52m32.18s NA  
## decstr+38d52m53.66s NA  
## decstr+38d53m31.02s NA  
## decstr+38d53m31.90s NA  
## decstr+38d53m40.22s NA  
## decstr+38d54m53.81s NA  
## decstr+38d55m20.52s NA  
## decstr+38d55m20.84s NA  
## decstr+38d55m40.61s NA  
## decstr+38d55m56.85s NA  
## decstr+38d56m12.32s NA  
## decstr+38d56m21.20s NA  
## decstr+38d56m33.83s NA  
## decstr+38d56m44.13s NA  
## decstr+38d56m44.96s NA  
## decstr+38d56m47.90s NA  
## decstr+38d56m50.15s NA  
## decstr+38d56m50.43s NA  
## decstr+38d57m36.28s NA  
## decstr+38d57m45.83s NA  
## decstr+38d58m00.89s NA  
## decstr+38d58m05.21s NA  
## decstr+38d59m48.81s NA  
## decstr+39d01m19.84s NA  
## decstr+39d01m45.94s NA  
## decstr+39d01m55.38s NA  
## decstr+39d02m10.72s NA  
## decstr+39d02m52.93s NA  
## decstr+39d03m06.44s NA  
## decstr+39d03m38.81s NA  
## decstr+39d04m25.43s NA  
## decstr+39d04m38.13s NA  
## decstr+39d05m09.51s NA  
## decstr+39d05m13.80s NA  
## decstr+39d05m40.09s NA  
## decstr+39d05m45.70s NA  
## decstr+39d05m53.23s NA  
## decstr+39d06m54.73s NA  
## decstr+39d07m15.38s NA  
## decstr+39d07m36.74s NA  
## decstr+39d07m38.52s NA  
## decstr+39d07m51.59s NA  
## decstr+39d08m30.03s NA  
## decstr+39d08m40.95s NA  
## decstr+39d09m11.85s NA  
## decstr+39d09m41.81s NA  
## decstr+39d10m23.75s NA  
## decstr+39d10m38.25s NA  
## decstr+39d12m05.05s NA  
## decstr+39d12m43.49s NA  
## decstr+39d12m44.78s NA  
## decstr+39d13m12.63s NA  
## decstr+39d13m14.19s NA  
## decstr+39d13m38.25s NA  
## decstr+39d13m49.90s NA  
## decstr+39d14m09.01s NA  
## decstr+39d14m25.83s NA  
## decstr+39d14m39.02s NA  
## decstr+39d14m57.02s NA  
## decstr+39d14m59.46s NA  
## decstr+39d15m10.15s NA  
## decstr+39d15m22.06s NA  
## decstr+39d15m27.89s NA  
## decstr+39d16m08.19s NA  
## decstr+39d16m13.29s NA  
## decstr+39d16m41.65s NA  
## decstr+39d16m48.25s NA  
## decstr+39d17m06.96s NA  
## decstr+39d17m22.70s NA  
## decstr+39d18m26.45s NA  
## decstr+39d18m30.04s NA  
## decstr+39d18m51.32s NA  
## decstr+39d18m57.36s NA  
## decstr+39d19m11.71s NA  
## decstr+39d19m57.71s NA  
## decstr+39d20m19.73s NA  
## decstr+39d20m20.75s NA  
## decstr+39d22m13.03s NA  
## decstr+39d22m14.90s NA  
## decstr+39d22m35.26s NA  
## decstr+39d22m46.09s NA  
## decstr+39d22m59.53s NA  
## decstr+39d23m01.66s NA  
## decstr+39d23m28.82s NA  
## decstr+39d23m47.80s NA  
## decstr+39d23m54.27s NA  
## decstr+39d24m12.26s NA  
## decstr+39d24m21.51s NA  
## decstr+39d25m03.25s NA  
## decstr+39d26m48.41s NA  
## decstr+39d26m48.58s NA  
## decstr+39d27m28.81s NA  
## decstr+39d27m38.17s NA  
## decstr+39d29m16.45s NA  
## decstr+39d31m11.41s NA  
## decstr+39d31m18.11s NA  
## decstr+39d31m22.34s NA  
## decstr+39d31m24.29s NA  
## decstr+39d31m37.29s NA  
## decstr+39d32m22.90s NA  
## decstr+39d33m00.41s NA  
## decstr+39d33m21.84s NA  
## decstr+39d33m49.31s NA  
## decstr+39d34m22.25s NA  
## decstr+39d35m41.11s NA  
## decstr+39d35m54.73s NA  
## decstr+39d36m13.04s NA  
## decstr+39d37m08.30s NA  
## decstr+39d37m51.31s NA  
## decstr+39d38m15.09s NA  
## decstr+39d38m21.41s NA  
## decstr+39d39m31.06s NA  
## decstr+39d39m56.89s NA  
## decstr+39d40m40.87s NA  
## decstr+39d40m59.26s NA  
## decstr+39d42m21.96s NA  
## decstr+39d42m29.54s NA  
## decstr+39d43m21.73s NA  
## decstr+39d43m55.19s NA  
## decstr+39d44m40.76s NA  
## decstr+39d46m04.29s NA  
## decstr+39d46m14.32s NA  
## decstr+39d46m17.31s NA  
## decstr+39d46m53.53s NA  
## decstr+39d47m01.85s NA  
## decstr+39d47m07.84s NA  
## decstr+39d49m00.87s NA  
## decstr+39d49m26.38s NA  
## decstr+39d49m30.16s NA  
## decstr+39d50m52.37s NA  
## decstr+39d51m17.29s NA  
## decstr+39d52m21.02s NA  
## decstr+39d52m38.04s NA  
## decstr+39d52m59.09s NA  
## decstr+39d53m11.42s NA  
## decstr+39d53m53.49s NA  
## decstr+39d54m28.42s NA  
## decstr+39d54m42.80s NA  
## decstr+39d54m43.87s NA  
## decstr+39d54m50.82s NA  
## decstr+39d55m01.24s NA  
## decstr+39d55m16.82s NA  
## decstr+39d56m02.00s NA  
## decstr+39d56m20.10s NA  
## decstr+39d56m32.63s NA  
## decstr+39d56m42.27s NA  
## decstr+39d56m56.49s NA  
## decstr+39d57m10.30s NA  
## decstr+39d57m24.81s NA  
## decstr+39d58m43.48s NA  
## decstr+39d59m52.54s NA  
## decstr+40d00m03.88s NA  
## decstr+40d00m30.55s NA  
## decstr+40d01m07.29s NA  
## decstr+40d01m39.64s NA  
## decstr+40d01m59.63s NA  
## decstr+40d03m18.49s NA  
## decstr+40d03m52.15s NA  
## decstr+40d05m12.91s NA  
## decstr+40d05m51.76s NA  
## decstr+40d07m31.53s NA  
## decstr+40d07m57.07s NA  
## decstr+40d08m13.08s NA  
## decstr+40d08m18.88s NA  
## decstr+40d08m32.14s NA  
## decstr+40d08m32.91s NA  
## decstr+40d08m34.03s NA  
## decstr+40d08m36.05s NA  
## decstr+40d08m39.83s NA  
## decstr+40d09m13.33s NA  
## decstr+40d09m46.22s NA  
## decstr+40d09m50.92s NA  
## decstr+40d11m03.45s NA  
## decstr+40d11m40.68s NA  
## decstr+40d12m41.12s NA  
## decstr+40d12m47.48s NA  
## decstr+40d13m15.44s NA  
## decstr+40d13m41.42s NA  
## decstr+40d13m45.60s NA  
## decstr+40d14m06.16s NA  
## decstr+40d14m10.50s NA  
## decstr+40d14m27.68s NA  
## decstr+40d14m42.72s NA  
## decstr+40d14m58.73s NA  
## decstr+40d16m11.34s NA  
## decstr+40d16m42.80s NA  
## decstr+40d16m59.71s NA  
## decstr+40d17m05.67s NA  
## decstr+40d17m15.78s NA  
## decstr+40d17m30.80s NA  
## decstr+40d17m35.06s NA  
## decstr+40d18m01.99s NA  
## decstr+40d18m40.33s NA  
## decstr+40d20m35.40s NA  
## decstr+40d20m37.32s NA  
## decstr+40d20m39.10s NA  
## decstr+40d20m46.52s NA  
## decstr+40d21m08.70s NA  
## decstr+40d21m18.81s NA  
## decstr+40d21m29.58s NA  
## decstr+40d21m46.39s NA  
## decstr+40d21m57.27s NA  
## decstr+40d21m57.69s NA  
## decstr+40d21m59.03s NA  
## decstr+40d22m30.11s NA  
## decstr+40d22m51.07s NA  
## decstr+40d23m16.60s NA  
## decstr+40d23m20.44s NA  
## decstr+40d23m51.75s NA  
## decstr+40d24m35.57s NA  
## decstr+40d25m03.51s NA  
## decstr+40d25m13.64s NA  
## decstr+40d25m18.34s NA  
## decstr+40d25m39.14s NA  
## decstr+40d25m49.78s NA  
## decstr+40d26m22.47s NA  
## decstr+40d28m39.91s NA  
## decstr+40d28m48.19s NA  
## decstr+40d29m26.25s NA  
## decstr+40d29m45.90s NA  
## decstr+40d31m15.23s NA  
## decstr+40d31m30.73s NA  
## decstr+40d31m50.63s NA  
## decstr+40d32m49.89s NA  
## decstr+40d32m54.20s NA  
## decstr+40d32m54.58s NA  
## decstr+40d33m10.10s NA  
## decstr+40d33m23.69s NA  
## decstr+40d33m26.76s NA  
## decstr+40d33m27.15s NA  
## decstr+40d33m44.99s NA  
## decstr+40d34m03.71s NA  
## decstr+40d34m07.95s NA  
## decstr+40d34m17.80s NA  
## decstr+40d34m20.54s NA  
## decstr+40d34m29.65s NA  
## decstr+40d34m38.32s NA  
## decstr+40d35m26.53s NA  
## decstr+40d35m30.52s NA  
## decstr+40d36m18.71s NA  
## decstr+40d36m57.80s NA  
## decstr+40d37m06.41s NA  
## decstr+40d38m16.13s NA  
## decstr+40d38m53.47s NA  
## decstr+40d39m04.63s NA  
## decstr+40d39m22.23s NA  
## decstr+40d39m47.99s NA  
## decstr+40d39m51.04s NA  
## decstr+40d40m04.45s NA  
## decstr+40d40m09.89s NA  
## decstr+40d40m14.76s NA  
## decstr+40d40m50.67s NA  
## decstr+40d40m53.85s NA  
## decstr+40d41m06.78s NA  
## decstr+40d41m31.47s NA  
## decstr+40d41m42.15s NA  
## decstr+40d41m47.76s NA  
## decstr+40d42m01.54s NA  
## decstr+40d42m09.85s NA  
## decstr+40d42m31.45s NA  
## decstr+40d43m11.39s NA  
## decstr+40d43m16.34s NA  
## decstr+40d43m20.02s NA  
## decstr+40d43m54.95s NA  
## decstr+40d44m24.15s NA  
## decstr+40d45m00.76s NA  
## decstr+40d45m02.49s NA  
## decstr+40d45m30.31s NA  
## decstr+40d45m50.85s NA  
## decstr+40d46m36.96s NA  
## decstr+40d46m42.74s NA  
## decstr+40d47m03.91s NA  
## decstr+40d47m34.04s NA  
## decstr+40d48m02.53s NA  
## decstr+40d48m24.44s NA  
## decstr+40d48m40.99s NA  
## decstr+40d49m20.57s NA  
## decstr+40d49m59.22s NA  
## decstr+40d50m19.61s NA  
## decstr+40d50m37.87s NA  
## decstr+40d51m01.78s NA  
## decstr+40d51m10.55s NA  
## decstr+40d51m24.88s NA  
## decstr+40d52m02.02s NA  
## decstr+40d52m07.44s NA  
## decstr+40d52m37.66s NA  
## decstr+40d53m15.65s NA  
## decstr+40d53m55.75s NA  
## decstr+40d53m56.58s NA  
## decstr+40d54m48.75s NA  
## decstr+40d54m58.46s NA  
## decstr+40d55m09.78s NA  
## decstr+40d55m59.42s NA  
## decstr+40d56m05.28s NA  
## decstr+40d56m10.29s NA  
## decstr+40d56m32.54s NA  
## decstr+40d56m56.18s NA  
## decstr+40d57m14.14s NA  
## decstr+40d58m38.12s NA  
## decstr+40d58m44.59s NA  
## decstr+40d58m47.53s NA  
## decstr+40d59m18.98s NA  
## decstr+40d59m25.47s NA  
## decstr+40d59m40.80s NA  
## decstr+41d00m39.67s NA  
## decstr+41d00m48.36s NA  
## decstr+41d01m18.61s NA  
## decstr+41d01m23.50s NA  
## decstr+41d01m40.87s NA  
## decstr+41d01m47.34s NA  
## decstr+41d02m08.70s NA  
## decstr+41d02m10.77s NA  
## decstr+41d02m16.85s NA  
## decstr+41d02m23.72s NA  
## decstr+41d02m25.83s NA  
## decstr+41d02m26.69s NA  
## decstr+41d02m28.51s NA  
## decstr+41d02m52.66s NA  
## decstr+41d03m25.32s NA  
## decstr+41d03m39.52s NA  
## decstr+41d03m49.84s NA  
## decstr+41d03m51.02s NA  
## decstr+41d04m10.23s NA  
## decstr+41d05m09.14s NA  
## decstr+41d05m23.04s NA  
## decstr+41d05m31.48s NA  
## decstr+41d05m50.34s NA  
## decstr+41d06m36.24s NA  
## decstr+41d06m41.02s NA  
## decstr+41d07m00.01s NA  
## decstr+41d07m49.02s NA  
## decstr+41d08m07.46s NA  
## decstr+41d08m15.23s NA  
## decstr+41d08m37.67s NA  
## decstr+41d09m02.85s NA  
## decstr+41d09m03.99s NA  
## decstr+41d09m04.28s NA  
## decstr+41d09m29.10s NA  
## decstr+41d10m58.13s NA  
## decstr+41d11m44.62s NA  
## decstr+41d11m46.84s NA  
## decstr+41d11m53.31s NA  
## decstr+41d12m03.94s NA  
## decstr+41d12m06.32s NA  
## decstr+41d12m13.03s NA  
## decstr+41d12m31.81s NA  
## decstr+41d13m17.74s NA  
## decstr+41d13m19.21s NA  
## decstr+41d13m28.06s NA  
## decstr+41d13m35.19s NA  
## decstr+41d13m44.17s NA  
## decstr+41d14m14.97s NA  
## decstr+41d14m27.98s NA  
## decstr+41d14m41.07s NA  
## decstr+41d15m20.62s NA  
## decstr+41d15m40.31s NA  
## decstr+41d16m22.08s NA  
## decstr+41d16m38.52s NA  
## decstr+41d16m45.01s NA  
## decstr+41d16m56.80s NA  
## decstr+41d17m42.74s NA  
## decstr+41d17m52.27s NA  
## decstr+41d17m56.56s NA  
## decstr+41d18m00.16s NA  
## decstr+41d18m06.29s NA  
## decstr+41d18m19.50s NA  
## decstr+41d18m20.06s NA  
## decstr+41d18m33.58s NA  
## decstr+41d19m04.67s NA  
## decstr+41d19m18.48s NA  
## decstr+41d19m52.91s NA  
## decstr+41d20m08.05s NA  
## decstr+41d20m08.43s NA  
## decstr+41d20m46.99s NA  
## decstr+41d21m19.83s NA  
## decstr+41d21m48.70s NA  
## decstr+41d21m54.06s NA  
## decstr+41d22m25.53s NA  
## decstr+41d22m37.80s NA  
## decstr+41d22m53.16s NA  
## decstr+41d23m05.08s NA  
## decstr+41d23m11.50s NA  
## decstr+41d23m17.05s NA  
## decstr+41d23m33.59s NA  
## decstr+41d23m37.81s NA  
## decstr+41d24m13.73s NA  
## decstr+41d24m28.05s NA  
## decstr+41d24m36.76s NA  
## decstr+41d25m00.62s NA  
## decstr+41d25m12.75s NA  
## decstr+41d25m29.35s NA  
## decstr+41d26m09.47s NA  
## decstr+41d26m27.68s NA  
## decstr+41d27m06.23s NA  
## decstr+41d27m08.53s NA  
## decstr+41d27m52.42s NA  
## decstr+41d28m17.59s NA  
## decstr+41d30m54.18s NA  
## decstr+41d31m23.97s NA  
## decstr+41d31m59.73s NA  
## decstr+41d32m00.92s NA  
## decstr+41d32m05.93s NA  
## decstr+41d32m28.32s NA  
## decstr+41d32m33.99s NA  
## decstr+41d32m50.92s NA  
## decstr+41d33m17.45s NA  
## decstr+41d33m29.09s NA  
## decstr+41d33m46.88s NA  
## decstr+41d33m56.80s NA  
## decstr+41d34m28.32s NA  
## decstr+41d34m30.66s NA  
## decstr+41d34m36.22s NA  
## decstr+41d35m20.10s NA  
## decstr+41d35m25.49s NA  
## decstr+41d36m10.46s NA  
## decstr+41d36m21.17s NA  
## decstr+41d36m54.39s NA  
## decstr+41d36m54.94s NA  
## decstr+41d37m01.95s NA  
## decstr+41d37m03.87s NA  
## decstr+41d37m46.76s NA  
## decstr+41d37m54.78s NA  
## decstr+41d37m57.58s NA  
## decstr+41d37m59.93s NA  
## decstr+41d38m08.16s NA  
## decstr+41d38m34.52s NA  
## decstr+41d38m40.72s NA  
## decstr+41d39m01.83s NA  
## decstr+41d39m42.21s NA  
## decstr+41d39m50.43s NA  
## decstr+41d40m42.92s NA  
## decstr+41d41m24.41s NA  
## decstr+41d41m56.53s NA  
## decstr+41d42m11.94s NA  
## decstr+41d42m23.18s NA  
## decstr+41d42m41.23s NA  
## decstr+41d43m37.00s NA  
## decstr+41d43m44.95s NA  
## decstr+41d43m48.55s NA  
## decstr+41d44m29.67s NA  
## decstr+41d44m33.72s NA  
## decstr+41d44m46.26s NA  
## decstr+41d45m20.14s NA  
## decstr+41d45m29.07s NA  
## decstr+41d45m29.97s NA  
## decstr+41d45m42.64s NA  
## decstr+41d46m33.53s NA  
## decstr+41d46m42.52s NA  
## decstr+41d46m53.92s NA  
## decstr+41d46m56.13s NA  
## decstr+41d47m13.07s NA  
## decstr+41d47m47.88s NA  
## decstr+41d48m30.30s NA  
## decstr+41d48m43.28s NA  
## decstr+41d49m18.62s NA  
## decstr+41d49m47.98s NA  
## decstr+41d50m01.83s NA  
## decstr+41d50m13.54s NA  
## decstr+41d51m39.37s NA  
## decstr+41d52m00.46s NA  
## decstr+41d52m18.51s NA  
## decstr+41d52m29.90s NA  
## decstr+41d52m40.59s NA  
## decstr+41d53m02.74s NA  
## decstr+41d53m04.86s NA  
## decstr+41d53m21.47s NA  
## decstr+41d53m28.03s NA  
## decstr+41d53m28.43s NA  
## decstr+41d53m34.14s NA  
## decstr+41d54m02.29s NA  
## decstr+41d54m32.79s NA  
## decstr+41d57m03.85s NA  
## decstr+41d57m08.47s NA  
## decstr+41d57m10.75s NA  
## decstr+41d58m00.98s NA  
## decstr+41d58m43.09s NA  
## decstr+41d59m20.25s NA  
## decstr+41d59m24.50s NA  
## decstr+41d59m37.93s NA  
## decstr+42d00m05.14s NA  
## decstr+42d00m09.08s NA  
## decstr+42d00m24.86s NA  
## decstr+42d00m53.21s NA  
## decstr+42d01m05.14s NA  
## decstr+42d01m24.11s NA  
## decstr+42d01m37.93s NA  
## decstr+42d02m02.26s NA  
## decstr+42d02m09.52s NA  
## decstr+42d02m25.81s NA  
## decstr+42d02m45.58s NA  
## decstr+42d03m40.84s NA  
## decstr+42d03m44.83s NA  
## decstr+42d04m13.21s NA  
## decstr+42d04m21.34s NA  
## decstr+42d04m32.17s NA  
## decstr+42d04m44.84s NA  
## decstr+42d05m07.12s NA  
## decstr+42d05m45.71s NA  
## decstr+42d06m57.52s NA  
## decstr+42d06m59.29s NA  
## decstr+42d07m54.26s NA  
## decstr+42d08m30.71s NA  
## decstr+42d08m32.22s NA  
## decstr+42d09m02.86s NA  
## decstr+42d09m56.56s NA  
## decstr+42d09m57.80s NA  
## decstr+42d09m59.44s NA  
## decstr+42d10m35.28s NA  
## decstr+42d10m49.70s NA  
## decstr+42d11m30.64s NA  
## decstr+42d11m41.36s NA  
## decstr+42d11m46.86s NA  
## decstr+42d11m52.35s NA  
## decstr+42d12m45.06s NA  
## decstr+42d12m47.41s NA  
## decstr+42d12m52.48s NA  
## decstr+42d13m19.56s NA  
## decstr+42d13m38.63s NA  
## decstr+42d13m59.80s NA  
## decstr+42d14m13.30s NA  
## decstr+42d14m14.01s NA  
## decstr+42d14m50.53s NA  
## decstr+42d14m51.33s NA  
## decstr+42d14m53.06s NA  
## decstr+42d15m09.51s NA  
## decstr+42d15m40.99s NA  
## decstr+42d15m54.17s NA  
## decstr+42d16m04.24s NA  
## decstr+42d17m11.59s NA  
## decstr+42d17m27.35s NA  
## decstr+42d17m56.01s NA  
## decstr+42d18m05.11s NA  
## decstr+42d19m12.21s NA  
## decstr+42d20m18.88s NA  
## decstr+42d20m29.43s NA  
## decstr+42d20m33.29s NA  
## decstr+42d21m00.55s NA  
## decstr+42d21m16.39s NA  
## decstr+42d21m20.08s NA  
## decstr+42d22m13.47s NA  
## decstr+42d22m42.37s NA  
## decstr+42d22m47.25s NA  
## decstr+42d22m49.11s NA  
## decstr+42d23m48.94s NA  
## decstr+42d24m23.37s NA  
## decstr+42d24m49.03s NA  
## decstr+42d25m20.31s NA  
## decstr+42d25m27.42s NA  
## decstr+42d25m58.64s NA  
## decstr+42d26m10.85s NA  
## decstr+42d26m14.16s NA  
## decstr+42d26m25.19s NA  
## decstr+42d26m25.38s NA  
## decstr+42d27m01.47s NA  
## decstr+42d27m03.95s NA  
## decstr+42d27m17.89s NA  
## decstr+42d27m34.65s NA  
## decstr+42d27m35.18s NA  
## decstr+42d27m44.87s NA  
## decstr+42d27m47.15s NA  
## decstr+42d27m49.73s NA  
## decstr+42d27m57.55s NA  
## decstr+42d28m16.42s NA  
## decstr+42d28m22.07s NA  
## decstr+42d28m31.15s NA  
## decstr+42d28m41.18s NA  
## decstr+42d28m51.64s NA  
## decstr+42d29m53.33s NA  
## decstr+42d30m58.30s NA  
## decstr+42d31m40.59s NA  
## decstr+42d32m05.89s NA  
## decstr+42d32m29.07s NA  
## decstr+42d32m33.63s NA  
## decstr+42d32m45.15s NA  
## decstr+42d33m18.81s NA  
## decstr+42d33m34.81s NA  
## decstr+42d34m34.43s NA  
## decstr+42d35m26.68s NA  
## decstr+42d35m47.02s NA  
## decstr+42d35m55.67s NA  
## decstr+42d36m15.05s NA  
## decstr+42d36m20.39s NA  
## decstr+42d36m34.04s NA  
## decstr+42d37m29.81s NA  
## decstr+42d37m34.01s NA  
## decstr+42d37m34.47s NA  
## decstr+42d38m09.79s NA  
## decstr+42d38m26.62s NA  
## decstr+42d38m53.75s NA  
## decstr+42d39m06.32s NA  
## decstr+42d39m09.63s NA  
## decstr+42d39m16.07s NA  
## decstr+42d39m21.81s NA  
## decstr+42d39m28.04s NA  
## decstr+42d39m31.80s NA  
## decstr+42d39m48.17s NA  
## decstr+42d39m57.00s NA  
## decstr+42d40m07.15s NA  
## decstr+42d40m53.45s NA  
## decstr+42d41m08.42s NA  
## decstr+42d41m46.07s NA  
## decstr+42d42m30.82s NA  
## decstr+42d43m14.10s NA  
## decstr+42d43m35.34s NA  
## decstr+42d43m39.85s NA  
## decstr+42d43m40.80s NA  
## decstr+42d44m34.59s NA  
## decstr+42d45m05.71s NA  
## decstr+42d45m24.59s NA  
## decstr+42d45m51.64s NA  
## decstr+42d46m05.84s NA  
## decstr+42d46m31.99s NA  
## decstr+42d46m40.14s NA  
## decstr+42d46m46.73s NA  
## decstr+42d46m55.07s NA  
## decstr+42d48m23.13s NA  
## decstr+42d48m24.16s NA  
## decstr+42d48m34.24s NA  
## decstr+42d48m42.27s NA  
## decstr+42d48m49.74s NA  
## decstr+42d49m20.49s NA  
## decstr+42d49m29.38s NA  
## decstr+42d49m32.01s NA  
## decstr+42d49m44.96s NA  
## decstr+42d50m23.34s NA  
## decstr+42d50m43.23s NA  
## decstr+42d51m17.61s NA  
## decstr+42d52m00.09s NA  
## decstr+42d52m02.97s NA  
## decstr+42d52m09.39s NA  
## decstr+42d52m50.80s NA  
## decstr+42d52m57.00s NA  
## decstr+42d52m58.27s NA  
## decstr+42d53m47.20s NA  
## decstr+42d53m53.62s NA  
## decstr+42d54m31.39s NA  
## decstr+42d54m34.06s NA  
## decstr+42d54m46.57s NA  
## decstr+42d55m43.90s NA  
## decstr+42d56m06.72s NA  
## decstr+42d56m36.14s NA  
## decstr+42d57m26.75s NA  
## decstr+42d57m50.00s NA  
## decstr+42d57m58.17s NA  
## decstr+42d58m39.86s NA  
## decstr+42d58m52.60s NA  
## decstr+43d00m32.04s NA  
## decstr+43d00m34.15s NA  
## decstr+43d00m44.77s NA  
## decstr+43d00m51.48s NA  
## decstr+43d01m33.80s NA  
## decstr+43d01m47.20s NA  
## decstr+43d02m13.34s NA  
## decstr+43d02m21.10s NA  
## decstr+43d02m21.76s NA  
## decstr+43d02m36.09s NA  
## decstr+43d02m39.85s NA  
## decstr+43d02m43.51s NA  
## decstr+43d03m00.14s NA  
## decstr+43d03m22.31s NA  
## decstr+43d04m23.62s NA  
## decstr+43d04m25.24s NA  
## decstr+43d04m28.62s NA  
## decstr+43d04m59.59s NA  
## decstr+43d05m01.91s NA  
## decstr+43d05m07.47s NA  
## decstr+43d07m18.32s NA  
## decstr+43d07m28.47s NA  
## decstr+43d08m29.85s NA  
## decstr+43d08m30.59s NA  
## decstr+43d08m52.98s NA  
## decstr+43d09m11.44s NA  
## decstr+43d09m21.58s NA  
## decstr+43d09m45.12s NA  
## decstr+43d10m06.62s NA  
## decstr+43d10m47.18s NA  
## decstr+43d11m19.68s NA  
## decstr+43d11m24.43s NA  
## decstr+43d11m50.12s NA  
## decstr+43d11m54.16s NA  
## decstr+43d12m33.64s NA  
## decstr+43d12m34.93s NA  
## decstr+43d12m57.64s NA  
## decstr+43d13m39.96s NA  
## decstr+43d13m57.72s NA  
## decstr+43d14m37.97s NA  
## decstr+43d14m38.71s NA  
## decstr+43d14m56.37s NA  
## decstr+43d15m38.71s NA  
## decstr+43d16m19.28s NA  
## decstr+43d16m21.88s NA  
## decstr+43d16m27.81s NA  
## decstr+43d16m47.52s NA  
## decstr+43d17m35.03s NA  
## decstr+43d19m13.83s NA  
## decstr+43d19m21.36s NA  
## decstr+43d19m58.84s NA  
## decstr+43d19m59.03s NA  
## decstr+43d20m08.20s NA  
## decstr+43d20m46.84s NA  
## decstr+43d21m16.52s NA  
## decstr+43d21m16.60s NA  
## decstr+43d21m48.51s NA  
## decstr+43d21m49.89s NA  
## decstr+43d21m50.67s NA  
## decstr+43d22m05.27s NA  
## decstr+43d22m05.50s NA  
## decstr+43d22m19.05s NA  
## decstr+43d22m42.20s NA  
## decstr+43d22m45.71s NA  
## decstr+43d23m01.40s NA  
## decstr+43d24m01.63s NA  
## decstr+43d24m11.59s NA  
## decstr+43d24m37.32s NA  
## decstr+43d24m41.60s NA  
## decstr+43d25m15.35s NA  
## decstr+43d25m31.57s NA  
## decstr+43d25m36.64s NA  
## decstr+43d25m57.14s NA  
## decstr+43d26m09.13s NA  
## decstr+43d26m27.79s NA  
## decstr+43d27m40.19s NA  
## decstr+43d28m16.96s NA  
## decstr+43d28m21.87s NA  
## decstr+43d29m35.20s NA  
## decstr+43d29m35.92s NA  
## decstr+43d29m51.31s NA  
## decstr+43d29m54.50s NA  
## decstr+43d29m59.23s NA  
## decstr+43d30m12.66s NA  
## decstr+43d30m53.66s NA  
## decstr+43d31m32.05s NA  
## decstr+43d31m38.21s NA  
## decstr+43d32m12.42s NA  
## decstr+43d32m15.23s NA  
## decstr+43d32m18.76s NA  
## decstr+43d33m20.89s NA  
## decstr+43d33m59.27s NA  
## decstr+43d34m52.89s NA  
## decstr+43d35m42.73s NA  
## decstr+43d36m20.20s NA  
## decstr+43d36m58.02s NA  
## decstr+43d37m45.28s NA  
## decstr+43d37m52.50s NA  
## decstr+43d38m37.64s NA  
## decstr+43d39m24.13s NA  
## decstr+43d39m30.98s NA  
## decstr+43d39m56.04s NA  
## decstr+43d40m14.60s NA  
## decstr+43d40m22.02s NA  
## decstr+43d40m51.46s NA  
## decstr+43d41m31.49s NA  
## decstr+43d42m10.94s NA  
## decstr+43d42m17.42s NA  
## decstr+43d42m39.80s NA  
## decstr+43d43m26.29s NA  
## decstr+43d43m55.42s NA  
## decstr+43d44m03.94s NA  
## decstr+43d44m19.68s NA  
## decstr+43d45m18.94s NA  
## decstr+43d45m48.50s NA  
## decstr+43d46m19.94s NA  
## decstr+43d46m27.58s NA  
## decstr+43d46m46.55s NA  
## decstr+43d47m18.13s NA  
## decstr+43d47m43.84s NA  
## decstr+43d48m10.06s NA  
## decstr+43d48m27.61s NA  
## decstr+43d48m51.41s NA  
## decstr+43d48m51.87s NA  
## decstr+43d48m58.90s NA  
## decstr+43d49m16.93s NA  
## decstr+43d49m22.09s NA  
## decstr+43d49m28.00s NA  
## decstr+43d49m31.61s NA  
## decstr+43d49m51.70s NA  
## decstr+43d49m55.22s NA  
## decstr+43d50m08.68s NA  
## decstr+43d50m28.30s NA  
## decstr+43d51m07.16s NA  
## decstr+43d51m11.56s NA  
## decstr+43d51m34.62s NA  
## decstr+43d51m36.69s NA  
## decstr+43d52m08.88s NA  
## decstr+43d52m24.15s NA  
## decstr+43d52m34.02s NA  
## decstr+43d52m52.22s NA  
## decstr+43d53m03.88s NA  
## decstr+43d53m17.15s NA  
## decstr+43d53m21.90s NA  
## decstr+43d53m23.81s NA  
## decstr+43d53m38.61s NA  
## decstr+43d53m47.38s NA  
## decstr+43d54m14.64s NA  
## decstr+43d54m39.12s NA  
## decstr+43d54m46.90s NA  
## decstr+43d54m48.81s NA  
## decstr+43d54m49.34s NA  
## decstr+43d54m54.24s NA  
## decstr+43d54m54.36s NA  
## decstr+43d55m08.36s NA  
## decstr+43d56m12.52s NA  
## decstr+43d56m56.92s NA  
## decstr+43d57m14.62s NA  
## decstr+43d57m17.96s NA  
## decstr+43d57m21.62s NA  
## decstr+43d57m30.54s NA  
## decstr+43d57m41.63s NA  
## decstr+43d57m47.06s NA  
## decstr+43d57m58.33s NA  
## decstr+43d58m48.88s NA  
## decstr+43d59m05.66s NA  
## decstr+43d59m08.48s NA  
## decstr+43d59m23.63s NA  
## decstr+43d59m52.87s NA  
## decstr+44d00m15.71s NA  
## decstr+44d00m31.08s NA  
## decstr+44d00m38.96s NA  
## decstr+44d01m29.03s NA  
## decstr+44d01m35.36s NA  
## decstr+44d01m36.93s NA  
## decstr+44d01m39.35s NA  
## decstr+44d01m43.22s NA  
## decstr+44d02m02.30s NA  
## decstr+44d02m06.14s NA  
## decstr+44d02m09.11s NA  
## decstr+44d02m34.29s NA  
## decstr+44d02m59.57s NA  
## decstr+44d03m44.90s NA  
## decstr+44d04m07.74s NA  
## decstr+44d04m39.67s NA  
## decstr+44d04m56.21s NA  
## decstr+44d05m14.61s NA  
## decstr+44d05m15.45s NA  
## decstr+44d05m16.09s NA  
## decstr+44d05m21.28s NA  
## decstr+44d05m28.54s NA  
## decstr+44d06m20.91s NA  
## decstr+44d06m25.28s NA  
## decstr+44d06m28.01s NA  
## decstr+44d06m37.92s NA  
## decstr+44d06m55.80s NA  
## decstr+44d07m00.30s NA  
## decstr+44d07m45.31s NA  
## decstr+44d07m56.46s NA  
## decstr+44d08m28.63s NA  
## decstr+44d08m30.52s NA  
## decstr+44d08m37.05s NA  
## decstr+44d08m44.75s NA  
## decstr+44d08m57.54s NA  
## decstr+44d08m59.83s NA  
## decstr+44d09m21.18s NA  
## decstr+44d09m33.66s NA  
## decstr+44d09m39.17s NA  
## decstr+44d09m58.33s NA  
## decstr+44d10m00.97s NA  
## decstr+44d10m15.38s NA  
## decstr+44d10m41.12s NA  
## decstr+44d10m45.94s NA  
## decstr+44d11m02.04s NA  
## decstr+44d12m30.40s NA  
## decstr+44d14m14.89s NA  
## decstr+44d14m44.90s NA  
## decstr+44d15m01.84s NA  
## decstr+44d15m35.23s NA  
## decstr+44d16m06.65s NA  
## decstr+44d16m27.56s NA  
## decstr+44d16m39.31s NA  
## decstr+44d17m02.47s NA  
## decstr+44d17m02.79s NA  
## decstr+44d17m32.96s NA  
## decstr+44d17m42.91s NA  
## decstr+44d18m05.58s NA  
## decstr+44d18m09.13s NA  
## decstr+44d18m18.24s NA  
## decstr+44d18m38.83s NA  
## decstr+44d18m43.79s NA  
## decstr+44d18m55.71s NA  
## decstr+44d19m30.82s NA  
## decstr+44d19m38.98s NA  
## decstr+44d20m15.18s NA  
## decstr+44d20m42.74s NA  
## decstr+44d20m43.56s NA  
## decstr+44d20m47.44s NA  
## decstr+44d22m13.93s NA  
## decstr+44d22m18.27s NA  
## decstr+44d22m52.47s NA  
## decstr+44d22m53.58s NA  
## decstr+44d23m13.35s NA  
## decstr+44d23m40.79s NA  
## decstr+44d23m52.41s NA  
## decstr+44d24m43.51s NA  
## decstr+44d24m44.03s NA  
## decstr+44d25m03.80s NA  
## decstr+44d25m19.75s NA  
## decstr+44d25m20.21s NA  
## decstr+44d25m30.86s NA  
## decstr+44d26m04.06s NA  
## decstr+44d26m07.06s NA  
## decstr+44d26m08.54s NA  
## decstr+44d26m53.71s NA  
## decstr+44d27m38.41s NA  
## decstr+44d27m55.46s NA  
## decstr+44d28m13.46s NA  
## decstr+44d28m39.83s NA  
## decstr+44d28m40.78s NA  
## decstr+44d28m44.51s NA  
## decstr+44d28m49.36s NA  
## decstr+44d29m17.38s NA  
## decstr+44d31m06.14s NA  
## decstr+44d31m07.40s NA  
## decstr+44d31m24.32s NA  
## decstr+44d31m32.97s NA  
## decstr+44d31m38.20s NA  
## decstr+44d31m44.57s NA  
## decstr+44d31m54.06s NA  
## decstr+44d32m45.26s NA  
## decstr+44d33m09.92s NA  
## decstr+44d33m20.73s NA  
## decstr+44d33m22.90s NA  
## decstr+44d33m23.06s NA  
## decstr+44d33m46.96s NA  
## decstr+44d34m02.93s NA  
## decstr+44d35m29.84s NA  
## decstr+44d36m20.25s NA  
## decstr+44d36m31.04s NA  
## decstr+44d36m31.12s NA  
## decstr+44d36m32.49s NA  
## decstr+44d36m35.43s NA  
## decstr+44d36m56.15s NA  
## decstr+44d37m02.52s NA  
## decstr+44d37m28.72s NA  
## decstr+44d37m56.30s NA  
## decstr+44d38m17.06s NA  
## decstr+44d38m29.53s NA  
## decstr+44d38m50.22s NA  
## decstr+44d39m11.62s NA  
## decstr+44d39m16.15s NA  
## decstr+44d39m52.66s NA  
## decstr+44d40m02.82s NA  
## decstr+44d40m19.83s NA  
## decstr+44d41m00.28s NA  
## decstr+44d41m17.74s NA  
## decstr+44d41m26.09s NA  
## decstr+44d41m38.05s NA  
## decstr+44d41m40.45s NA  
## decstr+44d41m59.96s NA  
## decstr+44d42m20.55s NA  
## decstr+44d42m29.76s NA  
## decstr+44d42m48.15s NA  
## decstr+44d43m57.61s NA  
## decstr+44d44m01.57s NA  
## decstr+44d44m13.42s NA  
## decstr+44d44m46.49s NA  
## decstr+44d45m03.65s NA  
## decstr+44d45m11.15s NA  
## decstr+44d45m23.60s NA  
## decstr+44d45m30.06s NA  
## decstr+44d45m46.63s NA  
## decstr+44d46m14.35s NA  
## decstr+44d46m18.79s NA  
## decstr+44d46m36.79s NA  
## decstr+44d46m46.51s NA  
## decstr+44d46m53.69s NA  
## decstr+44d46m58.29s NA  
## decstr+44d47m06.65s NA  
## decstr+44d47m34.02s NA  
## decstr+44d47m42.67s NA  
## decstr+44d47m51.50s NA  
## decstr+44d48m06.34s NA  
## decstr+44d48m41.62s NA  
## decstr+44d50m10.06s NA  
## decstr+44d50m17.42s NA  
## decstr+44d50m17.51s NA  
## decstr+44d50m22.08s NA  
## decstr+44d51m12.85s NA  
## decstr+44d51m28.31s NA  
## decstr+44d51m29.25s NA  
## decstr+44d52m07.92s NA  
## decstr+44d52m24.23s NA  
## decstr+44d52m25.59s NA  
## decstr+44d52m34.47s NA  
## decstr+44d53m14.45s NA  
## decstr+44d53m57.56s NA  
## decstr+44d54m00.21s NA  
## decstr+44d54m55.32s NA  
## decstr+44d55m00.30s NA  
## decstr+44d55m05.63s NA  
## decstr+44d55m15.61s NA  
## decstr+44d55m15.90s NA  
## decstr+44d55m23.72s NA  
## decstr+44d55m33.09s NA  
## decstr+44d55m38.25s NA  
## decstr+44d55m56.80s NA  
## decstr+44d55m57.15s NA  
## decstr+44d56m30.59s NA  
## decstr+44d57m21.78s NA  
## decstr+44d58m05.81s NA  
## decstr+44d58m57.16s NA  
## decstr+44d59m09.98s NA  
## decstr+44d59m32.75s NA  
## decstr+45d00m04.87s NA  
## decstr+45d00m27.87s NA  
## decstr+45d00m29.07s NA  
## decstr+45d01m00.89s NA  
## decstr+45d01m05.66s NA  
## decstr+45d02m03.90s NA  
## decstr+45d02m27.98s NA  
## decstr+45d02m56.50s NA  
## decstr+45d03m11.53s NA  
## decstr+45d03m12.11s NA  
## decstr+45d03m36.63s NA  
## decstr+45d03m56.14s NA  
## decstr+45d04m15.57s NA  
## decstr+45d04m26.72s NA  
## decstr+45d04m46.03s NA  
## decstr+45d04m51.98s NA  
## decstr+45d04m52.68s NA  
## decstr+45d05m02.66s NA  
## decstr+45d05m15.66s NA  
## decstr+45d06m09.68s NA  
## decstr+45d06m25.91s NA  
## decstr+45d06m52.33s NA  
## decstr+45d06m55.83s NA  
## decstr+45d08m11.85s NA  
## decstr+45d08m23.35s NA  
## decstr+45d08m24.30s NA  
## decstr+45d08m42.89s NA  
## decstr+45d09m05.49s NA  
## decstr+45d09m15.47s NA  
## decstr+45d09m31.40s NA  
## decstr+45d09m38.61s NA  
## decstr+45d10m19.99s NA  
## decstr+45d10m20.11s NA  
## decstr+45d10m45.07s NA  
## decstr+45d10m49.21s NA  
## decstr+45d11m31.88s NA  
## decstr+45d11m48.58s NA  
## decstr+45d11m54.01s NA  
## decstr+45d12m15.23s NA  
## decstr+45d12m31.76s NA  
## decstr+45d12m41.43s NA  
## decstr+45d12m49.27s NA  
## decstr+45d13m32.36s NA  
## decstr+45d13m38.23s NA  
## decstr+45d14m18.00s NA  
## decstr+45d14m33.16s NA  
## decstr+45d14m55.49s NA  
## decstr+45d15m29.10s NA  
## decstr+45d15m43.15s NA  
## decstr+45d16m27.13s NA  
## decstr+45d16m27.69s NA  
## decstr+45d17m24.99s NA  
## decstr+45d18m17.54s NA  
## decstr+45d18m21.90s NA  
## decstr+45d18m34.77s NA  
## decstr+45d18m55.52s NA  
## decstr+45d19m05.90s NA  
## decstr+45d19m23.14s NA  
## decstr+45d20m06.45s NA  
## decstr+45d20m12.84s NA  
## decstr+45d20m25.93s NA  
## decstr+45d20m33.64s NA  
## decstr+45d20m36.69s NA  
## decstr+45d21m02.58s NA  
## decstr+45d21m13.55s NA  
## decstr+45d22m03.99s NA  
## decstr+45d22m12.34s NA  
## decstr+45d22m15.50s NA  
## decstr+45d23m01.93s NA  
## decstr+45d23m03.60s NA  
## decstr+45d23m04.17s NA  
## decstr+45d23m16.23s NA  
## decstr+45d24m19.55s NA  
## decstr+45d24m28.32s NA  
## decstr+45d24m37.01s NA  
## decstr+45d24m51.36s NA  
## decstr+45d25m32.84s NA  
## decstr+45d25m42.95s NA  
## decstr+45d26m02.33s NA  
## decstr+45d26m07.41s NA  
## decstr+45d26m22.90s NA  
## decstr+45d26m26.01s NA  
## decstr+45d26m26.90s NA  
## decstr+45d27m26.43s NA  
## decstr+45d28m49.10s NA  
## decstr+45d29m43.18s NA  
## decstr+45d30m24.53s NA  
## decstr+45d32m43.96s NA  
## decstr+45d33m04.06s NA  
## decstr+45d33m22.24s NA  
## decstr+45d33m52.27s NA  
## decstr+45d34m43.83s NA  
## decstr+45d35m18.79s NA  
## decstr+45d35m31.50s NA  
## decstr+45d35m34.38s NA  
## decstr+45d35m47.34s NA  
## decstr+45d36m02.09s NA  
## decstr+45d36m03.33s NA  
## decstr+45d36m19.75s NA  
## decstr+45d37m23.46s NA  
## decstr+45d37m37.26s NA  
## decstr+45d38m03.52s NA  
## decstr+45d38m23.41s NA  
## decstr+45d39m18.19s NA  
## decstr+45d39m24.36s NA  
## decstr+45d39m48.30s NA  
## decstr+45d40m16.18s NA  
## decstr+45d41m00.41s NA  
## decstr+45d41m21.84s NA  
## decstr+45d42m15.83s NA  
## decstr+45d42m42.63s NA  
## decstr+45d42m57.15s NA  
## decstr+45d42m57.72s NA  
## decstr+45d43m10.40s NA  
## decstr+45d43m11.04s NA  
## decstr+45d44m05.28s NA  
## decstr+45d44m13.99s NA  
## decstr+45d44m20.68s NA  
## decstr+45d44m26.27s NA  
## decstr+45d44m44.17s NA  
## decstr+45d44m52.28s NA  
## decstr+45d45m41.58s NA  
## decstr+45d45m43.89s NA  
## decstr+45d46m41.16s NA  
## decstr+45d47m19.70s NA  
## decstr+45d48m08.01s NA  
## decstr+45d48m32.72s NA  
## decstr+45d48m45.97s NA  
## decstr+45d48m59.13s NA  
## decstr+45d49m03.09s NA  
## decstr+45d49m37.36s NA  
## decstr+45d49m38.72s NA  
## decstr+45d50m05.20s NA  
## decstr+45d50m34.63s NA  
## decstr+45d51m10.99s NA  
## decstr+45d51m58.07s NA  
## decstr+45d52m00.51s NA  
## decstr+45d52m11.85s NA  
## decstr+45d52m30.20s NA  
## decstr+45d54m52.94s NA  
## decstr+45d55m04.72s NA  
## decstr+45d55m27.19s NA  
## decstr+45d55m51.09s NA  
## decstr+45d57m00.40s NA  
## decstr+45d57m30.70s NA  
## decstr+45d58m05.81s NA  
## decstr+45d58m10.39s NA  
## decstr+45d58m15.76s NA  
## decstr+45d58m20.38s NA  
## decstr+45d58m24.00s NA  
## decstr+45d58m33.45s NA  
## decstr+45d58m36.35s NA  
## decstr+45d58m48.90s NA  
## decstr+45d58m53.92s NA  
## decstr+45d59m04.66s NA  
## decstr+45d59m06.50s NA  
## decstr+46d00m08.15s NA  
## decstr+46d00m18.61s NA  
## decstr+46d00m20.43s NA  
## decstr+46d00m50.31s NA  
## decstr+46d01m22.16s NA  
## decstr+46d01m23.75s NA  
## decstr+46d01m38.60s NA  
## decstr+46d01m41.01s NA  
## decstr+46d02m03.46s NA  
## decstr+46d02m29.95s NA  
## decstr+46d02m54.13s NA  
## decstr+46d03m06.85s NA  
## decstr+46d03m11.00s NA  
## decstr+46d03m27.31s NA  
## decstr+46d03m33.33s NA  
## decstr+46d03m38.91s NA  
## decstr+46d03m44.62s NA  
## decstr+46d03m49.99s NA  
## decstr+46d03m59.07s NA  
## decstr+46d04m00.21s NA  
## decstr+46d04m32.63s NA  
## decstr+46d04m50.05s NA  
## decstr+46d05m45.35s NA  
## decstr+46d05m50.49s NA  
## decstr+46d05m55.42s NA  
## decstr+46d07m03.36s NA  
## decstr+46d07m44.81s NA  
## decstr+46d07m51.04s NA  
## decstr+46d08m28.21s NA  
## decstr+46d09m53.25s NA  
## decstr+46d09m59.03s NA  
## decstr+46d10m19.70s NA  
## decstr+46d10m30.52s NA  
## decstr+46d10m51.35s NA  
## decstr+46d11m46.27s NA  
## decstr+46d11m54.48s NA  
## decstr+46d12m12.37s NA  
## decstr+46d13m26.24s NA  
## decstr+46d13m34.49s NA  
## decstr+46d13m36.08s NA  
## decstr+46d14m15.01s NA  
## decstr+46d14m41.94s NA  
## decstr+46d14m56.80s NA  
## decstr+46d15m09.64s NA  
## decstr+46d15m16.93s NA  
## decstr+46d15m52.93s NA  
## decstr+46d15m59.69s NA  
## decstr+46d16m25.46s NA  
## decstr+46d16m33.55s NA  
## decstr+46d16m34.04s NA  
## decstr+46d16m39.08s NA  
## decstr+46d17m23.12s NA  
## decstr+46d17m48.93s NA  
## decstr+46d18m38.38s NA  
## decstr+46d18m53.67s NA  
## decstr+46d18m59.73s NA  
## decstr+46d19m14.19s NA  
## decstr+46d19m16.92s NA  
## decstr+46d19m23.81s NA  
## decstr+46d19m27.63s NA  
## decstr+46d19m43.20s NA  
## decstr+46d19m44.30s NA  
## decstr+46d20m27.15s NA  
## decstr+46d20m49.98s NA  
## decstr+46d22m00.58s NA  
## decstr+46d22m18.11s NA  
## decstr+46d22m24.75s NA  
## decstr+46d22m38.20s NA  
## decstr+46d23m28.28s NA  
## decstr+46d23m32.34s NA  
## decstr+46d23m38.64s NA  
## decstr+46d23m40.02s NA  
## decstr+46d24m29.47s NA  
## decstr+46d24m48.25s NA  
## decstr+46d25m06.52s NA  
## decstr+46d25m44.98s NA  
## decstr+46d26m19.92s NA  
## decstr+46d26m27.54s NA  
## decstr+46d26m59.05s NA  
## decstr+46d27m13.18s NA  
## decstr+46d27m28.76s NA  
## decstr+46d28m14.15s NA  
## decstr+46d28m25.00s NA  
## decstr+46d28m51.68s NA  
## decstr+46d29m29.30s NA  
## decstr+46d29m33.61s NA  
## decstr+46d29m55.54s NA  
## decstr+46d29m56.84s NA  
## decstr+46d30m08.04s NA  
## decstr+46d30m58.25s NA  
## decstr+46d31m21.87s NA  
## decstr+46d32m10.05s NA  
## decstr+46d33m59.22s NA  
## decstr+46d34m04.44s NA  
## decstr+46d34m26.43s NA  
## decstr+46d34m27.69s NA  
## decstr+46d34m38.09s NA  
## decstr+46d34m44.89s NA  
## decstr+46d34m44.95s NA  
## decstr+46d34m55.99s NA  
## decstr+46d35m20.89s NA  
## decstr+46d35m25.63s NA  
## decstr+46d36m07.97s NA  
## decstr+46d36m12.42s NA  
## decstr+46d36m21.15s NA  
## decstr+46d36m54.17s NA  
## decstr+46d37m02.99s NA  
## decstr+46d37m05.65s NA  
## decstr+46d37m09.12s NA  
## decstr+46d37m35.01s NA  
## decstr+46d37m35.68s NA  
## decstr+46d38m24.60s NA  
## decstr+46d38m27.15s NA  
## decstr+46d38m33.89s NA  
## decstr+46d39m05.78s NA  
## decstr+46d39m34.48s NA  
## decstr+46d39m43.99s NA  
## decstr+46d39m58.38s NA  
## decstr+46d40m05.67s NA  
## decstr+46d40m14.34s NA  
## decstr+46d40m30.85s NA  
## decstr+46d40m30.86s NA  
## decstr+46d40m46.14s NA  
## decstr+46d41m15.82s NA  
## decstr+46d41m16.26s NA  
## decstr+46d41m22.82s NA  
## decstr+46d41m32.84s NA  
## decstr+46d41m34.24s NA  
## decstr+46d41m53.89s NA  
## decstr+46d42m48.27s NA  
## decstr+46d42m52.62s NA  
## decstr+46d43m04.04s NA  
## decstr+46d43m04.80s NA  
## decstr+46d43m12.74s NA  
## decstr+46d43m21.74s NA  
## decstr+46d43m33.90s NA  
## decstr+46d43m36.05s NA  
## decstr+46d43m46.87s NA  
## decstr+46d44m10.66s NA  
## decstr+46d44m27.96s NA  
## decstr+46d44m30.72s NA  
## decstr+46d44m36.73s NA  
## decstr+46d44m40.30s NA  
## decstr+46d44m47.59s NA  
## decstr+46d45m09.43s NA  
## decstr+46d45m45.33s NA  
## decstr+46d46m04.73s NA  
## decstr+46d46m05.33s NA  
## decstr+46d47m01.13s NA  
## decstr+46d47m22.75s NA  
## decstr+46d47m25.73s NA  
## decstr+46d47m37.09s NA  
## decstr+46d47m46.04s NA  
## decstr+46d48m46.68s NA  
## decstr+46d49m17.05s NA  
## decstr+46d49m26.39s NA  
## decstr+46d50m03.30s NA  
## decstr+46d50m06.81s NA  
## decstr+46d50m17.90s NA  
## decstr+46d50m19.74s NA  
## decstr+46d50m35.39s NA  
## decstr+46d51m09.84s NA  
## decstr+46d51m26.87s NA  
## decstr+46d51m31.74s NA  
## decstr+46d52m05.69s NA  
## decstr+46d52m15.20s NA  
## decstr+46d52m52.75s NA  
## decstr+46d53m44.25s NA  
## decstr+46d53m47.05s NA  
## decstr+46d53m57.32s NA  
## decstr+46d53m59.28s NA  
## decstr+46d54m15.22s NA  
## decstr+46d54m28.09s NA  
## decstr+46d54m42.42s NA  
## decstr+46d55m13.55s NA  
## decstr+46d55m42.51s NA  
## decstr+46d55m51.65s NA  
## decstr+46d56m15.89s NA  
## decstr+46d56m21.71s NA  
## decstr+46d56m30.82s NA  
## decstr+46d56m44.88s NA  
## decstr+46d56m45.11s NA  
## decstr+46d56m47.48s NA  
## decstr+46d57m13.95s NA  
## decstr+46d57m36.36s NA  
## decstr+46d57m41.08s NA  
## decstr+46d57m54.41s NA  
## decstr+46d57m57.43s NA  
## decstr+46d57m58.30s NA  
## decstr+46d58m03.46s NA  
## decstr+46d58m25.08s NA  
## decstr+46d59m10.64s NA  
## decstr+46d59m12.29s NA  
## decstr+46d59m14.42s NA  
## decstr+46d59m17.36s NA  
## decstr+46d59m22.81s NA  
## decstr+46d59m48.04s NA  
## decstr+46d59m53.81s NA  
## decstr+46d59m56.27s NA  
## decstr+47d00m47.00s NA  
## decstr+47d00m53.22s NA  
## decstr+47d00m59.47s NA  
## decstr+47d01m13.25s NA  
## decstr+47d01m36.53s NA  
## decstr+47d02m13.16s NA  
## decstr+47d02m32.98s NA  
## decstr+47d03m13.35s NA  
## decstr+47d03m46.86s NA  
## decstr+47d04m00.47s NA  
## decstr+47d04m32.96s NA  
## decstr+47d04m46.43s NA  
## decstr+47d05m07.79s NA  
## decstr+47d05m08.00s NA  
## decstr+47d05m53.50s NA  
## decstr+47d06m06.28s NA  
## decstr+47d06m45.66s NA  
## decstr+47d06m54.42s NA  
## decstr+47d07m02.65s NA  
## decstr+47d09m20.56s NA  
## decstr+47d09m26.50s NA  
## decstr+47d09m27.27s NA  
## decstr+47d09m50.23s NA  
## decstr+47d09m52.49s NA  
## decstr+47d10m15.36s NA  
## decstr+47d10m18.68s NA  
## decstr+47d10m28.02s NA  
## decstr+47d10m58.03s NA  
## decstr+47d11m17.52s NA  
## decstr+47d12m15.77s NA  
## decstr+47d12m25.66s NA  
## decstr+47d12m28.17s NA  
## decstr+47d13m03.17s NA  
## decstr+47d14m00.48s NA  
## decstr+47d14m48.92s NA  
## decstr+47d15m28.39s NA  
## decstr+47d15m40.12s NA  
## decstr+47d16m33.47s NA  
## decstr+47d16m46.14s NA  
## decstr+47d18m27.92s NA  
## decstr+47d19m40.52s NA  
## decstr+47d21m06.87s NA  
## decstr+47d21m27.15s NA  
## decstr+47d21m31.60s NA  
## decstr+47d22m04.28s NA  
## decstr+47d22m42.63s NA  
## decstr+47d22m53.54s NA  
## decstr+47d23m46.41s NA  
## decstr+47d23m55.04s NA  
## decstr+47d23m56.85s NA  
## decstr+47d24m22.56s NA  
## decstr+47d24m24.90s NA  
## decstr+47d24m49.30s NA  
## decstr+47d24m53.19s NA  
## decstr+47d25m32.37s NA  
## decstr+47d26m19.72s NA  
## decstr+47d26m53.25s NA  
## decstr+47d26m55.02s NA  
## decstr+47d27m19.76s NA  
## decstr+47d27m25.49s NA  
## decstr+47d27m47.05s NA  
## decstr+47d28m08.82s NA  
## decstr+47d28m38.47s NA  
## decstr+47d29m05.24s NA  
## decstr+47d29m19.05s NA  
## decstr+47d29m27.31s NA  
## decstr+47d29m28.69s NA  
## decstr+47d29m50.14s NA  
## decstr+47d30m34.88s NA  
## decstr+47d30m58.05s NA  
## decstr+47d31m35.56s NA  
## decstr+47d31m47.71s NA  
## decstr+47d33m07.11s NA  
## decstr+47d34m06.93s NA  
## decstr+47d34m22.96s NA  
## decstr+47d34m29.71s NA  
## decstr+47d34m42.20s NA  
## decstr+47d35m32.63s NA  
## decstr+47d35m37.79s NA  
## decstr+47d36m00.25s NA  
## decstr+47d36m18.01s NA  
## decstr+47d37m47.44s NA  
## decstr+47d38m13.74s NA  
## decstr+47d38m29.98s NA  
## decstr+47d39m00.41s NA  
## decstr+47d39m51.02s NA  
## decstr+47d40m43.91s NA  
## decstr+47d41m15.28s NA  
## decstr+47d41m20.07s NA  
## decstr+47d41m38.28s NA  
## decstr+47d41m51.57s NA  
## decstr+47d43m28.43s NA  
## decstr+47d43m33.27s NA  
## decstr+47d43m46.94s NA  
## decstr+47d43m53.77s NA  
## decstr+47d44m53.13s NA  
## decstr+47d45m05.33s NA  
## decstr+47d45m07.41s NA  
## decstr+47d45m34.09s NA  
## decstr+47d45m42.96s NA  
## decstr+47d46m22.47s NA  
## decstr+47d46m32.24s NA  
## decstr+47d47m07.10s NA  
## decstr+47d48m34.81s NA  
## decstr+47d48m37.75s NA  
## decstr+47d48m51.97s NA  
## decstr+47d48m53.95s NA  
## decstr+47d48m55.65s NA  
## decstr+47d50m04.41s NA  
## decstr+47d50m20.18s NA  
## decstr+47d50m54.52s NA  
## decstr+47d51m47.43s NA  
## decstr+47d51m49.34s NA  
## decstr+47d51m50.58s NA  
## decstr+47d52m23.70s NA  
## decstr+47d52m23.99s NA  
## decstr+47d52m42.33s NA  
## decstr+47d52m43.43s NA  
## decstr+47d52m48.75s NA  
## decstr+47d52m49.31s NA  
## decstr+47d52m51.45s NA  
## decstr+47d52m52.69s NA  
## decstr+47d53m02.91s NA  
## decstr+47d53m10.16s NA  
## decstr+47d53m14.81s NA  
## decstr+47d54m30.50s NA  
## decstr+47d55m17.30s NA  
## decstr+47d55m44.85s NA  
## decstr+47d56m00.83s NA  
## decstr+47d56m22.56s NA  
## decstr+47d56m47.88s NA  
## decstr+47d56m48.55s NA  
## decstr+47d56m51.21s NA  
## decstr+47d56m57.36s NA  
## decstr+47d57m42.89s NA  
## decstr+47d57m59.81s NA  
## decstr+47d58m10.35s NA  
## decstr+47d59m20.07s NA  
## decstr+48d00m07.91s NA  
## decstr+48d00m33.34s NA  
## decstr+48d01m04.41s NA  
## decstr+48d01m05.05s NA  
## decstr+48d01m42.83s NA  
## decstr+48d01m46.57s NA  
## decstr+48d02m05.41s NA  
## decstr+48d02m24.63s NA  
## decstr+48d03m15.76s NA  
## decstr+48d03m39.33s NA  
## decstr+48d03m54.93s NA  
## decstr+48d03m55.94s NA  
## decstr+48d03m59.38s NA  
## decstr+48d04m54.71s NA  
## decstr+48d04m56.83s NA  
## decstr+48d04m57.23s NA  
## decstr+48d05m39.70s NA  
## decstr+48d05m54.11s NA  
## decstr+48d06m27.95s NA  
## decstr+48d07m11.22s NA  
## decstr+48d07m34.53s NA  
## decstr+48d07m52.60s NA  
## decstr+48d08m30.03s NA  
## decstr+48d09m15.13s NA  
## decstr+48d09m54.55s NA  
## decstr+48d10m41.54s NA  
## decstr+48d10m53.03s NA  
## decstr+48d11m08.81s NA  
## decstr+48d12m30.66s NA  
## decstr+48d12m30.97s NA  
## decstr+48d13m09.62s NA  
## decstr+48d13m28.68s NA  
## decstr+48d13m34.33s NA  
## decstr+48d14m00.30s NA  
## decstr+48d14m23.89s NA  
## decstr+48d14m31.14s NA  
## decstr+48d14m39.61s NA  
## decstr+48d14m55.92s NA  
## decstr+48d15m04.13s NA  
## decstr+48d15m25.31s NA  
## decstr+48d15m28.19s NA  
## decstr+48d15m33.24s NA  
## decstr+48d16m04.05s NA  
## decstr+48d16m15.43s NA  
## decstr+48d16m20.22s NA  
## decstr+48d16m37.62s NA  
## decstr+48d16m53.00s NA  
## decstr+48d17m09.30s NA  
## decstr+48d17m39.25s NA  
## decstr+48d18m03.08s NA  
## decstr+48d18m08.44s NA  
## decstr+48d18m26.23s NA  
## decstr+48d18m44.02s NA  
## decstr+48d19m13.28s NA  
## decstr+48d19m57.15s NA  
## decstr+48d20m09.32s NA  
## decstr+48d20m09.93s NA  
## decstr+48d20m42.20s NA  
## decstr+48d20m59.27s NA  
## decstr+48d21m18.89s NA  
## decstr+48d22m24.49s NA  
## decstr+48d22m32.83s NA  
## decstr+48d23m15.64s NA  
## decstr+48d23m26.91s NA  
## decstr+48d24m05.92s NA  
## decstr+48d24m24.36s NA  
## decstr+48d24m57.52s NA  
## decstr+48d25m06.90s NA  
## decstr+48d25m26.01s NA  
## decstr+48d25m53.72s NA  
## decstr+48d25m54.22s NA  
## decstr+48d26m07.17s NA  
## decstr+48d26m36.45s NA  
## decstr+48d26m40.53s NA  
## decstr+48d26m43.77s NA  
## decstr+48d28m42.84s NA  
## decstr+48d28m52.91s NA  
## decstr+48d29m39.78s NA  
## decstr+48d29m43.87s NA  
## decstr+48d30m20.89s NA  
## decstr+48d30m39.86s NA  
## decstr+48d30m55.42s NA  
## decstr+48d31m16.77s NA  
## decstr+48d31m28.09s NA  
## decstr+48d32m39.23s NA  
## decstr+48d32m56.62s NA  
## decstr+48d33m09.48s NA  
## decstr+48d33m33.60s NA  
## decstr+48d33m35.58s NA  
## decstr+48d33m38.48s NA  
## decstr+48d34m31.31s NA  
## decstr+48d34m38.82s NA  
## decstr+48d34m49.88s NA  
## decstr+48d35m59.01s NA  
## decstr+48d36m10.19s NA  
## decstr+48d36m22.69s NA  
## decstr+48d37m07.31s NA  
## decstr+48d37m35.05s NA  
## decstr+48d38m20.37s NA  
## decstr+48d38m42.92s NA  
## decstr+48d39m04.22s NA  
## decstr+48d39m55.25s NA  
## decstr+48d40m24.04s NA  
## decstr+48d40m59.68s NA  
## decstr+48d41m00.77s NA  
## decstr+48d41m37.71s NA  
## decstr+48d42m05.19s NA  
## decstr+48d42m22.19s NA  
## decstr+48d43m10.51s NA  
## decstr+48d43m30.97s NA  
## decstr+48d43m40.02s NA  
## decstr+48d44m39.37s NA  
## decstr+48d45m32.88s NA  
## decstr+48d45m45.15s NA  
## decstr+48d46m12.04s NA  
## decstr+48d46m26.27s NA  
## decstr+48d46m31.44s NA  
## decstr+48d46m39.42s NA  
## decstr+48d47m29.73s NA  
## decstr+48d47m30.69s NA  
## decstr+48d48m07.64s NA  
## decstr+48d48m24.11s NA  
## decstr+48d48m34.55s NA  
## decstr+48d48m41.80s NA  
## decstr+48d49m08.30s NA  
## decstr+48d49m11.39s NA  
## decstr+48d49m21.80s NA  
## decstr+48d49m29.97s NA  
## decstr+48d49m31.19s NA  
## decstr+48d49m54.20s NA  
## decstr+48d50m48.90s NA  
## decstr+48d52m52.35s NA  
## decstr+48d53m05.04s NA  
## decstr+48d53m59.45s NA  
## decstr+48d55m00.26s NA  
## decstr+48d55m01.77s NA  
## decstr+48d55m48.21s NA  
## decstr+48d58m05.40s NA  
## decstr+48d58m17.17s NA  
## decstr+48d58m38.31s NA  
## decstr+48d58m55.94s NA  
## decstr+48d58m56.35s NA  
## decstr+48d59m45.67s NA  
## decstr+48d59m46.14s NA  
## decstr+49d00m45.75s NA  
## decstr+49d01m02.26s NA  
## decstr+49d01m08.86s NA  
## decstr+49d02m24.77s NA  
## decstr+49d02m41.34s NA  
## decstr+49d02m45.64s NA  
## decstr+49d03m26.81s NA  
## decstr+49d03m41.96s NA  
## decstr+49d03m53.56s NA  
## decstr+49d04m04.74s NA  
## decstr+49d05m03.97s NA  
## decstr+49d06m08.31s NA  
## decstr+49d06m22.29s NA  
## decstr+49d06m36.99s NA  
## decstr+49d08m24.11s NA  
## decstr+49d08m24.40s NA  
## decstr+49d08m33.48s NA  
## decstr+49d09m17.04s NA  
## decstr+49d09m30.95s NA  
## decstr+49d09m43.25s NA  
## decstr+49d10m58.42s NA  
## decstr+49d11m24.62s NA  
## decstr+49d11m26.68s NA  
## decstr+49d12m08.93s NA  
## decstr+49d12m13.41s NA  
## decstr+49d12m31.35s NA  
## decstr+49d12m44.83s NA  
## decstr+49d13m54.51s NA  
## decstr+49d13m58.62s NA  
## decstr+49d14m14.71s NA  
## decstr+49d15m14.21s NA  
## decstr+49d15m22.76s NA  
## decstr+49d15m22.97s NA  
## decstr+49d15m32.14s NA  
## decstr+49d15m40.66s NA  
## decstr+49d15m42.00s NA  
## decstr+49d15m43.47s NA  
## decstr+49d16m38.18s NA  
## decstr+49d18m06.60s NA  
## decstr+49d18m18.45s NA  
## decstr+49d18m20.31s NA  
## decstr+49d18m50.74s NA  
## decstr+49d18m59.12s NA  
## decstr+49d18m59.55s NA  
## decstr+49d19m33.13s NA  
## decstr+49d19m48.31s NA  
## decstr+49d19m51.52s NA  
## decstr+49d21m14.01s NA  
## decstr+49d21m32.26s NA  
## decstr+49d22m00.46s NA  
## decstr+49d22m41.06s NA  
## decstr+49d22m47.36s NA  
## decstr+49d24m22.67s NA  
## decstr+49d24m45.15s NA  
## decstr+49d25m00.83s NA  
## decstr+49d25m07.43s NA  
## decstr+49d26m14.14s NA  
## decstr+49d27m03.37s NA  
## decstr+49d27m08.73s NA  
## decstr+49d27m42.40s NA  
## decstr+49d28m24.44s NA  
## decstr+49d28m45.31s NA  
## decstr+49d28m47.82s NA  
## decstr+49d28m51.06s NA  
## decstr+49d29m05.88s NA  
## decstr+49d29m31.40s NA  
## decstr+49d31m24.22s NA  
## decstr+49d31m57.66s NA  
## decstr+49d31m59.34s NA  
## decstr+49d32m24.53s NA  
## decstr+49d32m53.81s NA  
## decstr+49d33m43.78s NA  
## decstr+49d34m45.93s NA  
## decstr+49d35m12.98s NA  
## decstr+49d35m15.42s NA  
## decstr+49d35m20.56s NA  
## decstr+49d35m41.85s NA  
## decstr+49d35m54.40s NA  
## decstr+49d37m24.23s NA  
## decstr+49d37m35.35s NA  
## decstr+49d38m13.56s NA  
## decstr+49d38m16.05s NA  
## decstr+49d38m56.74s NA  
## decstr+49d39m10.94s NA  
## decstr+49d39m12.66s NA  
## decstr+49d39m49.92s NA  
## decstr+49d40m00.67s NA  
## decstr+49d40m59.31s NA  
## decstr+49d41m32.43s NA  
## decstr+49d41m46.23s NA  
## decstr+49d42m24.33s NA  
## decstr+49d43m39.90s NA  
## decstr+49d43m47.81s NA  
## decstr+49d43m52.40s NA  
## decstr+49d44m13.75s NA  
## decstr+49d44m19.25s NA  
## decstr+49d44m38.91s NA  
## decstr+49d45m43.29s NA  
## decstr+49d45m54.17s NA  
## decstr+49d46m10.93s NA  
## decstr+49d46m28.25s NA  
## decstr+49d46m33.19s NA  
## decstr+49d46m52.48s NA  
## decstr+49d47m19.35s NA  
## decstr+49d47m28.08s NA  
## decstr+49d47m51.17s NA  
## decstr+49d48m02.36s NA  
## decstr+49d48m05.86s NA  
## decstr+49d49m32.19s NA  
## decstr+49d49m46.28s NA  
## decstr+49d50m40.74s NA  
## decstr+49d51m39.81s NA  
## decstr+49d51m54.55s NA  
## decstr+49d52m20.94s NA  
## decstr+49d53m39.19s NA  
## decstr+49d53m47.62s NA  
## decstr+49d54m54.08s NA  
## decstr+49d55m23.52s NA  
## decstr+49d55m25.73s NA  
## decstr+49d56m10.17s NA  
## decstr+49d56m15.53s NA  
## decstr+49d56m15.98s NA  
## decstr+49d56m20.02s NA  
## decstr+49d56m34.31s NA  
## decstr+49d56m44.94s NA  
## decstr+49d57m43.64s NA  
## decstr+49d58m06.76s NA  
## decstr+49d58m32.66s NA  
## decstr+49d58m54.30s NA  
## decstr+49d59m41.35s NA  
## decstr+50d01m12.22s NA  
## decstr+50d01m48.24s NA  
## decstr+50d02m14.35s NA  
## decstr+50d02m25.32s NA  
## decstr+50d03m14.60s NA  
## decstr+50d04m31.41s NA  
## decstr+50d04m32.07s NA  
## decstr+50d04m37.86s NA  
## decstr+50d04m51.47s NA  
## decstr+50d05m44.81s NA  
## decstr+50d06m43.34s NA  
## decstr+50d07m18.61s NA  
## decstr+50d07m41.62s NA  
## decstr+50d07m43.36s NA  
## decstr+50d07m52.24s NA  
## decstr+50d08m08.78s NA  
## decstr+50d08m48.09s NA  
## decstr+50d08m58.88s NA  
## decstr+50d11m18.12s NA  
## decstr+50d13m00.86s NA  
## decstr+50d13m30.53s NA  
## decstr+50d13m49.25s NA  
## decstr+50d14m29.34s NA  
## decstr+50d14m32.53s NA  
## decstr+50d16m30.75s NA  
## decstr+50d17m14.51s NA  
## decstr+50d18m00.82s NA  
## decstr+50d18m29.03s NA  
## decstr+50d19m17.66s NA  
## decstr+50d20m11.46s NA  
## decstr+50d21m11.73s NA  
## decstr+50d22m20.22s NA  
## decstr+50d22m34.72s NA  
## decstr+50d24m32.57s NA  
## decstr+50d25m37.38s NA  
## decstr+50d27m39.31s NA  
## decstr+50d28m12.16s NA  
## decstr+50d28m42.96s NA  
## decstr+50d29m40.23s NA  
## decstr+50d29m54.21s NA  
## decstr+50d30m09.93s NA  
## decstr+50d31m00.57s NA  
## decstr+50d31m54.65s NA  
## decstr+50d33m33.25s NA  
## decstr+50d34m04.09s NA  
## decstr+50d34m04.20s NA  
## decstr+50d34m52.86s NA  
## decstr+50d35m01.89s NA  
## decstr+50d35m10.33s NA  
## decstr+50d35m44.10s NA  
## decstr+50d35m49.24s NA  
## decstr+50d35m54.42s NA  
## decstr+50d36m13.60s NA  
## decstr+50d37m05.45s NA  
## decstr+50d37m17.25s NA  
## decstr+50d40m13.41s NA  
## decstr+50d40m20.32s NA  
## decstr+50d40m22.85s NA  
## decstr+50d41m55.58s NA  
## decstr+50d43m31.39s NA  
## decstr+50d43m37.26s NA  
## decstr+50d45m34.41s NA  
## decstr+50d47m13.43s NA  
## decstr+50d47m20.27s NA  
## decstr+50d51m48.37s NA  
## decstr+50d54m10.22s NA  
## decstr+50d54m35.11s NA  
## decstr+50d56m15.22s NA  
## decstr+50d56m39.06s NA  
## decstr+50d56m39.11s NA  
## decstr+50d59m38.83s NA  
## decstr+51d00m48.69s NA  
## decstr+51d02m28.08s NA  
## decstr+51d03m26.44s NA  
## decstr+51d03m38.18s NA  
## decstr+51d04m54.94s NA  
## decstr+51d07m18.21s NA  
## decstr+51d08m39.28s NA  
## decstr+51d09m15.20s NA  
## decstr+51d09m44.72s NA  
## decstr+51d11m05.15s NA  
## decstr+51d12m10.80s NA  
## decstr+51d12m31.01s NA  
## decstr+51d12m32.54s NA  
## decstr+51d13m21.88s NA  
## decstr+51d14m08.90s NA  
## decstr+51d14m14.66s NA  
## decstr+51d14m53.38s NA  
## decstr+51d14m59.82s NA  
## decstr+51d15m00.87s NA  
## decstr+51d16m08.84s NA  
## decstr+51d16m16.60s NA  
## decstr+51d16m32.32s NA  
## decstr+51d16m37.17s NA  
## decstr+51d17m19.60s NA  
## decstr+51d18m14.01s NA  
## decstr+51d19m10.04s NA  
## decstr+51d19m15.26s NA  
## decstr+51d20m05.36s NA  
## decstr+51d20m52.36s NA  
## decstr+51d21m16.04s NA  
## decstr+51d21m29.50s NA  
## decstr+51d22m33.41s NA  
## decstr+51d24m32.38s NA  
## decstr+51d28m21.97s NA  
## decstr+51d28m42.01s NA  
## decstr+51d29m54.17s NA  
## decstr+51d30m17.16s NA  
## decstr+51d41m08.56s NA  
## decstr+51d41m44.78s NA  
## decstr+51d44m14.49s NA  
## decstr+51d45m26.02s NA  
## decstr+51d46m43.59s NA  
## decstr+51d54m17.47s NA  
## decstr+52d03m14.12s NA  
## decstr+52d04m12.75s NA  
## decstr+52d08m56.78s NA  
## decstr+52d16m36.22s NA  
## decstr+52d41m00.68s NA  
## decstr+52d56m38.92s NA  
## decstr+53d01m16.59s NA  
## decstr+53d22m51.46s NA  
## decstr+53d30m32.49s NA  
## decstr+53d34m05.53s NA  
## decstr+53d43m41.48s NA  
## decstr+53d55m19.74s NA  
## decstr+53d57m02.97s NA  
## decstr+54d17m15.43s NA  
## decstr+54d18m12.10s NA  
## decstr+54d24m32.30s NA  
## decstr+54d29m10.15s NA  
## decstr+54d51m04.37s NA  
## decstr+54d53m41.34s NA  
## decstr+55d01m11.93s NA  
## decstr+55d28m22.90s NA  
## decstr+55d35m16.88s NA  
## decstr+55d51m02.40s NA  
## decstr+56d01m32.55s NA  
## decstr+56d23m32.89s NA  
## decstr+56d39m02.44s NA  
## decstr+56d41m53.62s NA  
## decstr+56d43m49.08s NA  
## decstr+56d52m05.77s NA  
## decstr+56d53m13.71s NA  
## decstr+57d01m46.13s NA  
## decstr+57d10m10.65s NA  
## decstr+57d38m26.37s NA  
## decstr+57d49m01.95s NA  
## decstr+58d02m35.60s NA  
## decstr+58d09m40.23s NA  
## decstr+58d16m05.19s NA  
## decstr+58d16m32.02s NA  
## decstr+58d25m34.13s NA  
## decstr+58d57m58.11s NA  
## decstr+59d15m13.97s NA  
## decstr+59d24m45.01s NA  
## decstr+59d26m39.38s NA  
## decstr+59d26m56.05s NA  
## decstr+59d29m30.61s NA  
## decstr+60d40m34.67s NA  
## decstr+60d57m50.83s NA  
## decstr+61d08m05.97s NA  
## decstr+61d12m48.19s NA  
## decstr+61d27m39.07s NA  
## decstr+61d40m45.65s NA  
## decstr+61d42m05.42s NA  
## decstr+61d58m12.38s NA  
## decstr+62d14m21.09s NA  
## decstr+62d18m19.37s NA  
## decstr+62d20m43.58s NA  
## decstr+62d31m45.08s NA  
## decstr+62d45m13.74s NA  
## decstr+62d47m09.42s NA  
## decstr+63d04m41.08s NA  
## decstr+63d09m20.21s NA  
## decstr+63d21m10.02s NA  
## decstr+63d27m13.95s NA  
## decstr+63d36m37.18s NA  
## decstr+63d40m12.02s NA  
## decstr+64d01m56.75s NA  
## decstr+64d19m06.15s NA  
## decstr+64d19m40.98s NA  
## decstr+64d47m49.75s NA  
## decstr+64d57m49.84s NA  
## decstr+65d09m44.39s NA  
## decstr+65d33m48.11s NA  
## decstr+65d35m39.08s NA  
## decstr+65d36m31.62s NA  
## decstr+65d50m01.31s NA  
## decstr+65d51m15.11s NA  
## decstr+66d04m19.92s NA  
## decstr+66d14m06.19s NA  
## decstr+66d20m52.58s NA  
## decstr+66d21m31.35s NA  
## decstr+66d51m01.09s NA  
## decstr+67d14m21.13s NA  
## decstr+67d14m34.48s NA  
## decstr+68d20m01.23s NA  
## decstr+68d43m11.92s NA  
## decstr+69d04m26.86s NA  
## decstr+69d16m35.83s NA  
## decstr+69d31m22.34s NA  
## decstr+69d34m15.01s NA  
## decstr+69d38m20.89s NA  
## decstr+70d11m24.14s NA  
## decstr+70d14m18.53s NA  
## decstr+70d23m27.88s NA  
## decstr+70d31m37.50s NA  
## decstr+70d47m34.17s NA  
## decstr+71d18m50.24s NA  
## decstr+71d39m20.62s NA  
## decstr+71d45m11.12s NA  
## decstr+71d49m26.19s NA  
## decstr+72d09m20.56s NA  
## decstr+72d09m40.25s NA  
## decstr+72d17m47.81s NA  
## decstr+72d24m53.75s NA  
## decstr+72d27m21.09s NA  
## decstr+72d36m45.29s NA  
## decstr+72d42m37.13s NA  
## decstr+73d09m07.69s NA  
## decstr+73d11m42.39s NA  
## decstr+73d49m39.24s NA  
## decstr+73d52m04.85s NA  
## decstr+74d03m46.29s NA  
## decstr+74d04m48.28s NA  
## decstr+74d29m21.62s NA  
## decstr+74d49m37.96s NA  
## decstr+74d54m03.38s NA  
## decstr+75d02m38.36s NA  
## decstr+76d12m39.67s NA  
## decstr+76d42m36.53s NA  
## decstr+76d54m19.21s NA  
## decstr+77d37m59.16s NA  
## decstr+77d39m42.18s NA  
## decstr+77d47m24.44s NA  
## decstr+78d03m52.70s NA  
## decstr+79d13m54.66s NA  
## decstr+79d15m23.31s NA  
## decstr+79d25m06.89s NA  
## decstr+79d47m21.85s NA  
## decstr+80d08m11.05s NA  
## decstr+80d16m02.58s NA  
## decstr+81d02m20.35s NA  
## decstr+81d19m34.71s NA  
## decstr+82d14m43.49s NA  
## decstr+83d22m21.74s NA  
## decstr+83d41m51.11s NA  
## decstr+84d20m01.54s NA  
## decstr+84d21m51.35s NA  
## decstr+85d13m59.95s NA  
## decstr+85d44m11.52s NA  
## dec NA  
## sy\_dist NA  
## sy\_vmag NA  
## sy\_kmag NA  
## sy\_gaiamag NA  
## sy\_gaiamagerr1 NA  
## sy\_gaiamagerr2 NA  
## t value  
## (Intercept) NaN  
## pl\_name11 UMi b NaN  
## pl\_name14 And b NaN  
## pl\_name14 Her b NaN  
## pl\_name16 Cyg B b NaN  
## pl\_name17 Sco b NaN  
## pl\_name18 Del b NaN  
## pl\_name24 Boo b NaN  
## pl\_name24 Sex b NaN  
## pl\_name24 Sex c NaN  
## pl\_name2MASS J19383260+4603591 b NaN  
## pl\_name30 Ari B b NaN  
## pl\_name4 UMa b NaN  
## pl\_name42 Dra b NaN  
## pl\_name47 UMa b NaN  
## pl\_name47 UMa c NaN  
## pl\_name47 UMa d NaN  
## pl\_name51 Eri b NaN  
## pl\_name51 Peg b NaN  
## pl\_name55 Cnc b NaN  
## pl\_name55 Cnc c NaN  
## pl\_name55 Cnc d NaN  
## pl\_name55 Cnc e NaN  
## pl\_name55 Cnc f NaN  
## pl\_name6 Lyn b NaN  
## pl\_name61 Vir b NaN  
## pl\_name61 Vir c NaN  
## pl\_name61 Vir d NaN  
## pl\_name7 CMa b NaN  
## pl\_name7 CMa c NaN  
## pl\_name70 Vir b NaN  
## pl\_name75 Cet b NaN  
## pl\_name8 UMi b NaN  
## pl\_name81 Cet b NaN  
## pl\_name91 Aqr b NaN  
## pl\_nameAF Lep b NaN  
## pl\_nameAU Mic b NaN  
## pl\_nameAU Mic c NaN  
## pl\_nameBD-00 4475 b NaN  
## pl\_nameBD-06 1339 b NaN  
## pl\_nameBD-06 1339 c NaN  
## pl\_nameBD-08 2823 b NaN  
## pl\_nameBD-08 2823 c NaN  
## pl\_nameBD-10 3166 b NaN  
## pl\_nameBD-11 4672 b NaN  
## pl\_nameBD-11 4672 c NaN  
## pl\_nameBD-13 2130 b NaN  
## pl\_nameBD-17 63 b NaN  
## pl\_nameBD-210397 b NaN  
## pl\_nameBD-210397 c NaN  
## pl\_nameBD+03 2562 b NaN  
## pl\_nameBD+14 4559 b NaN  
## pl\_nameBD+15 2375 b NaN  
## pl\_nameBD+15 2940 b NaN  
## pl\_nameBD+20 2457 b NaN  
## pl\_nameBD+20 2457 c NaN  
## pl\_nameBD+20 274 b NaN  
## pl\_nameBD+20 594 b NaN  
## pl\_nameBD+45 564 b NaN  
## pl\_nameBD+48 738 b NaN  
## pl\_nameBD+48 740 b NaN  
## pl\_nameBD+49 828 b NaN  
## pl\_nameBD+55 362 b NaN  
## pl\_nameBD+63 1405 b NaN  
## pl\_namebet Cnc b NaN  
## pl\_namebet Pic b NaN  
## pl\_namebet Pic c NaN  
## pl\_nameCoRoT-1 b NaN  
## pl\_nameCoRoT-10 b NaN  
## pl\_nameCoRoT-11 b NaN  
## pl\_nameCoRoT-12 b NaN  
## pl\_nameCoRoT-13 b NaN  
## pl\_nameCoRoT-14 b NaN  
## pl\_nameCoRoT-16 b NaN  
## pl\_nameCoRoT-17 b NaN  
## pl\_nameCoRoT-18 b NaN  
## pl\_nameCoRoT-19 b NaN  
## pl\_nameCoRoT-2 b NaN  
## pl\_nameCoRoT-20 b NaN  
## pl\_nameCoRoT-20 c NaN  
## pl\_nameCoRoT-21 b NaN  
## pl\_nameCoRoT-22 b NaN  
## pl\_nameCoRoT-23 b NaN  
## pl\_nameCoRoT-24 b NaN  
## pl\_nameCoRoT-24 c NaN  
## pl\_nameCoRoT-25 b NaN  
## pl\_nameCoRoT-26 b NaN  
## pl\_nameCoRoT-27 b NaN  
## pl\_nameCoRoT-28 b NaN  
## pl\_nameCoRoT-29 b NaN  
## pl\_nameCoRoT-3 b NaN  
## pl\_nameCoRoT-30 b NaN  
## pl\_nameCoRoT-31 b NaN  
## pl\_nameCoRoT-35 b NaN  
## pl\_nameCoRoT-36 b NaN  
## pl\_nameCoRoT-4 b NaN  
## pl\_nameCoRoT-5 b NaN  
## pl\_nameCoRoT-6 b NaN  
## pl\_nameCoRoT-7 b NaN  
## pl\_nameCoRoT-7 c NaN  
## pl\_nameCoRoT-8 b NaN  
## pl\_nameCoRoT-9 b NaN  
## pl\_nameDE CVn b NaN  
## pl\_nameDMPP-1 b NaN  
## pl\_nameDMPP-1 c NaN  
## pl\_nameDMPP-1 d NaN  
## pl\_nameDMPP-1 e NaN  
## pl\_nameDMPP-2 b NaN  
## pl\_nameDMPP-4 b NaN  
## pl\_nameEPIC 201170410.02 NaN  
## pl\_nameEPIC 211822797 b NaN  
## pl\_nameEPIC 211945201 b NaN  
## pl\_nameEPIC 212737443 b NaN  
## pl\_nameEPIC 212737443 c NaN  
## pl\_nameEPIC 220674823 b NaN  
## pl\_nameEPIC 220674823 c NaN  
## pl\_nameEPIC 229004835 b NaN  
## pl\_nameEPIC 249893012 b NaN  
## pl\_nameEPIC 249893012 c NaN  
## pl\_nameEPIC 249893012 d NaN  
## pl\_nameeps CrB b NaN  
## pl\_nameeps Eri b NaN  
## pl\_nameeps Ind A b NaN  
## pl\_nameeps Tau b NaN  
## pl\_namegam Cep b NaN  
## pl\_namegam Lib b NaN  
## pl\_namegam Lib c NaN  
## pl\_namegam Psc b NaN  
## pl\_nameGJ 1061 b NaN  
## pl\_nameGJ 1061 c NaN  
## pl\_nameGJ 1061 d NaN  
## pl\_nameGJ 1132 b NaN  
## pl\_nameGJ 1132 c NaN  
## pl\_nameGJ 1148 b NaN  
## pl\_nameGJ 1148 c NaN  
## pl\_nameGJ 1214 b NaN  
## pl\_nameGJ 1252 b NaN  
## pl\_nameGJ 1265 b NaN  
## pl\_nameGJ 143 b NaN  
## pl\_nameGJ 15 A b NaN  
## pl\_nameGJ 15 A c NaN  
## pl\_nameGJ 160.2 b NaN  
## pl\_nameGJ 163 b NaN  
## pl\_nameGJ 163 c NaN  
## pl\_nameGJ 163 d NaN  
## pl\_nameGJ 179 b NaN  
## pl\_nameGJ 180 b NaN  
## pl\_nameGJ 180 c NaN  
## pl\_nameGJ 180 d NaN  
## pl\_nameGJ 2030 b NaN  
## pl\_nameGJ 2030 c NaN  
## pl\_nameGJ 2056 b NaN  
## pl\_nameGJ 229 A c NaN  
## pl\_nameGJ 229 b NaN  
## pl\_nameGJ 251 b NaN  
## pl\_nameGJ 27.1 b NaN  
## pl\_nameGJ 3021 b NaN  
## pl\_nameGJ 3082 b NaN  
## pl\_nameGJ 3090 b NaN  
## pl\_nameGJ 3138 b NaN  
## pl\_nameGJ 3138 c NaN  
## pl\_nameGJ 3138 d NaN  
## pl\_nameGJ 317 b NaN  
## pl\_nameGJ 317 c NaN  
## pl\_nameGJ 328 b NaN  
## pl\_nameGJ 3293 b NaN  
## pl\_nameGJ 3293 c NaN  
## pl\_nameGJ 3293 d NaN  
## pl\_nameGJ 3293 e NaN  
## pl\_nameGJ 3341 b NaN  
## pl\_nameGJ 338 B b NaN  
## pl\_nameGJ 3470 b NaN  
## pl\_nameGJ 3473 b NaN  
## pl\_nameGJ 3473 c NaN  
## pl\_nameGJ 3512 b NaN  
## pl\_nameGJ 3512 c NaN  
## pl\_nameGJ 3634 b NaN  
## pl\_nameGJ 367 b NaN  
## pl\_nameGJ 3779 b NaN  
## pl\_nameGJ 3929 b NaN  
## pl\_nameGJ 3929 c NaN  
## pl\_nameGJ 3942 b NaN  
## pl\_nameGJ 3998 b NaN  
## pl\_nameGJ 3998 c NaN  
## pl\_nameGJ 414 A b NaN  
## pl\_nameGJ 414 A c NaN  
## pl\_nameGJ 422 b NaN  
## pl\_nameGJ 4276 b NaN  
## pl\_nameGJ 433 b NaN  
## pl\_nameGJ 433 c NaN  
## pl\_nameGJ 433 d NaN  
## pl\_nameGJ 436 b NaN  
## pl\_nameGJ 463 b NaN  
## pl\_nameGJ 480 b NaN  
## pl\_nameGJ 486 b NaN  
## pl\_nameGJ 514 b NaN  
## pl\_nameGJ 536 b NaN  
## pl\_nameGJ 581 b NaN  
## pl\_nameGJ 581 c NaN  
## pl\_nameGJ 581 e NaN  
## pl\_nameGJ 625 b NaN  
## pl\_nameGJ 649 b NaN  
## pl\_nameGJ 667 C b NaN  
## pl\_nameGJ 667 C c NaN  
## pl\_nameGJ 667 C e NaN  
## pl\_nameGJ 667 C f NaN  
## pl\_nameGJ 667 C g NaN  
## pl\_nameGJ 674 b NaN  
## pl\_nameGJ 676 A b NaN  
## pl\_nameGJ 676 A c NaN  
## pl\_nameGJ 676 A d NaN  
## pl\_nameGJ 676 A e NaN  
## pl\_nameGJ 680 b NaN  
## pl\_nameGJ 682 b NaN  
## pl\_nameGJ 682 c NaN  
## pl\_nameGJ 685 b NaN  
## pl\_nameGJ 687 b NaN  
## pl\_nameGJ 687 c NaN  
## pl\_nameGJ 720 A b NaN  
## pl\_nameGJ 740 b NaN  
## pl\_nameGJ 832 b NaN  
## pl\_nameGJ 849 b NaN  
## pl\_nameGJ 849 c NaN  
## pl\_nameGJ 86 b NaN  
## pl\_nameGJ 876 b NaN  
## pl\_nameGJ 876 c NaN  
## pl\_nameGJ 876 d NaN  
## pl\_nameGJ 876 e NaN  
## pl\_nameGJ 887 b NaN  
## pl\_nameGJ 896 A b NaN  
## pl\_nameGJ 9066 c NaN  
## pl\_nameGJ 9404 b NaN  
## pl\_nameGJ 96 b NaN  
## pl\_nameGJ 9689 b NaN  
## pl\_nameGJ 9714 b NaN  
## pl\_nameGJ 9827 b NaN  
## pl\_nameGJ 9827 c NaN  
## pl\_nameGJ 9827 d NaN  
## pl\_nameGl 378 b NaN  
## pl\_nameGl 49 b NaN  
## pl\_nameGl 686 b NaN  
## pl\_nameGPX-1 b NaN  
## pl\_nameHAT-P-1 b NaN  
## pl\_nameHAT-P-11 b NaN  
## pl\_nameHAT-P-11 c NaN  
## pl\_nameHAT-P-12 b NaN  
## pl\_nameHAT-P-13 b NaN  
## pl\_nameHAT-P-13 c NaN  
## pl\_nameHAT-P-14 b NaN  
## pl\_nameHAT-P-15 b NaN  
## pl\_nameHAT-P-16 b NaN  
## pl\_nameHAT-P-17 b NaN  
## pl\_nameHAT-P-17 c NaN  
## pl\_nameHAT-P-18 b NaN  
## pl\_nameHAT-P-19 b NaN  
## pl\_nameHAT-P-2 b NaN  
## pl\_nameHAT-P-20 b NaN  
## pl\_nameHAT-P-21 b NaN  
## pl\_nameHAT-P-22 b NaN  
## pl\_nameHAT-P-23 b NaN  
## pl\_nameHAT-P-24 b NaN  
## pl\_nameHAT-P-25 b NaN  
## pl\_nameHAT-P-26 b NaN  
## pl\_nameHAT-P-27 b NaN  
## pl\_nameHAT-P-28 b NaN  
## pl\_nameHAT-P-29 b NaN  
## pl\_nameHAT-P-3 b NaN  
## pl\_nameHAT-P-30 b NaN  
## pl\_nameHAT-P-31 b NaN  
## pl\_nameHAT-P-32 b NaN  
## pl\_nameHAT-P-33 b NaN  
## pl\_nameHAT-P-34 b NaN  
## pl\_nameHAT-P-35 b NaN  
## pl\_nameHAT-P-36 b NaN  
## pl\_nameHAT-P-37 b NaN  
## pl\_nameHAT-P-38 b NaN  
## pl\_nameHAT-P-39 b NaN  
## pl\_nameHAT-P-4 b NaN  
## pl\_nameHAT-P-40 b NaN  
## pl\_nameHAT-P-41 b NaN  
## pl\_nameHAT-P-42 b NaN  
## pl\_nameHAT-P-43 b NaN  
## pl\_nameHAT-P-44 b NaN  
## pl\_nameHAT-P-44 c NaN  
## pl\_nameHAT-P-45 b NaN  
## pl\_nameHAT-P-46 b NaN  
## pl\_nameHAT-P-49 b NaN  
## pl\_nameHAT-P-5 b NaN  
## pl\_nameHAT-P-50 b NaN  
## pl\_nameHAT-P-51 b NaN  
## pl\_nameHAT-P-52 b NaN  
## pl\_nameHAT-P-53 b NaN  
## pl\_nameHAT-P-54 b NaN  
## pl\_nameHAT-P-55 b NaN  
## pl\_nameHAT-P-56 b NaN  
## pl\_nameHAT-P-57 b NaN  
## pl\_nameHAT-P-58 b NaN  
## pl\_nameHAT-P-59 b NaN  
## pl\_nameHAT-P-6 b NaN  
## pl\_nameHAT-P-60 b NaN  
## pl\_nameHAT-P-61 b NaN  
## pl\_nameHAT-P-62 b NaN  
## pl\_nameHAT-P-64 b NaN  
## pl\_nameHAT-P-65 b NaN  
## pl\_nameHAT-P-66 b NaN  
## pl\_nameHAT-P-67 b NaN  
## pl\_nameHAT-P-68 b NaN  
## pl\_nameHAT-P-69 b NaN  
## pl\_nameHAT-P-7 b NaN  
## pl\_nameHAT-P-70 b NaN  
## pl\_nameHAT-P-8 b NaN  
## pl\_nameHAT-P-9 b NaN  
## pl\_nameHATS-1 b NaN  
## pl\_nameHATS-10 b NaN  
## pl\_nameHATS-11 b NaN  
## pl\_nameHATS-12 b NaN  
## pl\_nameHATS-13 b NaN  
## pl\_nameHATS-14 b NaN  
## pl\_nameHATS-15 b NaN  
## pl\_nameHATS-16 b NaN  
## pl\_nameHATS-17 b NaN  
## pl\_nameHATS-18 b NaN  
## pl\_nameHATS-2 b NaN  
## pl\_nameHATS-22 b NaN  
## pl\_nameHATS-23 b NaN  
## pl\_nameHATS-24 b NaN  
## pl\_nameHATS-25 b NaN  
## pl\_nameHATS-26 b NaN  
## pl\_nameHATS-27 b NaN  
## pl\_nameHATS-28 b NaN  
## pl\_nameHATS-29 b NaN  
## pl\_nameHATS-3 b NaN  
## pl\_nameHATS-30 b NaN  
## pl\_nameHATS-31 b NaN  
## pl\_nameHATS-32 b NaN  
## pl\_nameHATS-33 b NaN  
## pl\_nameHATS-34 b NaN  
## pl\_nameHATS-35 b NaN  
## pl\_nameHATS-36 b NaN  
## pl\_nameHATS-37 A b NaN  
## pl\_nameHATS-38 b NaN  
## pl\_nameHATS-39 b NaN  
## pl\_nameHATS-4 b NaN  
## pl\_nameHATS-40 b NaN  
## pl\_nameHATS-41 b NaN  
## pl\_nameHATS-42 b NaN  
## pl\_nameHATS-43 b NaN  
## pl\_nameHATS-44 b NaN  
## pl\_nameHATS-45 b NaN  
## pl\_nameHATS-46 b NaN  
## pl\_nameHATS-47 b NaN  
## pl\_nameHATS-48 A b NaN  
## pl\_nameHATS-49 b NaN  
## pl\_nameHATS-5 b NaN  
## pl\_nameHATS-50 b NaN  
## pl\_nameHATS-51 b NaN  
## pl\_nameHATS-52 b NaN  
## pl\_nameHATS-53 b NaN  
## pl\_nameHATS-54 b NaN  
## pl\_nameHATS-55 b NaN  
## pl\_nameHATS-56 b NaN  
## pl\_nameHATS-57 b NaN  
## pl\_nameHATS-58 A b NaN  
## pl\_nameHATS-59 b NaN  
## pl\_nameHATS-59 c NaN  
## pl\_nameHATS-6 b NaN  
## pl\_nameHATS-60 b NaN  
## pl\_nameHATS-61 b NaN  
## pl\_nameHATS-62 b NaN  
## pl\_nameHATS-63 b NaN  
## pl\_nameHATS-64 b NaN  
## pl\_nameHATS-65 b NaN  
## pl\_nameHATS-66 b NaN  
## pl\_nameHATS-67 b NaN  
## pl\_nameHATS-68 b NaN  
## pl\_nameHATS-69 b NaN  
## pl\_nameHATS-7 b NaN  
## pl\_nameHATS-70 b NaN  
## pl\_nameHATS-71 b NaN  
## pl\_nameHATS-72 b NaN  
## pl\_nameHATS-74 A b NaN  
## pl\_nameHATS-75 b NaN  
## pl\_nameHATS-76 b NaN  
## pl\_nameHATS-77 b NaN  
## pl\_nameHATS-8 b NaN  
## pl\_nameHATS-9 b NaN  
## pl\_nameHD 100655 b NaN  
## pl\_nameHD 100777 b NaN  
## pl\_nameHD 10180 c NaN  
## pl\_nameHD 10180 d NaN  
## pl\_nameHD 10180 e NaN  
## pl\_nameHD 10180 f NaN  
## pl\_nameHD 10180 g NaN  
## pl\_nameHD 10180 h NaN  
## pl\_nameHD 101930 b NaN  
## pl\_nameHD 102117 b NaN  
## pl\_nameHD 102195 b NaN  
## pl\_nameHD 102272 b NaN  
## pl\_nameHD 102329 b NaN  
## pl\_nameHD 102365 b NaN  
## pl\_nameHD 102843 b NaN  
## pl\_nameHD 102956 b NaN  
## pl\_nameHD 103197 b NaN  
## pl\_nameHD 103720 b NaN  
## pl\_nameHD 103774 b NaN  
## pl\_nameHD 103891 b NaN  
## pl\_nameHD 103949 b NaN  
## pl\_nameHD 104067 b NaN  
## pl\_nameHD 10442 b NaN  
## pl\_nameHD 104985 b NaN  
## pl\_nameHD 105618 b NaN  
## pl\_nameHD 105618 c NaN  
## pl\_nameHD 105779 b NaN  
## pl\_nameHD 106252 b NaN  
## pl\_nameHD 106270 b NaN  
## pl\_nameHD 106315 b NaN  
## pl\_nameHD 106315 c NaN  
## pl\_nameHD 10647 b NaN  
## pl\_nameHD 106515 A b NaN  
## pl\_nameHD 10697 b NaN  
## pl\_nameHD 107148 b NaN  
## pl\_nameHD 107148 c NaN  
## pl\_nameHD 108147 b NaN  
## pl\_nameHD 108202 b NaN  
## pl\_nameHD 108236 b NaN  
## pl\_nameHD 108236 c NaN  
## pl\_nameHD 108236 d NaN  
## pl\_nameHD 108236 e NaN  
## pl\_nameHD 108236 f NaN  
## pl\_nameHD 108341 b NaN  
## pl\_nameHD 108863 b NaN  
## pl\_nameHD 108874 b NaN  
## pl\_nameHD 108874 c NaN  
## pl\_nameHD 109246 b NaN  
## pl\_nameHD 109271 b NaN  
## pl\_nameHD 109271 c NaN  
## pl\_nameHD 109286 b NaN  
## pl\_nameHD 109749 b NaN  
## pl\_nameHD 10975 b NaN  
## pl\_nameHD 109988 b NaN  
## pl\_nameHD 110014 b NaN  
## pl\_nameHD 110082 b NaN  
## pl\_nameHD 110113 b NaN  
## pl\_nameHD 110113 c NaN  
## pl\_nameHD 110537 b NaN  
## pl\_nameHD 11112 b NaN  
## pl\_nameHD 111232 b NaN  
## pl\_nameHD 111232 c NaN  
## pl\_nameHD 111998 b NaN  
## pl\_nameHD 112300 b NaN  
## pl\_nameHD 112640 b NaN  
## pl\_nameHD 113337 b NaN  
## pl\_nameHD 113337 c NaN  
## pl\_nameHD 11343 c NaN  
## pl\_nameHD 113538 b NaN  
## pl\_nameHD 113538 c NaN  
## pl\_nameHD 113996 b NaN  
## pl\_nameHD 114082 b NaN  
## pl\_nameHD 114386 b NaN  
## pl\_nameHD 114613 b NaN  
## pl\_nameHD 114729 b NaN  
## pl\_nameHD 114783 b NaN  
## pl\_nameHD 114783 c NaN  
## pl\_nameHD 11505 b NaN  
## pl\_nameHD 11506 b NaN  
## pl\_nameHD 11506 c NaN  
## pl\_nameHD 11506 d NaN  
## pl\_nameHD 115404 A b NaN  
## pl\_nameHD 115404 A c NaN  
## pl\_nameHD 115954 b NaN  
## pl\_nameHD 116029 b NaN  
## pl\_nameHD 117207 b NaN  
## pl\_nameHD 11755 b NaN  
## pl\_nameHD 117618 b NaN  
## pl\_nameHD 118203 b NaN  
## pl\_nameHD 11964 b NaN  
## pl\_nameHD 11964 c NaN  
## pl\_nameHD 11977 b NaN  
## pl\_nameHD 120084 b NaN  
## pl\_nameHD 121504 b NaN  
## pl\_nameHD 12235 b NaN  
## pl\_nameHD 12235 c NaN  
## pl\_nameHD 124330 b NaN  
## pl\_nameHD 12484 b NaN  
## pl\_nameHD 125271 b NaN  
## pl\_nameHD 125390 b NaN  
## pl\_nameHD 125595 b NaN  
## pl\_nameHD 125612 b NaN  
## pl\_nameHD 125612 c NaN  
## pl\_nameHD 125612 d NaN  
## pl\_nameHD 12648 b NaN  
## pl\_nameHD 126525 b NaN  
## pl\_nameHD 12661 b NaN  
## pl\_nameHD 12661 c NaN  
## pl\_nameHD 126614 b NaN  
## pl\_nameHD 127506 b NaN  
## pl\_nameHD 128311 b NaN  
## pl\_nameHD 128311 c NaN  
## pl\_nameHD 128356 b NaN  
## pl\_nameHD 129445 b NaN  
## pl\_nameHD 130322 b NaN  
## pl\_nameHD 131496 b NaN  
## pl\_nameHD 13167 b NaN  
## pl\_nameHD 13189 b NaN  
## pl\_nameHD 132406 b NaN  
## pl\_nameHD 132563 b NaN  
## pl\_nameHD 133131 A b NaN  
## pl\_nameHD 133131 A c NaN  
## pl\_nameHD 133131 B b NaN  
## pl\_nameHD 134060 b NaN  
## pl\_nameHD 134060 c NaN  
## pl\_nameHD 134987 b NaN  
## pl\_nameHD 134987 c NaN  
## pl\_nameHD 135625 b NaN  
## pl\_nameHD 136118 b NaN  
## pl\_nameHD 136352 b NaN  
## pl\_nameHD 136352 c NaN  
## pl\_nameHD 136352 d NaN  
## pl\_nameHD 136925 b NaN  
## pl\_nameHD 13724 c NaN  
## pl\_nameHD 137388 b NaN  
## pl\_nameHD 137496 b NaN  
## pl\_nameHD 137496 c NaN  
## pl\_nameHD 13808 b NaN  
## pl\_nameHD 13808 c NaN  
## pl\_nameHD 13908 b NaN  
## pl\_nameHD 13908 c NaN  
## pl\_nameHD 13931 b NaN  
## pl\_nameHD 139357 b NaN  
## pl\_nameHD 1397 b NaN  
## pl\_nameHD 14067 b NaN  
## pl\_nameHD 140901 b NaN  
## pl\_nameHD 140901 c NaN  
## pl\_nameHD 141004 b NaN  
## pl\_nameHD 141399 b NaN  
## pl\_nameHD 141399 c NaN  
## pl\_nameHD 141399 d NaN  
## pl\_nameHD 141399 e NaN  
## pl\_nameHD 141937 b NaN  
## pl\_nameHD 142 A d NaN  
## pl\_nameHD 142 b NaN  
## pl\_nameHD 142 c NaN  
## pl\_nameHD 142022 A b NaN  
## pl\_nameHD 142245 b NaN  
## pl\_nameHD 142415 b NaN  
## pl\_nameHD 143105 b NaN  
## pl\_nameHD 143361 b NaN  
## pl\_nameHD 144899 b NaN  
## pl\_nameHD 145377 b NaN  
## pl\_nameHD 145457 b NaN  
## pl\_nameHD 145675 c NaN  
## pl\_nameHD 145934 b NaN  
## pl\_nameHD 1461 b NaN  
## pl\_nameHD 1461 c NaN  
## pl\_nameHD 147018 b NaN  
## pl\_nameHD 147018 c NaN  
## pl\_nameHD 147379 b NaN  
## pl\_nameHD 147513 b NaN  
## pl\_nameHD 14787 b NaN  
## pl\_nameHD 147873 b NaN  
## pl\_nameHD 147873 c NaN  
## pl\_nameHD 148156 b NaN  
## pl\_nameHD 148164 b NaN  
## pl\_nameHD 148164 c NaN  
## pl\_nameHD 148427 b NaN  
## pl\_nameHD 149026 b NaN  
## pl\_nameHD 149143 b NaN  
## pl\_nameHD 149806 b NaN  
## pl\_nameHD 150010 b NaN  
## pl\_nameHD 1502 b NaN  
## pl\_nameHD 150706 b NaN  
## pl\_nameHD 151450 b NaN  
## pl\_nameHD 151450 c NaN  
## pl\_nameHD 152079 b NaN  
## pl\_nameHD 152581 b NaN  
## pl\_nameHD 152843 b NaN  
## pl\_nameHD 15337 b NaN  
## pl\_nameHD 15337 c NaN  
## pl\_nameHD 153557 b NaN  
## pl\_nameHD 153557 c NaN  
## pl\_nameHD 153557 d NaN  
## pl\_nameHD 153950 b NaN  
## pl\_nameHD 154088 b NaN  
## pl\_nameHD 154345 b NaN  
## pl\_nameHD 154672 b NaN  
## pl\_nameHD 154857 b NaN  
## pl\_nameHD 154857 c NaN  
## pl\_nameHD 155193 b NaN  
## pl\_nameHD 155358 b NaN  
## pl\_nameHD 155358 c NaN  
## pl\_nameHD 155918 b NaN  
## pl\_nameHD 155918 c NaN  
## pl\_nameHD 156098 b NaN  
## pl\_nameHD 156098 c NaN  
## pl\_nameHD 156279 b NaN  
## pl\_nameHD 156279 c NaN  
## pl\_nameHD 156411 b NaN  
## pl\_nameHD 156668 b NaN  
## pl\_nameHD 156668 c NaN  
## pl\_nameHD 156846 b NaN  
## pl\_nameHD 158038 b NaN  
## pl\_nameHD 158996 b NaN  
## pl\_nameHD 15906 b NaN  
## pl\_nameHD 15906 c NaN  
## pl\_nameHD 159243 b NaN  
## pl\_nameHD 159243 c NaN  
## pl\_nameHD 159868 b NaN  
## pl\_nameHD 159868 c NaN  
## pl\_nameHD 1605 b NaN  
## pl\_nameHD 1605 c NaN  
## pl\_nameHD 160691 d NaN  
## pl\_nameHD 161178 b NaN  
## pl\_nameHD 16141 b NaN  
## pl\_nameHD 16175 b NaN  
## pl\_nameHD 162020 b NaN  
## pl\_nameHD 163607 b NaN  
## pl\_nameHD 163607 c NaN  
## pl\_nameHD 16417 b NaN  
## pl\_nameHD 164509 b NaN  
## pl\_nameHD 164595 b NaN  
## pl\_nameHD 164604 b NaN  
## pl\_nameHD 164922 b NaN  
## pl\_nameHD 164922 c NaN  
## pl\_nameHD 164922 d NaN  
## pl\_nameHD 164922 e NaN  
## pl\_nameHD 165131 b NaN  
## pl\_nameHD 165155 b NaN  
## pl\_nameHD 1666 b NaN  
## pl\_nameHD 166724 b NaN  
## pl\_nameHD 167042 b NaN  
## pl\_nameHD 167677 b NaN  
## pl\_nameHD 167768 b NaN  
## pl\_nameHD 168009 b NaN  
## pl\_nameHD 168443 b NaN  
## pl\_nameHD 168443 c NaN  
## pl\_nameHD 168746 b NaN  
## pl\_nameHD 168863 b NaN  
## pl\_nameHD 1690 b NaN  
## pl\_nameHD 16905 b NaN  
## pl\_nameHD 169830 b NaN  
## pl\_nameHD 169830 c NaN  
## pl\_nameHD 170469 b NaN  
## pl\_nameHD 17092 b NaN  
## pl\_nameHD 171028 b NaN  
## pl\_nameHD 171238 b NaN  
## pl\_nameHD 17156 b NaN  
## pl\_nameHD 173416 b NaN  
## pl\_nameHD 174205 b NaN  
## pl\_nameHD 175167 b NaN  
## pl\_nameHD 175541 b NaN  
## pl\_nameHD 17674 b NaN  
## pl\_nameHD 176986 b NaN  
## pl\_nameHD 176986 c NaN  
## pl\_nameHD 177565 b NaN  
## pl\_nameHD 177830 b NaN  
## pl\_nameHD 177830 c NaN  
## pl\_nameHD 178911 B b NaN  
## pl\_nameHD 179079 b NaN  
## pl\_nameHD 179949 b NaN  
## pl\_nameHD 180053 b NaN  
## pl\_nameHD 18015 b NaN  
## pl\_nameHD 180314 b NaN  
## pl\_nameHD 180617 b NaN  
## pl\_nameHD 180902 b NaN  
## pl\_nameHD 181234 b NaN  
## pl\_nameHD 181342 b NaN  
## pl\_nameHD 18143 b NaN  
## pl\_nameHD 18143 c NaN  
## pl\_nameHD 181433 b NaN  
## pl\_nameHD 181433 c NaN  
## pl\_nameHD 181433 d NaN  
## pl\_nameHD 181720 b NaN  
## pl\_nameHD 183263 b NaN  
## pl\_nameHD 183263 c NaN  
## pl\_nameHD 183579 b NaN  
## pl\_nameHD 184010 b NaN  
## pl\_nameHD 184010 c NaN  
## pl\_nameHD 184010 d NaN  
## pl\_nameHD 18438 b NaN  
## pl\_nameHD 185269 b NaN  
## pl\_nameHD 185283 b NaN  
## pl\_nameHD 18599 b NaN  
## pl\_nameHD 187085 b NaN  
## pl\_nameHD 187123 b NaN  
## pl\_nameHD 187123 c NaN  
## pl\_nameHD 18742 b NaN  
## pl\_nameHD 188015 b NaN  
## pl\_nameHD 188641 b NaN  
## pl\_nameHD 189567 b NaN  
## pl\_nameHD 189567 c NaN  
## pl\_nameHD 189733 b NaN  
## pl\_nameHD 190007 b NaN  
## pl\_nameHD 190228 b NaN  
## pl\_nameHD 190360 b NaN  
## pl\_nameHD 190360 c NaN  
## pl\_nameHD 190647 b NaN  
## pl\_nameHD 190984 b NaN  
## pl\_nameHD 191806 b NaN  
## pl\_nameHD 191939 b NaN  
## pl\_nameHD 191939 c NaN  
## pl\_nameHD 191939 d NaN  
## pl\_nameHD 191939 e NaN  
## pl\_nameHD 191939 f NaN  
## pl\_nameHD 191939 g NaN  
## pl\_nameHD 192263 b NaN  
## pl\_nameHD 192310 b NaN  
## pl\_nameHD 192310 c NaN  
## pl\_nameHD 192699 b NaN  
## pl\_nameHD 194490 b NaN  
## pl\_nameHD 195019 b NaN  
## pl\_nameHD 196050 b NaN  
## pl\_nameHD 196067 b NaN  
## pl\_nameHD 19615 b NaN  
## pl\_nameHD 196885 A b NaN  
## pl\_nameHD 197037 b NaN  
## pl\_nameHD 199509 b NaN  
## pl\_nameHD 19994 b NaN  
## pl\_nameHD 20003 b NaN  
## pl\_nameHD 20003 c NaN  
## pl\_nameHD 200964 b NaN  
## pl\_nameHD 200964 c NaN  
## pl\_nameHD 202206 c NaN  
## pl\_nameHD 202772 A b NaN  
## pl\_nameHD 20329 b NaN  
## pl\_nameHD 2039 b NaN  
## pl\_nameHD 204313 b NaN  
## pl\_nameHD 204313 c NaN  
## pl\_nameHD 204313 e NaN  
## pl\_nameHD 204941 b NaN  
## pl\_nameHD 205158 b NaN  
## pl\_nameHD 205739 b NaN  
## pl\_nameHD 206255 b NaN  
## pl\_nameHD 206610 b NaN  
## pl\_nameHD 206893 b NaN  
## pl\_nameHD 206893 c NaN  
## pl\_nameHD 207496 b NaN  
## pl\_nameHD 20781 b NaN  
## pl\_nameHD 20781 c NaN  
## pl\_nameHD 20781 d NaN  
## pl\_nameHD 20781 e NaN  
## pl\_nameHD 20782 b NaN  
## pl\_nameHD 207832 b NaN  
## pl\_nameHD 207832 c NaN  
## pl\_nameHD 207897 b NaN  
## pl\_nameHD 20794 b NaN  
## pl\_nameHD 20794 c NaN  
## pl\_nameHD 20794 d NaN  
## pl\_nameHD 20794 e NaN  
## pl\_nameHD 208487 b NaN  
## pl\_nameHD 208527 b NaN  
## pl\_nameHD 20868 b NaN  
## pl\_nameHD 208897 b NaN  
## pl\_nameHD 209458 b NaN  
## pl\_nameHD 210193 b NaN  
## pl\_nameHD 210277 b NaN  
## pl\_nameHD 210702 b NaN  
## pl\_nameHD 211403 b NaN  
## pl\_nameHD 211810 b NaN  
## pl\_nameHD 211970 b NaN  
## pl\_nameHD 212301 b NaN  
## pl\_nameHD 212771 b NaN  
## pl\_nameHD 213240 b NaN  
## pl\_nameHD 213472 b NaN  
## pl\_nameHD 213519 b NaN  
## pl\_nameHD 213885 b NaN  
## pl\_nameHD 213885 c NaN  
## pl\_nameHD 21411 b NaN  
## pl\_nameHD 214823 b NaN  
## pl\_nameHD 215152 b NaN  
## pl\_nameHD 215152 c NaN  
## pl\_nameHD 215152 d NaN  
## pl\_nameHD 215152 e NaN  
## pl\_nameHD 215497 b NaN  
## pl\_nameHD 215497 c NaN  
## pl\_nameHD 216435 b NaN  
## pl\_nameHD 216437 b NaN  
## pl\_nameHD 216520 b NaN  
## pl\_nameHD 216520 c NaN  
## pl\_nameHD 216536 b NaN  
## pl\_nameHD 216770 b NaN  
## pl\_nameHD 21693 b NaN  
## pl\_nameHD 21693 c NaN  
## pl\_nameHD 217107 b NaN  
## pl\_nameHD 217107 c NaN  
## pl\_nameHD 217786 b NaN  
## pl\_nameHD 217786 c NaN  
## pl\_nameHD 217958 b NaN  
## pl\_nameHD 218566 b NaN  
## pl\_nameHD 219077 b NaN  
## pl\_nameHD 219134 b NaN  
## pl\_nameHD 219134 c NaN  
## pl\_nameHD 219134 g NaN  
## pl\_nameHD 219134 h NaN  
## pl\_nameHD 219139 b NaN  
## pl\_nameHD 219415 b NaN  
## pl\_nameHD 219666 b NaN  
## pl\_nameHD 219828 b NaN  
## pl\_nameHD 219828 c NaN  
## pl\_nameHD 220074 b NaN  
## pl\_nameHD 220197 b NaN  
## pl\_nameHD 220689 b NaN  
## pl\_nameHD 220773 b NaN  
## pl\_nameHD 220842 b NaN  
## pl\_nameHD 221287 b NaN  
## pl\_nameHD 221416 b NaN  
## pl\_nameHD 221420 b NaN  
## pl\_nameHD 221585 b NaN  
## pl\_nameHD 222076 b NaN  
## pl\_nameHD 222155 b NaN  
## pl\_nameHD 222582 b NaN  
## pl\_nameHD 224538 b NaN  
## pl\_nameHD 224693 b NaN  
## pl\_nameHD 22532 b NaN  
## pl\_nameHD 22781 b NaN  
## pl\_nameHD 23079 b NaN  
## pl\_nameHD 23127 b NaN  
## pl\_nameHD 231701 b NaN  
## pl\_nameHD 233604 b NaN  
## pl\_nameHD 233832 b NaN  
## pl\_nameHD 23472 b NaN  
## pl\_nameHD 23472 c NaN  
## pl\_nameHD 23472 d NaN  
## pl\_nameHD 23472 e NaN  
## pl\_nameHD 23472 f NaN  
## pl\_nameHD 23596 b NaN  
## pl\_nameHD 238090 b NaN  
## pl\_nameHD 238914 b NaN  
## pl\_nameHD 240210 b NaN  
## pl\_nameHD 240237 b NaN  
## pl\_nameHD 24040 b NaN  
## pl\_nameHD 24040 c NaN  
## pl\_nameHD 24064 b NaN  
## pl\_nameHD 24085 b NaN  
## pl\_nameHD 25015 b NaN  
## pl\_nameHD 25171 b NaN  
## pl\_nameHD 25723 b NaN  
## pl\_nameHD 25912 b NaN  
## pl\_nameHD 25912 c NaN  
## pl\_nameHD 260655 b NaN  
## pl\_nameHD 260655 c NaN  
## pl\_nameHD 26161 b NaN  
## pl\_nameHD 2638 b NaN  
## pl\_nameHD 2685 b NaN  
## pl\_nameHD 27442 b NaN  
## pl\_nameHD 27631 b NaN  
## pl\_nameHD 27894 b NaN  
## pl\_nameHD 27894 c NaN  
## pl\_nameHD 27894 d NaN  
## pl\_nameHD 27969 b NaN  
## pl\_nameHD 28109 b NaN  
## pl\_nameHD 28109 c NaN  
## pl\_nameHD 28109 d NaN  
## pl\_nameHD 28185 b NaN  
## pl\_nameHD 28185 c NaN  
## pl\_nameHD 28192 b NaN  
## pl\_nameHD 28254 b NaN  
## pl\_nameHD 285507 b NaN  
## pl\_nameHD 285968 b NaN  
## pl\_nameHD 28678 b NaN  
## pl\_nameHD 29021 b NaN  
## pl\_nameHD 290327 b NaN  
## pl\_nameHD 29399 b NaN  
## pl\_nameHD 2952 b NaN  
## pl\_nameHD 29985 b NaN  
## pl\_nameHD 30177 b NaN  
## pl\_nameHD 30177 c NaN  
## pl\_nameHD 30562 b NaN  
## pl\_nameHD 30669 b NaN  
## pl\_nameHD 30856 b NaN  
## pl\_nameHD 31253 b NaN  
## pl\_nameHD 31527 b NaN  
## pl\_nameHD 31527 c NaN  
## pl\_nameHD 31527 d NaN  
## pl\_nameHD 3167 b NaN  
## pl\_nameHD 3167 c NaN  
## pl\_nameHD 3167 d NaN  
## pl\_nameHD 3167 e NaN  
## pl\_nameHD 32518 b NaN  
## pl\_nameHD 32963 b NaN  
## pl\_nameHD 330075 b NaN  
## pl\_nameHD 331093 b NaN  
## pl\_nameHD 33142 b NaN  
## pl\_nameHD 33142 c NaN  
## pl\_nameHD 33142 d NaN  
## pl\_nameHD 332231 b NaN  
## pl\_nameHD 33283 b NaN  
## pl\_nameHD 33564 b NaN  
## pl\_nameHD 33844 b NaN  
## pl\_nameHD 33844 c NaN  
## pl\_nameHD 34445 b NaN  
## pl\_nameHD 34445 c NaN  
## pl\_nameHD 34445 d NaN  
## pl\_nameHD 34445 e NaN  
## pl\_nameHD 34445 f NaN  
## pl\_nameHD 34445 g NaN  
## pl\_nameHD 35759 b NaN  
## pl\_nameHD 360 b NaN  
## pl\_nameHD 36384 b NaN  
## pl\_nameHD 3651 b NaN  
## pl\_nameHD 37124 b NaN  
## pl\_nameHD 37124 c NaN  
## pl\_nameHD 37124 d NaN  
## pl\_nameHD 37605 b NaN  
## pl\_nameHD 37605 c NaN  
## pl\_nameHD 3765 b NaN  
## pl\_nameHD 38283 b NaN  
## pl\_nameHD 38529 b NaN  
## pl\_nameHD 38529 c NaN  
## pl\_nameHD 38801 b NaN  
## pl\_nameHD 39091 b NaN  
## pl\_nameHD 39194 b NaN  
## pl\_nameHD 39194 c NaN  
## pl\_nameHD 39194 d NaN  
## pl\_nameHD 39855 b NaN  
## pl\_nameHD 40307 b NaN  
## pl\_nameHD 40307 c NaN  
## pl\_nameHD 40307 d NaN  
## pl\_nameHD 40307 f NaN  
## pl\_nameHD 40307 g NaN  
## pl\_nameHD 40956 b NaN  
## pl\_nameHD 40979 b NaN  
## pl\_nameHD 4113 b NaN  
## pl\_nameHD 42012 b NaN  
## pl\_nameHD 4203 b NaN  
## pl\_nameHD 4203 c NaN  
## pl\_nameHD 4208 b NaN  
## pl\_nameHD 42618 b NaN  
## pl\_nameHD 4308 b NaN  
## pl\_nameHD 4313 b NaN  
## pl\_nameHD 43197 b NaN  
## pl\_nameHD 43197 c NaN  
## pl\_nameHD 43691 b NaN  
## pl\_nameHD 44219 b NaN  
## pl\_nameHD 45184 b NaN  
## pl\_nameHD 45184 c NaN  
## pl\_nameHD 45350 b NaN  
## pl\_nameHD 45364 b NaN  
## pl\_nameHD 45364 c NaN  
## pl\_nameHD 45652 b NaN  
## pl\_nameHD 457 b NaN  
## pl\_nameHD 46375 b NaN  
## pl\_nameHD 47186 b NaN  
## pl\_nameHD 47186 c NaN  
## pl\_nameHD 4732 b NaN  
## pl\_nameHD 4732 c NaN  
## pl\_nameHD 47366 b NaN  
## pl\_nameHD 47366 c NaN  
## pl\_nameHD 47536 b NaN  
## pl\_nameHD 4760 b NaN  
## pl\_nameHD 48265 b NaN  
## pl\_nameHD 4917 b NaN  
## pl\_nameHD 49674 b NaN  
## pl\_nameHD 50499 b NaN  
## pl\_nameHD 50499 c NaN  
## pl\_nameHD 50554 b NaN  
## pl\_nameHD 51608 b NaN  
## pl\_nameHD 51608 c NaN  
## pl\_nameHD 52265 b NaN  
## pl\_nameHD 5278 b NaN  
## pl\_nameHD 5278 c NaN  
## pl\_nameHD 5319 b NaN  
## pl\_nameHD 5319 c NaN  
## pl\_nameHD 55696 b NaN  
## pl\_nameHD 5583 b NaN  
## pl\_nameHD 5608 b NaN  
## pl\_nameHD 564 b NaN  
## pl\_nameHD 56414 b NaN  
## pl\_nameHD 56957 b NaN  
## pl\_nameHD 5891 b NaN  
## pl\_nameHD 59686 A b NaN  
## pl\_nameHD 60292 b NaN  
## pl\_nameHD 60532 b NaN  
## pl\_nameHD 60532 c NaN  
## pl\_nameHD 62364 b NaN  
## pl\_nameHD 62364 c NaN  
## pl\_nameHD 62549 b NaN  
## pl\_nameHD 63433 b NaN  
## pl\_nameHD 63433 c NaN  
## pl\_nameHD 63454 b NaN  
## pl\_nameHD 63765 b NaN  
## pl\_nameHD 64114 b NaN  
## pl\_nameHD 64121 b NaN  
## pl\_nameHD 6434 b NaN  
## pl\_nameHD 65216 b NaN  
## pl\_nameHD 65216 c NaN  
## pl\_nameHD 66141 b NaN  
## pl\_nameHD 66428 b NaN  
## pl\_nameHD 66428 c NaN  
## pl\_nameHD 67087 b NaN  
## pl\_nameHD 67087 c NaN  
## pl\_nameHD 6718 b NaN  
## pl\_nameHD 68402 b NaN  
## pl\_nameHD 68988 b NaN  
## pl\_nameHD 68988 c NaN  
## pl\_nameHD 69123 b NaN  
## pl\_nameHD 69830 b NaN  
## pl\_nameHD 69830 c NaN  
## pl\_nameHD 69830 d NaN  
## pl\_nameHD 70573 b NaN  
## pl\_nameHD 70642 b NaN  
## pl\_nameHD 7199 b NaN  
## pl\_nameHD 72490 b NaN  
## pl\_nameHD 72659 b NaN  
## pl\_nameHD 72659 c NaN  
## pl\_nameHD 72892 b NaN  
## pl\_nameHD 73256 c NaN  
## pl\_nameHD 73267 b NaN  
## pl\_nameHD 73267 c NaN  
## pl\_nameHD 73526 b NaN  
## pl\_nameHD 73526 c NaN  
## pl\_nameHD 73534 b NaN  
## pl\_nameHD 73583 b NaN  
## pl\_nameHD 73583 c NaN  
## pl\_nameHD 74156 b NaN  
## pl\_nameHD 74156 c NaN  
## pl\_nameHD 7449 b NaN  
## pl\_nameHD 74698 b NaN  
## pl\_nameHD 74698 c NaN  
## pl\_nameHD 75289 b NaN  
## pl\_nameHD 75302 b NaN  
## pl\_nameHD 75784 b NaN  
## pl\_nameHD 75784 c NaN  
## pl\_nameHD 75898 b NaN  
## pl\_nameHD 76700 b NaN  
## pl\_nameHD 76920 b NaN  
## pl\_nameHD 77338 b NaN  
## pl\_nameHD 79181 b NaN  
## pl\_nameHD 7924 b NaN  
## pl\_nameHD 7924 c NaN  
## pl\_nameHD 7924 d NaN  
## pl\_nameHD 79498 b NaN  
## pl\_nameHD 80606 b NaN  
## pl\_nameHD 80653 b NaN  
## pl\_nameHD 80869 b NaN  
## pl\_nameHD 80883 b NaN  
## pl\_nameHD 80913 b NaN  
## pl\_nameHD 81040 b NaN  
## pl\_nameHD 81688 b NaN  
## pl\_nameHD 81817 b NaN  
## pl\_nameHD 81817 c NaN  
## pl\_nameHD 82886 b NaN  
## pl\_nameHD 82943 b NaN  
## pl\_nameHD 82943 c NaN  
## pl\_nameHD 8326 b NaN  
## pl\_nameHD 83443 b NaN  
## pl\_nameHD 83443 c NaN  
## pl\_nameHD 8535 b NaN  
## pl\_nameHD 85390 b NaN  
## pl\_nameHD 85512 b NaN  
## pl\_nameHD 8574 b NaN  
## pl\_nameHD 86065 b NaN  
## pl\_nameHD 86081 b NaN  
## pl\_nameHD 86226 b NaN  
## pl\_nameHD 86226 c NaN  
## pl\_nameHD 86264 b NaN  
## pl\_nameHD 8673 b NaN  
## pl\_nameHD 86950 b NaN  
## pl\_nameHD 87646 b NaN  
## pl\_nameHD 87883 b NaN  
## pl\_nameHD 88072 b NaN  
## pl\_nameHD 88133 b NaN  
## pl\_nameHD 89307 b NaN  
## pl\_nameHD 89345 b NaN  
## pl\_nameHD 89744 b NaN  
## pl\_nameHD 89839 b NaN  
## pl\_nameHD 90156 b NaN  
## pl\_nameHD 9174 b NaN  
## pl\_nameHD 92788 b NaN  
## pl\_nameHD 92788 c NaN  
## pl\_nameHD 93083 b NaN  
## pl\_nameHD 93351 b NaN  
## pl\_nameHD 93351 c NaN  
## pl\_nameHD 93385 b NaN  
## pl\_nameHD 93385 c NaN  
## pl\_nameHD 93385 d NaN  
## pl\_nameHD 9446 b NaN  
## pl\_nameHD 9446 c NaN  
## pl\_nameHD 94771 b NaN  
## pl\_nameHD 94834 b NaN  
## pl\_nameHD 95089 b NaN  
## pl\_nameHD 95089 c NaN  
## pl\_nameHD 95127 b NaN  
## pl\_nameHD 95338 b NaN  
## pl\_nameHD 95544 b NaN  
## pl\_nameHD 95872 b NaN  
## pl\_nameHD 96063 b NaN  
## pl\_nameHD 96127 b NaN  
## pl\_nameHD 96167 b NaN  
## pl\_nameHD 96700 b NaN  
## pl\_nameHD 96700 c NaN  
## pl\_nameHD 96700 d NaN  
## pl\_nameHD 96992 b NaN  
## pl\_nameHD 97037 b NaN  
## pl\_nameHD 97658 b NaN  
## pl\_nameHD 98219 b NaN  
## pl\_nameHD 98649 b NaN  
## pl\_nameHD 98736 b NaN  
## pl\_nameHD 99109 b NaN  
## pl\_nameHD 99283 b NaN  
## pl\_nameHD 99492 b NaN  
## pl\_nameHD 99706 b NaN  
## pl\_nameHIP 105854 b NaN  
## pl\_nameHIP 107772 b NaN  
## pl\_nameHIP 107773 b NaN  
## pl\_nameHIP 109384 b NaN  
## pl\_nameHIP 109600 b NaN  
## pl\_nameHIP 114933 b NaN  
## pl\_nameHIP 116454 b NaN  
## pl\_nameHIP 12961 b NaN  
## pl\_nameHIP 14810 b NaN  
## pl\_nameHIP 14810 c NaN  
## pl\_nameHIP 14810 d NaN  
## pl\_nameHIP 19976 b NaN  
## pl\_nameHIP 21152 b NaN  
## pl\_nameHIP 34222 b NaN  
## pl\_nameHIP 35173 b NaN  
## pl\_nameHIP 35965 b NaN  
## pl\_nameHIP 38594 b NaN  
## pl\_nameHIP 38594 c NaN  
## pl\_nameHIP 4845 b NaN  
## pl\_nameHIP 48714 b NaN  
## pl\_nameHIP 5158 b NaN  
## pl\_nameHIP 5158 c NaN  
## pl\_nameHIP 54373 b NaN  
## pl\_nameHIP 54373 c NaN  
## pl\_nameHIP 54597 b NaN  
## pl\_nameHIP 55507 b NaN  
## pl\_nameHIP 56640 b NaN  
## pl\_nameHIP 57274 b NaN  
## pl\_nameHIP 57274 c NaN  
## pl\_nameHIP 57274 d NaN  
## pl\_nameHIP 5763 b NaN  
## pl\_nameHIP 63242 b NaN  
## pl\_nameHIP 65 A b NaN  
## pl\_nameHIP 65407 b NaN  
## pl\_nameHIP 65407 c NaN  
## pl\_nameHIP 65891 b NaN  
## pl\_nameHIP 67537 b NaN  
## pl\_nameHIP 67851 b NaN  
## pl\_nameHIP 67851 c NaN  
## pl\_nameHIP 70849 b NaN  
## pl\_nameHIP 71135 b NaN  
## pl\_nameHIP 74890 b NaN  
## pl\_nameHIP 75056 A b NaN  
## pl\_nameHIP 75092 b NaN  
## pl\_nameHIP 79431 b NaN  
## pl\_nameHIP 8541 b NaN  
## pl\_nameHIP 90988 b NaN  
## pl\_nameHIP 91258 b NaN  
## pl\_nameHIP 948 b NaN  
## pl\_nameHIP 9618 b NaN  
## pl\_nameHIP 97166 b NaN  
## pl\_nameHIP 97166 c NaN  
## pl\_nameHIP 97233 b NaN  
## pl\_nameHIP 99770 b NaN  
## pl\_nameHN Lib b NaN  
## pl\_nameHR 5183 b NaN  
## pl\_nameHR 810 b NaN  
## pl\_nameHR 858 b NaN  
## pl\_nameHR 858 c NaN  
## pl\_nameHR 858 d NaN  
## pl\_nameHR 8799 c NaN  
## pl\_nameHR 8799 d NaN  
## pl\_nameHR 8799 e NaN  
## pl\_nameIC 4651 9122 b NaN  
## pl\_nameiot Dra b NaN  
## pl\_nameiot Dra c NaN  
## pl\_nameK2-10 b NaN  
## pl\_nameK2-100 b NaN  
## pl\_nameK2-101 b NaN  
## pl\_nameK2-104 b NaN  
## pl\_nameK2-107 b NaN  
## pl\_nameK2-108 b NaN  
## pl\_nameK2-110 b NaN  
## pl\_nameK2-111 b NaN  
## pl\_nameK2-111 c NaN  
## pl\_nameK2-113 b NaN  
## pl\_nameK2-114 b NaN  
## pl\_nameK2-115 b NaN  
## pl\_nameK2-116 b NaN  
## pl\_nameK2-117 b NaN  
## pl\_nameK2-117 c NaN  
## pl\_nameK2-118 b NaN  
## pl\_nameK2-119 b NaN  
## pl\_nameK2-12 b NaN  
## pl\_nameK2-121 b NaN  
## pl\_nameK2-122 b NaN  
## pl\_nameK2-123 b NaN  
## pl\_nameK2-124 b NaN  
## pl\_nameK2-125 b NaN  
## pl\_nameK2-126 b NaN  
## pl\_nameK2-127 b NaN  
## pl\_nameK2-128 b NaN  
## pl\_nameK2-129 b NaN  
## pl\_nameK2-130 b NaN  
## pl\_nameK2-131 b NaN  
## pl\_nameK2-132 b NaN  
## pl\_nameK2-136 b NaN  
## pl\_nameK2-136 c NaN  
## pl\_nameK2-136 d NaN  
## pl\_nameK2-138 b NaN  
## pl\_nameK2-138 c NaN  
## pl\_nameK2-138 d NaN  
## pl\_nameK2-138 e NaN  
## pl\_nameK2-138 f NaN  
## pl\_nameK2-138 g NaN  
## pl\_nameK2-139 b NaN  
## pl\_nameK2-14 b NaN  
## pl\_nameK2-140 b NaN  
## pl\_nameK2-141 b NaN  
## pl\_nameK2-141 c NaN  
## pl\_nameK2-146 b NaN  
## pl\_nameK2-146 c NaN  
## pl\_nameK2-167 b NaN  
## pl\_nameK2-17 b NaN  
## pl\_nameK2-18 b NaN  
## pl\_nameK2-18 c NaN  
## pl\_nameK2-180 b NaN  
## pl\_nameK2-182 b NaN  
## pl\_nameK2-19 b NaN  
## pl\_nameK2-19 c NaN  
## pl\_nameK2-19 d NaN  
## pl\_nameK2-199 b NaN  
## pl\_nameK2-199 c NaN  
## pl\_nameK2-21 b NaN  
## pl\_nameK2-21 c NaN  
## pl\_nameK2-216 b NaN  
## pl\_nameK2-222 b NaN  
## pl\_nameK2-229 b NaN  
## pl\_nameK2-229 c NaN  
## pl\_nameK2-232 b NaN  
## pl\_nameK2-233 b NaN  
## pl\_nameK2-233 c NaN  
## pl\_nameK2-233 d NaN  
## pl\_nameK2-237 b NaN  
## pl\_nameK2-238 b NaN  
## pl\_nameK2-24 b NaN  
## pl\_nameK2-24 c NaN  
## pl\_nameK2-25 b NaN  
## pl\_nameK2-260 b NaN  
## pl\_nameK2-261 b NaN  
## pl\_nameK2-263 b NaN  
## pl\_nameK2-264 b NaN  
## pl\_nameK2-264 c NaN  
## pl\_nameK2-265 b NaN  
## pl\_nameK2-266 c NaN  
## pl\_nameK2-266 d NaN  
## pl\_nameK2-266 e NaN  
## pl\_nameK2-27 b NaN  
## pl\_nameK2-28 b NaN  
## pl\_nameK2-280 b NaN  
## pl\_nameK2-284 b NaN  
## pl\_nameK2-285 b NaN  
## pl\_nameK2-285 c NaN  
## pl\_nameK2-287 b NaN  
## pl\_nameK2-29 b NaN  
## pl\_nameK2-290 b NaN  
## pl\_nameK2-290 c NaN  
## pl\_nameK2-291 b NaN  
## pl\_nameK2-292 b NaN  
## pl\_nameK2-295 b NaN  
## pl\_nameK2-3 b NaN  
## pl\_nameK2-3 c NaN  
## pl\_nameK2-3 d NaN  
## pl\_nameK2-30 b NaN  
## pl\_nameK2-31 b NaN  
## pl\_nameK2-312 c NaN  
## pl\_nameK2-32 b NaN  
## pl\_nameK2-32 c NaN  
## pl\_nameK2-32 d NaN  
## pl\_nameK2-32 e NaN  
## pl\_nameK2-329 b NaN  
## pl\_nameK2-34 b NaN  
## pl\_nameK2-35 b NaN  
## pl\_nameK2-35 c NaN  
## pl\_nameK2-36 b NaN  
## pl\_nameK2-36 c NaN  
## pl\_nameK2-38 b NaN  
## pl\_nameK2-38 c NaN  
## pl\_nameK2-39 b NaN  
## pl\_nameK2-4 b NaN  
## pl\_nameK2-43 b NaN  
## pl\_nameK2-45 b NaN  
## pl\_nameK2-55 b NaN  
## pl\_nameK2-60 b NaN  
## pl\_nameK2-66 b NaN  
## pl\_nameK2-72 b NaN  
## pl\_nameK2-72 c NaN  
## pl\_nameK2-72 d NaN  
## pl\_nameK2-72 e NaN  
## pl\_nameK2-79 b NaN  
## pl\_nameK2-81 b NaN  
## pl\_nameK2-83 b NaN  
## pl\_nameK2-83 c NaN  
## pl\_nameK2-85 b NaN  
## pl\_nameK2-88 b NaN  
## pl\_nameK2-89 b NaN  
## pl\_nameK2-90 b NaN  
## pl\_nameK2-90 c NaN  
## pl\_nameK2-91 b NaN  
## pl\_nameK2-95 b NaN  
## pl\_nameK2-97 b NaN  
## pl\_nameK2-98 b NaN  
## pl\_nameK2-99 b NaN  
## pl\_namekap CrB b NaN  
## pl\_nameKapteyn c NaN  
## pl\_nameKELT-1 b NaN  
## pl\_nameKELT-11 b NaN  
## pl\_nameKELT-12 b NaN  
## pl\_nameKELT-14 b NaN  
## pl\_nameKELT-15 b NaN  
## pl\_nameKELT-16 b NaN  
## pl\_nameKELT-18 b NaN  
## pl\_nameKELT-2 A b NaN  
## pl\_nameKELT-20 b NaN  
## pl\_nameKELT-21 b NaN  
## pl\_nameKELT-23 A b NaN  
## pl\_nameKELT-24 b NaN  
## pl\_nameKELT-3 b NaN  
## pl\_nameKELT-4 A b NaN  
## pl\_nameKELT-6 b NaN  
## pl\_nameKELT-6 c NaN  
## pl\_nameKELT-7 b NaN  
## pl\_nameKELT-8 b NaN  
## pl\_nameKELT-9 b NaN  
## pl\_nameKepler-10 b NaN  
## pl\_nameKepler-10 c NaN  
## pl\_nameKepler-10 d NaN  
## pl\_nameKepler-100 b NaN  
## pl\_nameKepler-1000 b NaN  
## pl\_nameKepler-1001 b NaN  
## pl\_nameKepler-1001 c NaN  
## pl\_nameKepler-1002 b NaN  
## pl\_nameKepler-1003 b NaN  
## pl\_nameKepler-1004 b NaN  
## pl\_nameKepler-1005 b NaN  
## pl\_nameKepler-1007 b NaN  
## pl\_nameKepler-1008 b NaN  
## pl\_nameKepler-1009 b NaN  
## pl\_nameKepler-101 b NaN  
## pl\_nameKepler-101 c NaN  
## pl\_nameKepler-1010 b NaN  
## pl\_nameKepler-1011 b NaN  
## pl\_nameKepler-1012 b NaN  
## pl\_nameKepler-1013 b NaN  
## pl\_nameKepler-1014 b NaN  
## pl\_nameKepler-1015 b NaN  
## pl\_nameKepler-1016 b NaN  
## pl\_nameKepler-1016 c NaN  
## pl\_nameKepler-1017 b NaN  
## pl\_nameKepler-1018 b NaN  
## pl\_nameKepler-1019 b NaN  
## pl\_nameKepler-102 b NaN  
## pl\_nameKepler-102 c NaN  
## pl\_nameKepler-102 d NaN  
## pl\_nameKepler-102 e NaN  
## pl\_nameKepler-102 f NaN  
## pl\_nameKepler-1020 b NaN  
## pl\_nameKepler-1021 b NaN  
## pl\_nameKepler-1022 b NaN  
## pl\_nameKepler-1023 b NaN  
## pl\_nameKepler-1024 b NaN  
## pl\_nameKepler-1025 b NaN  
## pl\_nameKepler-1026 b NaN  
## pl\_nameKepler-1027 b NaN  
## pl\_nameKepler-1028 b NaN  
## pl\_nameKepler-1029 b NaN  
## pl\_nameKepler-103 b NaN  
## pl\_nameKepler-103 c NaN  
## pl\_nameKepler-1030 b NaN  
## pl\_nameKepler-1032 b NaN  
## pl\_nameKepler-1033 b NaN  
## pl\_nameKepler-1034 b NaN  
## pl\_nameKepler-1035 b NaN  
## pl\_nameKepler-1036 b NaN  
## pl\_nameKepler-1037 b NaN  
## pl\_nameKepler-1038 b NaN  
## pl\_nameKepler-1038 c NaN  
## pl\_nameKepler-1039 b NaN  
## pl\_nameKepler-104 b NaN  
## pl\_nameKepler-104 c NaN  
## pl\_nameKepler-104 d NaN  
## pl\_nameKepler-1040 b NaN  
## pl\_nameKepler-1041 b NaN  
## pl\_nameKepler-1042 b NaN  
## pl\_nameKepler-1043 b NaN  
## pl\_nameKepler-1044 b NaN  
## pl\_nameKepler-1045 b NaN  
## pl\_nameKepler-1046 b NaN  
## pl\_nameKepler-1047 b NaN  
## pl\_nameKepler-1047 c NaN  
## pl\_nameKepler-1048 b NaN  
## pl\_nameKepler-1049 b NaN  
## pl\_nameKepler-105 b NaN  
## pl\_nameKepler-105 c NaN  
## pl\_nameKepler-1050 b NaN  
## pl\_nameKepler-1050 c NaN  
## pl\_nameKepler-1051 b NaN  
## pl\_nameKepler-1052 b NaN  
## pl\_nameKepler-1052 c NaN  
## pl\_nameKepler-1053 b NaN  
## pl\_nameKepler-1054 b NaN  
## pl\_nameKepler-1055 b NaN  
## pl\_nameKepler-1056 b NaN  
## pl\_nameKepler-1057 b NaN  
## pl\_nameKepler-1058 b NaN  
## pl\_nameKepler-1059 b NaN  
## pl\_nameKepler-106 c NaN  
## pl\_nameKepler-106 e NaN  
## pl\_nameKepler-1060 b NaN  
## pl\_nameKepler-1061 b NaN  
## pl\_nameKepler-1062 b NaN  
## pl\_nameKepler-1064 b NaN  
## pl\_nameKepler-1065 b NaN  
## pl\_nameKepler-1065 c NaN  
## pl\_nameKepler-1066 b NaN  
## pl\_nameKepler-1067 b NaN  
## pl\_nameKepler-1067 c NaN  
## pl\_nameKepler-1068 b NaN  
## pl\_nameKepler-1069 b NaN  
## pl\_nameKepler-107 b NaN  
## pl\_nameKepler-107 c NaN  
## pl\_nameKepler-107 d NaN  
## pl\_nameKepler-107 e NaN  
## pl\_nameKepler-1070 b NaN  
## pl\_nameKepler-1071 b NaN  
## pl\_nameKepler-1072 b NaN  
## pl\_nameKepler-1073 b NaN  
## pl\_nameKepler-1073 c NaN  
## pl\_nameKepler-1073 d NaN  
## pl\_nameKepler-1074 b NaN  
## pl\_nameKepler-1075 b NaN  
## pl\_nameKepler-1076 b NaN  
## pl\_nameKepler-1077 b NaN  
## pl\_nameKepler-1078 b NaN  
## pl\_nameKepler-108 b NaN  
## pl\_nameKepler-108 c NaN  
## pl\_nameKepler-1080 b NaN  
## pl\_nameKepler-1081 b NaN  
## pl\_nameKepler-1082 b NaN  
## pl\_nameKepler-1083 b NaN  
## pl\_nameKepler-1084 b NaN  
## pl\_nameKepler-1085 b NaN  
## pl\_nameKepler-1085 c NaN  
## pl\_nameKepler-1086 b NaN  
## pl\_nameKepler-1086 c NaN  
## pl\_nameKepler-1087 b NaN  
## pl\_nameKepler-1088 b NaN  
## pl\_nameKepler-1089 b NaN  
## pl\_nameKepler-109 b NaN  
## pl\_nameKepler-109 c NaN  
## pl\_nameKepler-1090 b NaN  
## pl\_nameKepler-1090 c NaN  
## pl\_nameKepler-1091 b NaN  
## pl\_nameKepler-1092 b NaN  
## pl\_nameKepler-1093 b NaN  
## pl\_nameKepler-1093 c NaN  
## pl\_nameKepler-1094 b NaN  
## pl\_nameKepler-1095 b NaN  
## pl\_nameKepler-1096 b NaN  
## pl\_nameKepler-1097 b NaN  
## pl\_nameKepler-1098 b NaN  
## pl\_nameKepler-1099 b NaN  
## pl\_nameKepler-11 b NaN  
## pl\_nameKepler-11 c NaN  
## pl\_nameKepler-11 d NaN  
## pl\_nameKepler-11 e NaN  
## pl\_nameKepler-11 f NaN  
## pl\_nameKepler-11 g NaN  
## pl\_nameKepler-110 b NaN  
## pl\_nameKepler-110 c NaN  
## pl\_nameKepler-1100 b NaN  
## pl\_nameKepler-1101 b NaN  
## pl\_nameKepler-1102 b NaN  
## pl\_nameKepler-1103 b NaN  
## pl\_nameKepler-1104 b NaN  
## pl\_nameKepler-1105 b NaN  
## pl\_nameKepler-1106 b NaN  
## pl\_nameKepler-1107 b NaN  
## pl\_nameKepler-1108 b NaN  
## pl\_nameKepler-1109 b NaN  
## pl\_nameKepler-111 b NaN  
## pl\_nameKepler-111 c NaN  
## pl\_nameKepler-1110 b NaN  
## pl\_nameKepler-1111 b NaN  
## pl\_nameKepler-1112 b NaN  
## pl\_nameKepler-1113 b NaN  
## pl\_nameKepler-1114 b NaN  
## pl\_nameKepler-1115 b NaN  
## pl\_nameKepler-1116 b NaN  
## pl\_nameKepler-1117 b NaN  
## pl\_nameKepler-1118 b NaN  
## pl\_nameKepler-1119 b NaN  
## pl\_nameKepler-112 b NaN  
## pl\_nameKepler-112 c NaN  
## pl\_nameKepler-1120 b NaN  
## pl\_nameKepler-1121 b NaN  
## pl\_nameKepler-1122 b NaN  
## pl\_nameKepler-1123 b NaN  
## pl\_nameKepler-1124 b NaN  
## pl\_nameKepler-1125 b NaN  
## pl\_nameKepler-1126 b NaN  
## pl\_nameKepler-1126 c NaN  
## pl\_nameKepler-1127 b NaN  
## pl\_nameKepler-1128 b NaN  
## pl\_nameKepler-1129 b NaN  
## pl\_nameKepler-1129 c NaN  
## pl\_nameKepler-113 b NaN  
## pl\_nameKepler-1130 b NaN  
## pl\_nameKepler-1130 c NaN  
## pl\_nameKepler-1130 d NaN  
## pl\_nameKepler-1131 b NaN  
## pl\_nameKepler-1132 b NaN  
## pl\_nameKepler-1133 b NaN  
## pl\_nameKepler-1134 b NaN  
## pl\_nameKepler-1135 b NaN  
## pl\_nameKepler-1136 b NaN  
## pl\_nameKepler-1137 b NaN  
## pl\_nameKepler-1138 b NaN  
## pl\_nameKepler-1139 b NaN  
## pl\_nameKepler-114 b NaN  
## pl\_nameKepler-114 c NaN  
## pl\_nameKepler-114 d NaN  
## pl\_nameKepler-1140 b NaN  
## pl\_nameKepler-1141 b NaN  
## pl\_nameKepler-1142 b NaN  
## pl\_nameKepler-1143 b NaN  
## pl\_nameKepler-1143 c NaN  
## pl\_nameKepler-1144 b NaN  
## pl\_nameKepler-1145 b NaN  
## pl\_nameKepler-1146 b NaN  
## pl\_nameKepler-1147 b NaN  
## pl\_nameKepler-1148 b NaN  
## pl\_nameKepler-1149 b NaN  
## pl\_nameKepler-115 b NaN  
## pl\_nameKepler-115 c NaN  
## pl\_nameKepler-1150 b NaN  
## pl\_nameKepler-1151 b NaN  
## pl\_nameKepler-1152 b NaN  
## pl\_nameKepler-1153 b NaN  
## pl\_nameKepler-1154 b NaN  
## pl\_nameKepler-1154 c NaN  
## pl\_nameKepler-1155 b NaN  
## pl\_nameKepler-1156 b NaN  
## pl\_nameKepler-1157 b NaN  
## pl\_nameKepler-1158 b NaN  
## pl\_nameKepler-1159 b NaN  
## pl\_nameKepler-116 b NaN  
## pl\_nameKepler-116 c NaN  
## pl\_nameKepler-1160 b NaN  
## pl\_nameKepler-1161 b NaN  
## pl\_nameKepler-1162 b NaN  
## pl\_nameKepler-1162 c NaN  
## pl\_nameKepler-1163 b NaN  
## pl\_nameKepler-1164 b NaN  
## pl\_nameKepler-1165 b NaN  
## pl\_nameKepler-1165 c NaN  
## pl\_nameKepler-1166 b NaN  
## pl\_nameKepler-1167 b NaN  
## pl\_nameKepler-1168 b NaN  
## pl\_nameKepler-1169 b NaN  
## pl\_nameKepler-117 b NaN  
## pl\_nameKepler-117 c NaN  
## pl\_nameKepler-1170 b NaN  
## pl\_nameKepler-1171 b NaN  
## pl\_nameKepler-1172 b NaN  
## pl\_nameKepler-1173 b NaN  
## pl\_nameKepler-1174 b NaN  
## pl\_nameKepler-1175 b NaN  
## pl\_nameKepler-1176 b NaN  
## pl\_nameKepler-1177 b NaN  
## pl\_nameKepler-1178 b NaN  
## pl\_nameKepler-1179 b NaN  
## pl\_nameKepler-118 b NaN  
## pl\_nameKepler-118 c NaN  
## pl\_nameKepler-1180 b NaN  
## pl\_nameKepler-1181 b NaN  
## pl\_nameKepler-1181 c NaN  
## pl\_nameKepler-1182 b NaN  
## pl\_nameKepler-1183 b NaN  
## pl\_nameKepler-1184 b NaN  
## pl\_nameKepler-1185 b NaN  
## pl\_nameKepler-1186 b NaN  
## pl\_nameKepler-1187 b NaN  
## pl\_nameKepler-1188 b NaN  
## pl\_nameKepler-1189 b NaN  
## pl\_nameKepler-119 b NaN  
## pl\_nameKepler-119 c NaN  
## pl\_nameKepler-1190 b NaN  
## pl\_nameKepler-1191 b NaN  
## pl\_nameKepler-1192 b NaN  
## pl\_nameKepler-1193 b NaN  
## pl\_nameKepler-1194 b NaN  
## pl\_nameKepler-1195 b NaN  
## pl\_nameKepler-1196 b NaN  
## pl\_nameKepler-1197 b NaN  
## pl\_nameKepler-1198 b NaN  
## pl\_nameKepler-1199 b NaN  
## pl\_nameKepler-12 b NaN  
## pl\_nameKepler-120 b NaN  
## pl\_nameKepler-120 c NaN  
## pl\_nameKepler-1200 b NaN  
## pl\_nameKepler-1201 b NaN  
## pl\_nameKepler-1202 b NaN  
## pl\_nameKepler-1203 b NaN  
## pl\_nameKepler-1204 b NaN  
## pl\_nameKepler-1205 b NaN  
## pl\_nameKepler-1206 b NaN  
## pl\_nameKepler-1207 b NaN  
## pl\_nameKepler-1208 b NaN  
## pl\_nameKepler-1209 b NaN  
## pl\_nameKepler-121 b NaN  
## pl\_nameKepler-121 c NaN  
## pl\_nameKepler-1210 b NaN  
## pl\_nameKepler-1211 b NaN  
## pl\_nameKepler-1212 b NaN  
## pl\_nameKepler-1213 b NaN  
## pl\_nameKepler-1214 b NaN  
## pl\_nameKepler-1215 b NaN  
## pl\_nameKepler-1216 b NaN  
## pl\_nameKepler-1217 b NaN  
## pl\_nameKepler-1218 b NaN  
## pl\_nameKepler-1219 b NaN  
## pl\_nameKepler-122 b NaN  
## pl\_nameKepler-122 c NaN  
## pl\_nameKepler-122 d NaN  
## pl\_nameKepler-122 e NaN  
## pl\_nameKepler-122 f NaN  
## pl\_nameKepler-1220 b NaN  
## pl\_nameKepler-1221 b NaN  
## pl\_nameKepler-1222 b NaN  
## pl\_nameKepler-1223 b NaN  
## pl\_nameKepler-1224 b NaN  
## pl\_nameKepler-1225 b NaN  
## pl\_nameKepler-1226 b NaN  
## pl\_nameKepler-1227 b NaN  
## pl\_nameKepler-1228 b NaN  
## pl\_nameKepler-1229 b NaN  
## pl\_nameKepler-123 b NaN  
## pl\_nameKepler-123 c NaN  
## pl\_nameKepler-1230 b NaN  
## pl\_nameKepler-1231 b NaN  
## pl\_nameKepler-1232 b NaN  
## pl\_nameKepler-1233 b NaN  
## pl\_nameKepler-1234 b NaN  
## pl\_nameKepler-1235 b NaN  
## pl\_nameKepler-1236 b NaN  
## pl\_nameKepler-1237 b NaN  
## pl\_nameKepler-1238 b NaN  
## pl\_nameKepler-1239 b NaN  
## pl\_nameKepler-124 b NaN  
## pl\_nameKepler-124 c NaN  
## pl\_nameKepler-124 d NaN  
## pl\_nameKepler-1240 b NaN  
## pl\_nameKepler-1241 b NaN  
## pl\_nameKepler-1242 b NaN  
## pl\_nameKepler-1243 b NaN  
## pl\_nameKepler-1244 b NaN  
## pl\_nameKepler-1245 b NaN  
## pl\_nameKepler-1245 c NaN  
## pl\_nameKepler-1246 b NaN  
## pl\_nameKepler-1247 b NaN  
## pl\_nameKepler-1248 b NaN  
## pl\_nameKepler-1249 b NaN  
## pl\_nameKepler-125 b NaN  
## pl\_nameKepler-125 c NaN  
## pl\_nameKepler-1250 b NaN  
## pl\_nameKepler-1251 b NaN  
## pl\_nameKepler-1252 b NaN  
## pl\_nameKepler-1253 b NaN  
## pl\_nameKepler-1254 b NaN  
## pl\_nameKepler-1254 c NaN  
## pl\_nameKepler-1254 d NaN  
## pl\_nameKepler-1255 b NaN  
## pl\_nameKepler-1256 b NaN  
## pl\_nameKepler-1257 b NaN  
## pl\_nameKepler-1258 b NaN  
## pl\_nameKepler-1259 b NaN  
## pl\_nameKepler-126 b NaN  
## pl\_nameKepler-126 c NaN  
## pl\_nameKepler-126 d NaN  
## pl\_nameKepler-1260 b NaN  
## pl\_nameKepler-1261 b NaN  
## pl\_nameKepler-1262 b NaN  
## pl\_nameKepler-1263 b NaN  
## pl\_nameKepler-1264 b NaN  
## pl\_nameKepler-1265 b NaN  
## pl\_nameKepler-1266 b NaN  
## pl\_nameKepler-1266 c NaN  
## pl\_nameKepler-1267 b NaN  
## pl\_nameKepler-1268 b NaN  
## pl\_nameKepler-1269 b NaN  
## pl\_nameKepler-127 b NaN  
## pl\_nameKepler-127 c NaN  
## pl\_nameKepler-127 d NaN  
## pl\_nameKepler-1270 b NaN  
## pl\_nameKepler-1271 b NaN  
## pl\_nameKepler-1272 b NaN  
## pl\_nameKepler-1273 b NaN  
## pl\_nameKepler-1274 b NaN  
## pl\_nameKepler-1275 b NaN  
## pl\_nameKepler-1276 b NaN  
## pl\_nameKepler-1277 b NaN  
## pl\_nameKepler-1278 b NaN  
## pl\_nameKepler-1279 b NaN  
## pl\_nameKepler-128 b NaN  
## pl\_nameKepler-128 c NaN  
## pl\_nameKepler-1280 b NaN  
## pl\_nameKepler-1281 b NaN  
## pl\_nameKepler-1282 b NaN  
## pl\_nameKepler-1283 b NaN  
## pl\_nameKepler-1284 b NaN  
## pl\_nameKepler-1285 b NaN  
## pl\_nameKepler-1286 b NaN  
## pl\_nameKepler-1287 b NaN  
## pl\_nameKepler-1288 b NaN  
## pl\_nameKepler-1289 b NaN  
## pl\_nameKepler-129 b NaN  
## pl\_nameKepler-129 c NaN  
## pl\_nameKepler-129 d NaN  
## pl\_nameKepler-1290 b NaN  
## pl\_nameKepler-1291 b NaN  
## pl\_nameKepler-1292 b NaN  
## pl\_nameKepler-1293 b NaN  
## pl\_nameKepler-1294 b NaN  
## pl\_nameKepler-1295 b NaN  
## pl\_nameKepler-1296 b NaN  
## pl\_nameKepler-1297 b NaN  
## pl\_nameKepler-1298 b NaN  
## pl\_nameKepler-1299 b NaN  
## pl\_nameKepler-130 b NaN  
## pl\_nameKepler-130 c NaN  
## pl\_nameKepler-130 d NaN  
## pl\_nameKepler-1300 b NaN  
## pl\_nameKepler-1301 b NaN  
## pl\_nameKepler-1302 b NaN  
## pl\_nameKepler-1303 b NaN  
## pl\_nameKepler-1304 b NaN  
## pl\_nameKepler-1305 b NaN  
## pl\_nameKepler-1306 b NaN  
## pl\_nameKepler-1307 b NaN  
## pl\_nameKepler-1308 b NaN  
## pl\_nameKepler-1309 b NaN  
## pl\_nameKepler-131 b NaN  
## pl\_nameKepler-131 c NaN  
## pl\_nameKepler-1310 b NaN  
## pl\_nameKepler-1311 b NaN  
## pl\_nameKepler-1311 c NaN  
## pl\_nameKepler-1311 d NaN  
## pl\_nameKepler-1312 b NaN  
## pl\_nameKepler-1312 c NaN  
## pl\_nameKepler-1313 b NaN  
## pl\_nameKepler-1314 b NaN  
## pl\_nameKepler-1315 b NaN  
## pl\_nameKepler-1315 c NaN  
## pl\_nameKepler-1316 b NaN  
## pl\_nameKepler-1317 b NaN  
## pl\_nameKepler-1318 b NaN  
## pl\_nameKepler-1319 b NaN  
## pl\_nameKepler-1320 b NaN  
## pl\_nameKepler-1321 b NaN  
## pl\_nameKepler-1321 c NaN  
## pl\_nameKepler-1321 d NaN  
## pl\_nameKepler-1322 b NaN  
## pl\_nameKepler-1322 c NaN  
## pl\_nameKepler-1323 b NaN  
## pl\_nameKepler-1324 b NaN  
## pl\_nameKepler-1325 b NaN  
## pl\_nameKepler-1326 b NaN  
## pl\_nameKepler-1327 b NaN  
## pl\_nameKepler-1328 b NaN  
## pl\_nameKepler-1329 b NaN  
## pl\_nameKepler-133 b NaN  
## pl\_nameKepler-133 c NaN  
## pl\_nameKepler-1330 b NaN  
## pl\_nameKepler-1331 b NaN  
## pl\_nameKepler-1332 b NaN  
## pl\_nameKepler-1333 b NaN  
## pl\_nameKepler-1334 b NaN  
## pl\_nameKepler-1335 b NaN  
## pl\_nameKepler-1336 b NaN  
## pl\_nameKepler-1336 c NaN  
## pl\_nameKepler-1337 b NaN  
## pl\_nameKepler-1338 b NaN  
## pl\_nameKepler-1339 b NaN  
## pl\_nameKepler-134 b NaN  
## pl\_nameKepler-134 c NaN  
## pl\_nameKepler-1340 b NaN  
## pl\_nameKepler-1341 b NaN  
## pl\_nameKepler-1342 b NaN  
## pl\_nameKepler-1343 b NaN  
## pl\_nameKepler-1344 b NaN  
## pl\_nameKepler-1345 b NaN  
## pl\_nameKepler-1346 b NaN  
## pl\_nameKepler-1347 b NaN  
## pl\_nameKepler-1348 b NaN  
## pl\_nameKepler-1349 b NaN  
## pl\_nameKepler-135 b NaN  
## pl\_nameKepler-135 c NaN  
## pl\_nameKepler-1350 b NaN  
## pl\_nameKepler-1350 c NaN  
## pl\_nameKepler-1351 b NaN  
## pl\_nameKepler-1352 b NaN  
## pl\_nameKepler-1353 b NaN  
## pl\_nameKepler-1354 b NaN  
## pl\_nameKepler-1355 b NaN  
## pl\_nameKepler-1356 b NaN  
## pl\_nameKepler-1357 b NaN  
## pl\_nameKepler-1358 b NaN  
## pl\_nameKepler-1359 b NaN  
## pl\_nameKepler-136 b NaN  
## pl\_nameKepler-136 c NaN  
## pl\_nameKepler-1360 b NaN  
## pl\_nameKepler-1361 b NaN  
## pl\_nameKepler-1362 b NaN  
## pl\_nameKepler-1363 b NaN  
## pl\_nameKepler-1364 b NaN  
## pl\_nameKepler-1365 b NaN  
## pl\_nameKepler-1365 c NaN  
## pl\_nameKepler-1366 b NaN  
## pl\_nameKepler-1367 b NaN  
## pl\_nameKepler-1368 b NaN  
## pl\_nameKepler-1369 b NaN  
## pl\_nameKepler-137 b NaN  
## pl\_nameKepler-137 c NaN  
## pl\_nameKepler-1370 b NaN  
## pl\_nameKepler-1370 c NaN  
## pl\_nameKepler-1371 b NaN  
## pl\_nameKepler-1371 c NaN  
## pl\_nameKepler-1372 b NaN  
## pl\_nameKepler-1373 b NaN  
## pl\_nameKepler-1374 b NaN  
## pl\_nameKepler-1375 b NaN  
## pl\_nameKepler-1376 b NaN  
## pl\_nameKepler-1377 b NaN  
## pl\_nameKepler-1378 b NaN  
## pl\_nameKepler-1379 b NaN  
## pl\_nameKepler-138 b NaN  
## pl\_nameKepler-138 c NaN  
## pl\_nameKepler-138 d NaN  
## pl\_nameKepler-138 e NaN  
## pl\_nameKepler-1380 b NaN  
## pl\_nameKepler-1381 b NaN  
## pl\_nameKepler-1382 b NaN  
## pl\_nameKepler-1383 b NaN  
## pl\_nameKepler-1384 b NaN  
## pl\_nameKepler-1385 b NaN  
## pl\_nameKepler-1386 b NaN  
## pl\_nameKepler-1387 b NaN  
## pl\_nameKepler-1388 b NaN  
## pl\_nameKepler-1388 c NaN  
## pl\_nameKepler-1388 d NaN  
## pl\_nameKepler-1388 e NaN  
## pl\_nameKepler-1389 b NaN  
## pl\_nameKepler-139 b NaN  
## pl\_nameKepler-139 c NaN  
## pl\_nameKepler-1390 b NaN  
## pl\_nameKepler-1391 b NaN  
## pl\_nameKepler-1392 b NaN  
## pl\_nameKepler-1393 b NaN  
## pl\_nameKepler-1394 b NaN  
## pl\_nameKepler-1395 b NaN  
## pl\_nameKepler-1396 b NaN  
## pl\_nameKepler-1397 b NaN  
## pl\_nameKepler-1398 b NaN  
## pl\_nameKepler-1398 c NaN  
## pl\_nameKepler-1399 b NaN  
## pl\_nameKepler-140 b NaN  
## pl\_nameKepler-140 c NaN  
## pl\_nameKepler-1400 b NaN  
## pl\_nameKepler-1401 b NaN  
## pl\_nameKepler-1402 b NaN  
## pl\_nameKepler-1403 b NaN  
## pl\_nameKepler-1404 b NaN  
## pl\_nameKepler-1405 b NaN  
## pl\_nameKepler-1406 b NaN  
## pl\_nameKepler-1407 b NaN  
## pl\_nameKepler-1408 b NaN  
## pl\_nameKepler-1409 b NaN  
## pl\_nameKepler-141 b NaN  
## pl\_nameKepler-141 c NaN  
## pl\_nameKepler-1410 b NaN  
## pl\_nameKepler-1411 b NaN  
## pl\_nameKepler-1412 b NaN  
## pl\_nameKepler-1413 b NaN  
## pl\_nameKepler-1414 b NaN  
## pl\_nameKepler-1415 b NaN  
## pl\_nameKepler-1416 b NaN  
## pl\_nameKepler-1417 b NaN  
## pl\_nameKepler-1418 b NaN  
## pl\_nameKepler-1419 b NaN  
## pl\_nameKepler-142 b NaN  
## pl\_nameKepler-142 c NaN  
## pl\_nameKepler-142 d NaN  
## pl\_nameKepler-1420 b NaN  
## pl\_nameKepler-1421 b NaN  
## pl\_nameKepler-1422 b NaN  
## pl\_nameKepler-1423 b NaN  
## pl\_nameKepler-1424 b NaN  
## pl\_nameKepler-1425 b NaN  
## pl\_nameKepler-1426 b NaN  
## pl\_nameKepler-1427 b NaN  
## pl\_nameKepler-1428 b NaN  
## pl\_nameKepler-1429 b NaN  
## pl\_nameKepler-143 b NaN  
## pl\_nameKepler-143 c NaN  
## pl\_nameKepler-1430 b NaN  
## pl\_nameKepler-1431 b NaN  
## pl\_nameKepler-1432 b NaN  
## pl\_nameKepler-1434 b NaN  
## pl\_nameKepler-1435 b NaN  
## pl\_nameKepler-1436 b NaN  
## pl\_nameKepler-1437 b NaN  
## pl\_nameKepler-1438 b NaN  
## pl\_nameKepler-1439 b NaN  
## pl\_nameKepler-144 b NaN  
## pl\_nameKepler-144 c NaN  
## pl\_nameKepler-1440 b NaN  
## pl\_nameKepler-1441 b NaN  
## pl\_nameKepler-1442 b NaN  
## pl\_nameKepler-1443 b NaN  
## pl\_nameKepler-1444 b NaN  
## pl\_nameKepler-1445 b NaN  
## pl\_nameKepler-1446 b NaN  
## pl\_nameKepler-1447 b NaN  
## pl\_nameKepler-1448 b NaN  
## pl\_nameKepler-1449 b NaN  
## pl\_nameKepler-145 b NaN  
## pl\_nameKepler-145 c NaN  
## pl\_nameKepler-1450 b NaN  
## pl\_nameKepler-1451 b NaN  
## pl\_nameKepler-1452 b NaN  
## pl\_nameKepler-1453 b NaN  
## pl\_nameKepler-1454 b NaN  
## pl\_nameKepler-1455 b NaN  
## pl\_nameKepler-1456 b NaN  
## pl\_nameKepler-1457 b NaN  
## pl\_nameKepler-1458 b NaN  
## pl\_nameKepler-1459 b NaN  
## pl\_nameKepler-146 b NaN  
## pl\_nameKepler-146 c NaN  
## pl\_nameKepler-1460 b NaN  
## pl\_nameKepler-1461 b NaN  
## pl\_nameKepler-1462 b NaN  
## pl\_nameKepler-1463 b NaN  
## pl\_nameKepler-1464 b NaN  
## pl\_nameKepler-1464 c NaN  
## pl\_nameKepler-1465 b NaN  
## pl\_nameKepler-1466 b NaN  
## pl\_nameKepler-1467 b NaN  
## pl\_nameKepler-1468 b NaN  
## pl\_nameKepler-1468 c NaN  
## pl\_nameKepler-1468 d NaN  
## pl\_nameKepler-1469 b NaN  
## pl\_nameKepler-147 b NaN  
## pl\_nameKepler-147 c NaN  
## pl\_nameKepler-1470 b NaN  
## pl\_nameKepler-1471 b NaN  
## pl\_nameKepler-1471 c NaN  
## pl\_nameKepler-1472 b NaN  
## pl\_nameKepler-1473 b NaN  
## pl\_nameKepler-1474 b NaN  
## pl\_nameKepler-1475 b NaN  
## pl\_nameKepler-1476 b NaN  
## pl\_nameKepler-1477 b NaN  
## pl\_nameKepler-1478 b NaN  
## pl\_nameKepler-1479 b NaN  
## pl\_nameKepler-148 b NaN  
## pl\_nameKepler-148 c NaN  
## pl\_nameKepler-148 d NaN  
## pl\_nameKepler-1480 b NaN  
## pl\_nameKepler-1481 b NaN  
## pl\_nameKepler-1482 b NaN  
## pl\_nameKepler-1483 b NaN  
## pl\_nameKepler-1484 b NaN  
## pl\_nameKepler-1485 b NaN  
## pl\_nameKepler-1486 b NaN  
## pl\_nameKepler-1487 b NaN  
## pl\_nameKepler-1487 c NaN  
## pl\_nameKepler-1488 b NaN  
## pl\_nameKepler-1488 c NaN  
## pl\_nameKepler-1489 b NaN  
## pl\_nameKepler-149 b NaN  
## pl\_nameKepler-149 c NaN  
## pl\_nameKepler-149 d NaN  
## pl\_nameKepler-1490 b NaN  
## pl\_nameKepler-1491 b NaN  
## pl\_nameKepler-1491 c NaN  
## pl\_nameKepler-1492 b NaN  
## pl\_nameKepler-1493 b NaN  
## pl\_nameKepler-1494 b NaN  
## pl\_nameKepler-1495 b NaN  
## pl\_nameKepler-1496 b NaN  
## pl\_nameKepler-1497 b NaN  
## pl\_nameKepler-1498 b NaN  
## pl\_nameKepler-1499 b NaN  
## pl\_nameKepler-15 b NaN  
## pl\_nameKepler-150 b NaN  
## pl\_nameKepler-150 c NaN  
## pl\_nameKepler-150 d NaN  
## pl\_nameKepler-150 e NaN  
## pl\_nameKepler-1500 b NaN  
## pl\_nameKepler-1501 b NaN  
## pl\_nameKepler-1502 b NaN  
## pl\_nameKepler-1503 b NaN  
## pl\_nameKepler-1504 b NaN  
## pl\_nameKepler-1505 b NaN  
## pl\_nameKepler-1506 b NaN  
## pl\_nameKepler-1507 b NaN  
## pl\_nameKepler-1508 b NaN  
## pl\_nameKepler-1509 b NaN  
## pl\_nameKepler-151 b NaN  
## pl\_nameKepler-151 c NaN  
## pl\_nameKepler-1510 b NaN  
## pl\_nameKepler-1511 b NaN  
## pl\_nameKepler-1512 b NaN  
## pl\_nameKepler-1513 b NaN  
## pl\_nameKepler-1514 b NaN  
## pl\_nameKepler-1514 c NaN  
## pl\_nameKepler-1515 b NaN  
## pl\_nameKepler-1516 b NaN  
## pl\_nameKepler-1517 b NaN  
## pl\_nameKepler-1518 b NaN  
## pl\_nameKepler-1518 c NaN  
## pl\_nameKepler-1519 b NaN  
## pl\_nameKepler-152 b NaN  
## pl\_nameKepler-152 c NaN  
## pl\_nameKepler-1520 b NaN  
## pl\_nameKepler-1521 b NaN  
## pl\_nameKepler-1522 b NaN  
## pl\_nameKepler-1523 b NaN  
## pl\_nameKepler-1524 b NaN  
## pl\_nameKepler-1525 b NaN  
## pl\_nameKepler-1526 b NaN  
## pl\_nameKepler-1527 b NaN  
## pl\_nameKepler-1528 b NaN  
## pl\_nameKepler-1529 b NaN  
## pl\_nameKepler-153 b NaN  
## pl\_nameKepler-153 c NaN  
## pl\_nameKepler-1530 b NaN  
## pl\_nameKepler-1530 c NaN  
## pl\_nameKepler-1530 d NaN  
## pl\_nameKepler-1531 b NaN  
## pl\_nameKepler-1532 b NaN  
## pl\_nameKepler-1533 b NaN  
## pl\_nameKepler-1534 b NaN  
## pl\_nameKepler-1535 b NaN  
## pl\_nameKepler-1536 b NaN  
## pl\_nameKepler-1537 b NaN  
## pl\_nameKepler-1538 b NaN  
## pl\_nameKepler-1539 b NaN  
## pl\_nameKepler-154 b NaN  
## pl\_nameKepler-154 c NaN  
## pl\_nameKepler-154 d NaN  
## pl\_nameKepler-154 e NaN  
## pl\_nameKepler-154 f NaN  
## pl\_nameKepler-1540 b NaN  
## pl\_nameKepler-1541 b NaN  
## pl\_nameKepler-1542 b NaN  
## pl\_nameKepler-1542 c NaN  
## pl\_nameKepler-1542 d NaN  
## pl\_nameKepler-1542 e NaN  
## pl\_nameKepler-1543 b NaN  
## pl\_nameKepler-1544 b NaN  
## pl\_nameKepler-1545 b NaN  
## pl\_nameKepler-1546 b NaN  
## pl\_nameKepler-1547 b NaN  
## pl\_nameKepler-1548 b NaN  
## pl\_nameKepler-1549 b NaN  
## pl\_nameKepler-155 b NaN  
## pl\_nameKepler-155 c NaN  
## pl\_nameKepler-1550 b NaN  
## pl\_nameKepler-1551 b NaN  
## pl\_nameKepler-1552 b NaN  
## pl\_nameKepler-1553 b NaN  
## pl\_nameKepler-1554 b NaN  
## pl\_nameKepler-1555 b NaN  
## pl\_nameKepler-1556 b NaN  
## pl\_nameKepler-1557 b NaN  
## pl\_nameKepler-1558 b NaN  
## pl\_nameKepler-1559 b NaN  
## pl\_nameKepler-156 b NaN  
## pl\_nameKepler-156 c NaN  
## pl\_nameKepler-1560 b NaN  
## pl\_nameKepler-1561 b NaN  
## pl\_nameKepler-1562 b NaN  
## pl\_nameKepler-1563 b NaN  
## pl\_nameKepler-1564 b NaN  
## pl\_nameKepler-1565 b NaN  
## pl\_nameKepler-1566 b NaN  
## pl\_nameKepler-1567 b NaN  
## pl\_nameKepler-1568 b NaN  
## pl\_nameKepler-1569 b NaN  
## pl\_nameKepler-157 b NaN  
## pl\_nameKepler-157 c NaN  
## pl\_nameKepler-157 d NaN  
## pl\_nameKepler-1570 b NaN  
## pl\_nameKepler-1571 b NaN  
## pl\_nameKepler-1572 b NaN  
## pl\_nameKepler-1573 b NaN  
## pl\_nameKepler-1574 b NaN  
## pl\_nameKepler-1575 b NaN  
## pl\_nameKepler-1576 b NaN  
## pl\_nameKepler-1577 b NaN  
## pl\_nameKepler-1578 b NaN  
## pl\_nameKepler-1579 b NaN  
## pl\_nameKepler-158 b NaN  
## pl\_nameKepler-158 c NaN  
## pl\_nameKepler-1580 b NaN  
## pl\_nameKepler-1581 b NaN  
## pl\_nameKepler-1582 b NaN  
## pl\_nameKepler-1583 b NaN  
## pl\_nameKepler-1584 b NaN  
## pl\_nameKepler-1585 b NaN  
## pl\_nameKepler-1586 b NaN  
## pl\_nameKepler-1587 b NaN  
## pl\_nameKepler-1588 b NaN  
## pl\_nameKepler-1589 b NaN  
## pl\_nameKepler-159 b NaN  
## pl\_nameKepler-159 c NaN  
## pl\_nameKepler-1590 b NaN  
## pl\_nameKepler-1591 b NaN  
## pl\_nameKepler-1592 b NaN  
## pl\_nameKepler-1593 b NaN  
## pl\_nameKepler-1594 b NaN  
## pl\_nameKepler-1595 b NaN  
## pl\_nameKepler-1596 b NaN  
## pl\_nameKepler-1597 b NaN  
## pl\_nameKepler-1598 b NaN  
## pl\_nameKepler-1599 b NaN  
## pl\_nameKepler-16 b NaN  
## pl\_nameKepler-160 b NaN  
## pl\_nameKepler-160 c NaN  
## pl\_nameKepler-1600 b NaN  
## pl\_nameKepler-1600 c NaN  
## pl\_nameKepler-1601 b NaN  
## pl\_nameKepler-1602 b NaN  
## pl\_nameKepler-1603 b NaN  
## pl\_nameKepler-1604 b NaN  
## pl\_nameKepler-1605 b NaN  
## pl\_nameKepler-1606 b NaN  
## pl\_nameKepler-1607 b NaN  
## pl\_nameKepler-1608 b NaN  
## pl\_nameKepler-1609 b NaN  
## pl\_nameKepler-161 b NaN  
## pl\_nameKepler-161 c NaN  
## pl\_nameKepler-1610 b NaN  
## pl\_nameKepler-1610 c NaN  
## pl\_nameKepler-1611 b NaN  
## pl\_nameKepler-1612 b NaN  
## pl\_nameKepler-1613 b NaN  
## pl\_nameKepler-1614 b NaN  
## pl\_nameKepler-1615 b NaN  
## pl\_nameKepler-1616 b NaN  
## pl\_nameKepler-1617 b NaN  
## pl\_nameKepler-1618 b NaN  
## pl\_nameKepler-1619 b NaN  
## pl\_nameKepler-162 b NaN  
## pl\_nameKepler-162 c NaN  
## pl\_nameKepler-1620 b NaN  
## pl\_nameKepler-1621 b NaN  
## pl\_nameKepler-1622 b NaN  
## pl\_nameKepler-1623 b NaN  
## pl\_nameKepler-1624 b NaN  
## pl\_nameKepler-1625 b NaN  
## pl\_nameKepler-1626 b NaN  
## pl\_nameKepler-1627 b NaN  
## pl\_nameKepler-1628 b NaN  
## pl\_nameKepler-1629 b NaN  
## pl\_nameKepler-163 b NaN  
## pl\_nameKepler-163 c NaN  
## pl\_nameKepler-1630 b NaN  
## pl\_nameKepler-1631 b NaN  
## pl\_nameKepler-1632 b NaN  
## pl\_nameKepler-1633 b NaN  
## pl\_nameKepler-1634 b NaN  
## pl\_nameKepler-1635 b NaN  
## pl\_nameKepler-1636 b NaN  
## pl\_nameKepler-1637 b NaN  
## pl\_nameKepler-1638 b NaN  
## pl\_nameKepler-1639 b NaN  
## pl\_nameKepler-164 b NaN  
## pl\_nameKepler-164 c NaN  
## pl\_nameKepler-164 d NaN  
## pl\_nameKepler-164 e NaN  
## pl\_nameKepler-1640 b NaN  
## pl\_nameKepler-1641 b NaN  
## pl\_nameKepler-1641 c NaN  
## pl\_nameKepler-1642 b NaN  
## pl\_nameKepler-1642 c NaN  
## pl\_nameKepler-1643 b NaN  
## pl\_nameKepler-1644 b NaN  
## pl\_nameKepler-1645 b NaN  
## pl\_nameKepler-1646 b NaN  
## pl\_nameKepler-1647 b NaN  
## pl\_nameKepler-1649 b NaN  
## pl\_nameKepler-1649 c NaN  
## pl\_nameKepler-165 b NaN  
## pl\_nameKepler-165 c NaN  
## pl\_nameKepler-1650 b NaN  
## pl\_nameKepler-1651 b NaN  
## pl\_nameKepler-1652 b NaN  
## pl\_nameKepler-1654 b NaN  
## pl\_nameKepler-1655 b NaN  
## pl\_nameKepler-1656 b NaN  
## pl\_nameKepler-1656 c NaN  
## pl\_nameKepler-1658 b NaN  
## pl\_nameKepler-166 b NaN  
## pl\_nameKepler-166 c NaN  
## pl\_nameKepler-166 d NaN  
## pl\_nameKepler-1661 b NaN  
## pl\_nameKepler-1663 b NaN  
## pl\_nameKepler-1664 b NaN  
## pl\_nameKepler-1665 b NaN  
## pl\_nameKepler-1666 b NaN  
## pl\_nameKepler-1666 c NaN  
## pl\_nameKepler-1667 b NaN  
## pl\_nameKepler-1668 b NaN  
## pl\_nameKepler-1669 b NaN  
## pl\_nameKepler-1669 c NaN  
## pl\_nameKepler-1669 d NaN  
## pl\_nameKepler-167 b NaN  
## pl\_nameKepler-167 c NaN  
## pl\_nameKepler-167 d NaN  
## pl\_nameKepler-167 e NaN  
## pl\_nameKepler-1670 b NaN  
## pl\_nameKepler-1671 b NaN  
## pl\_nameKepler-1672 b NaN  
## pl\_nameKepler-1673 b NaN  
## pl\_nameKepler-1674 b NaN  
## pl\_nameKepler-1675 b NaN  
## pl\_nameKepler-1677 b NaN  
## pl\_nameKepler-1678 b NaN  
## pl\_nameKepler-1679 b NaN  
## pl\_nameKepler-168 b NaN  
## pl\_nameKepler-168 c NaN  
## pl\_nameKepler-1680 b NaN  
## pl\_nameKepler-1681 b NaN  
## pl\_nameKepler-1682 b NaN  
## pl\_nameKepler-1683 b NaN  
## pl\_nameKepler-1684 b NaN  
## pl\_nameKepler-1685 b NaN  
## pl\_nameKepler-1686 b NaN  
## pl\_nameKepler-1687 b NaN  
## pl\_nameKepler-1688 b NaN  
## pl\_nameKepler-1689 b NaN  
## pl\_nameKepler-169 b NaN  
## pl\_nameKepler-169 c NaN  
## pl\_nameKepler-169 d NaN  
## pl\_nameKepler-169 e NaN  
## pl\_nameKepler-169 f NaN  
## pl\_nameKepler-1690 b NaN  
## pl\_nameKepler-1691 b NaN  
## pl\_nameKepler-1692 b NaN  
## pl\_nameKepler-1693 b NaN  
## pl\_nameKepler-1693 c NaN  
## pl\_nameKepler-1694 b NaN  
## pl\_nameKepler-1695 b NaN  
## pl\_nameKepler-1696 b NaN  
## pl\_nameKepler-1697 b NaN  
## pl\_nameKepler-1698 b NaN  
## pl\_nameKepler-1699 b NaN  
## pl\_nameKepler-17 b NaN  
## pl\_nameKepler-170 b NaN  
## pl\_nameKepler-170 c NaN  
## pl\_nameKepler-1700 b NaN  
## pl\_nameKepler-1701 b NaN  
## pl\_nameKepler-1702 b NaN  
## pl\_nameKepler-1704 b NaN  
## pl\_nameKepler-1705 b NaN  
## pl\_nameKepler-1709 b NaN  
## pl\_nameKepler-171 b NaN  
## pl\_nameKepler-171 c NaN  
## pl\_nameKepler-171 d NaN  
## pl\_nameKepler-1710 b NaN  
## pl\_nameKepler-1711 b NaN  
## pl\_nameKepler-1712 b NaN  
## pl\_nameKepler-1713 b NaN  
## pl\_nameKepler-1714 b NaN  
## pl\_nameKepler-1715 b NaN  
## pl\_nameKepler-1716 b NaN  
## pl\_nameKepler-1717 b NaN  
## pl\_nameKepler-1718 b NaN  
## pl\_nameKepler-1719 b NaN  
## pl\_nameKepler-172 b NaN  
## pl\_nameKepler-172 c NaN  
## pl\_nameKepler-172 d NaN  
## pl\_nameKepler-172 e NaN  
## pl\_nameKepler-1720 b NaN  
## pl\_nameKepler-1721 b NaN  
## pl\_nameKepler-1722 b NaN  
## pl\_nameKepler-1723 b NaN  
## pl\_nameKepler-1724 b NaN  
## pl\_nameKepler-1725 b NaN  
## pl\_nameKepler-1726 b NaN  
## pl\_nameKepler-1727 b NaN  
## pl\_nameKepler-1728 b NaN  
## pl\_nameKepler-1729 b NaN  
## pl\_nameKepler-173 b NaN  
## pl\_nameKepler-173 c NaN  
## pl\_nameKepler-1730 b NaN  
## pl\_nameKepler-1731 b NaN  
## pl\_nameKepler-1732 b NaN  
## pl\_nameKepler-1733 b NaN  
## pl\_nameKepler-1734 b NaN  
## pl\_nameKepler-1735 b NaN  
## pl\_nameKepler-1736 b NaN  
## pl\_nameKepler-1738 b NaN  
## pl\_nameKepler-1739 b NaN  
## pl\_nameKepler-174 b NaN  
## pl\_nameKepler-174 c NaN  
## pl\_nameKepler-174 d NaN  
## pl\_nameKepler-1740 b NaN  
## pl\_nameKepler-1741 b NaN  
## pl\_nameKepler-1742 b NaN  
## pl\_nameKepler-1743 b NaN  
## pl\_nameKepler-1744 b NaN  
## pl\_nameKepler-1745 b NaN  
## pl\_nameKepler-1746 b NaN  
## pl\_nameKepler-1747 b NaN  
## pl\_nameKepler-1748 b NaN  
## pl\_nameKepler-1749 b NaN  
## pl\_nameKepler-175 b NaN  
## pl\_nameKepler-175 c NaN  
## pl\_nameKepler-1750 b NaN  
## pl\_nameKepler-1751 b NaN  
## pl\_nameKepler-1752 b NaN  
## pl\_nameKepler-1753 b NaN  
## pl\_nameKepler-1754 b NaN  
## pl\_nameKepler-1755 b NaN  
## pl\_nameKepler-1757 b NaN  
## pl\_nameKepler-1758 b NaN  
## pl\_nameKepler-1759 b NaN  
## pl\_nameKepler-176 b NaN  
## pl\_nameKepler-176 c NaN  
## pl\_nameKepler-176 d NaN  
## pl\_nameKepler-176 e NaN  
## pl\_nameKepler-1761 b NaN  
## pl\_nameKepler-1762 b NaN  
## pl\_nameKepler-1763 b NaN  
## pl\_nameKepler-1764 b NaN  
## pl\_nameKepler-1765 b NaN  
## pl\_nameKepler-1766 b NaN  
## pl\_nameKepler-1767 b NaN  
## pl\_nameKepler-1768 b NaN  
## pl\_nameKepler-1769 b NaN  
## pl\_nameKepler-177 b NaN  
## pl\_nameKepler-177 c NaN  
## pl\_nameKepler-1770 b NaN  
## pl\_nameKepler-1771 b NaN  
## pl\_nameKepler-1772 b NaN  
## pl\_nameKepler-1773 b NaN  
## pl\_nameKepler-1774 b NaN  
## pl\_nameKepler-1775 b NaN  
## pl\_nameKepler-1776 b NaN  
## pl\_nameKepler-1777 b NaN  
## pl\_nameKepler-1778 b NaN  
## pl\_nameKepler-1779 b NaN  
## pl\_nameKepler-178 b NaN  
## pl\_nameKepler-178 c NaN  
## pl\_nameKepler-178 d NaN  
## pl\_nameKepler-1780 b NaN  
## pl\_nameKepler-1781 b NaN  
## pl\_nameKepler-1782 b NaN  
## pl\_nameKepler-1783 b NaN  
## pl\_nameKepler-1784 b NaN  
## pl\_nameKepler-1785 b NaN  
## pl\_nameKepler-1786 b NaN  
## pl\_nameKepler-1787 b NaN  
## pl\_nameKepler-1788 b NaN  
## pl\_nameKepler-1789 b NaN  
## pl\_nameKepler-179 b NaN  
## pl\_nameKepler-179 c NaN  
## pl\_nameKepler-1790 b NaN  
## pl\_nameKepler-1791 b NaN  
## pl\_nameKepler-1792 b NaN  
## pl\_nameKepler-1793 b NaN  
## pl\_nameKepler-1794 b NaN  
## pl\_nameKepler-1796 b NaN  
## pl\_nameKepler-1797 b NaN  
## pl\_nameKepler-1798 b NaN  
## pl\_nameKepler-1799 b NaN  
## pl\_nameKepler-18 b NaN  
## pl\_nameKepler-18 c NaN  
## pl\_nameKepler-18 d NaN  
## pl\_nameKepler-180 b NaN  
## pl\_nameKepler-180 c NaN  
## pl\_nameKepler-1800 b NaN  
## pl\_nameKepler-1801 b NaN  
## pl\_nameKepler-1801 c NaN  
## pl\_nameKepler-1802 b NaN  
## pl\_nameKepler-1802 c NaN  
## pl\_nameKepler-1804 b NaN  
## pl\_nameKepler-1805 b NaN  
## pl\_nameKepler-1806 b NaN  
## pl\_nameKepler-1807 b NaN  
## pl\_nameKepler-1808 b NaN  
## pl\_nameKepler-1809 b NaN  
## pl\_nameKepler-181 b NaN  
## pl\_nameKepler-181 c NaN  
## pl\_nameKepler-1810 b NaN  
## pl\_nameKepler-1811 b NaN  
## pl\_nameKepler-1812 b NaN  
## pl\_nameKepler-1814 b NaN  
## pl\_nameKepler-1814 c NaN  
## pl\_nameKepler-1815 b NaN  
## pl\_nameKepler-1816 b NaN  
## pl\_nameKepler-1817 b NaN  
## pl\_nameKepler-1818 b NaN  
## pl\_nameKepler-1819 b NaN  
## pl\_nameKepler-182 b NaN  
## pl\_nameKepler-182 c NaN  
## pl\_nameKepler-1820 b NaN  
## pl\_nameKepler-1821 b NaN  
## pl\_nameKepler-1822 b NaN  
## pl\_nameKepler-1823 b NaN  
## pl\_nameKepler-1824 b NaN  
## pl\_nameKepler-1825 b NaN  
## pl\_nameKepler-1826 b NaN  
## pl\_nameKepler-1827 b NaN  
## pl\_nameKepler-1828 b NaN  
## pl\_nameKepler-1829 b NaN  
## pl\_nameKepler-183 b NaN  
## pl\_nameKepler-183 c NaN  
## pl\_nameKepler-1830 b NaN  
## pl\_nameKepler-1831 b NaN  
## pl\_nameKepler-1832 b NaN  
## pl\_nameKepler-1833 b NaN  
## pl\_nameKepler-1834 b NaN  
## pl\_nameKepler-1834 c NaN  
## pl\_nameKepler-1835 b NaN  
## pl\_nameKepler-1836 b NaN  
## pl\_nameKepler-1837 b NaN  
## pl\_nameKepler-1838 b NaN  
## pl\_nameKepler-1839 b NaN  
## pl\_nameKepler-184 b NaN  
## pl\_nameKepler-184 c NaN  
## pl\_nameKepler-184 d NaN  
## pl\_nameKepler-1840 b NaN  
## pl\_nameKepler-1841 b NaN  
## pl\_nameKepler-1842 b NaN  
## pl\_nameKepler-1843 b NaN  
## pl\_nameKepler-1844 b NaN  
## pl\_nameKepler-1845 b NaN  
## pl\_nameKepler-1846 b NaN  
## pl\_nameKepler-1847 b NaN  
## pl\_nameKepler-1848 b NaN  
## pl\_nameKepler-1849 b NaN  
## pl\_nameKepler-185 b NaN  
## pl\_nameKepler-185 c NaN  
## pl\_nameKepler-1850 b NaN  
## pl\_nameKepler-1851 b NaN  
## pl\_nameKepler-1852 b NaN  
## pl\_nameKepler-1853 b NaN  
## pl\_nameKepler-1854 b NaN  
## pl\_nameKepler-1856 b NaN  
## pl\_nameKepler-1857 b NaN  
## pl\_nameKepler-1858 b NaN  
## pl\_nameKepler-1859 b NaN  
## pl\_nameKepler-1859 c NaN  
## pl\_nameKepler-186 b NaN  
## pl\_nameKepler-186 c NaN  
## pl\_nameKepler-186 d NaN  
## pl\_nameKepler-186 e NaN  
## pl\_nameKepler-186 f NaN  
## pl\_nameKepler-1860 b NaN  
## pl\_nameKepler-1861 b NaN  
## pl\_nameKepler-1862 b NaN  
## pl\_nameKepler-1863 b NaN  
## pl\_nameKepler-1864 b NaN  
## pl\_nameKepler-1865 b NaN  
## pl\_nameKepler-1866 b NaN  
## pl\_nameKepler-1867 b NaN  
## pl\_nameKepler-1868 b NaN  
## pl\_nameKepler-1869 b NaN  
## pl\_nameKepler-1869 c NaN  
## pl\_nameKepler-187 b NaN  
## pl\_nameKepler-187 c NaN  
## pl\_nameKepler-1870 b NaN  
## pl\_nameKepler-1871 b NaN  
## pl\_nameKepler-1872 b NaN  
## pl\_nameKepler-1873 b NaN  
## pl\_nameKepler-1874 b NaN  
## pl\_nameKepler-1875 b NaN  
## pl\_nameKepler-1876 b NaN  
## pl\_nameKepler-1877 b NaN  
## pl\_nameKepler-1878 b NaN  
## pl\_nameKepler-1879 b NaN  
## pl\_nameKepler-188 b NaN  
## pl\_nameKepler-188 c NaN  
## pl\_nameKepler-1880 b NaN  
## pl\_nameKepler-1881 b NaN  
## pl\_nameKepler-1882 b NaN  
## pl\_nameKepler-1883 b NaN  
## pl\_nameKepler-1884 b NaN  
## pl\_nameKepler-1885 b NaN  
## pl\_nameKepler-1886 b NaN  
## pl\_nameKepler-1887 b NaN  
## pl\_nameKepler-1888 b NaN  
## pl\_nameKepler-1889 b NaN  
## pl\_nameKepler-189 b NaN  
## pl\_nameKepler-189 c NaN  
## pl\_nameKepler-1890 b NaN  
## pl\_nameKepler-1891 b NaN  
## pl\_nameKepler-1892 b NaN  
## pl\_nameKepler-1893 b NaN  
## pl\_nameKepler-1894 b NaN  
## pl\_nameKepler-1894 c NaN  
## pl\_nameKepler-1895 b NaN  
## pl\_nameKepler-1896 b NaN  
## pl\_nameKepler-1897 b NaN  
## pl\_nameKepler-1898 b NaN  
## pl\_nameKepler-1899 b NaN  
## pl\_nameKepler-19 b NaN  
## pl\_nameKepler-190 b NaN  
## pl\_nameKepler-190 c NaN  
## pl\_nameKepler-1900 b NaN  
## pl\_nameKepler-1901 b NaN  
## pl\_nameKepler-1902 b NaN  
## pl\_nameKepler-1903 b NaN  
## pl\_nameKepler-1904 b NaN  
## pl\_nameKepler-1905 b NaN  
## pl\_nameKepler-1906 b NaN  
## pl\_nameKepler-1907 b NaN  
## pl\_nameKepler-1907 c NaN  
## pl\_nameKepler-1909 b NaN  
## pl\_nameKepler-191 b NaN  
## pl\_nameKepler-191 c NaN  
## pl\_nameKepler-191 d NaN  
## pl\_nameKepler-1911 b NaN  
## pl\_nameKepler-1912 b NaN  
## pl\_nameKepler-1913 b NaN  
## pl\_nameKepler-1914 b NaN  
## pl\_nameKepler-1915 b NaN  
## pl\_nameKepler-1916 b NaN  
## pl\_nameKepler-1917 b NaN  
## pl\_nameKepler-1918 b NaN  
## pl\_nameKepler-1919 b NaN  
## pl\_nameKepler-192 b NaN  
## pl\_nameKepler-192 c NaN  
## pl\_nameKepler-192 d NaN  
## pl\_nameKepler-1920 b NaN  
## pl\_nameKepler-1921 b NaN  
## pl\_nameKepler-1921 c NaN  
## pl\_nameKepler-1922 b NaN  
## pl\_nameKepler-1923 b NaN  
## pl\_nameKepler-1924 b NaN  
## pl\_nameKepler-1925 b NaN  
## pl\_nameKepler-1926 b NaN  
## pl\_nameKepler-1927 b NaN  
## pl\_nameKepler-1928 b NaN  
## pl\_nameKepler-1929 b NaN  
## pl\_nameKepler-193 b NaN  
## pl\_nameKepler-193 c NaN  
## pl\_nameKepler-1930 b NaN  
## pl\_nameKepler-1931 b NaN  
## pl\_nameKepler-1932 b NaN  
## pl\_nameKepler-1933 b NaN  
## pl\_nameKepler-1934 b NaN  
## pl\_nameKepler-1935 b NaN  
## pl\_nameKepler-1936 b NaN  
## pl\_nameKepler-1937 b NaN  
## pl\_nameKepler-1938 b NaN  
## pl\_nameKepler-1939 b NaN  
## pl\_nameKepler-194 b NaN  
## pl\_nameKepler-194 c NaN  
## pl\_nameKepler-194 d NaN  
## pl\_nameKepler-1940 b NaN  
## pl\_nameKepler-1941 b NaN  
## pl\_nameKepler-1942 b NaN  
## pl\_nameKepler-1943 b NaN  
## pl\_nameKepler-1944 b NaN  
## pl\_nameKepler-1946 b NaN  
## pl\_nameKepler-1947 b NaN  
## pl\_nameKepler-1948 b NaN  
## pl\_nameKepler-1949 b NaN  
## pl\_nameKepler-195 b NaN  
## pl\_nameKepler-195 c NaN  
## pl\_nameKepler-1950 b NaN  
## pl\_nameKepler-1951 b NaN  
## pl\_nameKepler-1952 b NaN  
## pl\_nameKepler-1953 b NaN  
## pl\_nameKepler-1954 b NaN  
## pl\_nameKepler-1955 b NaN  
## pl\_nameKepler-1956 b NaN  
## pl\_nameKepler-1957 b NaN  
## pl\_nameKepler-1958 b NaN  
## pl\_nameKepler-1959 b NaN  
## pl\_nameKepler-196 b NaN  
## pl\_nameKepler-196 c NaN  
## pl\_nameKepler-196 d NaN  
## pl\_nameKepler-1960 b NaN  
## pl\_nameKepler-1961 b NaN  
## pl\_nameKepler-1962 b NaN  
## pl\_nameKepler-1963 b NaN  
## pl\_nameKepler-1965 b NaN  
## pl\_nameKepler-1966 b NaN  
## pl\_nameKepler-1967 b NaN  
## pl\_nameKepler-1968 b NaN  
## pl\_nameKepler-1969 b NaN  
## pl\_nameKepler-197 b NaN  
## pl\_nameKepler-197 c NaN  
## pl\_nameKepler-197 d NaN  
## pl\_nameKepler-197 e NaN  
## pl\_nameKepler-1972 b NaN  
## pl\_nameKepler-1972 c NaN  
## pl\_nameKepler-1977 b NaN  
## pl\_nameKepler-1978 b NaN  
## pl\_nameKepler-1979 b NaN  
## pl\_nameKepler-198 b NaN  
## pl\_nameKepler-198 c NaN  
## pl\_nameKepler-198 d NaN  
## pl\_nameKepler-1980 b NaN  
## pl\_nameKepler-1981 b NaN  
## pl\_nameKepler-1982 b NaN  
## pl\_nameKepler-1983 b NaN  
## pl\_nameKepler-1986 b NaN  
## pl\_nameKepler-1987 b NaN  
## pl\_nameKepler-1987 c NaN  
## pl\_nameKepler-1987 d NaN  
## pl\_nameKepler-1987 e NaN  
## pl\_nameKepler-1988 b NaN  
## pl\_nameKepler-1989 b NaN  
## pl\_nameKepler-199 b NaN  
## pl\_nameKepler-199 c NaN  
## pl\_nameKepler-1990 b NaN  
## pl\_nameKepler-1990 c NaN  
## pl\_nameKepler-1991 b NaN  
## pl\_nameKepler-1991 c NaN  
## pl\_nameKepler-1992 b NaN  
## pl\_nameKepler-1993 b NaN  
## pl\_nameKepler-1994 b NaN  
## pl\_nameKepler-1995 b NaN  
## pl\_nameKepler-1996 b NaN  
## pl\_nameKepler-1996 c NaN  
## pl\_nameKepler-1997 b NaN  
## pl\_nameKepler-1998 b NaN  
## pl\_nameKepler-1999 b NaN  
## pl\_nameKepler-20 b NaN  
## pl\_nameKepler-20 c NaN  
## pl\_nameKepler-20 d NaN  
## pl\_nameKepler-20 e NaN  
## pl\_nameKepler-20 f NaN  
## pl\_nameKepler-20 g NaN  
## pl\_nameKepler-200 b NaN  
## pl\_nameKepler-200 c NaN  
## pl\_nameKepler-2000 b NaN  
## pl\_nameKepler-2000 c NaN  
## pl\_nameKepler-2001 b NaN  
## pl\_nameKepler-2001 c NaN  
## pl\_nameKepler-201 b NaN  
## pl\_nameKepler-201 c NaN  
## pl\_nameKepler-202 b NaN  
## pl\_nameKepler-202 c NaN  
## pl\_nameKepler-203 b NaN  
## pl\_nameKepler-203 c NaN  
## pl\_nameKepler-203 d NaN  
## pl\_nameKepler-204 b NaN  
## pl\_nameKepler-204 c NaN  
## pl\_nameKepler-205 b NaN  
## pl\_nameKepler-205 c NaN  
## pl\_nameKepler-206 b NaN  
## pl\_nameKepler-206 c NaN  
## pl\_nameKepler-206 d NaN  
## pl\_nameKepler-207 b NaN  
## pl\_nameKepler-207 c NaN  
## pl\_nameKepler-207 d NaN  
## pl\_nameKepler-208 b NaN  
## pl\_nameKepler-208 c NaN  
## pl\_nameKepler-208 d NaN  
## pl\_nameKepler-208 e NaN  
## pl\_nameKepler-209 b NaN  
## pl\_nameKepler-209 c NaN  
## pl\_nameKepler-21 b NaN  
## pl\_nameKepler-210 b NaN  
## pl\_nameKepler-210 c NaN  
## pl\_nameKepler-211 b NaN  
## pl\_nameKepler-211 c NaN  
## pl\_nameKepler-212 b NaN  
## pl\_nameKepler-212 c NaN  
## pl\_nameKepler-213 b NaN  
## pl\_nameKepler-213 c NaN  
## pl\_nameKepler-214 b NaN  
## pl\_nameKepler-214 c NaN  
## pl\_nameKepler-215 b NaN  
## pl\_nameKepler-215 c NaN  
## pl\_nameKepler-215 d NaN  
## pl\_nameKepler-215 e NaN  
## pl\_nameKepler-216 b NaN  
## pl\_nameKepler-216 c NaN  
## pl\_nameKepler-217 b NaN  
## pl\_nameKepler-217 c NaN  
## pl\_nameKepler-217 d NaN  
## pl\_nameKepler-218 b NaN  
## pl\_nameKepler-218 c NaN  
## pl\_nameKepler-218 d NaN  
## pl\_nameKepler-219 b NaN  
## pl\_nameKepler-219 c NaN  
## pl\_nameKepler-219 d NaN  
## pl\_nameKepler-22 b NaN  
## pl\_nameKepler-220 b NaN  
## pl\_nameKepler-220 c NaN  
## pl\_nameKepler-220 d NaN  
## pl\_nameKepler-220 e NaN  
## pl\_nameKepler-221 b NaN  
## pl\_nameKepler-221 c NaN  
## pl\_nameKepler-221 d NaN  
## pl\_nameKepler-221 e NaN  
## pl\_nameKepler-222 b NaN  
## pl\_nameKepler-222 c NaN  
## pl\_nameKepler-222 d NaN  
## pl\_nameKepler-223 b NaN  
## pl\_nameKepler-223 c NaN  
## pl\_nameKepler-223 d NaN  
## pl\_nameKepler-223 e NaN  
## pl\_nameKepler-224 b NaN  
## pl\_nameKepler-224 c NaN  
## pl\_nameKepler-224 d NaN  
## pl\_nameKepler-224 e NaN  
## pl\_nameKepler-225 b NaN  
## pl\_nameKepler-225 c NaN  
## pl\_nameKepler-226 b NaN  
## pl\_nameKepler-226 c NaN  
## pl\_nameKepler-226 d NaN  
## pl\_nameKepler-227 b NaN  
## pl\_nameKepler-227 c NaN  
## pl\_nameKepler-228 b NaN  
## pl\_nameKepler-228 c NaN  
## pl\_nameKepler-228 d NaN  
## pl\_nameKepler-229 b NaN  
## pl\_nameKepler-229 c NaN  
## pl\_nameKepler-229 d NaN  
## pl\_nameKepler-23 d NaN  
## pl\_nameKepler-230 b NaN  
## pl\_nameKepler-230 c NaN  
## pl\_nameKepler-231 b NaN  
## pl\_nameKepler-231 c NaN  
## pl\_nameKepler-232 b NaN  
## pl\_nameKepler-232 c NaN  
## pl\_nameKepler-233 b NaN  
## pl\_nameKepler-233 c NaN  
## pl\_nameKepler-234 b NaN  
## pl\_nameKepler-234 c NaN  
## pl\_nameKepler-235 b NaN  
## pl\_nameKepler-235 c NaN  
## pl\_nameKepler-235 d NaN  
## pl\_nameKepler-235 e NaN  
## pl\_nameKepler-236 b NaN  
## pl\_nameKepler-236 c NaN  
## pl\_nameKepler-237 b NaN  
## pl\_nameKepler-237 c NaN  
## pl\_nameKepler-238 b NaN  
## pl\_nameKepler-238 c NaN  
## pl\_nameKepler-238 d NaN  
## pl\_nameKepler-238 e NaN  
## pl\_nameKepler-238 f NaN  
## pl\_nameKepler-239 b NaN  
## pl\_nameKepler-239 c NaN  
## pl\_nameKepler-24 d NaN  
## pl\_nameKepler-24 e NaN  
## pl\_nameKepler-240 b NaN  
## pl\_nameKepler-240 c NaN  
## pl\_nameKepler-241 b NaN  
## pl\_nameKepler-241 c NaN  
## pl\_nameKepler-242 b NaN  
## pl\_nameKepler-242 c NaN  
## pl\_nameKepler-243 b NaN  
## pl\_nameKepler-243 c NaN  
## pl\_nameKepler-244 b NaN  
## pl\_nameKepler-244 c NaN  
## pl\_nameKepler-244 d NaN  
## pl\_nameKepler-245 b NaN  
## pl\_nameKepler-245 c NaN  
## pl\_nameKepler-245 d NaN  
## pl\_nameKepler-245 e NaN  
## pl\_nameKepler-246 b NaN  
## pl\_nameKepler-246 c NaN  
## pl\_nameKepler-247 b NaN  
## pl\_nameKepler-247 c NaN  
## pl\_nameKepler-247 d NaN  
## pl\_nameKepler-248 b NaN  
## pl\_nameKepler-248 c NaN  
## pl\_nameKepler-249 b NaN  
## pl\_nameKepler-249 c NaN  
## pl\_nameKepler-249 d NaN  
## pl\_nameKepler-25 b NaN  
## pl\_nameKepler-25 c NaN  
## pl\_nameKepler-250 b NaN  
## pl\_nameKepler-250 c NaN  
## pl\_nameKepler-250 d NaN  
## pl\_nameKepler-251 b NaN  
## pl\_nameKepler-251 c NaN  
## pl\_nameKepler-251 d NaN  
## pl\_nameKepler-251 e NaN  
## pl\_nameKepler-252 b NaN  
## pl\_nameKepler-252 c NaN  
## pl\_nameKepler-253 b NaN  
## pl\_nameKepler-253 c NaN  
## pl\_nameKepler-253 d NaN  
## pl\_nameKepler-254 b NaN  
## pl\_nameKepler-254 c NaN  
## pl\_nameKepler-254 d NaN  
## pl\_nameKepler-255 b NaN  
## pl\_nameKepler-255 c NaN  
## pl\_nameKepler-255 d NaN  
## pl\_nameKepler-256 b NaN  
## pl\_nameKepler-256 c NaN  
## pl\_nameKepler-256 d NaN  
## pl\_nameKepler-256 e NaN  
## pl\_nameKepler-257 b NaN  
## pl\_nameKepler-257 c NaN  
## pl\_nameKepler-257 d NaN  
## pl\_nameKepler-258 b NaN  
## pl\_nameKepler-258 c NaN  
## pl\_nameKepler-259 b NaN  
## pl\_nameKepler-259 c NaN  
## pl\_nameKepler-26 b NaN  
## pl\_nameKepler-26 c NaN  
## pl\_nameKepler-26 d NaN  
## pl\_nameKepler-26 e NaN  
## pl\_nameKepler-260 b NaN  
## pl\_nameKepler-260 c NaN  
## pl\_nameKepler-261 b NaN  
## pl\_nameKepler-261 c NaN  
## pl\_nameKepler-262 b NaN  
## pl\_nameKepler-262 c NaN  
## pl\_nameKepler-263 b NaN  
## pl\_nameKepler-263 c NaN  
## pl\_nameKepler-264 b NaN  
## pl\_nameKepler-264 c NaN  
## pl\_nameKepler-265 b NaN  
## pl\_nameKepler-265 c NaN  
## pl\_nameKepler-265 d NaN  
## pl\_nameKepler-265 e NaN  
## pl\_nameKepler-266 b NaN  
## pl\_nameKepler-266 c NaN  
## pl\_nameKepler-267 b NaN  
## pl\_nameKepler-267 c NaN  
## pl\_nameKepler-267 d NaN  
## pl\_nameKepler-268 b NaN  
## pl\_nameKepler-268 c NaN  
## pl\_nameKepler-269 b NaN  
## pl\_nameKepler-269 c NaN  
## pl\_nameKepler-27 d NaN  
## pl\_nameKepler-270 b NaN  
## pl\_nameKepler-270 c NaN  
## pl\_nameKepler-271 b NaN  
## pl\_nameKepler-271 c NaN  
## pl\_nameKepler-271 d NaN  
## pl\_nameKepler-272 b NaN  
## pl\_nameKepler-272 c NaN  
## pl\_nameKepler-272 d NaN  
## pl\_nameKepler-273 b NaN  
## pl\_nameKepler-273 c NaN  
## pl\_nameKepler-274 b NaN  
## pl\_nameKepler-274 c NaN  
## pl\_nameKepler-275 b NaN  
## pl\_nameKepler-275 c NaN  
## pl\_nameKepler-275 d NaN  
## pl\_nameKepler-276 b NaN  
## pl\_nameKepler-276 c NaN  
## pl\_nameKepler-276 d NaN  
## pl\_nameKepler-277 b NaN  
## pl\_nameKepler-277 c NaN  
## pl\_nameKepler-278 b NaN  
## pl\_nameKepler-278 c NaN  
## pl\_nameKepler-279 b NaN  
## pl\_nameKepler-279 c NaN  
## pl\_nameKepler-279 d NaN  
## pl\_nameKepler-280 b NaN  
## pl\_nameKepler-280 c NaN  
## pl\_nameKepler-281 b NaN  
## pl\_nameKepler-281 c NaN  
## pl\_nameKepler-281 d NaN  
## pl\_nameKepler-282 b NaN  
## pl\_nameKepler-282 c NaN  
## pl\_nameKepler-282 d NaN  
## pl\_nameKepler-282 e NaN  
## pl\_nameKepler-283 b NaN  
## pl\_nameKepler-283 c NaN  
## pl\_nameKepler-284 b NaN  
## pl\_nameKepler-284 c NaN  
## pl\_nameKepler-285 b NaN  
## pl\_nameKepler-285 c NaN  
## pl\_nameKepler-286 b NaN  
## pl\_nameKepler-286 c NaN  
## pl\_nameKepler-286 d NaN  
## pl\_nameKepler-286 e NaN  
## pl\_nameKepler-287 b NaN  
## pl\_nameKepler-287 c NaN  
## pl\_nameKepler-288 b NaN  
## pl\_nameKepler-288 c NaN  
## pl\_nameKepler-288 d NaN  
## pl\_nameKepler-289 b NaN  
## pl\_nameKepler-289 c NaN  
## pl\_nameKepler-29 b NaN  
## pl\_nameKepler-29 c NaN  
## pl\_nameKepler-290 b NaN  
## pl\_nameKepler-290 c NaN  
## pl\_nameKepler-290 d NaN  
## pl\_nameKepler-291 b NaN  
## pl\_nameKepler-291 c NaN  
## pl\_nameKepler-292 b NaN  
## pl\_nameKepler-292 c NaN  
## pl\_nameKepler-292 d NaN  
## pl\_nameKepler-292 e NaN  
## pl\_nameKepler-292 f NaN  
## pl\_nameKepler-293 b NaN  
## pl\_nameKepler-293 c NaN  
## pl\_nameKepler-294 b NaN  
## pl\_nameKepler-294 c NaN  
## pl\_nameKepler-295 b NaN  
## pl\_nameKepler-295 c NaN  
## pl\_nameKepler-295 d NaN  
## pl\_nameKepler-296 b NaN  
## pl\_nameKepler-296 c NaN  
## pl\_nameKepler-296 d NaN  
## pl\_nameKepler-296 e NaN  
## pl\_nameKepler-296 f NaN  
## pl\_nameKepler-297 b NaN  
## pl\_nameKepler-297 c NaN  
## pl\_nameKepler-297 d NaN  
## pl\_nameKepler-298 b NaN  
## pl\_nameKepler-298 c NaN  
## pl\_nameKepler-298 d NaN  
## pl\_nameKepler-299 b NaN  
## pl\_nameKepler-299 c NaN  
## pl\_nameKepler-299 d NaN  
## pl\_nameKepler-299 e NaN  
## pl\_nameKepler-30 b NaN  
## pl\_nameKepler-30 c NaN  
## pl\_nameKepler-30 d NaN  
## pl\_nameKepler-300 b NaN  
## pl\_nameKepler-300 c NaN  
## pl\_nameKepler-301 b NaN  
## pl\_nameKepler-301 c NaN  
## pl\_nameKepler-301 d NaN  
## pl\_nameKepler-302 b NaN  
## pl\_nameKepler-303 b NaN  
## pl\_nameKepler-303 c NaN  
## pl\_nameKepler-304 b NaN  
## pl\_nameKepler-304 c NaN  
## pl\_nameKepler-304 d NaN  
## pl\_nameKepler-304 e NaN  
## pl\_nameKepler-305 b NaN  
## pl\_nameKepler-305 c NaN  
## pl\_nameKepler-305 d NaN  
## pl\_nameKepler-305 e NaN  
## pl\_nameKepler-306 b NaN  
## pl\_nameKepler-306 c NaN  
## pl\_nameKepler-306 d NaN  
## pl\_nameKepler-306 e NaN  
## pl\_nameKepler-307 b NaN  
## pl\_nameKepler-307 c NaN  
## pl\_nameKepler-308 b NaN  
## pl\_nameKepler-308 c NaN  
## pl\_nameKepler-309 b NaN  
## pl\_nameKepler-309 c NaN  
## pl\_nameKepler-31 b NaN  
## pl\_nameKepler-310 b NaN  
## pl\_nameKepler-310 c NaN  
## pl\_nameKepler-310 d NaN  
## pl\_nameKepler-311 b NaN  
## pl\_nameKepler-311 c NaN  
## pl\_nameKepler-311 d NaN  
## pl\_nameKepler-312 b NaN  
## pl\_nameKepler-312 c NaN  
## pl\_nameKepler-313 b NaN  
## pl\_nameKepler-313 c NaN  
## pl\_nameKepler-314 b NaN  
## pl\_nameKepler-314 c NaN  
## pl\_nameKepler-315 b NaN  
## pl\_nameKepler-315 c NaN  
## pl\_nameKepler-316 b NaN  
## pl\_nameKepler-316 c NaN  
## pl\_nameKepler-317 b NaN  
## pl\_nameKepler-317 c NaN  
## pl\_nameKepler-318 b NaN  
## pl\_nameKepler-318 c NaN  
## pl\_nameKepler-319 b NaN  
## pl\_nameKepler-319 c NaN  
## pl\_nameKepler-319 d NaN  
## pl\_nameKepler-32 d NaN  
## pl\_nameKepler-32 e NaN  
## pl\_nameKepler-32 f NaN  
## pl\_nameKepler-320 b NaN  
## pl\_nameKepler-320 c NaN  
## pl\_nameKepler-321 b NaN  
## pl\_nameKepler-321 c NaN  
## pl\_nameKepler-322 b NaN  
## pl\_nameKepler-322 c NaN  
## pl\_nameKepler-323 b NaN  
## pl\_nameKepler-323 c NaN  
## pl\_nameKepler-324 b NaN  
## pl\_nameKepler-324 c NaN  
## pl\_nameKepler-324 e NaN  
## pl\_nameKepler-325 b NaN  
## pl\_nameKepler-325 c NaN  
## pl\_nameKepler-325 d NaN  
## pl\_nameKepler-326 b NaN  
## pl\_nameKepler-326 c NaN  
## pl\_nameKepler-326 d NaN  
## pl\_nameKepler-327 b NaN  
## pl\_nameKepler-327 c NaN  
## pl\_nameKepler-327 d NaN  
## pl\_nameKepler-328 b NaN  
## pl\_nameKepler-328 c NaN  
## pl\_nameKepler-329 b NaN  
## pl\_nameKepler-329 c NaN  
## pl\_nameKepler-33 b NaN  
## pl\_nameKepler-33 c NaN  
## pl\_nameKepler-33 d NaN  
## pl\_nameKepler-33 e NaN  
## pl\_nameKepler-33 f NaN  
## pl\_nameKepler-330 b NaN  
## pl\_nameKepler-330 c NaN  
## pl\_nameKepler-331 b NaN  
## pl\_nameKepler-331 c NaN  
## pl\_nameKepler-331 d NaN  
## pl\_nameKepler-332 b NaN  
## pl\_nameKepler-332 c NaN  
## pl\_nameKepler-332 d NaN  
## pl\_nameKepler-333 b NaN  
## pl\_nameKepler-333 c NaN  
## pl\_nameKepler-334 b NaN  
## pl\_nameKepler-334 c NaN  
## pl\_nameKepler-334 d NaN  
## pl\_nameKepler-335 b NaN  
## pl\_nameKepler-335 c NaN  
## pl\_nameKepler-336 b NaN  
## pl\_nameKepler-336 c NaN  
## pl\_nameKepler-336 d NaN  
## pl\_nameKepler-337 b NaN  
## pl\_nameKepler-337 c NaN  
## pl\_nameKepler-338 b NaN  
## pl\_nameKepler-338 c NaN  
## pl\_nameKepler-338 d NaN  
## pl\_nameKepler-338 e NaN  
## pl\_nameKepler-339 b NaN  
## pl\_nameKepler-339 c NaN  
## pl\_nameKepler-339 d NaN  
## pl\_nameKepler-34 b NaN  
## pl\_nameKepler-340 b NaN  
## pl\_nameKepler-340 c NaN  
## pl\_nameKepler-341 b NaN  
## pl\_nameKepler-341 c NaN  
## pl\_nameKepler-341 d NaN  
## pl\_nameKepler-341 e NaN  
## pl\_nameKepler-342 b NaN  
## pl\_nameKepler-342 c NaN  
## pl\_nameKepler-342 d NaN  
## pl\_nameKepler-342 e NaN  
## pl\_nameKepler-343 b NaN  
## pl\_nameKepler-343 c NaN  
## pl\_nameKepler-344 b NaN  
## pl\_nameKepler-344 c NaN  
## pl\_nameKepler-345 b NaN  
## pl\_nameKepler-345 c NaN  
## pl\_nameKepler-346 b NaN  
## pl\_nameKepler-346 c NaN  
## pl\_nameKepler-347 b NaN  
## pl\_nameKepler-347 c NaN  
## pl\_nameKepler-347 d NaN  
## pl\_nameKepler-348 b NaN  
## pl\_nameKepler-348 c NaN  
## pl\_nameKepler-349 b NaN  
## pl\_nameKepler-349 c NaN  
## pl\_nameKepler-35 b NaN  
## pl\_nameKepler-350 b NaN  
## pl\_nameKepler-350 c NaN  
## pl\_nameKepler-350 d NaN  
## pl\_nameKepler-351 b NaN  
## pl\_nameKepler-351 c NaN  
## pl\_nameKepler-351 d NaN  
## pl\_nameKepler-352 b NaN  
## pl\_nameKepler-352 c NaN  
## pl\_nameKepler-352 d NaN  
## pl\_nameKepler-353 b NaN  
## pl\_nameKepler-353 c NaN  
## pl\_nameKepler-354 b NaN  
## pl\_nameKepler-354 c NaN  
## pl\_nameKepler-354 d NaN  
## pl\_nameKepler-355 b NaN  
## pl\_nameKepler-355 c NaN  
## pl\_nameKepler-356 b NaN  
## pl\_nameKepler-356 c NaN  
## pl\_nameKepler-357 b NaN  
## pl\_nameKepler-357 c NaN  
## pl\_nameKepler-357 d NaN  
## pl\_nameKepler-358 b NaN  
## pl\_nameKepler-358 c NaN  
## pl\_nameKepler-359 b NaN  
## pl\_nameKepler-359 c NaN  
## pl\_nameKepler-359 d NaN  
## pl\_nameKepler-36 b NaN  
## pl\_nameKepler-36 c NaN  
## pl\_nameKepler-360 b NaN  
## pl\_nameKepler-360 c NaN  
## pl\_nameKepler-361 b NaN  
## pl\_nameKepler-361 c NaN  
## pl\_nameKepler-362 b NaN  
## pl\_nameKepler-362 c NaN  
## pl\_nameKepler-363 b NaN  
## pl\_nameKepler-363 c NaN  
## pl\_nameKepler-363 d NaN  
## pl\_nameKepler-364 b NaN  
## pl\_nameKepler-364 c NaN  
## pl\_nameKepler-366 b NaN  
## pl\_nameKepler-366 c NaN  
## pl\_nameKepler-367 b NaN  
## pl\_nameKepler-367 c NaN  
## pl\_nameKepler-368 b NaN  
## pl\_nameKepler-368 c NaN  
## pl\_nameKepler-369 b NaN  
## pl\_nameKepler-369 c NaN  
## pl\_nameKepler-37 b NaN  
## pl\_nameKepler-37 c NaN  
## pl\_nameKepler-37 d NaN  
## pl\_nameKepler-370 b NaN  
## pl\_nameKepler-370 c NaN  
## pl\_nameKepler-371 b NaN  
## pl\_nameKepler-371 c NaN  
## pl\_nameKepler-372 b NaN  
## pl\_nameKepler-372 c NaN  
## pl\_nameKepler-372 d NaN  
## pl\_nameKepler-373 b NaN  
## pl\_nameKepler-373 c NaN  
## pl\_nameKepler-374 b NaN  
## pl\_nameKepler-374 c NaN  
## pl\_nameKepler-374 d NaN  
## pl\_nameKepler-375 b NaN  
## pl\_nameKepler-375 c NaN  
## pl\_nameKepler-376 b NaN  
## pl\_nameKepler-376 c NaN  
## pl\_nameKepler-377 b NaN  
## pl\_nameKepler-377 c NaN  
## pl\_nameKepler-378 b NaN  
## pl\_nameKepler-378 c NaN  
## pl\_nameKepler-379 b NaN  
## pl\_nameKepler-379 c NaN  
## pl\_nameKepler-380 b NaN  
## pl\_nameKepler-380 c NaN  
## pl\_nameKepler-381 b NaN  
## pl\_nameKepler-381 c NaN  
## pl\_nameKepler-381 d NaN  
## pl\_nameKepler-382 b NaN  
## pl\_nameKepler-382 c NaN  
## pl\_nameKepler-383 b NaN  
## pl\_nameKepler-383 c NaN  
## pl\_nameKepler-384 b NaN  
## pl\_nameKepler-384 c NaN  
## pl\_nameKepler-385 b NaN  
## pl\_nameKepler-385 c NaN  
## pl\_nameKepler-385 d NaN  
## pl\_nameKepler-386 b NaN  
## pl\_nameKepler-386 c NaN  
## pl\_nameKepler-387 b NaN  
## pl\_nameKepler-387 c NaN  
## pl\_nameKepler-388 b NaN  
## pl\_nameKepler-388 c NaN  
## pl\_nameKepler-389 b NaN  
## pl\_nameKepler-389 c NaN  
## pl\_nameKepler-39 b NaN  
## pl\_nameKepler-390 b NaN  
## pl\_nameKepler-390 c NaN  
## pl\_nameKepler-391 b NaN  
## pl\_nameKepler-391 c NaN  
## pl\_nameKepler-392 b NaN  
## pl\_nameKepler-392 c NaN  
## pl\_nameKepler-393 b NaN  
## pl\_nameKepler-393 c NaN  
## pl\_nameKepler-394 b NaN  
## pl\_nameKepler-394 c NaN  
## pl\_nameKepler-394 d NaN  
## pl\_nameKepler-395 b NaN  
## pl\_nameKepler-395 c NaN  
## pl\_nameKepler-396 b NaN  
## pl\_nameKepler-396 c NaN  
## pl\_nameKepler-398 b NaN  
## pl\_nameKepler-398 c NaN  
## pl\_nameKepler-398 d NaN  
## pl\_nameKepler-399 b NaN  
## pl\_nameKepler-399 c NaN  
## pl\_nameKepler-399 d NaN  
## pl\_nameKepler-4 b NaN  
## pl\_nameKepler-40 b NaN  
## pl\_nameKepler-400 b NaN  
## pl\_nameKepler-400 c NaN  
## pl\_nameKepler-401 b NaN  
## pl\_nameKepler-401 c NaN  
## pl\_nameKepler-401 d NaN  
## pl\_nameKepler-402 b NaN  
## pl\_nameKepler-402 c NaN  
## pl\_nameKepler-402 d NaN  
## pl\_nameKepler-402 e NaN  
## pl\_nameKepler-403 b NaN  
## pl\_nameKepler-403 c NaN  
## pl\_nameKepler-403 d NaN  
## pl\_nameKepler-404 b NaN  
## pl\_nameKepler-404 c NaN  
## pl\_nameKepler-405 b NaN  
## pl\_nameKepler-405 c NaN  
## pl\_nameKepler-406 b NaN  
## pl\_nameKepler-406 c NaN  
## pl\_nameKepler-409 b NaN  
## pl\_nameKepler-41 b NaN  
## pl\_nameKepler-410 A b NaN  
## pl\_nameKepler-411 b NaN  
## pl\_nameKepler-411 c NaN  
## pl\_nameKepler-411 d NaN  
## pl\_nameKepler-411 e NaN  
## pl\_nameKepler-412 b NaN  
## pl\_nameKepler-413 b NaN  
## pl\_nameKepler-414 b NaN  
## pl\_nameKepler-414 c NaN  
## pl\_nameKepler-415 b NaN  
## pl\_nameKepler-415 c NaN  
## pl\_nameKepler-416 b NaN  
## pl\_nameKepler-416 c NaN  
## pl\_nameKepler-416 d NaN  
## pl\_nameKepler-417 b NaN  
## pl\_nameKepler-417 c NaN  
## pl\_nameKepler-418 c NaN  
## pl\_nameKepler-419 b NaN  
## pl\_nameKepler-419 c NaN  
## pl\_nameKepler-42 b NaN  
## pl\_nameKepler-42 c NaN  
## pl\_nameKepler-42 d NaN  
## pl\_nameKepler-421 b NaN  
## pl\_nameKepler-422 b NaN  
## pl\_nameKepler-423 b NaN  
## pl\_nameKepler-424 b NaN  
## pl\_nameKepler-425 b NaN  
## pl\_nameKepler-426 b NaN  
## pl\_nameKepler-427 b NaN  
## pl\_nameKepler-428 b NaN  
## pl\_nameKepler-43 b NaN  
## pl\_nameKepler-430 b NaN  
## pl\_nameKepler-430 c NaN  
## pl\_nameKepler-431 b NaN  
## pl\_nameKepler-431 c NaN  
## pl\_nameKepler-431 d NaN  
## pl\_nameKepler-432 b NaN  
## pl\_nameKepler-433 b NaN  
## pl\_nameKepler-434 b NaN  
## pl\_nameKepler-435 b NaN  
## pl\_nameKepler-436 b NaN  
## pl\_nameKepler-436 c NaN  
## pl\_nameKepler-437 b NaN  
## pl\_nameKepler-438 b NaN  
## pl\_nameKepler-439 b NaN  
## pl\_nameKepler-44 b NaN  
## pl\_nameKepler-440 b NaN  
## pl\_nameKepler-441 b NaN  
## pl\_nameKepler-442 b NaN  
## pl\_nameKepler-443 b NaN  
## pl\_nameKepler-444 b NaN  
## pl\_nameKepler-444 c NaN  
## pl\_nameKepler-444 d NaN  
## pl\_nameKepler-444 e NaN  
## pl\_nameKepler-444 f NaN  
## pl\_nameKepler-445 b NaN  
## pl\_nameKepler-445 c NaN  
## pl\_nameKepler-445 d NaN  
## pl\_nameKepler-446 b NaN  
## pl\_nameKepler-446 c NaN  
## pl\_nameKepler-446 d NaN  
## pl\_nameKepler-447 b NaN  
## pl\_nameKepler-448 c NaN  
## pl\_nameKepler-449 b NaN  
## pl\_nameKepler-449 c NaN  
## pl\_nameKepler-45 b NaN  
## pl\_nameKepler-450 b NaN  
## pl\_nameKepler-450 c NaN  
## pl\_nameKepler-450 d NaN  
## pl\_nameKepler-452 b NaN  
## pl\_nameKepler-454 b NaN  
## pl\_nameKepler-454 c NaN  
## pl\_nameKepler-454 d NaN  
## pl\_nameKepler-457 d NaN  
## pl\_nameKepler-458 c NaN  
## pl\_nameKepler-46 b NaN  
## pl\_nameKepler-46 c NaN  
## pl\_nameKepler-46 d NaN  
## pl\_nameKepler-460 c NaN  
## pl\_nameKepler-461 b NaN  
## pl\_nameKepler-462 b NaN  
## pl\_nameKepler-462 c NaN  
## pl\_nameKepler-463 b NaN  
## pl\_nameKepler-464 b NaN  
## pl\_nameKepler-465 b NaN  
## pl\_nameKepler-466 b NaN  
## pl\_nameKepler-466 c NaN  
## pl\_nameKepler-467 b NaN  
## pl\_nameKepler-47 b NaN  
## pl\_nameKepler-47 c NaN  
## pl\_nameKepler-47 d NaN  
## pl\_nameKepler-470 b NaN  
## pl\_nameKepler-471 b NaN  
## pl\_nameKepler-472 b NaN  
## pl\_nameKepler-473 b NaN  
## pl\_nameKepler-474 b NaN  
## pl\_nameKepler-475 b NaN  
## pl\_nameKepler-476 b NaN  
## pl\_nameKepler-478 b NaN  
## pl\_nameKepler-479 b NaN  
## pl\_nameKepler-48 b NaN  
## pl\_nameKepler-48 c NaN  
## pl\_nameKepler-48 d NaN  
## pl\_nameKepler-480 b NaN  
## pl\_nameKepler-481 b NaN  
## pl\_nameKepler-482 b NaN  
## pl\_nameKepler-483 b NaN  
## pl\_nameKepler-484 b NaN  
## pl\_nameKepler-485 b NaN  
## pl\_nameKepler-487 c NaN  
## pl\_nameKepler-487 d NaN  
## pl\_nameKepler-488 b NaN  
## pl\_nameKepler-489 b NaN  
## pl\_nameKepler-49 b NaN  
## pl\_nameKepler-49 c NaN  
## pl\_nameKepler-49 d NaN  
## pl\_nameKepler-49 e NaN  
## pl\_nameKepler-491 b NaN  
## pl\_nameKepler-493 b NaN  
## pl\_nameKepler-494 b NaN  
## pl\_nameKepler-495 b NaN  
## pl\_nameKepler-495 c NaN  
## pl\_nameKepler-496 b NaN  
## pl\_nameKepler-497 b NaN  
## pl\_nameKepler-498 b NaN  
## pl\_nameKepler-499 b NaN  
## pl\_nameKepler-5 b NaN  
## pl\_nameKepler-500 b NaN  
## pl\_nameKepler-501 b NaN  
## pl\_nameKepler-501 c NaN  
## pl\_nameKepler-502 b NaN  
## pl\_nameKepler-504 b NaN  
## pl\_nameKepler-505 b NaN  
## pl\_nameKepler-506 b NaN  
## pl\_nameKepler-507 b NaN  
## pl\_nameKepler-508 b NaN  
## pl\_nameKepler-509 b NaN  
## pl\_nameKepler-51 b NaN  
## pl\_nameKepler-51 c NaN  
## pl\_nameKepler-51 d NaN  
## pl\_nameKepler-510 b NaN  
## pl\_nameKepler-511 b NaN  
## pl\_nameKepler-511 c NaN  
## pl\_nameKepler-512 b NaN  
## pl\_nameKepler-513 b NaN  
## pl\_nameKepler-514 b NaN  
## pl\_nameKepler-516 b NaN  
## pl\_nameKepler-517 b NaN  
## pl\_nameKepler-518 b NaN  
## pl\_nameKepler-519 b NaN  
## pl\_nameKepler-52 d NaN  
## pl\_nameKepler-520 b NaN  
## pl\_nameKepler-520 c NaN  
## pl\_nameKepler-521 b NaN  
## pl\_nameKepler-522 b NaN  
## pl\_nameKepler-523 b NaN  
## pl\_nameKepler-524 b NaN  
## pl\_nameKepler-524 c NaN  
## pl\_nameKepler-525 b NaN  
## pl\_nameKepler-526 b NaN  
## pl\_nameKepler-527 b NaN  
## pl\_nameKepler-528 b NaN  
## pl\_nameKepler-529 b NaN  
## pl\_nameKepler-529 c NaN  
## pl\_nameKepler-529 d NaN  
## pl\_nameKepler-53 d NaN  
## pl\_nameKepler-530 b NaN  
## pl\_nameKepler-531 b NaN  
## pl\_nameKepler-532 b NaN  
## pl\_nameKepler-533 b NaN  
## pl\_nameKepler-534 b NaN  
## pl\_nameKepler-534 c NaN  
## pl\_nameKepler-535 b NaN  
## pl\_nameKepler-536 b NaN  
## pl\_nameKepler-537 b NaN  
## pl\_nameKepler-538 b NaN  
## pl\_nameKepler-539 b NaN  
## pl\_nameKepler-539 c NaN  
## pl\_nameKepler-54 b NaN  
## pl\_nameKepler-54 c NaN  
## pl\_nameKepler-54 d NaN  
## pl\_nameKepler-540 b NaN  
## pl\_nameKepler-541 b NaN  
## pl\_nameKepler-542 b NaN  
## pl\_nameKepler-543 b NaN  
## pl\_nameKepler-544 b NaN  
## pl\_nameKepler-545 b NaN  
## pl\_nameKepler-546 b NaN  
## pl\_nameKepler-547 b NaN  
## pl\_nameKepler-549 b NaN  
## pl\_nameKepler-549 c NaN  
## pl\_nameKepler-549 d NaN  
## pl\_nameKepler-55 b NaN  
## pl\_nameKepler-55 c NaN  
## pl\_nameKepler-55 d NaN  
## pl\_nameKepler-55 e NaN  
## pl\_nameKepler-55 f NaN  
## pl\_nameKepler-550 b NaN  
## pl\_nameKepler-551 b NaN  
## pl\_nameKepler-552 b NaN  
## pl\_nameKepler-553 b NaN  
## pl\_nameKepler-554 b NaN  
## pl\_nameKepler-555 b NaN  
## pl\_nameKepler-556 b NaN  
## pl\_nameKepler-557 b NaN  
## pl\_nameKepler-558 b NaN  
## pl\_nameKepler-559 b NaN  
## pl\_nameKepler-56 b NaN  
## pl\_nameKepler-56 c NaN  
## pl\_nameKepler-56 d NaN  
## pl\_nameKepler-560 b NaN  
## pl\_nameKepler-561 b NaN  
## pl\_nameKepler-561 c NaN  
## pl\_nameKepler-562 b NaN  
## pl\_nameKepler-563 b NaN  
## pl\_nameKepler-564 b NaN  
## pl\_nameKepler-566 b NaN  
## pl\_nameKepler-567 b NaN  
## pl\_nameKepler-568 b NaN  
## pl\_nameKepler-569 b NaN  
## pl\_nameKepler-570 b NaN  
## pl\_nameKepler-571 b NaN  
## pl\_nameKepler-572 b NaN  
## pl\_nameKepler-573 b NaN  
## pl\_nameKepler-574 b NaN  
## pl\_nameKepler-575 b NaN  
## pl\_nameKepler-576 b NaN  
## pl\_nameKepler-577 b NaN  
## pl\_nameKepler-578 b NaN  
## pl\_nameKepler-579 b NaN  
## pl\_nameKepler-58 d NaN  
## pl\_nameKepler-58 e NaN  
## pl\_nameKepler-580 b NaN  
## pl\_nameKepler-581 b NaN  
## pl\_nameKepler-582 b NaN  
## pl\_nameKepler-583 b NaN  
## pl\_nameKepler-584 b NaN  
## pl\_nameKepler-585 b NaN  
## pl\_nameKepler-586 b NaN  
## pl\_nameKepler-587 b NaN  
## pl\_nameKepler-588 b NaN  
## pl\_nameKepler-589 b NaN  
## pl\_nameKepler-589 c NaN  
## pl\_nameKepler-59 b NaN  
## pl\_nameKepler-59 c NaN  
## pl\_nameKepler-590 b NaN  
## pl\_nameKepler-591 b NaN  
## pl\_nameKepler-592 b NaN  
## pl\_nameKepler-593 b NaN  
## pl\_nameKepler-594 b NaN  
## pl\_nameKepler-595 b NaN  
## pl\_nameKepler-595 c NaN  
## pl\_nameKepler-596 b NaN  
## pl\_nameKepler-597 b NaN  
## pl\_nameKepler-598 b NaN  
## pl\_nameKepler-598 c NaN  
## pl\_nameKepler-599 b NaN  
## pl\_nameKepler-6 b NaN  
## pl\_nameKepler-60 b NaN  
## pl\_nameKepler-60 c NaN  
## pl\_nameKepler-60 d NaN  
## pl\_nameKepler-600 b NaN  
## pl\_nameKepler-601 b NaN  
## pl\_nameKepler-602 b NaN  
## pl\_nameKepler-603 b NaN  
## pl\_nameKepler-603 c NaN  
## pl\_nameKepler-603 d NaN  
## pl\_nameKepler-604 b NaN  
## pl\_nameKepler-605 b NaN  
## pl\_nameKepler-605 c NaN  
## pl\_nameKepler-606 b NaN  
## pl\_nameKepler-607 b NaN  
## pl\_nameKepler-607 c NaN  
## pl\_nameKepler-608 b NaN  
## pl\_nameKepler-609 b NaN  
## pl\_nameKepler-61 b NaN  
## pl\_nameKepler-610 b NaN  
## pl\_nameKepler-610 c NaN  
## pl\_nameKepler-611 b NaN  
## pl\_nameKepler-612 b NaN  
## pl\_nameKepler-613 b NaN  
## pl\_nameKepler-614 b NaN  
## pl\_nameKepler-615 b NaN  
## pl\_nameKepler-616 b NaN  
## pl\_nameKepler-616 c NaN  
## pl\_nameKepler-616 d NaN  
## pl\_nameKepler-617 b NaN  
## pl\_nameKepler-618 b NaN  
## pl\_nameKepler-618 d NaN  
## pl\_nameKepler-619 b NaN  
## pl\_nameKepler-619 c NaN  
## pl\_nameKepler-620 b NaN  
## pl\_nameKepler-621 b NaN  
## pl\_nameKepler-622 b NaN  
## pl\_nameKepler-623 b NaN  
## pl\_nameKepler-624 b NaN  
## pl\_nameKepler-625 b NaN  
## pl\_nameKepler-625 c NaN  
## pl\_nameKepler-626 b NaN  
## pl\_nameKepler-627 b NaN  
## pl\_nameKepler-628 b NaN  
## pl\_nameKepler-629 b NaN  
## pl\_nameKepler-63 b NaN  
## pl\_nameKepler-630 b NaN  
## pl\_nameKepler-631 b NaN  
## pl\_nameKepler-634 b NaN  
## pl\_nameKepler-635 b NaN  
## pl\_nameKepler-637 b NaN  
## pl\_nameKepler-638 b NaN  
## pl\_nameKepler-639 b NaN  
## pl\_nameKepler-640 b NaN  
## pl\_nameKepler-641 b NaN  
## pl\_nameKepler-642 b NaN  
## pl\_nameKepler-643 b NaN  
## pl\_nameKepler-644 b NaN  
## pl\_nameKepler-645 b NaN  
## pl\_nameKepler-646 b NaN  
## pl\_nameKepler-647 b NaN  
## pl\_nameKepler-647 c NaN  
## pl\_nameKepler-648 b NaN  
## pl\_nameKepler-649 b NaN  
## pl\_nameKepler-65 b NaN  
## pl\_nameKepler-65 c NaN  
## pl\_nameKepler-65 d NaN  
## pl\_nameKepler-650 b NaN  
## pl\_nameKepler-651 b NaN  
## pl\_nameKepler-652 b NaN  
## pl\_nameKepler-653 b NaN  
## pl\_nameKepler-653 c NaN  
## pl\_nameKepler-654 b NaN  
## pl\_nameKepler-655 b NaN  
## pl\_nameKepler-656 b NaN  
## pl\_nameKepler-656 c NaN  
## pl\_nameKepler-657 b NaN  
## pl\_nameKepler-658 b NaN  
## pl\_nameKepler-659 b NaN  
## pl\_nameKepler-66 b NaN  
## pl\_nameKepler-660 b NaN  
## pl\_nameKepler-661 b NaN  
## pl\_nameKepler-662 b NaN  
## pl\_nameKepler-663 b NaN  
## pl\_nameKepler-664 b NaN  
## pl\_nameKepler-665 b NaN  
## pl\_nameKepler-666 b NaN  
## pl\_nameKepler-667 b NaN  
## pl\_nameKepler-668 b NaN  
## pl\_nameKepler-669 b NaN  
## pl\_nameKepler-67 b NaN  
## pl\_nameKepler-671 b NaN  
## pl\_nameKepler-672 b NaN  
## pl\_nameKepler-673 b NaN  
## pl\_nameKepler-674 b NaN  
## pl\_nameKepler-675 b NaN  
## pl\_nameKepler-676 b NaN  
## pl\_nameKepler-677 b NaN  
## pl\_nameKepler-678 b NaN  
## pl\_nameKepler-679 b NaN  
## pl\_nameKepler-68 b NaN  
## pl\_nameKepler-68 c NaN  
## pl\_nameKepler-68 d NaN  
## pl\_nameKepler-68 e NaN  
## pl\_nameKepler-680 b NaN  
## pl\_nameKepler-681 b NaN  
## pl\_nameKepler-682 b NaN  
## pl\_nameKepler-683 b NaN  
## pl\_nameKepler-684 b NaN  
## pl\_nameKepler-685 b NaN  
## pl\_nameKepler-687 b NaN  
## pl\_nameKepler-688 b NaN  
## pl\_nameKepler-689 b NaN  
## pl\_nameKepler-69 b NaN  
## pl\_nameKepler-69 c NaN  
## pl\_nameKepler-690 b NaN  
## pl\_nameKepler-691 b NaN  
## pl\_nameKepler-692 b NaN  
## pl\_nameKepler-693 b NaN  
## pl\_nameKepler-694 b NaN  
## pl\_nameKepler-695 b NaN  
## pl\_nameKepler-696 b NaN  
## pl\_nameKepler-697 b NaN  
## pl\_nameKepler-698 b NaN  
## pl\_nameKepler-7 b NaN  
## pl\_nameKepler-700 b NaN  
## pl\_nameKepler-701 b NaN  
## pl\_nameKepler-702 b NaN  
## pl\_nameKepler-703 b NaN  
## pl\_nameKepler-704 b NaN  
## pl\_nameKepler-705 b NaN  
## pl\_nameKepler-707 b NaN  
## pl\_nameKepler-708 b NaN  
## pl\_nameKepler-709 b NaN  
## pl\_nameKepler-710 b NaN  
## pl\_nameKepler-711 b NaN  
## pl\_nameKepler-712 b NaN  
## pl\_nameKepler-712 c NaN  
## pl\_nameKepler-713 b NaN  
## pl\_nameKepler-714 b NaN  
## pl\_nameKepler-715 b NaN  
## pl\_nameKepler-716 b NaN  
## pl\_nameKepler-716 c NaN  
## pl\_nameKepler-717 b NaN  
## pl\_nameKepler-718 b NaN  
## pl\_nameKepler-719 b NaN  
## pl\_nameKepler-720 b NaN  
## pl\_nameKepler-721 b NaN  
## pl\_nameKepler-722 b NaN  
## pl\_nameKepler-722 c NaN  
## pl\_nameKepler-724 b NaN  
## pl\_nameKepler-725 b NaN  
## pl\_nameKepler-726 b NaN  
## pl\_nameKepler-727 b NaN  
## pl\_nameKepler-728 b NaN  
## pl\_nameKepler-729 b NaN  
## pl\_nameKepler-730 c NaN  
## pl\_nameKepler-732 b NaN  
## pl\_nameKepler-732 c NaN  
## pl\_nameKepler-733 b NaN  
## pl\_nameKepler-734 b NaN  
## pl\_nameKepler-735 b NaN  
## pl\_nameKepler-736 b NaN  
## pl\_nameKepler-737 b NaN  
## pl\_nameKepler-738 b NaN  
## pl\_nameKepler-739 b NaN  
## pl\_nameKepler-74 b NaN  
## pl\_nameKepler-740 b NaN  
## pl\_nameKepler-741 b NaN  
## pl\_nameKepler-742 b NaN  
## pl\_nameKepler-743 b NaN  
## pl\_nameKepler-744 b NaN  
## pl\_nameKepler-745 b NaN  
## pl\_nameKepler-746 b NaN  
## pl\_nameKepler-747 b NaN  
## pl\_nameKepler-748 b NaN  
## pl\_nameKepler-749 b NaN  
## pl\_nameKepler-75 b NaN  
## pl\_nameKepler-750 b NaN  
## pl\_nameKepler-750 c NaN  
## pl\_nameKepler-751 b NaN  
## pl\_nameKepler-752 b NaN  
## pl\_nameKepler-753 b NaN  
## pl\_nameKepler-754 b NaN  
## pl\_nameKepler-755 b NaN  
## pl\_nameKepler-755 c NaN  
## pl\_nameKepler-756 b NaN  
## pl\_nameKepler-757 b NaN  
## pl\_nameKepler-758 b NaN  
## pl\_nameKepler-758 c NaN  
## pl\_nameKepler-758 d NaN  
## pl\_nameKepler-758 e NaN  
## pl\_nameKepler-759 b NaN  
## pl\_nameKepler-76 b NaN  
## pl\_nameKepler-760 b NaN  
## pl\_nameKepler-760 c NaN  
## pl\_nameKepler-761 b NaN  
## pl\_nameKepler-763 b NaN  
## pl\_nameKepler-763 c NaN  
## pl\_nameKepler-763 d NaN  
## pl\_nameKepler-764 b NaN  
## pl\_nameKepler-765 b NaN  
## pl\_nameKepler-766 b NaN  
## pl\_nameKepler-767 b NaN  
## pl\_nameKepler-768 b NaN  
## pl\_nameKepler-769 b NaN  
## pl\_nameKepler-769 c NaN  
## pl\_nameKepler-77 b NaN  
## pl\_nameKepler-770 b NaN  
## pl\_nameKepler-770 c NaN  
## pl\_nameKepler-770 d NaN  
## pl\_nameKepler-771 b NaN  
## pl\_nameKepler-772 b NaN  
## pl\_nameKepler-773 b NaN  
## pl\_nameKepler-774 b NaN  
## pl\_nameKepler-775 b NaN  
## pl\_nameKepler-776 b NaN  
## pl\_nameKepler-777 b NaN  
## pl\_nameKepler-778 b NaN  
## pl\_nameKepler-779 b NaN  
## pl\_nameKepler-78 b NaN  
## pl\_nameKepler-780 b NaN  
## pl\_nameKepler-781 b NaN  
## pl\_nameKepler-782 b NaN  
## pl\_nameKepler-783 b NaN  
## pl\_nameKepler-783 c NaN  
## pl\_nameKepler-784 b NaN  
## pl\_nameKepler-784 c NaN  
## pl\_nameKepler-786 b NaN  
## pl\_nameKepler-787 b NaN  
## pl\_nameKepler-788 b NaN  
## pl\_nameKepler-789 b NaN  
## pl\_nameKepler-79 b NaN  
## pl\_nameKepler-79 c NaN  
## pl\_nameKepler-79 d NaN  
## pl\_nameKepler-79 e NaN  
## pl\_nameKepler-790 b NaN  
## pl\_nameKepler-791 b NaN  
## pl\_nameKepler-792 b NaN  
## pl\_nameKepler-793 b NaN  
## pl\_nameKepler-794 b NaN  
## pl\_nameKepler-795 b NaN  
## pl\_nameKepler-796 b NaN  
## pl\_nameKepler-797 b NaN  
## pl\_nameKepler-798 b NaN  
## pl\_nameKepler-8 b NaN  
## pl\_nameKepler-80 b NaN  
## pl\_nameKepler-80 c NaN  
## pl\_nameKepler-80 d NaN  
## pl\_nameKepler-80 e NaN  
## pl\_nameKepler-80 f NaN  
## pl\_nameKepler-800 b NaN  
## pl\_nameKepler-801 b NaN  
## pl\_nameKepler-802 b NaN  
## pl\_nameKepler-803 b NaN  
## pl\_nameKepler-804 b NaN  
## pl\_nameKepler-804 c NaN  
## pl\_nameKepler-805 b NaN  
## pl\_nameKepler-806 b NaN  
## pl\_nameKepler-807 b NaN  
## pl\_nameKepler-808 b NaN  
## pl\_nameKepler-809 b NaN  
## pl\_nameKepler-81 b NaN  
## pl\_nameKepler-81 c NaN  
## pl\_nameKepler-81 d NaN  
## pl\_nameKepler-810 b NaN  
## pl\_nameKepler-811 b NaN  
## pl\_nameKepler-812 b NaN  
## pl\_nameKepler-813 b NaN  
## pl\_nameKepler-814 b NaN  
## pl\_nameKepler-815 b NaN  
## pl\_nameKepler-816 b NaN  
## pl\_nameKepler-817 b NaN  
## pl\_nameKepler-818 b NaN  
## pl\_nameKepler-819 b NaN  
## pl\_nameKepler-82 b NaN  
## pl\_nameKepler-82 c NaN  
## pl\_nameKepler-82 d NaN  
## pl\_nameKepler-82 e NaN  
## pl\_nameKepler-82 f NaN  
## pl\_nameKepler-820 b NaN  
## pl\_nameKepler-821 b NaN  
## pl\_nameKepler-822 b NaN  
## pl\_nameKepler-823 b NaN  
## pl\_nameKepler-824 b NaN  
## pl\_nameKepler-825 b NaN  
## pl\_nameKepler-825 c NaN  
## pl\_nameKepler-826 b NaN  
## pl\_nameKepler-827 b NaN  
## pl\_nameKepler-828 b NaN  
## pl\_nameKepler-829 b NaN  
## pl\_nameKepler-83 b NaN  
## pl\_nameKepler-83 c NaN  
## pl\_nameKepler-83 d NaN  
## pl\_nameKepler-830 b NaN  
## pl\_nameKepler-831 b NaN  
## pl\_nameKepler-832 b NaN  
## pl\_nameKepler-833 b NaN  
## pl\_nameKepler-834 b NaN  
## pl\_nameKepler-835 b NaN  
## pl\_nameKepler-836 b NaN  
## pl\_nameKepler-837 b NaN  
## pl\_nameKepler-838 b NaN  
## pl\_nameKepler-839 b NaN  
## pl\_nameKepler-84 b NaN  
## pl\_nameKepler-84 c NaN  
## pl\_nameKepler-84 d NaN  
## pl\_nameKepler-84 e NaN  
## pl\_nameKepler-84 f NaN  
## pl\_nameKepler-841 b NaN  
## pl\_nameKepler-842 b NaN  
## pl\_nameKepler-843 b NaN  
## pl\_nameKepler-844 b NaN  
## pl\_nameKepler-845 b NaN  
## pl\_nameKepler-846 b NaN  
## pl\_nameKepler-847 b NaN  
## pl\_nameKepler-848 b NaN  
## pl\_nameKepler-849 b NaN  
## pl\_nameKepler-85 b NaN  
## pl\_nameKepler-85 c NaN  
## pl\_nameKepler-85 d NaN  
## pl\_nameKepler-85 e NaN  
## pl\_nameKepler-850 b NaN  
## pl\_nameKepler-851 b NaN  
## pl\_nameKepler-852 b NaN  
## pl\_nameKepler-853 b NaN  
## pl\_nameKepler-855 b NaN  
## pl\_nameKepler-856 b NaN  
## pl\_nameKepler-857 b NaN  
## pl\_nameKepler-858 b NaN  
## pl\_nameKepler-859 b NaN  
## pl\_nameKepler-860 b NaN  
## pl\_nameKepler-861 b NaN  
## pl\_nameKepler-862 b NaN  
## pl\_nameKepler-863 b NaN  
## pl\_nameKepler-864 b NaN  
## pl\_nameKepler-864 c NaN  
## pl\_nameKepler-865 b NaN  
## pl\_nameKepler-865 c NaN  
## pl\_nameKepler-866 b NaN  
## pl\_nameKepler-867 b NaN  
## pl\_nameKepler-868 b NaN  
## pl\_nameKepler-869 b NaN  
## pl\_nameKepler-87 b NaN  
## pl\_nameKepler-87 c NaN  
## pl\_nameKepler-870 b NaN  
## pl\_nameKepler-871 b NaN  
## pl\_nameKepler-872 b NaN  
## pl\_nameKepler-873 b NaN  
## pl\_nameKepler-874 b NaN  
## pl\_nameKepler-875 b NaN  
## pl\_nameKepler-876 b NaN  
## pl\_nameKepler-877 b NaN  
## pl\_nameKepler-878 b NaN  
## pl\_nameKepler-879 b NaN  
## pl\_nameKepler-880 b NaN  
## pl\_nameKepler-880 c NaN  
## pl\_nameKepler-881 b NaN  
## pl\_nameKepler-882 b NaN  
## pl\_nameKepler-883 b NaN  
## pl\_nameKepler-884 b NaN  
## pl\_nameKepler-885 b NaN  
## pl\_nameKepler-886 b NaN  
## pl\_nameKepler-887 b NaN  
## pl\_nameKepler-887 c NaN  
## pl\_nameKepler-888 b NaN  
## pl\_nameKepler-889 b NaN  
## pl\_nameKepler-890 b NaN  
## pl\_nameKepler-891 b NaN  
## pl\_nameKepler-892 b NaN  
## pl\_nameKepler-893 b NaN  
## pl\_nameKepler-894 b NaN  
## pl\_nameKepler-895 b NaN  
## pl\_nameKepler-896 b NaN  
## pl\_nameKepler-896 c NaN  
## pl\_nameKepler-897 b NaN  
## pl\_nameKepler-898 b NaN  
## pl\_nameKepler-899 b NaN  
## pl\_nameKepler-9 b NaN  
## pl\_nameKepler-9 c NaN  
## pl\_nameKepler-9 d NaN  
## pl\_nameKepler-900 b NaN  
## pl\_nameKepler-901 b NaN  
## pl\_nameKepler-902 b NaN  
## pl\_nameKepler-903 b NaN  
## pl\_nameKepler-903 c NaN  
## pl\_nameKepler-904 b NaN  
## pl\_nameKepler-905 b NaN  
## pl\_nameKepler-906 b NaN  
## pl\_nameKepler-907 b NaN  
## pl\_nameKepler-908 b NaN  
## pl\_nameKepler-909 b NaN  
## pl\_nameKepler-91 b NaN  
## pl\_nameKepler-910 b NaN  
## pl\_nameKepler-911 b NaN  
## pl\_nameKepler-912 b NaN  
## pl\_nameKepler-913 b NaN  
## pl\_nameKepler-913 c NaN  
## pl\_nameKepler-914 b NaN  
## pl\_nameKepler-915 b NaN  
## pl\_nameKepler-916 b NaN  
## pl\_nameKepler-917 b NaN  
## pl\_nameKepler-918 b NaN  
## pl\_nameKepler-919 b NaN  
## pl\_nameKepler-92 b NaN  
## pl\_nameKepler-92 c NaN  
## pl\_nameKepler-92 d NaN  
## pl\_nameKepler-920 b NaN  
## pl\_nameKepler-920 c NaN  
## pl\_nameKepler-921 b NaN  
## pl\_nameKepler-922 b NaN  
## pl\_nameKepler-923 b NaN  
## pl\_nameKepler-924 b NaN  
## pl\_nameKepler-925 b NaN  
## pl\_nameKepler-926 b NaN  
## pl\_nameKepler-927 b NaN  
## pl\_nameKepler-928 b NaN  
## pl\_nameKepler-929 b NaN  
## pl\_nameKepler-93 b NaN  
## pl\_nameKepler-930 b NaN  
## pl\_nameKepler-931 b NaN  
## pl\_nameKepler-932 b NaN  
## pl\_nameKepler-933 b NaN  
## pl\_nameKepler-934 b NaN  
## pl\_nameKepler-935 b NaN  
## pl\_nameKepler-936 b NaN  
## pl\_nameKepler-937 b NaN  
## pl\_nameKepler-937 c NaN  
## pl\_nameKepler-939 b NaN  
## pl\_nameKepler-94 b NaN  
## pl\_nameKepler-940 b NaN  
## pl\_nameKepler-941 b NaN  
## pl\_nameKepler-942 b NaN  
## pl\_nameKepler-943 b NaN  
## pl\_nameKepler-944 b NaN  
## pl\_nameKepler-945 b NaN  
## pl\_nameKepler-946 b NaN  
## pl\_nameKepler-947 b NaN  
## pl\_nameKepler-948 b NaN  
## pl\_nameKepler-949 b NaN  
## pl\_nameKepler-949 c NaN  
## pl\_nameKepler-95 b NaN  
## pl\_nameKepler-950 b NaN  
## pl\_nameKepler-951 b NaN  
## pl\_nameKepler-952 b NaN  
## pl\_nameKepler-953 b NaN  
## pl\_nameKepler-953 c NaN  
## pl\_nameKepler-954 b NaN  
## pl\_nameKepler-955 b NaN  
## pl\_nameKepler-956 b NaN  
## pl\_nameKepler-957 b NaN  
## pl\_nameKepler-958 b NaN  
## pl\_nameKepler-959 b NaN  
## pl\_nameKepler-96 b NaN  
## pl\_nameKepler-960 b NaN  
## pl\_nameKepler-961 b NaN  
## pl\_nameKepler-962 b NaN  
## pl\_nameKepler-963 b NaN  
## pl\_nameKepler-964 b NaN  
## pl\_nameKepler-965 b NaN  
## pl\_nameKepler-966 b NaN  
## pl\_nameKepler-967 b NaN  
## pl\_nameKepler-967 c NaN  
## pl\_nameKepler-968 b NaN  
## pl\_nameKepler-968 c NaN  
## pl\_nameKepler-969 b NaN  
## pl\_nameKepler-969 c NaN  
## pl\_nameKepler-97 b NaN  
## pl\_nameKepler-970 b NaN  
## pl\_nameKepler-971 b NaN  
## pl\_nameKepler-972 b NaN  
## pl\_nameKepler-973 b NaN  
## pl\_nameKepler-974 b NaN  
## pl\_nameKepler-975 b NaN  
## pl\_nameKepler-975 c NaN  
## pl\_nameKepler-976 b NaN  
## pl\_nameKepler-977 b NaN  
## pl\_nameKepler-978 b NaN  
## pl\_nameKepler-979 b NaN  
## pl\_nameKepler-98 b NaN  
## pl\_nameKepler-980 b NaN  
## pl\_nameKepler-981 b NaN  
## pl\_nameKepler-982 b NaN  
## pl\_nameKepler-983 b NaN  
## pl\_nameKepler-984 b NaN  
## pl\_nameKepler-985 b NaN  
## pl\_nameKepler-986 b NaN  
## pl\_nameKepler-987 b NaN  
## pl\_nameKepler-988 b NaN  
## pl\_nameKepler-989 b NaN  
## pl\_nameKepler-99 b NaN  
## pl\_nameKepler-990 b NaN  
## pl\_nameKepler-990 c NaN  
## pl\_nameKepler-991 b NaN  
## pl\_nameKepler-992 b NaN  
## pl\_nameKepler-993 b NaN  
## pl\_nameKepler-994 b NaN  
## pl\_nameKepler-995 b NaN  
## pl\_nameKepler-996 b NaN  
## pl\_nameKepler-997 b NaN  
## pl\_nameKepler-998 b NaN  
## pl\_nameKepler-999 b NaN  
## pl\_nameKIC 3526061 b NaN  
## pl\_nameKIC 5095269 b NaN  
## pl\_nameKIC 5437945 b NaN  
## pl\_nameKIC 9663113 b NaN  
## pl\_nameKOI-12 b NaN  
## pl\_nameKOI-1257 b NaN  
## pl\_nameKOI-13 b NaN  
## pl\_nameKOI-142 b NaN  
## pl\_nameKOI-142 c NaN  
## pl\_nameKOI-1599.01 NaN  
## pl\_nameKOI-1599.02 NaN  
## pl\_nameKOI-1783.01 NaN  
## pl\_nameKOI-1783.02 NaN  
## pl\_nameKOI-1831 d NaN  
## pl\_nameKOI-1833 d NaN  
## pl\_nameKOI-3503 b NaN  
## pl\_nameKOI-3503 c NaN  
## pl\_nameKOI-351 b NaN  
## pl\_nameKOI-351 c NaN  
## pl\_nameKOI-351 d NaN  
## pl\_nameKOI-351 e NaN  
## pl\_nameKOI-351 f NaN  
## pl\_nameKOI-3680 b NaN  
## pl\_nameKOI-7368 b NaN  
## pl\_nameKOI-7913 b NaN  
## pl\_nameKOI-94 b NaN  
## pl\_nameKOI-94 c NaN  
## pl\_nameKOI-94 d NaN  
## pl\_nameKOI-94 e NaN  
## pl\_nameKPS-1 b NaN  
## pl\_nameL 168-9 b NaN  
## pl\_nameL 98-59 b NaN  
## pl\_nameL 98-59 c NaN  
## pl\_nameL 98-59 d NaN  
## pl\_nameL 98-59 e NaN  
## pl\_nameLHS 1140 b NaN  
## pl\_nameLHS 1140 c NaN  
## pl\_nameLHS 1678 b NaN  
## pl\_nameLHS 1678 c NaN  
## pl\_nameLHS 1815 b NaN  
## pl\_nameLP 714-47 b NaN  
## pl\_nameLP 791-18 b NaN  
## pl\_nameLP 791-18 c NaN  
## pl\_nameLP 791-18 d NaN  
## pl\_nameLSPM J2116+0234 b NaN  
## pl\_nameLTT 1445 A b NaN  
## pl\_nameLTT 1445 A c NaN  
## pl\_nameLTT 3780 b NaN  
## pl\_nameLTT 3780 c NaN  
## pl\_nameLTT 9779 b NaN  
## pl\_nameLupus-TR-3 b NaN  
## pl\_nameMASCARA-1 b NaN  
## pl\_nameMASCARA-4 b NaN  
## pl\_namemu Leo b NaN  
## pl\_nameNGC 2682 Sand 364 b NaN  
## pl\_nameNGTS-1 b NaN  
## pl\_nameNGTS-10 b NaN  
## pl\_nameNGTS-11 b NaN  
## pl\_nameNGTS-12 b NaN  
## pl\_nameNGTS-13 b NaN  
## pl\_nameNGTS-14 A b NaN  
## pl\_nameNGTS-15 b NaN  
## pl\_nameNGTS-16 b NaN  
## pl\_nameNGTS-17 b NaN  
## pl\_nameNGTS-18 b NaN  
## pl\_nameNGTS-2 b NaN  
## pl\_nameNGTS-20 b NaN  
## pl\_nameNGTS-21 b NaN  
## pl\_nameNGTS-23 b NaN  
## pl\_nameNGTS-24 b NaN  
## pl\_nameNGTS-25 b NaN  
## pl\_nameNGTS-4 b NaN  
## pl\_nameNGTS-5 b NaN  
## pl\_nameNGTS-6 b NaN  
## pl\_nameNGTS-8 b NaN  
## pl\_nameNGTS-9 b NaN  
## pl\_nameNSVS 14256825 b NaN  
## pl\_namenu Oct A b NaN  
## pl\_namenu Oph b NaN  
## pl\_namenu Oph c NaN  
## pl\_nameNY Vir b NaN  
## pl\_nameOGLE-TR-10 b NaN  
## pl\_nameOGLE-TR-111 b NaN  
## pl\_nameOGLE-TR-132 b NaN  
## pl\_nameOGLE-TR-182 b NaN  
## pl\_nameOGLE-TR-211 b NaN  
## pl\_nameome Ser b NaN  
## pl\_nameomi CrB b NaN  
## pl\_namePDS 70 b NaN  
## pl\_namepi Men c NaN  
## pl\_namePr0201 b NaN  
## pl\_namePr0211 b NaN  
## pl\_namePr0211 c NaN  
## pl\_nameProxima Cen b NaN  
## pl\_namepsi1 Dra B b NaN  
## pl\_namePZ Tel b NaN  
## pl\_nameQatar-1 b NaN  
## pl\_nameQatar-10 b NaN  
## pl\_nameQatar-2 b NaN  
## pl\_nameQatar-3 b NaN  
## pl\_nameQatar-4 b NaN  
## pl\_nameQatar-5 b NaN  
## pl\_nameQatar-6 b NaN  
## pl\_nameQatar-7 b NaN  
## pl\_nameQatar-8 b NaN  
## pl\_nameQatar-9 b NaN  
## pl\_namerho CrB b NaN  
## pl\_namerho CrB c NaN  
## pl\_namerho CrB d NaN  
## pl\_namerho CrB e NaN  
## pl\_nameRoss 128 b NaN  
## pl\_nameRoss 508 b NaN  
## pl\_nameRR Cae b NaN  
## pl\_nametau Boo b NaN  
## pl\_nametau Cet e NaN  
## pl\_nametau Cet f NaN  
## pl\_nametau Cet g NaN  
## pl\_nametau Cet h NaN  
## pl\_nametau Gem b NaN  
## pl\_nameTeegarden's Star b NaN  
## pl\_nameTeegarden's Star c NaN  
## pl\_nameTIC 172900988 b NaN  
## pl\_nameTIC 237913194 b NaN  
## pl\_nameTIC 257060897 b NaN  
## pl\_nameTIC 279401253 b NaN  
## pl\_nameTIC 279401253 c NaN  
## pl\_nameTOI-1052 b NaN  
## pl\_nameTOI-1052 c NaN  
## pl\_nameTOI-1062 b NaN  
## pl\_nameTOI-1062 c NaN  
## pl\_nameTOI-1064 b NaN  
## pl\_nameTOI-1064 c NaN  
## pl\_nameTOI-1075 b NaN  
## pl\_nameTOI-1107 b NaN  
## pl\_nameTOI-1130 b NaN  
## pl\_nameTOI-1130 c NaN  
## pl\_nameTOI-1201 b NaN  
## pl\_nameTOI-122 b NaN  
## pl\_nameTOI-1231 b NaN  
## pl\_nameTOI-1235 b NaN  
## pl\_nameTOI-125 b NaN  
## pl\_nameTOI-125 c NaN  
## pl\_nameTOI-125 d NaN  
## pl\_nameTOI-1259 A b NaN  
## pl\_nameTOI-1260 b NaN  
## pl\_nameTOI-1260 c NaN  
## pl\_nameTOI-1260 d NaN  
## pl\_nameTOI-1266 b NaN  
## pl\_nameTOI-1266 c NaN  
## pl\_nameTOI-1268 b NaN  
## pl\_nameTOI-1272 b NaN  
## pl\_nameTOI-1272 c NaN  
## pl\_nameTOI-1278 b NaN  
## pl\_nameTOI-1288 b NaN  
## pl\_nameTOI-1296 b NaN  
## pl\_nameTOI-1298 b NaN  
## pl\_nameTOI-132 b NaN  
## pl\_nameTOI-1333 b NaN  
## pl\_nameTOI-1338 b NaN  
## pl\_nameTOI-1338 c NaN  
## pl\_nameTOI-1416 b NaN  
## pl\_nameTOI-1422 b NaN  
## pl\_nameTOI-1431 b NaN  
## pl\_nameTOI-1452 b NaN  
## pl\_nameTOI-1470 b NaN  
## pl\_nameTOI-1470 c NaN  
## pl\_nameTOI-1478 b NaN  
## pl\_nameTOI-150.01 NaN  
## pl\_nameTOI-157 b NaN  
## pl\_nameTOI-1601 b NaN  
## pl\_nameTOI-163 b NaN  
## pl\_nameTOI-1634 b NaN  
## pl\_nameTOI-1670 b NaN  
## pl\_nameTOI-1670 c NaN  
## pl\_nameTOI-1685 b NaN  
## pl\_nameTOI-169 b NaN  
## pl\_nameTOI-1695 b NaN  
## pl\_nameTOI-1696 b NaN  
## pl\_nameTOI-1710 b NaN  
## pl\_nameTOI-172 b NaN  
## pl\_nameTOI-1728 b NaN  
## pl\_nameTOI-1759 b NaN  
## pl\_nameTOI-1807 b NaN  
## pl\_nameTOI-181 b NaN  
## pl\_nameTOI-1811 b NaN  
## pl\_nameTOI-1820 b NaN  
## pl\_nameTOI-1859 b NaN  
## pl\_nameTOI-1899 b NaN  
## pl\_nameTOI-1937 A b NaN  
## pl\_nameTOI-2000 b NaN  
## pl\_nameTOI-2000 c NaN  
## pl\_nameTOI-201 b NaN  
## pl\_nameTOI-2025 b NaN  
## pl\_nameTOI-2096 b NaN  
## pl\_nameTOI-2096 c NaN  
## pl\_nameTOI-2136 b NaN  
## pl\_nameTOI-2145 b NaN  
## pl\_nameTOI-2152 A b NaN  
## pl\_nameTOI-2154 b NaN  
## pl\_nameTOI-2158 b NaN  
## pl\_nameTOI-216.01 NaN  
## pl\_nameTOI-216.02 NaN  
## pl\_nameTOI-2180 b NaN  
## pl\_nameTOI-2193 A b NaN  
## pl\_nameTOI-2196 b NaN  
## pl\_nameTOI-220 b NaN  
## pl\_nameTOI-2202 b NaN  
## pl\_nameTOI-2202 c NaN  
## pl\_nameTOI-2207 b NaN  
## pl\_nameTOI-2236 b NaN  
## pl\_nameTOI-2257 b NaN  
## pl\_nameTOI-2338 b NaN  
## pl\_nameTOI-2364 b NaN  
## pl\_nameTOI-237 b NaN  
## pl\_nameTOI-2421 b NaN  
## pl\_nameTOI-2497 b NaN  
## pl\_nameTOI-2498 b NaN  
## pl\_nameTOI-2525 b NaN  
## pl\_nameTOI-2525 c NaN  
## pl\_nameTOI-2567 b NaN  
## pl\_nameTOI-257 b NaN  
## pl\_nameTOI-2570 b NaN  
## pl\_nameTOI-2583 A b NaN  
## pl\_nameTOI-2587 A b NaN  
## pl\_nameTOI-2589 b NaN  
## pl\_nameTOI-2641 b NaN  
## pl\_nameTOI-269 b NaN  
## pl\_nameTOI-270 b NaN  
## pl\_nameTOI-270 c NaN  
## pl\_nameTOI-270 d NaN  
## pl\_nameTOI-2796 b NaN  
## pl\_nameTOI-2803 A b NaN  
## pl\_nameTOI-2818 b NaN  
## pl\_nameTOI-2842 b NaN  
## pl\_nameTOI-3023 b NaN  
## pl\_nameTOI-3235 b NaN  
## pl\_nameTOI-332 b NaN  
## pl\_nameTOI-3331 A b NaN  
## pl\_nameTOI-3362 b NaN  
## pl\_nameTOI-3364 b NaN  
## pl\_nameTOI-3629 b NaN  
## pl\_nameTOI-3688 A b NaN  
## pl\_nameTOI-3693 b NaN  
## pl\_nameTOI-3714 b NaN  
## pl\_nameTOI-3757 b NaN  
## pl\_nameTOI-3785 b NaN  
## pl\_nameTOI-3807 b NaN  
## pl\_nameTOI-3819 b NaN  
## pl\_nameTOI-3884 b NaN  
## pl\_nameTOI-3912 b NaN  
## pl\_nameTOI-3976 A b NaN  
## pl\_nameTOI-3984 A b NaN  
## pl\_nameTOI-4010 b NaN  
## pl\_nameTOI-4010 c NaN  
## pl\_nameTOI-4010 d NaN  
## pl\_nameTOI-4010 e NaN  
## pl\_nameTOI-4087 b NaN  
## pl\_nameTOI-411 b NaN  
## pl\_nameTOI-411 c NaN  
## pl\_nameTOI-4127 b NaN  
## pl\_nameTOI-4137 b NaN  
## pl\_nameTOI-4145 A b NaN  
## pl\_nameTOI-421 b NaN  
## pl\_nameTOI-421 c NaN  
## pl\_nameTOI-431 b NaN  
## pl\_nameTOI-431 c NaN  
## pl\_nameTOI-431 d NaN  
## pl\_nameTOI-4406 b NaN  
## pl\_nameTOI-4463 A b NaN  
## pl\_nameTOI-451 b NaN  
## pl\_nameTOI-451 c NaN  
## pl\_nameTOI-451 d NaN  
## pl\_nameTOI-4562 b NaN  
## pl\_nameTOI-4603 b NaN  
## pl\_nameTOI-4791 b NaN  
## pl\_nameTOI-481 b NaN  
## pl\_nameTOI-4860 b NaN  
## pl\_nameTOI-500 b NaN  
## pl\_nameTOI-5153 b NaN  
## pl\_nameTOI-519 b NaN  
## pl\_nameTOI-5205 b NaN  
## pl\_nameTOI-5293 A b NaN  
## pl\_nameTOI-530 b NaN  
## pl\_nameTOI-532 b NaN  
## pl\_nameTOI-540 b NaN  
## pl\_nameTOI-5542 b NaN  
## pl\_nameTOI-558 b NaN  
## pl\_nameTOI-559 b NaN  
## pl\_nameTOI-561 b NaN  
## pl\_nameTOI-561 c NaN  
## pl\_nameTOI-561 d NaN  
## pl\_nameTOI-561 e NaN  
## pl\_nameTOI-564 b NaN  
## pl\_nameTOI-5678 b NaN  
## pl\_nameTOI-615 b NaN  
## pl\_nameTOI-620 b NaN  
## pl\_nameTOI-622 b NaN  
## pl\_nameTOI-628 b NaN  
## pl\_nameTOI-640 b NaN  
## pl\_nameTOI-674 b NaN  
## pl\_nameTOI-677 b NaN  
## pl\_nameTOI-700 b NaN  
## pl\_nameTOI-700 c NaN  
## pl\_nameTOI-700 d NaN  
## pl\_nameTOI-700 e NaN  
## pl\_nameTOI-712 b NaN  
## pl\_nameTOI-712 c NaN  
## pl\_nameTOI-712 d NaN  
## pl\_nameTOI-733 b NaN  
## pl\_nameTOI-763 b NaN  
## pl\_nameTOI-763 c NaN  
## pl\_nameTOI-776 b NaN  
## pl\_nameTOI-776 c NaN  
## pl\_nameTOI-778 b NaN  
## pl\_nameTOI-784 b NaN  
## pl\_nameTOI-813 b NaN  
## pl\_nameTOI-836 b NaN  
## pl\_nameTOI-836 c NaN  
## pl\_nameTOI-849 b NaN  
## pl\_nameTOI-892 b NaN  
## pl\_nameTOI-905 b NaN  
## pl\_nameTOI-908 b NaN  
## pl\_nameTOI-954 b NaN  
## pl\_nameTOI-969 c NaN  
## pl\_nameTRAPPIST-1 b NaN  
## pl\_nameTRAPPIST-1 c NaN  
## pl\_nameTRAPPIST-1 d NaN  
## pl\_nameTRAPPIST-1 e NaN  
## pl\_nameTRAPPIST-1 f NaN  
## pl\_nameTRAPPIST-1 g NaN  
## pl\_nameTRAPPIST-1 h NaN  
## pl\_nameTrES-1 b NaN  
## pl\_nameTrES-2 b NaN  
## pl\_nameTrES-3 b NaN  
## pl\_nameTrES-4 b NaN  
## pl\_nameTrES-5 b NaN  
## pl\_nameTYC 0434-04538-1 b NaN  
## pl\_nameTYC 1422-614-1 b NaN  
## pl\_nameTYC 1422-614-1 c NaN  
## pl\_nameTYC 2187-512-1 b NaN  
## pl\_nameTYC 3318-01333-1 b NaN  
## pl\_nameTYC 3667-1280-1 b NaN  
## pl\_nameTYC 4282-00605-1 b NaN  
## pl\_nameups And b NaN  
## pl\_nameups And c NaN  
## pl\_nameups And d NaN  
## pl\_nameups Leo b NaN  
## pl\_nameV0391 Peg b NaN  
## pl\_nameV1298 Tau b NaN  
## pl\_nameV1298 Tau c NaN  
## pl\_nameV1298 Tau d NaN  
## pl\_nameV1298 Tau e NaN  
## pl\_nameWASP-1 b NaN  
## pl\_nameWASP-10 b NaN  
## pl\_nameWASP-100 b NaN  
## pl\_nameWASP-101 b NaN  
## pl\_nameWASP-103 b NaN  
## pl\_nameWASP-104 b NaN  
## pl\_nameWASP-105 b NaN  
## pl\_nameWASP-106 b NaN  
## pl\_nameWASP-107 b NaN  
## pl\_nameWASP-11 b NaN  
## pl\_nameWASP-113 b NaN  
## pl\_nameWASP-114 b NaN  
## pl\_nameWASP-117 b NaN  
## pl\_nameWASP-118 b NaN  
## pl\_nameWASP-119 b NaN  
## pl\_nameWASP-12 b NaN  
## pl\_nameWASP-120 b NaN  
## pl\_nameWASP-121 b NaN  
## pl\_nameWASP-123 b NaN  
## pl\_nameWASP-124 b NaN  
## pl\_nameWASP-126 b NaN  
## pl\_nameWASP-127 b NaN  
## pl\_nameWASP-129 b NaN  
## pl\_nameWASP-13 b NaN  
## pl\_nameWASP-130 b NaN  
## pl\_nameWASP-131 b NaN  
## pl\_nameWASP-132 b NaN  
## pl\_nameWASP-133 b NaN  
## pl\_nameWASP-135 b NaN  
## pl\_nameWASP-139 b NaN  
## pl\_nameWASP-14 b NaN  
## pl\_nameWASP-140 b NaN  
## pl\_nameWASP-141 b NaN  
## pl\_nameWASP-142 b NaN  
## pl\_nameWASP-144 b NaN  
## pl\_nameWASP-145 A b NaN  
## pl\_nameWASP-147 b NaN  
## pl\_nameWASP-148 b NaN  
## pl\_nameWASP-148 c NaN  
## pl\_nameWASP-15 b NaN  
## pl\_nameWASP-150 b NaN  
## pl\_nameWASP-151 b NaN  
## pl\_nameWASP-153 b NaN  
## pl\_nameWASP-156 b NaN  
## pl\_nameWASP-157 b NaN  
## pl\_nameWASP-158 b NaN  
## pl\_nameWASP-159 b NaN  
## pl\_nameWASP-16 b NaN  
## pl\_nameWASP-160 B b NaN  
## pl\_nameWASP-162 b NaN  
## pl\_nameWASP-164 b NaN  
## pl\_nameWASP-165 b NaN  
## pl\_nameWASP-166 b NaN  
## pl\_nameWASP-168 b NaN  
## pl\_nameWASP-169 b NaN  
## pl\_nameWASP-17 b NaN  
## pl\_nameWASP-171 b NaN  
## pl\_nameWASP-172 b NaN  
## pl\_nameWASP-173 A b NaN  
## pl\_nameWASP-174 b NaN  
## pl\_nameWASP-175 b NaN  
## pl\_nameWASP-176 b NaN  
## pl\_nameWASP-178 b NaN  
## pl\_nameWASP-18 b NaN  
## pl\_nameWASP-18 c NaN  
## pl\_nameWASP-180 A b NaN  
## pl\_nameWASP-182 b NaN  
## pl\_nameWASP-184 b NaN  
## pl\_nameWASP-185 b NaN  
## pl\_nameWASP-186 b NaN  
## pl\_nameWASP-187 b NaN  
## pl\_nameWASP-189 b NaN  
## pl\_nameWASP-19 b NaN  
## pl\_nameWASP-190 b NaN  
## pl\_nameWASP-192 b NaN  
## pl\_nameWASP-193 b NaN  
## pl\_nameWASP-2 b NaN  
## pl\_nameWASP-20 b NaN  
## pl\_nameWASP-21 b NaN  
## pl\_nameWASP-22 b NaN  
## pl\_nameWASP-23 b NaN  
## pl\_nameWASP-24 b NaN  
## pl\_nameWASP-25 b NaN  
## pl\_nameWASP-26 b NaN  
## pl\_nameWASP-28 b NaN  
## pl\_nameWASP-29 b NaN  
## pl\_nameWASP-3 b NaN  
## pl\_nameWASP-31 b NaN  
## pl\_nameWASP-32 b NaN  
## pl\_nameWASP-33 b NaN  
## pl\_nameWASP-34 b NaN  
## pl\_nameWASP-35 b NaN  
## pl\_nameWASP-36 b NaN  
## pl\_nameWASP-37 b NaN  
## pl\_nameWASP-38 b NaN  
## pl\_nameWASP-39 b NaN  
## pl\_nameWASP-4 b NaN  
## pl\_nameWASP-41 b NaN  
## pl\_nameWASP-41 c NaN  
## pl\_nameWASP-42 b NaN  
## pl\_nameWASP-43 b NaN  
## pl\_nameWASP-44 b NaN  
## pl\_nameWASP-45 b NaN  
## pl\_nameWASP-46 b NaN  
## pl\_nameWASP-47 b NaN  
## pl\_nameWASP-47 c NaN  
## pl\_nameWASP-47 d NaN  
## pl\_nameWASP-47 e NaN  
## pl\_nameWASP-48 b NaN  
## pl\_nameWASP-49 b NaN  
## pl\_nameWASP-5 b NaN  
## pl\_nameWASP-50 b NaN  
## pl\_nameWASP-52 b NaN  
## pl\_nameWASP-53 b NaN  
## pl\_nameWASP-54 b NaN  
## pl\_nameWASP-55 b NaN  
## pl\_nameWASP-56 b NaN  
## pl\_nameWASP-57 b NaN  
## pl\_nameWASP-58 b NaN  
## pl\_nameWASP-59 b NaN  
## pl\_nameWASP-6 b NaN  
## pl\_nameWASP-60 b NaN  
## pl\_nameWASP-61 b NaN  
## pl\_nameWASP-62 b NaN  
## pl\_nameWASP-63 b NaN  
## pl\_nameWASP-64 b NaN  
## pl\_nameWASP-65 b NaN  
## pl\_nameWASP-66 b NaN  
## pl\_nameWASP-67 b NaN  
## pl\_nameWASP-68 b NaN  
## pl\_nameWASP-69 b NaN  
## pl\_nameWASP-7 b NaN  
## pl\_nameWASP-70 A b NaN  
## pl\_nameWASP-71 b NaN  
## pl\_nameWASP-72 b NaN  
## pl\_nameWASP-73 b NaN  
## pl\_nameWASP-74 b NaN  
## pl\_nameWASP-75 b NaN  
## pl\_nameWASP-76 b NaN  
## pl\_nameWASP-77 A b NaN  
## pl\_nameWASP-78 b NaN  
## pl\_nameWASP-79 b NaN  
## pl\_nameWASP-8 b NaN  
## pl\_nameWASP-8 c NaN  
## pl\_nameWASP-80 b NaN  
## pl\_nameWASP-81 b NaN  
## pl\_nameWASP-82 b NaN  
## pl\_nameWASP-83 b NaN  
## pl\_nameWASP-84 b NaN  
## pl\_nameWASP-85 A b NaN  
## pl\_nameWASP-87 b NaN  
## pl\_nameWASP-88 b NaN  
## pl\_nameWASP-89 b NaN  
## pl\_nameWASP-90 b NaN  
## pl\_nameWASP-91 b NaN  
## pl\_nameWASP-92 b NaN  
## pl\_nameWASP-93 b NaN  
## pl\_nameWASP-94 A b NaN  
## pl\_nameWASP-94 B b NaN  
## pl\_nameWASP-95 b NaN  
## pl\_nameWASP-96 b NaN  
## pl\_nameWASP-97 b NaN  
## pl\_nameWASP-98 b NaN  
## pl\_nameWASP-99 b NaN  
## pl\_nameWD 1856+534 b NaN  
## pl\_nameWendelstein-1 b NaN  
## pl\_nameWendelstein-2 b NaN  
## pl\_nameWolf 1061 b NaN  
## pl\_nameWolf 1061 c NaN  
## pl\_nameWolf 1061 d NaN  
## pl\_nameWolf 503 b NaN  
## pl\_nameWTS-1 b NaN  
## pl\_nameWTS-2 b NaN  
## pl\_namexi Aql b NaN  
## pl\_nameXO-1 b NaN  
## pl\_nameXO-2 N b NaN  
## pl\_nameXO-2 S b NaN  
## pl\_nameXO-2 S c NaN  
## pl\_nameXO-3 b NaN  
## pl\_nameXO-4 b NaN  
## pl\_nameXO-5 b NaN  
## pl\_nameXO-6 b NaN  
## pl\_nameXO-7 b NaN  
## pl\_nameYZ Cet b NaN  
## pl\_nameYZ Cet c NaN  
## pl\_nameYZ Cet d NaN  
## hostname11 UMi NA  
## hostname14 And NA  
## hostname14 Her NA  
## hostname16 Cyg B NA  
## hostname17 Sco NA  
## hostname18 Del NA  
## hostname24 Boo NA  
## hostname24 Sex NA  
## hostname2MASS J19383260+4603591 NA  
## hostname30 Ari B NA  
## hostname4 UMa NA  
## hostname42 Dra NA  
## hostname47 UMa NA  
## hostname51 Eri NA  
## hostname51 Peg NA  
## hostname55 Cnc NA  
## hostname6 Lyn NA  
## hostname61 Vir NA  
## hostname7 CMa NA  
## hostname70 Vir NA  
## hostname75 Cet NA  
## hostname8 UMi NA  
## hostname81 Cet NA  
## hostname91 Aqr NA  
## hostnameAF Lep NA  
## hostnameAU Mic NA  
## hostnameBD-00 4475 NA  
## hostnameBD-06 1339 NA  
## hostnameBD-08 2823 NA  
## hostnameBD-10 3166 NA  
## hostnameBD-11 4672 NA  
## hostnameBD-13 2130 NA  
## hostnameBD-17 63 NA  
## hostnameBD-210397 NA  
## hostnameBD+03 2562 NA  
## hostnameBD+14 4559 NA  
## hostnameBD+15 2375 NA  
## hostnameBD+15 2940 NA  
## hostnameBD+20 2457 NA  
## hostnameBD+20 274 NA  
## hostnameBD+20 594 NA  
## hostnameBD+45 564 NA  
## hostnameBD+48 738 NA  
## hostnameBD+48 740 NA  
## hostnameBD+49 828 NA  
## hostnameBD+55 362 NA  
## hostnameBD+63 1405 NA  
## hostnamebet Cnc NA  
## hostnamebet Pic NA  
## hostnameCoRoT-1 NA  
## hostnameCoRoT-10 NA  
## hostnameCoRoT-11 NA  
## hostnameCoRoT-12 NA  
## hostnameCoRoT-13 NA  
## hostnameCoRoT-14 NA  
## hostnameCoRoT-16 NA  
## hostnameCoRoT-17 NA  
## hostnameCoRoT-18 NA  
## hostnameCoRoT-19 NA  
## hostnameCoRoT-2 NA  
## hostnameCoRoT-20 NA  
## hostnameCoRoT-21 NA  
## hostnameCoRoT-22 NA  
## hostnameCoRoT-23 NA  
## hostnameCoRoT-24 NA  
## hostnameCoRoT-25 NA  
## hostnameCoRoT-26 NA  
## hostnameCoRoT-27 NA  
## hostnameCoRoT-28 NA  
## hostnameCoRoT-29 NA  
## hostnameCoRoT-3 NA  
## hostnameCoRoT-30 NA  
## hostnameCoRoT-31 NA  
## hostnameCoRoT-35 NA  
## hostnameCoRoT-36 NA  
## hostnameCoRoT-4 NA  
## hostnameCoRoT-5 NA  
## hostnameCoRoT-6 NA  
## hostnameCoRoT-7 NA  
## hostnameCoRoT-8 NA  
## hostnameCoRoT-9 NA  
## hostnameDE CVn NA  
## hostnameDMPP-1 NA  
## hostnameDMPP-2 NA  
## hostnameDMPP-4 NA  
## hostnameEPIC 201170410 NA  
## hostnameEPIC 211822797 NA  
## hostnameEPIC 211945201 NA  
## hostnameEPIC 212737443 NA  
## hostnameEPIC 220674823 NA  
## hostnameEPIC 229004835 NA  
## hostnameEPIC 249893012 NA  
## hostnameeps CrB NA  
## hostnameeps Eri NA  
## hostnameeps Ind A NA  
## hostnameeps Tau NA  
## hostnamegam Cep NA  
## hostnamegam Lib NA  
## hostnamegam Psc NA  
## hostnameGJ 1061 NA  
## hostnameGJ 1132 NA  
## hostnameGJ 1148 NA  
## hostnameGJ 1214 NA  
## hostnameGJ 1252 NA  
## hostnameGJ 1265 NA  
## hostnameGJ 143 NA  
## hostnameGJ 15 A NA  
## hostnameGJ 160.2 NA  
## hostnameGJ 163 NA  
## hostnameGJ 179 NA  
## hostnameGJ 180 NA  
## hostnameGJ 2030 NA  
## hostnameGJ 2056 NA  
## hostnameGJ 229 NA  
## hostnameGJ 251 NA  
## hostnameGJ 27.1 NA  
## hostnameGJ 3021 NA  
## hostnameGJ 3082 NA  
## hostnameGJ 3090 NA  
## hostnameGJ 3138 NA  
## hostnameGJ 317 NA  
## hostnameGJ 328 NA  
## hostnameGJ 3293 NA  
## hostnameGJ 3341 NA  
## hostnameGJ 338 B NA  
## hostnameGJ 3470 NA  
## hostnameGJ 3473 NA  
## hostnameGJ 3512 NA  
## hostnameGJ 3634 NA  
## hostnameGJ 367 NA  
## hostnameGJ 3779 NA  
## hostnameGJ 3929 NA  
## hostnameGJ 3942 NA  
## hostnameGJ 3998 NA  
## hostnameGJ 414 A NA  
## hostnameGJ 422 NA  
## hostnameGJ 4276 NA  
## hostnameGJ 433 NA  
## hostnameGJ 436 NA  
## hostnameGJ 463 NA  
## hostnameGJ 480 NA  
## hostnameGJ 486 NA  
## hostnameGJ 514 NA  
## hostnameGJ 536 NA  
## hostnameGJ 581 NA  
## hostnameGJ 625 NA  
## hostnameGJ 649 NA  
## hostnameGJ 667 C NA  
## hostnameGJ 674 NA  
## hostnameGJ 676 A NA  
## hostnameGJ 680 NA  
## hostnameGJ 682 NA  
## hostnameGJ 685 NA  
## hostnameGJ 687 NA  
## hostnameGJ 720 A NA  
## hostnameGJ 740 NA  
## hostnameGJ 832 NA  
## hostnameGJ 849 NA  
## hostnameGJ 86 NA  
## hostnameGJ 876 NA  
## hostnameGJ 887 NA  
## hostnameGJ 896 A NA  
## hostnameGJ 9066 NA  
## hostnameGJ 9404 NA  
## hostnameGJ 96 NA  
## hostnameGJ 9689 NA  
## hostnameGJ 9714 NA  
## hostnameGJ 9827 NA  
## hostnameGl 378 NA  
## hostnameGl 49 NA  
## hostnameGl 686 NA  
## hostnameGPX-1 NA  
## hostnameHAT-P-1 NA  
## hostnameHAT-P-11 NA  
## hostnameHAT-P-12 NA  
## hostnameHAT-P-13 NA  
## hostnameHAT-P-14 NA  
## hostnameHAT-P-15 NA  
## hostnameHAT-P-16 NA  
## hostnameHAT-P-17 NA  
## hostnameHAT-P-18 NA  
## hostnameHAT-P-19 NA  
## hostnameHAT-P-2 NA  
## hostnameHAT-P-20 NA  
## hostnameHAT-P-21 NA  
## hostnameHAT-P-22 NA  
## hostnameHAT-P-23 NA  
## hostnameHAT-P-24 NA  
## hostnameHAT-P-25 NA  
## hostnameHAT-P-26 NA  
## hostnameHAT-P-27 NA  
## hostnameHAT-P-28 NA  
## hostnameHAT-P-29 NA  
## hostnameHAT-P-3 NA  
## hostnameHAT-P-30 NA  
## hostnameHAT-P-31 NA  
## hostnameHAT-P-32 NA  
## hostnameHAT-P-33 NA  
## hostnameHAT-P-34 NA  
## hostnameHAT-P-35 NA  
## hostnameHAT-P-36 NA  
## hostnameHAT-P-37 NA  
## hostnameHAT-P-38 NA  
## hostnameHAT-P-39 NA  
## hostnameHAT-P-4 NA  
## hostnameHAT-P-40 NA  
## hostnameHAT-P-41 NA  
## hostnameHAT-P-42 NA  
## hostnameHAT-P-43 NA  
## hostnameHAT-P-44 NA  
## hostnameHAT-P-45 NA  
## hostnameHAT-P-46 NA  
## hostnameHAT-P-49 NA  
## hostnameHAT-P-5 NA  
## hostnameHAT-P-50 NA  
## hostnameHAT-P-51 NA  
## hostnameHAT-P-52 NA  
## hostnameHAT-P-53 NA  
## hostnameHAT-P-54 NA  
## hostnameHAT-P-55 NA  
## hostnameHAT-P-56 NA  
## hostnameHAT-P-57 NA  
## hostnameHAT-P-58 NA  
## hostnameHAT-P-59 NA  
## hostnameHAT-P-6 NA  
## hostnameHAT-P-60 NA  
## hostnameHAT-P-61 NA  
## hostnameHAT-P-62 NA  
## hostnameHAT-P-64 NA  
## hostnameHAT-P-65 NA  
## hostnameHAT-P-66 NA  
## hostnameHAT-P-67 NA  
## hostnameHAT-P-68 NA  
## hostnameHAT-P-69 NA  
## hostnameHAT-P-7 NA  
## hostnameHAT-P-70 NA  
## hostnameHAT-P-8 NA  
## hostnameHAT-P-9 NA  
## hostnameHATS-1 NA  
## hostnameHATS-10 NA  
## hostnameHATS-11 NA  
## hostnameHATS-12 NA  
## hostnameHATS-13 NA  
## hostnameHATS-14 NA  
## hostnameHATS-15 NA  
## hostnameHATS-16 NA  
## hostnameHATS-17 NA  
## hostnameHATS-18 NA  
## hostnameHATS-2 NA  
## hostnameHATS-22 NA  
## hostnameHATS-23 NA  
## hostnameHATS-24 NA  
## hostnameHATS-25 NA  
## hostnameHATS-26 NA  
## hostnameHATS-27 NA  
## hostnameHATS-28 NA  
## hostnameHATS-29 NA  
## hostnameHATS-3 NA  
## hostnameHATS-30 NA  
## hostnameHATS-31 NA  
## hostnameHATS-32 NA  
## hostnameHATS-33 NA  
## hostnameHATS-34 NA  
## hostnameHATS-35 NA  
## hostnameHATS-36 NA  
## hostnameHATS-37 A NA  
## hostnameHATS-38 NA  
## hostnameHATS-39 NA  
## hostnameHATS-4 NA  
## hostnameHATS-40 NA  
## hostnameHATS-41 NA  
## hostnameHATS-42 NA  
## hostnameHATS-43 NA  
## hostnameHATS-44 NA  
## hostnameHATS-45 NA  
## hostnameHATS-46 NA  
## hostnameHATS-47 NA  
## hostnameHATS-48 A NA  
## hostnameHATS-49 NA  
## hostnameHATS-5 NA  
## hostnameHATS-50 NA  
## hostnameHATS-51 NA  
## hostnameHATS-52 NA  
## hostnameHATS-53 NA  
## hostnameHATS-54 NA  
## hostnameHATS-55 NA  
## hostnameHATS-56 NA  
## hostnameHATS-57 NA  
## hostnameHATS-58 A NA  
## hostnameHATS-59 NA  
## hostnameHATS-6 NA  
## hostnameHATS-60 NA  
## hostnameHATS-61 NA  
## hostnameHATS-62 NA  
## hostnameHATS-63 NA  
## hostnameHATS-64 NA  
## hostnameHATS-65 NA  
## hostnameHATS-66 NA  
## hostnameHATS-67 NA  
## hostnameHATS-68 NA  
## hostnameHATS-69 NA  
## hostnameHATS-7 NA  
## hostnameHATS-70 NA  
## hostnameHATS-71 NA  
## hostnameHATS-72 NA  
## hostnameHATS-74 A NA  
## hostnameHATS-75 NA  
## hostnameHATS-76 NA  
## hostnameHATS-77 NA  
## hostnameHATS-8 NA  
## hostnameHATS-9 NA  
## hostnameHD 100655 NA  
## hostnameHD 100777 NA  
## hostnameHD 10180 NA  
## hostnameHD 101930 NA  
## hostnameHD 102117 NA  
## hostnameHD 102195 NA  
## hostnameHD 102272 NA  
## hostnameHD 102329 NA  
## hostnameHD 102365 NA  
## hostnameHD 102843 NA  
## hostnameHD 102956 NA  
## hostnameHD 103197 NA  
## hostnameHD 103720 NA  
## hostnameHD 103774 NA  
## hostnameHD 103891 NA  
## hostnameHD 103949 NA  
## hostnameHD 104067 NA  
## hostnameHD 10442 NA  
## hostnameHD 104985 NA  
## hostnameHD 105618 NA  
## hostnameHD 105779 NA  
## hostnameHD 106252 NA  
## hostnameHD 106270 NA  
## hostnameHD 106315 NA  
## hostnameHD 10647 NA  
## hostnameHD 106515 A NA  
## hostnameHD 10697 NA  
## hostnameHD 107148 NA  
## hostnameHD 108147 NA  
## hostnameHD 108202 NA  
## hostnameHD 108236 NA  
## hostnameHD 108341 NA  
## hostnameHD 108863 NA  
## hostnameHD 108874 NA  
## hostnameHD 109246 NA  
## hostnameHD 109271 NA  
## hostnameHD 109286 NA  
## hostnameHD 109749 NA  
## hostnameHD 10975 NA  
## hostnameHD 109988 NA  
## hostnameHD 110014 NA  
## hostnameHD 110082 NA  
## hostnameHD 110113 NA  
## hostnameHD 110537 NA  
## hostnameHD 11112 NA  
## hostnameHD 111232 NA  
## hostnameHD 111998 NA  
## hostnameHD 112300 NA  
## hostnameHD 112640 NA  
## hostnameHD 113337 NA  
## hostnameHD 113538 NA  
## hostnameHD 113996 NA  
## hostnameHD 114082 NA  
## hostnameHD 114386 NA  
## hostnameHD 114613 NA  
## hostnameHD 114729 NA  
## hostnameHD 114783 NA  
## hostnameHD 11505 NA  
## hostnameHD 11506 NA  
## hostnameHD 115404 A NA  
## hostnameHD 115954 NA  
## hostnameHD 116029 NA  
## hostnameHD 117207 NA  
## hostnameHD 11755 NA  
## hostnameHD 117618 NA  
## hostnameHD 118203 NA  
## hostnameHD 11964 NA  
## hostnameHD 11977 NA  
## hostnameHD 120084 NA  
## hostnameHD 121504 NA  
## hostnameHD 12235 NA  
## hostnameHD 124330 NA  
## hostnameHD 12484 NA  
## hostnameHD 125271 NA  
## hostnameHD 125390 NA  
## hostnameHD 125595 NA  
## hostnameHD 125612 NA  
## hostnameHD 12648 NA  
## hostnameHD 126525 NA  
## hostnameHD 12661 NA  
## hostnameHD 126614 NA  
## hostnameHD 127506 NA  
## hostnameHD 128311 NA  
## hostnameHD 128356 NA  
## hostnameHD 129445 NA  
## hostnameHD 130322 NA  
## hostnameHD 131496 NA  
## hostnameHD 13167 NA  
## hostnameHD 13189 NA  
## hostnameHD 132406 NA  
## hostnameHD 132563 NA  
## hostnameHD 133131 A NA  
## hostnameHD 133131 B NA  
## hostnameHD 134060 NA  
## hostnameHD 134987 NA  
## hostnameHD 135625 NA  
## hostnameHD 136118 NA  
## hostnameHD 136352 NA  
## hostnameHD 136925 NA  
## hostnameHD 13724 NA  
## hostnameHD 137388 NA  
## hostnameHD 137496 NA  
## hostnameHD 13808 NA  
## hostnameHD 13908 NA  
## hostnameHD 13931 NA  
## hostnameHD 139357 NA  
## hostnameHD 1397 NA  
## hostnameHD 14067 NA  
## hostnameHD 140901 NA  
## hostnameHD 141004 NA  
## hostnameHD 141399 NA  
## hostnameHD 141937 NA  
## hostnameHD 142 NA  
## hostnameHD 142022 A NA  
## hostnameHD 142245 NA  
## hostnameHD 142415 NA  
## hostnameHD 143105 NA  
## hostnameHD 143361 NA  
## hostnameHD 144899 NA  
## hostnameHD 145377 NA  
## hostnameHD 145457 NA  
## hostnameHD 145934 NA  
## hostnameHD 1461 NA  
## hostnameHD 147018 NA  
## hostnameHD 147379 NA  
## hostnameHD 147513 NA  
## hostnameHD 14787 NA  
## hostnameHD 147873 NA  
## hostnameHD 148156 NA  
## hostnameHD 148164 NA  
## hostnameHD 148427 NA  
## hostnameHD 149026 NA  
## hostnameHD 149143 NA  
## hostnameHD 149806 NA  
## hostnameHD 150010 NA  
## hostnameHD 1502 NA  
## hostnameHD 150706 NA  
## hostnameHD 151450 NA  
## hostnameHD 152079 NA  
## hostnameHD 152581 NA  
## hostnameHD 152843 NA  
## hostnameHD 15337 NA  
## hostnameHD 153557 NA  
## hostnameHD 153950 NA  
## hostnameHD 154088 NA  
## hostnameHD 154345 NA  
## hostnameHD 154672 NA  
## hostnameHD 154857 NA  
## hostnameHD 155193 NA  
## hostnameHD 155358 NA  
## hostnameHD 155918 NA  
## hostnameHD 156098 NA  
## hostnameHD 156279 NA  
## hostnameHD 156411 NA  
## hostnameHD 156668 NA  
## hostnameHD 156846 NA  
## hostnameHD 158038 NA  
## hostnameHD 158996 NA  
## hostnameHD 15906 NA  
## hostnameHD 159243 NA  
## hostnameHD 159868 NA  
## hostnameHD 1605 NA  
## hostnameHD 160691 NA  
## hostnameHD 161178 NA  
## hostnameHD 16141 NA  
## hostnameHD 16175 NA  
## hostnameHD 162020 NA  
## hostnameHD 163607 NA  
## hostnameHD 16417 NA  
## hostnameHD 164509 NA  
## hostnameHD 164595 NA  
## hostnameHD 164604 NA  
## hostnameHD 164922 NA  
## hostnameHD 165131 NA  
## hostnameHD 165155 NA  
## hostnameHD 1666 NA  
## hostnameHD 166724 NA  
## hostnameHD 167042 NA  
## hostnameHD 167677 NA  
## hostnameHD 167768 NA  
## hostnameHD 168009 NA  
## hostnameHD 168443 NA  
## hostnameHD 168746 NA  
## hostnameHD 168863 NA  
## hostnameHD 1690 NA  
## hostnameHD 16905 NA  
## hostnameHD 169830 NA  
## hostnameHD 170469 NA  
## hostnameHD 17092 NA  
## hostnameHD 171028 NA  
## hostnameHD 171238 NA  
## hostnameHD 17156 NA  
## hostnameHD 173416 NA  
## hostnameHD 174205 NA  
## hostnameHD 175167 NA  
## hostnameHD 175541 NA  
## hostnameHD 17674 NA  
## hostnameHD 176986 NA  
## hostnameHD 177565 NA  
## hostnameHD 177830 NA  
## hostnameHD 178911 B NA  
## hostnameHD 179079 NA  
## hostnameHD 179949 NA  
## hostnameHD 180053 NA  
## hostnameHD 18015 NA  
## hostnameHD 180314 NA  
## hostnameHD 180617 NA  
## hostnameHD 180902 NA  
## hostnameHD 181234 NA  
## hostnameHD 181342 NA  
## hostnameHD 18143 NA  
## hostnameHD 181433 NA  
## hostnameHD 181720 NA  
## hostnameHD 183263 NA  
## hostnameHD 183579 NA  
## hostnameHD 184010 NA  
## hostnameHD 18438 NA  
## hostnameHD 185269 NA  
## hostnameHD 185283 NA  
## hostnameHD 18599 NA  
## hostnameHD 187085 NA  
## hostnameHD 187123 NA  
## hostnameHD 18742 NA  
## hostnameHD 188015 NA  
## hostnameHD 188641 NA  
## hostnameHD 189567 NA  
## hostnameHD 189733 NA  
## hostnameHD 190007 NA  
## hostnameHD 190228 NA  
## hostnameHD 190360 NA  
## hostnameHD 190647 NA  
## hostnameHD 190984 NA  
## hostnameHD 191806 NA  
## hostnameHD 191939 NA  
## hostnameHD 192263 NA  
## hostnameHD 192310 NA  
## hostnameHD 192699 NA  
## hostnameHD 194490 NA  
## hostnameHD 195019 NA  
## hostnameHD 196050 NA  
## hostnameHD 196067 NA  
## hostnameHD 19615 NA  
## hostnameHD 196885 A NA  
## hostnameHD 197037 NA  
## hostnameHD 199509 NA  
## hostnameHD 19994 NA  
## hostnameHD 20003 NA  
## hostnameHD 200964 NA  
## hostnameHD 202206 NA  
## hostnameHD 202772 A NA  
## hostnameHD 20329 NA  
## hostnameHD 2039 NA  
## hostnameHD 204313 NA  
## hostnameHD 204941 NA  
## hostnameHD 205158 NA  
## hostnameHD 205739 NA  
## hostnameHD 206255 NA  
## hostnameHD 206610 NA  
## hostnameHD 206893 NA  
## hostnameHD 207496 NA  
## hostnameHD 20781 NA  
## hostnameHD 20782 NA  
## hostnameHD 207832 NA  
## hostnameHD 207897 NA  
## hostnameHD 20794 NA  
## hostnameHD 208487 NA  
## hostnameHD 208527 NA  
## hostnameHD 20868 NA  
## hostnameHD 208897 NA  
## hostnameHD 209458 NA  
## hostnameHD 210193 NA  
## hostnameHD 210277 NA  
## hostnameHD 210702 NA  
## hostnameHD 211403 NA  
## hostnameHD 211810 NA  
## hostnameHD 211970 NA  
## hostnameHD 212301 NA  
## hostnameHD 212771 NA  
## hostnameHD 213240 NA  
## hostnameHD 213472 NA  
## hostnameHD 213519 NA  
## hostnameHD 213885 NA  
## hostnameHD 21411 NA  
## hostnameHD 214823 NA  
## hostnameHD 215152 NA  
## hostnameHD 215497 NA  
## hostnameHD 216435 NA  
## hostnameHD 216437 NA  
## hostnameHD 216520 NA  
## hostnameHD 216536 NA  
## hostnameHD 216770 NA  
## hostnameHD 21693 NA  
## hostnameHD 217107 NA  
## hostnameHD 217786 NA  
## hostnameHD 217958 NA  
## hostnameHD 218566 NA  
## hostnameHD 219077 NA  
## hostnameHD 219134 NA  
## hostnameHD 219139 NA  
## hostnameHD 219415 NA  
## hostnameHD 219666 NA  
## hostnameHD 219828 NA  
## hostnameHD 220074 NA  
## hostnameHD 220197 NA  
## hostnameHD 220689 NA  
## hostnameHD 220773 NA  
## hostnameHD 220842 NA  
## hostnameHD 221287 NA  
## hostnameHD 221416 NA  
## hostnameHD 221420 NA  
## hostnameHD 221585 NA  
## hostnameHD 222076 NA  
## hostnameHD 222155 NA  
## hostnameHD 222582 NA  
## hostnameHD 224538 NA  
## hostnameHD 224693 NA  
## hostnameHD 22532 NA  
## hostnameHD 22781 NA  
## hostnameHD 22946 NA  
## hostnameHD 23079 NA  
## hostnameHD 23127 NA  
## hostnameHD 231701 NA  
## hostnameHD 233604 NA  
## hostnameHD 233832 NA  
## hostnameHD 23472 NA  
## hostnameHD 23596 NA  
## hostnameHD 238090 NA  
## hostnameHD 238914 NA  
## hostnameHD 240210 NA  
## hostnameHD 240237 NA  
## hostnameHD 24040 NA  
## hostnameHD 24064 NA  
## hostnameHD 24085 NA  
## hostnameHD 25015 NA  
## hostnameHD 25171 NA  
## hostnameHD 25723 NA  
## hostnameHD 25912 NA  
## hostnameHD 260655 NA  
## hostnameHD 26161 NA  
## hostnameHD 2638 NA  
## hostnameHD 2685 NA  
## hostnameHD 27442 NA  
## hostnameHD 27631 NA  
## hostnameHD 27894 NA  
## hostnameHD 27969 NA  
## hostnameHD 28109 NA  
## hostnameHD 28185 NA  
## hostnameHD 28192 NA  
## hostnameHD 28254 NA  
## hostnameHD 285507 NA  
## hostnameHD 285968 NA  
## hostnameHD 28678 NA  
## hostnameHD 29021 NA  
## hostnameHD 290327 NA  
## hostnameHD 29399 NA  
## hostnameHD 2952 NA  
## hostnameHD 29985 NA  
## hostnameHD 30177 NA  
## hostnameHD 30562 NA  
## hostnameHD 30669 NA  
## hostnameHD 307842 NA  
## hostnameHD 30856 NA  
## hostnameHD 31253 NA  
## hostnameHD 31527 NA  
## hostnameHD 3167 NA  
## hostnameHD 32518 NA  
## hostnameHD 32963 NA  
## hostnameHD 330075 NA  
## hostnameHD 331093 NA  
## hostnameHD 33142 NA  
## hostnameHD 332231 NA  
## hostnameHD 33283 NA  
## hostnameHD 33564 NA  
## hostnameHD 33844 NA  
## hostnameHD 34445 NA  
## hostnameHD 35759 NA  
## hostnameHD 360 NA  
## hostnameHD 36384 NA  
## hostnameHD 3651 NA  
## hostnameHD 37124 NA  
## hostnameHD 37605 NA  
## hostnameHD 3765 NA  
## hostnameHD 38283 NA  
## hostnameHD 38529 NA  
## hostnameHD 38801 NA  
## hostnameHD 39091 NA  
## hostnameHD 39194 NA  
## hostnameHD 39855 NA  
## hostnameHD 40307 NA  
## hostnameHD 40956 NA  
## hostnameHD 40979 NA  
## hostnameHD 4113 NA  
## hostnameHD 42012 NA  
## hostnameHD 4203 NA  
## hostnameHD 4208 NA  
## hostnameHD 42618 NA  
## hostnameHD 4308 NA  
## hostnameHD 4313 NA  
## hostnameHD 43197 NA  
## hostnameHD 43691 NA  
## hostnameHD 44219 NA  
## hostnameHD 45184 NA  
## hostnameHD 45350 NA  
## hostnameHD 45364 NA  
## hostnameHD 45652 NA  
## hostnameHD 457 NA  
## hostnameHD 46375 NA  
## hostnameHD 47186 NA  
## hostnameHD 4732 NA  
## hostnameHD 47366 NA  
## hostnameHD 47536 NA  
## hostnameHD 4760 NA  
## hostnameHD 48265 NA  
## hostnameHD 4917 NA  
## hostnameHD 49674 NA  
## hostnameHD 50499 NA  
## hostnameHD 50554 NA  
## hostnameHD 51608 NA  
## hostnameHD 52265 NA  
## hostnameHD 5278 NA  
## hostnameHD 5319 NA  
## hostnameHD 55696 NA  
## hostnameHD 5583 NA  
## hostnameHD 5608 NA  
## hostnameHD 564 NA  
## hostnameHD 56414 NA  
## hostnameHD 56957 NA  
## hostnameHD 5891 NA  
## hostnameHD 59686 A NA  
## hostnameHD 60292 NA  
## hostnameHD 60532 NA  
## hostnameHD 62364 NA  
## hostnameHD 62549 NA  
## hostnameHD 63433 NA  
## hostnameHD 63454 NA  
## hostnameHD 63765 NA  
## hostnameHD 64114 NA  
## hostnameHD 64121 NA  
## hostnameHD 6434 NA  
## hostnameHD 65216 NA  
## hostnameHD 66141 NA  
## hostnameHD 66428 NA  
## hostnameHD 67087 NA  
## hostnameHD 6718 NA  
## hostnameHD 68402 NA  
## hostnameHD 68988 NA  
## hostnameHD 69123 NA  
## hostnameHD 69830 NA  
## hostnameHD 70573 NA  
## hostnameHD 70642 NA  
## hostnameHD 7199 NA  
## hostnameHD 72490 NA  
## hostnameHD 72659 NA  
## hostnameHD 72892 NA  
## hostnameHD 73256 NA  
## hostnameHD 73267 NA  
## hostnameHD 73526 NA  
## hostnameHD 73534 NA  
## hostnameHD 73583 NA  
## hostnameHD 74156 NA  
## hostnameHD 7449 NA  
## hostnameHD 74698 NA  
## hostnameHD 75289 NA  
## hostnameHD 75302 NA  
## hostnameHD 75784 NA  
## hostnameHD 75898 NA  
## hostnameHD 76700 NA  
## hostnameHD 76920 NA  
## hostnameHD 77338 NA  
## hostnameHD 79181 NA  
## hostnameHD 7924 NA  
## hostnameHD 79498 NA  
## hostnameHD 80606 NA  
## hostnameHD 80653 NA  
## hostnameHD 80869 NA  
## hostnameHD 80883 NA  
## hostnameHD 80913 NA  
## hostnameHD 81040 NA  
## hostnameHD 81688 NA  
## hostnameHD 81817 NA  
## hostnameHD 82886 NA  
## hostnameHD 82943 NA  
## hostnameHD 8326 NA  
## hostnameHD 83443 NA  
## hostnameHD 8535 NA  
## hostnameHD 85390 NA  
## hostnameHD 85512 NA  
## hostnameHD 8574 NA  
## hostnameHD 86065 NA  
## hostnameHD 86081 NA  
## hostnameHD 86226 NA  
## hostnameHD 86264 NA  
## hostnameHD 8673 NA  
## hostnameHD 86950 NA  
## hostnameHD 87646 NA  
## hostnameHD 87883 NA  
## hostnameHD 88072 NA  
## hostnameHD 88133 NA  
## hostnameHD 89307 NA  
## hostnameHD 89345 NA  
## hostnameHD 89744 NA  
## hostnameHD 89839 NA  
## hostnameHD 90156 NA  
## hostnameHD 9174 NA  
## hostnameHD 92788 NA  
## hostnameHD 93083 NA  
## hostnameHD 93351 NA  
## hostnameHD 93385 NA  
## hostnameHD 9446 NA  
## hostnameHD 94771 NA  
## hostnameHD 94834 NA  
## hostnameHD 95089 NA  
## hostnameHD 95127 NA  
## hostnameHD 95338 NA  
## hostnameHD 95544 NA  
## hostnameHD 95872 NA  
## hostnameHD 96063 NA  
## hostnameHD 96127 NA  
## hostnameHD 96167 NA  
## hostnameHD 96700 NA  
## hostnameHD 96992 NA  
## hostnameHD 97037 NA  
## hostnameHD 97658 NA  
## hostnameHD 98219 NA  
## hostnameHD 98649 NA  
## hostnameHD 98736 NA  
## hostnameHD 99109 NA  
## hostnameHD 99283 NA  
## hostnameHD 99492 NA  
## hostnameHD 99706 NA  
## hostnameHIP 105854 NA  
## hostnameHIP 107772 NA  
## hostnameHIP 107773 NA  
## hostnameHIP 109384 NA  
## hostnameHIP 109600 NA  
## hostnameHIP 114933 NA  
## hostnameHIP 116454 NA  
## hostnameHIP 12961 NA  
## hostnameHIP 14810 NA  
## hostnameHIP 19976 NA  
## hostnameHIP 21152 NA  
## hostnameHIP 34222 NA  
## hostnameHIP 35173 NA  
## hostnameHIP 35965 NA  
## hostnameHIP 38594 NA  
## hostnameHIP 4845 NA  
## hostnameHIP 48714 NA  
## hostnameHIP 5158 NA  
## hostnameHIP 54373 NA  
## hostnameHIP 54597 NA  
## hostnameHIP 55507 NA  
## hostnameHIP 56640 NA  
## hostnameHIP 57274 NA  
## hostnameHIP 5763 NA  
## hostnameHIP 63242 NA  
## hostnameHIP 65 A NA  
## hostnameHIP 65407 NA  
## hostnameHIP 65891 NA  
## hostnameHIP 67537 NA  
## hostnameHIP 67851 NA  
## hostnameHIP 70849 NA  
## hostnameHIP 71135 NA  
## hostnameHIP 74890 NA  
## hostnameHIP 75056 A NA  
## hostnameHIP 75092 NA  
## hostnameHIP 79431 NA  
## hostnameHIP 8541 NA  
## hostnameHIP 90988 NA  
## hostnameHIP 91258 NA  
## hostnameHIP 948 NA  
## hostnameHIP 9618 NA  
## hostnameHIP 97166 NA  
## hostnameHIP 97233 NA  
## hostnameHIP 99770 NA  
## hostnameHN Lib NA  
## hostnameHR 5183 NA  
## hostnameHR 810 NA  
## hostnameHR 858 NA  
## hostnameHR 8799 NA  
## hostnameIC 4651 9122 NA  
## hostnameiot Dra NA  
## hostnameK2-10 NA  
## hostnameK2-100 NA  
## hostnameK2-101 NA  
## hostnameK2-104 NA  
## hostnameK2-107 NA  
## hostnameK2-108 NA  
## hostnameK2-110 NA  
## hostnameK2-111 NA  
## hostnameK2-113 NA  
## hostnameK2-114 NA  
## hostnameK2-115 NA  
## hostnameK2-116 NA  
## hostnameK2-117 NA  
## hostnameK2-118 NA  
## hostnameK2-119 NA  
## hostnameK2-12 NA  
## hostnameK2-121 NA  
## hostnameK2-122 NA  
## hostnameK2-123 NA  
## hostnameK2-124 NA  
## hostnameK2-125 NA  
## hostnameK2-126 NA  
## hostnameK2-127 NA  
## hostnameK2-128 NA  
## hostnameK2-129 NA  
## hostnameK2-130 NA  
## hostnameK2-131 NA  
## hostnameK2-132 NA  
## hostnameK2-136 NA  
## hostnameK2-138 NA  
## hostnameK2-139 NA  
## hostnameK2-14 NA  
## hostnameK2-140 NA  
## hostnameK2-141 NA  
## hostnameK2-146 NA  
## hostnameK2-167 NA  
## hostnameK2-17 NA  
## hostnameK2-18 NA  
## hostnameK2-180 NA  
## hostnameK2-182 NA  
## hostnameK2-19 NA  
## hostnameK2-199 NA  
## hostnameK2-21 NA  
## hostnameK2-216 NA  
## hostnameK2-222 NA  
## hostnameK2-229 NA  
## hostnameK2-232 NA  
## hostnameK2-233 NA  
## hostnameK2-237 NA  
## hostnameK2-238 NA  
## hostnameK2-24 NA  
## hostnameK2-25 NA  
## hostnameK2-260 NA  
## hostnameK2-261 NA  
## hostnameK2-263 NA  
## hostnameK2-264 NA  
## hostnameK2-265 NA  
## hostnameK2-266 NA  
## hostnameK2-27 NA  
## hostnameK2-28 NA  
## hostnameK2-280 NA  
## hostnameK2-284 NA  
## hostnameK2-285 NA  
## hostnameK2-287 NA  
## hostnameK2-29 NA  
## hostnameK2-290 NA  
## hostnameK2-291 NA  
## hostnameK2-292 NA  
## hostnameK2-295 NA  
## hostnameK2-3 NA  
## hostnameK2-30 NA  
## hostnameK2-31 NA  
## hostnameK2-32 NA  
## hostnameK2-329 NA  
## hostnameK2-34 NA  
## hostnameK2-35 NA  
## hostnameK2-36 NA  
## hostnameK2-38 NA  
## hostnameK2-39 NA  
## hostnameK2-4 NA  
## hostnameK2-43 NA  
## hostnameK2-45 NA  
## hostnameK2-55 NA  
## hostnameK2-60 NA  
## hostnameK2-66 NA  
## hostnameK2-72 NA  
## hostnameK2-79 NA  
## hostnameK2-81 NA  
## hostnameK2-83 NA  
## hostnameK2-85 NA  
## hostnameK2-88 NA  
## hostnameK2-89 NA  
## hostnameK2-90 NA  
## hostnameK2-91 NA  
## hostnameK2-95 NA  
## hostnameK2-97 NA  
## hostnameK2-98 NA  
## hostnameK2-99 NA  
## hostnamekap CrB NA  
## hostnameKapteyn NA  
## hostnameKELT-1 NA  
## hostnameKELT-11 NA  
## hostnameKELT-12 NA  
## hostnameKELT-14 NA  
## hostnameKELT-15 NA  
## hostnameKELT-16 NA  
## hostnameKELT-18 NA  
## hostnameKELT-2 A NA  
## hostnameKELT-20 NA  
## hostnameKELT-21 NA  
## hostnameKELT-23 A NA  
## hostnameKELT-24 NA  
## hostnameKELT-3 NA  
## hostnameKELT-4 A NA  
## hostnameKELT-6 NA  
## hostnameKELT-7 NA  
## hostnameKELT-8 NA  
## hostnameKELT-9 NA  
## hostnameKepler-10 NA  
## hostnameKepler-100 NA  
## hostnameKepler-1000 NA  
## hostnameKepler-1001 NA  
## hostnameKepler-1002 NA  
## hostnameKepler-1003 NA  
## hostnameKepler-1004 NA  
## hostnameKepler-1005 NA  
## hostnameKepler-1007 NA  
## hostnameKepler-1008 NA  
## hostnameKepler-1009 NA  
## hostnameKepler-101 NA  
## hostnameKepler-1010 NA  
## hostnameKepler-1011 NA  
## hostnameKepler-1012 NA  
## hostnameKepler-1013 NA  
## hostnameKepler-1014 NA  
## hostnameKepler-1015 NA  
## hostnameKepler-1016 NA  
## hostnameKepler-1017 NA  
## hostnameKepler-1018 NA  
## hostnameKepler-1019 NA  
## hostnameKepler-102 NA  
## hostnameKepler-1020 NA  
## hostnameKepler-1021 NA  
## hostnameKepler-1022 NA  
## hostnameKepler-1023 NA  
## hostnameKepler-1024 NA  
## hostnameKepler-1025 NA  
## hostnameKepler-1026 NA  
## hostnameKepler-1027 NA  
## hostnameKepler-1028 NA  
## hostnameKepler-1029 NA  
## hostnameKepler-103 NA  
## hostnameKepler-1030 NA  
## hostnameKepler-1032 NA  
## hostnameKepler-1033 NA  
## hostnameKepler-1034 NA  
## hostnameKepler-1035 NA  
## hostnameKepler-1036 NA  
## hostnameKepler-1037 NA  
## hostnameKepler-1038 NA  
## hostnameKepler-1039 NA  
## hostnameKepler-104 NA  
## hostnameKepler-1040 NA  
## hostnameKepler-1041 NA  
## hostnameKepler-1042 NA  
## hostnameKepler-1043 NA  
## hostnameKepler-1044 NA  
## hostnameKepler-1045 NA  
## hostnameKepler-1046 NA  
## hostnameKepler-1047 NA  
## hostnameKepler-1048 NA  
## hostnameKepler-1049 NA  
## hostnameKepler-105 NA  
## hostnameKepler-1050 NA  
## hostnameKepler-1051 NA  
## hostnameKepler-1052 NA  
## hostnameKepler-1053 NA  
## hostnameKepler-1054 NA  
## hostnameKepler-1055 NA  
## hostnameKepler-1056 NA  
## hostnameKepler-1057 NA  
## hostnameKepler-1058 NA  
## hostnameKepler-1059 NA  
## hostnameKepler-106 NA  
## hostnameKepler-1060 NA  
## hostnameKepler-1061 NA  
## hostnameKepler-1062 NA  
## hostnameKepler-1064 NA  
## hostnameKepler-1065 NA  
## hostnameKepler-1066 NA  
## hostnameKepler-1067 NA  
## hostnameKepler-1068 NA  
## hostnameKepler-1069 NA  
## hostnameKepler-107 NA  
## hostnameKepler-1070 NA  
## hostnameKepler-1071 NA  
## hostnameKepler-1072 NA  
## hostnameKepler-1073 NA  
## hostnameKepler-1074 NA  
## hostnameKepler-1075 NA  
## hostnameKepler-1076 NA  
## hostnameKepler-1077 NA  
## hostnameKepler-1078 NA  
## hostnameKepler-108 NA  
## hostnameKepler-1080 NA  
## hostnameKepler-1081 NA  
## hostnameKepler-1082 NA  
## hostnameKepler-1083 NA  
## hostnameKepler-1084 NA  
## hostnameKepler-1085 NA  
## hostnameKepler-1086 NA  
## hostnameKepler-1087 NA  
## hostnameKepler-1088 NA  
## hostnameKepler-1089 NA  
## hostnameKepler-109 NA  
## hostnameKepler-1090 NA  
## hostnameKepler-1091 NA  
## hostnameKepler-1092 NA  
## hostnameKepler-1093 NA  
## hostnameKepler-1094 NA  
## hostnameKepler-1095 NA  
## hostnameKepler-1096 NA  
## hostnameKepler-1097 NA  
## hostnameKepler-1098 NA  
## hostnameKepler-1099 NA  
## hostnameKepler-11 NA  
## hostnameKepler-110 NA  
## hostnameKepler-1100 NA  
## hostnameKepler-1101 NA  
## hostnameKepler-1102 NA  
## hostnameKepler-1103 NA  
## hostnameKepler-1104 NA  
## hostnameKepler-1105 NA  
## hostnameKepler-1106 NA  
## hostnameKepler-1107 NA  
## hostnameKepler-1108 NA  
## hostnameKepler-1109 NA  
## hostnameKepler-111 NA  
## hostnameKepler-1110 NA  
## hostnameKepler-1111 NA  
## hostnameKepler-1112 NA  
## hostnameKepler-1113 NA  
## hostnameKepler-1114 NA  
## hostnameKepler-1115 NA  
## hostnameKepler-1116 NA  
## hostnameKepler-1117 NA  
## hostnameKepler-1118 NA  
## hostnameKepler-1119 NA  
## hostnameKepler-112 NA  
## hostnameKepler-1120 NA  
## hostnameKepler-1121 NA  
## hostnameKepler-1122 NA  
## hostnameKepler-1123 NA  
## hostnameKepler-1124 NA  
## hostnameKepler-1125 NA  
## hostnameKepler-1126 NA  
## hostnameKepler-1127 NA  
## hostnameKepler-1128 NA  
## hostnameKepler-1129 NA  
## hostnameKepler-113 NA  
## hostnameKepler-1130 NA  
## hostnameKepler-1131 NA  
## hostnameKepler-1132 NA  
## hostnameKepler-1133 NA  
## hostnameKepler-1134 NA  
## hostnameKepler-1135 NA  
## hostnameKepler-1136 NA  
## hostnameKepler-1137 NA  
## hostnameKepler-1138 NA  
## hostnameKepler-1139 NA  
## hostnameKepler-114 NA  
## hostnameKepler-1140 NA  
## hostnameKepler-1141 NA  
## hostnameKepler-1142 NA  
## hostnameKepler-1143 NA  
## hostnameKepler-1144 NA  
## hostnameKepler-1145 NA  
## hostnameKepler-1146 NA  
## hostnameKepler-1147 NA  
## hostnameKepler-1148 NA  
## hostnameKepler-1149 NA  
## hostnameKepler-115 NA  
## hostnameKepler-1150 NA  
## hostnameKepler-1151 NA  
## hostnameKepler-1152 NA  
## hostnameKepler-1153 NA  
## hostnameKepler-1154 NA  
## hostnameKepler-1155 NA  
## hostnameKepler-1156 NA  
## hostnameKepler-1157 NA  
## hostnameKepler-1158 NA  
## hostnameKepler-1159 NA  
## hostnameKepler-116 NA  
## hostnameKepler-1160 NA  
## hostnameKepler-1161 NA  
## hostnameKepler-1162 NA  
## hostnameKepler-1163 NA  
## hostnameKepler-1164 NA  
## hostnameKepler-1165 NA  
## hostnameKepler-1166 NA  
## hostnameKepler-1167 NA  
## hostnameKepler-1168 NA  
## hostnameKepler-1169 NA  
## hostnameKepler-117 NA  
## hostnameKepler-1170 NA  
## hostnameKepler-1171 NA  
## hostnameKepler-1172 NA  
## hostnameKepler-1173 NA  
## hostnameKepler-1174 NA  
## hostnameKepler-1175 NA  
## hostnameKepler-1176 NA  
## hostnameKepler-1177 NA  
## hostnameKepler-1178 NA  
## hostnameKepler-1179 NA  
## hostnameKepler-118 NA  
## hostnameKepler-1180 NA  
## hostnameKepler-1181 NA  
## hostnameKepler-1182 NA  
## hostnameKepler-1183 NA  
## hostnameKepler-1184 NA  
## hostnameKepler-1185 NA  
## hostnameKepler-1186 NA  
## hostnameKepler-1187 NA  
## hostnameKepler-1188 NA  
## hostnameKepler-1189 NA  
## hostnameKepler-119 NA  
## hostnameKepler-1190 NA  
## hostnameKepler-1191 NA  
## hostnameKepler-1192 NA  
## hostnameKepler-1193 NA  
## hostnameKepler-1194 NA  
## hostnameKepler-1195 NA  
## hostnameKepler-1196 NA  
## hostnameKepler-1197 NA  
## hostnameKepler-1198 NA  
## hostnameKepler-1199 NA  
## hostnameKepler-12 NA  
## hostnameKepler-120 NA  
## hostnameKepler-1200 NA  
## hostnameKepler-1201 NA  
## hostnameKepler-1202 NA  
## hostnameKepler-1203 NA  
## hostnameKepler-1204 NA  
## hostnameKepler-1205 NA  
## hostnameKepler-1206 NA  
## hostnameKepler-1207 NA  
## hostnameKepler-1208 NA  
## hostnameKepler-1209 NA  
## hostnameKepler-121 NA  
## hostnameKepler-1210 NA  
## hostnameKepler-1211 NA  
## hostnameKepler-1212 NA  
## hostnameKepler-1213 NA  
## hostnameKepler-1214 NA  
## hostnameKepler-1215 NA  
## hostnameKepler-1216 NA  
## hostnameKepler-1217 NA  
## hostnameKepler-1218 NA  
## hostnameKepler-1219 NA  
## hostnameKepler-122 NA  
## hostnameKepler-1220 NA  
## hostnameKepler-1221 NA  
## hostnameKepler-1222 NA  
## hostnameKepler-1223 NA  
## hostnameKepler-1224 NA  
## hostnameKepler-1225 NA  
## hostnameKepler-1226 NA  
## hostnameKepler-1227 NA  
## hostnameKepler-1228 NA  
## hostnameKepler-1229 NA  
## hostnameKepler-123 NA  
## hostnameKepler-1230 NA  
## hostnameKepler-1231 NA  
## hostnameKepler-1232 NA  
## hostnameKepler-1233 NA  
## hostnameKepler-1234 NA  
## hostnameKepler-1235 NA  
## hostnameKepler-1236 NA  
## hostnameKepler-1237 NA  
## hostnameKepler-1238 NA  
## hostnameKepler-1239 NA  
## hostnameKepler-124 NA  
## hostnameKepler-1240 NA  
## hostnameKepler-1241 NA  
## hostnameKepler-1242 NA  
## hostnameKepler-1243 NA  
## hostnameKepler-1244 NA  
## hostnameKepler-1245 NA  
## hostnameKepler-1246 NA  
## hostnameKepler-1247 NA  
## hostnameKepler-1248 NA  
## hostnameKepler-1249 NA  
## hostnameKepler-125 NA  
## hostnameKepler-1250 NA  
## hostnameKepler-1251 NA  
## hostnameKepler-1252 NA  
## hostnameKepler-1253 NA  
## hostnameKepler-1254 NA  
## hostnameKepler-1255 NA  
## hostnameKepler-1256 NA  
## hostnameKepler-1257 NA  
## hostnameKepler-1258 NA  
## hostnameKepler-1259 NA  
## hostnameKepler-126 NA  
## hostnameKepler-1260 NA  
## hostnameKepler-1261 NA  
## hostnameKepler-1262 NA  
## hostnameKepler-1263 NA  
## hostnameKepler-1264 NA  
## hostnameKepler-1265 NA  
## hostnameKepler-1266 NA  
## hostnameKepler-1267 NA  
## hostnameKepler-1268 NA  
## hostnameKepler-1269 NA  
## hostnameKepler-127 NA  
## hostnameKepler-1270 NA  
## hostnameKepler-1271 NA  
## hostnameKepler-1272 NA  
## hostnameKepler-1273 NA  
## hostnameKepler-1274 NA  
## hostnameKepler-1275 NA  
## hostnameKepler-1276 NA  
## hostnameKepler-1277 NA  
## hostnameKepler-1278 NA  
## hostnameKepler-1279 NA  
## hostnameKepler-128 NA  
## hostnameKepler-1280 NA  
## hostnameKepler-1281 NA  
## hostnameKepler-1282 NA  
## hostnameKepler-1283 NA  
## hostnameKepler-1284 NA  
## hostnameKepler-1285 NA  
## hostnameKepler-1286 NA  
## hostnameKepler-1287 NA  
## hostnameKepler-1288 NA  
## hostnameKepler-1289 NA  
## hostnameKepler-129 NA  
## hostnameKepler-1290 NA  
## hostnameKepler-1291 NA  
## hostnameKepler-1292 NA  
## hostnameKepler-1293 NA  
## hostnameKepler-1294 NA  
## hostnameKepler-1295 NA  
## hostnameKepler-1296 NA  
## hostnameKepler-1297 NA  
## hostnameKepler-1298 NA  
## hostnameKepler-1299 NA  
## hostnameKepler-130 NA  
## hostnameKepler-1300 NA  
## hostnameKepler-1301 NA  
## hostnameKepler-1302 NA  
## hostnameKepler-1303 NA  
## hostnameKepler-1304 NA  
## hostnameKepler-1305 NA  
## hostnameKepler-1306 NA  
## hostnameKepler-1307 NA  
## hostnameKepler-1308 NA  
## hostnameKepler-1309 NA  
## hostnameKepler-131 NA  
## hostnameKepler-1310 NA  
## hostnameKepler-1311 NA  
## hostnameKepler-1312 NA  
## hostnameKepler-1313 NA  
## hostnameKepler-1314 NA  
## hostnameKepler-1315 NA  
## hostnameKepler-1316 NA  
## hostnameKepler-1317 NA  
## hostnameKepler-1318 NA  
## hostnameKepler-1319 NA  
## hostnameKepler-1320 NA  
## hostnameKepler-1321 NA  
## hostnameKepler-1322 NA  
## hostnameKepler-1323 NA  
## hostnameKepler-1324 NA  
## hostnameKepler-1325 NA  
## hostnameKepler-1326 NA  
## hostnameKepler-1327 NA  
## hostnameKepler-1328 NA  
## hostnameKepler-1329 NA  
## hostnameKepler-133 NA  
## hostnameKepler-1330 NA  
## hostnameKepler-1331 NA  
## hostnameKepler-1332 NA  
## hostnameKepler-1333 NA  
## hostnameKepler-1334 NA  
## hostnameKepler-1335 NA  
## hostnameKepler-1336 NA  
## hostnameKepler-1337 NA  
## hostnameKepler-1338 NA  
## hostnameKepler-1339 NA  
## hostnameKepler-134 NA  
## hostnameKepler-1340 NA  
## hostnameKepler-1341 NA  
## hostnameKepler-1342 NA  
## hostnameKepler-1343 NA  
## hostnameKepler-1344 NA  
## hostnameKepler-1345 NA  
## hostnameKepler-1346 NA  
## hostnameKepler-1347 NA  
## hostnameKepler-1348 NA  
## hostnameKepler-1349 NA  
## hostnameKepler-135 NA  
## hostnameKepler-1350 NA  
## hostnameKepler-1351 NA  
## hostnameKepler-1352 NA  
## hostnameKepler-1353 NA  
## hostnameKepler-1354 NA  
## hostnameKepler-1355 NA  
## hostnameKepler-1356 NA  
## hostnameKepler-1357 NA  
## hostnameKepler-1358 NA  
## hostnameKepler-1359 NA  
## hostnameKepler-136 NA  
## hostnameKepler-1360 NA  
## hostnameKepler-1361 NA  
## hostnameKepler-1362 NA  
## hostnameKepler-1363 NA  
## hostnameKepler-1364 NA  
## hostnameKepler-1365 NA  
## hostnameKepler-1366 NA  
## hostnameKepler-1367 NA  
## hostnameKepler-1368 NA  
## hostnameKepler-1369 NA  
## hostnameKepler-137 NA  
## hostnameKepler-1370 NA  
## hostnameKepler-1371 NA  
## hostnameKepler-1372 NA  
## hostnameKepler-1373 NA  
## hostnameKepler-1374 NA  
## hostnameKepler-1375 NA  
## hostnameKepler-1376 NA  
## hostnameKepler-1377 NA  
## hostnameKepler-1378 NA  
## hostnameKepler-1379 NA  
## hostnameKepler-138 NA  
## hostnameKepler-1380 NA  
## hostnameKepler-1381 NA  
## hostnameKepler-1382 NA  
## hostnameKepler-1383 NA  
## hostnameKepler-1384 NA  
## hostnameKepler-1385 NA  
## hostnameKepler-1386 NA  
## hostnameKepler-1387 NA  
## hostnameKepler-1388 NA  
## hostnameKepler-1389 NA  
## hostnameKepler-139 NA  
## hostnameKepler-1390 NA  
## hostnameKepler-1391 NA  
## hostnameKepler-1392 NA  
## hostnameKepler-1393 NA  
## hostnameKepler-1394 NA  
## hostnameKepler-1395 NA  
## hostnameKepler-1396 NA  
## hostnameKepler-1397 NA  
## hostnameKepler-1398 NA  
## hostnameKepler-1399 NA  
## hostnameKepler-140 NA  
## hostnameKepler-1400 NA  
## hostnameKepler-1401 NA  
## hostnameKepler-1402 NA  
## hostnameKepler-1403 NA  
## hostnameKepler-1404 NA  
## hostnameKepler-1405 NA  
## hostnameKepler-1406 NA  
## hostnameKepler-1407 NA  
## hostnameKepler-1408 NA  
## hostnameKepler-1409 NA  
## hostnameKepler-141 NA  
## hostnameKepler-1410 NA  
## hostnameKepler-1411 NA  
## hostnameKepler-1412 NA  
## hostnameKepler-1413 NA  
## hostnameKepler-1414 NA  
## hostnameKepler-1415 NA  
## hostnameKepler-1416 NA  
## hostnameKepler-1417 NA  
## hostnameKepler-1418 NA  
## hostnameKepler-1419 NA  
## hostnameKepler-142 NA  
## hostnameKepler-1420 NA  
## hostnameKepler-1421 NA  
## hostnameKepler-1422 NA  
## hostnameKepler-1423 NA  
## hostnameKepler-1424 NA  
## hostnameKepler-1425 NA  
## hostnameKepler-1426 NA  
## hostnameKepler-1427 NA  
## hostnameKepler-1428 NA  
## hostnameKepler-1429 NA  
## hostnameKepler-143 NA  
## hostnameKepler-1430 NA  
## hostnameKepler-1431 NA  
## hostnameKepler-1432 NA  
## hostnameKepler-1434 NA  
## hostnameKepler-1435 NA  
## hostnameKepler-1436 NA  
## hostnameKepler-1437 NA  
## hostnameKepler-1438 NA  
## hostnameKepler-1439 NA  
## hostnameKepler-144 NA  
## hostnameKepler-1440 NA  
## hostnameKepler-1441 NA  
## hostnameKepler-1442 NA  
## hostnameKepler-1443 NA  
## hostnameKepler-1444 NA  
## hostnameKepler-1445 NA  
## hostnameKepler-1446 NA  
## hostnameKepler-1447 NA  
## hostnameKepler-1448 NA  
## hostnameKepler-1449 NA  
## hostnameKepler-145 NA  
## hostnameKepler-1450 NA  
## hostnameKepler-1451 NA  
## hostnameKepler-1452 NA  
## hostnameKepler-1453 NA  
## hostnameKepler-1454 NA  
## hostnameKepler-1455 NA  
## hostnameKepler-1456 NA  
## hostnameKepler-1457 NA  
## hostnameKepler-1458 NA  
## hostnameKepler-1459 NA  
## hostnameKepler-146 NA  
## hostnameKepler-1460 NA  
## hostnameKepler-1461 NA  
## hostnameKepler-1462 NA  
## hostnameKepler-1463 NA  
## hostnameKepler-1464 NA  
## hostnameKepler-1465 NA  
## hostnameKepler-1466 NA  
## hostnameKepler-1467 NA  
## hostnameKepler-1468 NA  
## hostnameKepler-1469 NA  
## hostnameKepler-147 NA  
## hostnameKepler-1470 NA  
## hostnameKepler-1471 NA  
## hostnameKepler-1472 NA  
## hostnameKepler-1473 NA  
## hostnameKepler-1474 NA  
## hostnameKepler-1475 NA  
## hostnameKepler-1476 NA  
## hostnameKepler-1477 NA  
## hostnameKepler-1478 NA  
## hostnameKepler-1479 NA  
## hostnameKepler-148 NA  
## hostnameKepler-1480 NA  
## hostnameKepler-1481 NA  
## hostnameKepler-1482 NA  
## hostnameKepler-1483 NA  
## hostnameKepler-1484 NA  
## hostnameKepler-1485 NA  
## hostnameKepler-1486 NA  
## hostnameKepler-1487 NA  
## hostnameKepler-1488 NA  
## hostnameKepler-1489 NA  
## hostnameKepler-149 NA  
## hostnameKepler-1490 NA  
## hostnameKepler-1491 NA  
## hostnameKepler-1492 NA  
## hostnameKepler-1493 NA  
## hostnameKepler-1494 NA  
## hostnameKepler-1495 NA  
## hostnameKepler-1496 NA  
## hostnameKepler-1497 NA  
## hostnameKepler-1498 NA  
## hostnameKepler-1499 NA  
## hostnameKepler-15 NA  
## hostnameKepler-150 NA  
## hostnameKepler-1500 NA  
## hostnameKepler-1501 NA  
## hostnameKepler-1502 NA  
## hostnameKepler-1503 NA  
## hostnameKepler-1504 NA  
## hostnameKepler-1505 NA  
## hostnameKepler-1506 NA  
## hostnameKepler-1507 NA  
## hostnameKepler-1508 NA  
## hostnameKepler-1509 NA  
## hostnameKepler-151 NA  
## hostnameKepler-1510 NA  
## hostnameKepler-1511 NA  
## hostnameKepler-1512 NA  
## hostnameKepler-1513 NA  
## hostnameKepler-1514 NA  
## hostnameKepler-1515 NA  
## hostnameKepler-1516 NA  
## hostnameKepler-1517 NA  
## hostnameKepler-1518 NA  
## hostnameKepler-1519 NA  
## hostnameKepler-152 NA  
## hostnameKepler-1520 NA  
## hostnameKepler-1521 NA  
## hostnameKepler-1522 NA  
## hostnameKepler-1523 NA  
## hostnameKepler-1524 NA  
## hostnameKepler-1525 NA  
## hostnameKepler-1526 NA  
## hostnameKepler-1527 NA  
## hostnameKepler-1528 NA  
## hostnameKepler-1529 NA  
## hostnameKepler-153 NA  
## hostnameKepler-1530 NA  
## hostnameKepler-1531 NA  
## hostnameKepler-1532 NA  
## hostnameKepler-1533 NA  
## hostnameKepler-1534 NA  
## hostnameKepler-1535 NA  
## hostnameKepler-1536 NA  
## hostnameKepler-1537 NA  
## hostnameKepler-1538 NA  
## hostnameKepler-1539 NA  
## hostnameKepler-154 NA  
## hostnameKepler-1540 NA  
## hostnameKepler-1541 NA  
## hostnameKepler-1542 NA  
## hostnameKepler-1543 NA  
## hostnameKepler-1544 NA  
## hostnameKepler-1545 NA  
## hostnameKepler-1546 NA  
## hostnameKepler-1547 NA  
## hostnameKepler-1548 NA  
## hostnameKepler-1549 NA  
## hostnameKepler-155 NA  
## hostnameKepler-1550 NA  
## hostnameKepler-1551 NA  
## hostnameKepler-1552 NA  
## hostnameKepler-1553 NA  
## hostnameKepler-1554 NA  
## hostnameKepler-1555 NA  
## hostnameKepler-1556 NA  
## hostnameKepler-1557 NA  
## hostnameKepler-1558 NA  
## hostnameKepler-1559 NA  
## hostnameKepler-156 NA  
## hostnameKepler-1560 NA  
## hostnameKepler-1561 NA  
## hostnameKepler-1562 NA  
## hostnameKepler-1563 NA  
## hostnameKepler-1564 NA  
## hostnameKepler-1565 NA  
## hostnameKepler-1566 NA  
## hostnameKepler-1567 NA  
## hostnameKepler-1568 NA  
## hostnameKepler-1569 NA  
## hostnameKepler-157 NA  
## hostnameKepler-1570 NA  
## hostnameKepler-1571 NA  
## hostnameKepler-1572 NA  
## hostnameKepler-1573 NA  
## hostnameKepler-1574 NA  
## hostnameKepler-1575 NA  
## hostnameKepler-1576 NA  
## hostnameKepler-1577 NA  
## hostnameKepler-1578 NA  
## hostnameKepler-1579 NA  
## hostnameKepler-158 NA  
## hostnameKepler-1580 NA  
## hostnameKepler-1581 NA  
## hostnameKepler-1582 NA  
## hostnameKepler-1583 NA  
## hostnameKepler-1584 NA  
## hostnameKepler-1585 NA  
## hostnameKepler-1586 NA  
## hostnameKepler-1587 NA  
## hostnameKepler-1588 NA  
## hostnameKepler-1589 NA  
## hostnameKepler-159 NA  
## hostnameKepler-1590 NA  
## hostnameKepler-1591 NA  
## hostnameKepler-1592 NA  
## hostnameKepler-1593 NA  
## hostnameKepler-1594 NA  
## hostnameKepler-1595 NA  
## hostnameKepler-1596 NA  
## hostnameKepler-1597 NA  
## hostnameKepler-1598 NA  
## hostnameKepler-1599 NA  
## hostnameKepler-16 NA  
## hostnameKepler-160 NA  
## hostnameKepler-1600 NA  
## hostnameKepler-1601 NA  
## hostnameKepler-1602 NA  
## hostnameKepler-1603 NA  
## hostnameKepler-1604 NA  
## hostnameKepler-1605 NA  
## hostnameKepler-1606 NA  
## hostnameKepler-1607 NA  
## hostnameKepler-1608 NA  
## hostnameKepler-1609 NA  
## hostnameKepler-161 NA  
## hostnameKepler-1610 NA  
## hostnameKepler-1611 NA  
## hostnameKepler-1612 NA  
## hostnameKepler-1613 NA  
## hostnameKepler-1614 NA  
## hostnameKepler-1615 NA  
## hostnameKepler-1616 NA  
## hostnameKepler-1617 NA  
## hostnameKepler-1618 NA  
## hostnameKepler-1619 NA  
## hostnameKepler-162 NA  
## hostnameKepler-1620 NA  
## hostnameKepler-1621 NA  
## hostnameKepler-1622 NA  
## hostnameKepler-1623 NA  
## hostnameKepler-1624 NA  
## hostnameKepler-1625 NA  
## hostnameKepler-1626 NA  
## hostnameKepler-1627 NA  
## hostnameKepler-1628 NA  
## hostnameKepler-1629 NA  
## hostnameKepler-163 NA  
## hostnameKepler-1630 NA  
## hostnameKepler-1631 NA  
## hostnameKepler-1632 NA  
## hostnameKepler-1633 NA  
## hostnameKepler-1634 NA  
## hostnameKepler-1635 NA  
## hostnameKepler-1636 NA  
## hostnameKepler-1637 NA  
## hostnameKepler-1638 NA  
## hostnameKepler-1639 NA  
## hostnameKepler-164 NA  
## hostnameKepler-1640 NA  
## hostnameKepler-1641 NA  
## hostnameKepler-1642 NA  
## hostnameKepler-1643 NA  
## hostnameKepler-1644 NA  
## hostnameKepler-1645 NA  
## hostnameKepler-1646 NA  
## hostnameKepler-1647 NA  
## hostnameKepler-1649 NA  
## hostnameKepler-165 NA  
## hostnameKepler-1650 NA  
## hostnameKepler-1651 NA  
## hostnameKepler-1652 NA  
## hostnameKepler-1654 NA  
## hostnameKepler-1655 NA  
## hostnameKepler-1656 NA  
## hostnameKepler-1658 NA  
## hostnameKepler-166 NA  
## hostnameKepler-1661 NA  
## hostnameKepler-1663 NA  
## hostnameKepler-1664 NA  
## hostnameKepler-1665 NA  
## hostnameKepler-1666 NA  
## hostnameKepler-1667 NA  
## hostnameKepler-1668 NA  
## hostnameKepler-1669 NA  
## hostnameKepler-167 NA  
## hostnameKepler-1670 NA  
## hostnameKepler-1671 NA  
## hostnameKepler-1672 NA  
## hostnameKepler-1673 NA  
## hostnameKepler-1674 NA  
## hostnameKepler-1675 NA  
## hostnameKepler-1677 NA  
## hostnameKepler-1678 NA  
## hostnameKepler-1679 NA  
## hostnameKepler-168 NA  
## hostnameKepler-1680 NA  
## hostnameKepler-1681 NA  
## hostnameKepler-1682 NA  
## hostnameKepler-1683 NA  
## hostnameKepler-1684 NA  
## hostnameKepler-1685 NA  
## hostnameKepler-1686 NA  
## hostnameKepler-1687 NA  
## hostnameKepler-1688 NA  
## hostnameKepler-1689 NA  
## hostnameKepler-169 NA  
## hostnameKepler-1690 NA  
## hostnameKepler-1691 NA  
## hostnameKepler-1692 NA  
## hostnameKepler-1693 NA  
## hostnameKepler-1694 NA  
## hostnameKepler-1695 NA  
## hostnameKepler-1696 NA  
## hostnameKepler-1697 NA  
## hostnameKepler-1698 NA  
## hostnameKepler-1699 NA  
## hostnameKepler-17 NA  
## hostnameKepler-170 NA  
## hostnameKepler-1700 NA  
## hostnameKepler-1701 NA  
## hostnameKepler-1702 NA  
## hostnameKepler-1704 NA  
## hostnameKepler-1705 NA  
## hostnameKepler-1709 NA  
## hostnameKepler-171 NA  
## hostnameKepler-1710 NA  
## hostnameKepler-1711 NA  
## hostnameKepler-1712 NA  
## hostnameKepler-1713 NA  
## hostnameKepler-1714 NA  
## hostnameKepler-1715 NA  
## hostnameKepler-1716 NA  
## hostnameKepler-1717 NA  
## hostnameKepler-1718 NA  
## hostnameKepler-1719 NA  
## hostnameKepler-172 NA  
## hostnameKepler-1720 NA  
## hostnameKepler-1721 NA  
## hostnameKepler-1722 NA  
## hostnameKepler-1723 NA  
## hostnameKepler-1724 NA  
## hostnameKepler-1725 NA  
## hostnameKepler-1726 NA  
## hostnameKepler-1727 NA  
## hostnameKepler-1728 NA  
## hostnameKepler-1729 NA  
## hostnameKepler-173 NA  
## hostnameKepler-1730 NA  
## hostnameKepler-1731 NA  
## hostnameKepler-1732 NA  
## hostnameKepler-1733 NA  
## hostnameKepler-1734 NA  
## hostnameKepler-1735 NA  
## hostnameKepler-1736 NA  
## hostnameKepler-1738 NA  
## hostnameKepler-1739 NA  
## hostnameKepler-174 NA  
## hostnameKepler-1740 NA  
## hostnameKepler-1741 NA  
## hostnameKepler-1742 NA  
## hostnameKepler-1743 NA  
## hostnameKepler-1744 NA  
## hostnameKepler-1745 NA  
## hostnameKepler-1746 NA  
## hostnameKepler-1747 NA  
## hostnameKepler-1748 NA  
## hostnameKepler-1749 NA  
## hostnameKepler-175 NA  
## hostnameKepler-1750 NA  
## hostnameKepler-1751 NA  
## hostnameKepler-1752 NA  
## hostnameKepler-1753 NA  
## hostnameKepler-1754 NA  
## hostnameKepler-1755 NA  
## hostnameKepler-1757 NA  
## hostnameKepler-1758 NA  
## hostnameKepler-1759 NA  
## hostnameKepler-176 NA  
## hostnameKepler-1761 NA  
## hostnameKepler-1762 NA  
## hostnameKepler-1763 NA  
## hostnameKepler-1764 NA  
## hostnameKepler-1765 NA  
## hostnameKepler-1766 NA  
## hostnameKepler-1767 NA  
## hostnameKepler-1768 NA  
## hostnameKepler-1769 NA  
## hostnameKepler-177 NA  
## hostnameKepler-1770 NA  
## hostnameKepler-1771 NA  
## hostnameKepler-1772 NA  
## hostnameKepler-1773 NA  
## hostnameKepler-1774 NA  
## hostnameKepler-1775 NA  
## hostnameKepler-1776 NA  
## hostnameKepler-1777 NA  
## hostnameKepler-1778 NA  
## hostnameKepler-1779 NA  
## hostnameKepler-178 NA  
## hostnameKepler-1780 NA  
## hostnameKepler-1781 NA  
## hostnameKepler-1782 NA  
## hostnameKepler-1783 NA  
## hostnameKepler-1784 NA  
## hostnameKepler-1785 NA  
## hostnameKepler-1786 NA  
## hostnameKepler-1787 NA  
## hostnameKepler-1788 NA  
## hostnameKepler-1789 NA  
## hostnameKepler-179 NA  
## hostnameKepler-1790 NA  
## hostnameKepler-1791 NA  
## hostnameKepler-1792 NA  
## hostnameKepler-1793 NA  
## hostnameKepler-1794 NA  
## hostnameKepler-1796 NA  
## hostnameKepler-1797 NA  
## hostnameKepler-1798 NA  
## hostnameKepler-1799 NA  
## hostnameKepler-18 NA  
## hostnameKepler-180 NA  
## hostnameKepler-1800 NA  
## hostnameKepler-1801 NA  
## hostnameKepler-1802 NA  
## hostnameKepler-1804 NA  
## hostnameKepler-1805 NA  
## hostnameKepler-1806 NA  
## hostnameKepler-1807 NA  
## hostnameKepler-1808 NA  
## hostnameKepler-1809 NA  
## hostnameKepler-181 NA  
## hostnameKepler-1810 NA  
## hostnameKepler-1811 NA  
## hostnameKepler-1812 NA  
## hostnameKepler-1814 NA  
## hostnameKepler-1815 NA  
## hostnameKepler-1816 NA  
## hostnameKepler-1817 NA  
## hostnameKepler-1818 NA  
## hostnameKepler-1819 NA  
## hostnameKepler-182 NA  
## hostnameKepler-1820 NA  
## hostnameKepler-1821 NA  
## hostnameKepler-1822 NA  
## hostnameKepler-1823 NA  
## hostnameKepler-1824 NA  
## hostnameKepler-1825 NA  
## hostnameKepler-1826 NA  
## hostnameKepler-1827 NA  
## hostnameKepler-1828 NA  
## hostnameKepler-1829 NA  
## hostnameKepler-183 NA  
## hostnameKepler-1830 NA  
## hostnameKepler-1831 NA  
## hostnameKepler-1832 NA  
## hostnameKepler-1833 NA  
## hostnameKepler-1834 NA  
## hostnameKepler-1835 NA  
## hostnameKepler-1836 NA  
## hostnameKepler-1837 NA  
## hostnameKepler-1838 NA  
## hostnameKepler-1839 NA  
## hostnameKepler-184 NA  
## hostnameKepler-1840 NA  
## hostnameKepler-1841 NA  
## hostnameKepler-1842 NA  
## hostnameKepler-1843 NA  
## hostnameKepler-1844 NA  
## hostnameKepler-1845 NA  
## hostnameKepler-1846 NA  
## hostnameKepler-1847 NA  
## hostnameKepler-1848 NA  
## hostnameKepler-1849 NA  
## hostnameKepler-185 NA  
## hostnameKepler-1850 NA  
## hostnameKepler-1851 NA  
## hostnameKepler-1852 NA  
## hostnameKepler-1853 NA  
## hostnameKepler-1854 NA  
## hostnameKepler-1856 NA  
## hostnameKepler-1857 NA  
## hostnameKepler-1858 NA  
## hostnameKepler-1859 NA  
## hostnameKepler-186 NA  
## hostnameKepler-1860 NA  
## hostnameKepler-1861 NA  
## hostnameKepler-1862 NA  
## hostnameKepler-1863 NA  
## hostnameKepler-1864 NA  
## hostnameKepler-1865 NA  
## hostnameKepler-1866 NA  
## hostnameKepler-1867 NA  
## hostnameKepler-1868 NA  
## hostnameKepler-1869 NA  
## hostnameKepler-187 NA  
## hostnameKepler-1870 NA  
## hostnameKepler-1871 NA  
## hostnameKepler-1872 NA  
## hostnameKepler-1873 NA  
## hostnameKepler-1874 NA  
## hostnameKepler-1875 NA  
## hostnameKepler-1876 NA  
## hostnameKepler-1877 NA  
## hostnameKepler-1878 NA  
## hostnameKepler-1879 NA  
## hostnameKepler-188 NA  
## hostnameKepler-1880 NA  
## hostnameKepler-1881 NA  
## hostnameKepler-1882 NA  
## hostnameKepler-1883 NA  
## hostnameKepler-1884 NA  
## hostnameKepler-1885 NA  
## hostnameKepler-1886 NA  
## hostnameKepler-1887 NA  
## hostnameKepler-1888 NA  
## hostnameKepler-1889 NA  
## hostnameKepler-189 NA  
## hostnameKepler-1890 NA  
## hostnameKepler-1891 NA  
## hostnameKepler-1892 NA  
## hostnameKepler-1893 NA  
## hostnameKepler-1894 NA  
## hostnameKepler-1895 NA  
## hostnameKepler-1896 NA  
## hostnameKepler-1897 NA  
## hostnameKepler-1898 NA  
## hostnameKepler-1899 NA  
## hostnameKepler-19 NA  
## hostnameKepler-190 NA  
## hostnameKepler-1900 NA  
## hostnameKepler-1901 NA  
## hostnameKepler-1902 NA  
## hostnameKepler-1903 NA  
## hostnameKepler-1904 NA  
## hostnameKepler-1905 NA  
## hostnameKepler-1906 NA  
## hostnameKepler-1907 NA  
## hostnameKepler-1909 NA  
## hostnameKepler-191 NA  
## hostnameKepler-1911 NA  
## hostnameKepler-1912 NA  
## hostnameKepler-1913 NA  
## hostnameKepler-1914 NA  
## hostnameKepler-1915 NA  
## hostnameKepler-1916 NA  
## hostnameKepler-1917 NA  
## hostnameKepler-1918 NA  
## hostnameKepler-1919 NA  
## hostnameKepler-192 NA  
## hostnameKepler-1920 NA  
## hostnameKepler-1921 NA  
## hostnameKepler-1922 NA  
## hostnameKepler-1923 NA  
## hostnameKepler-1924 NA  
## hostnameKepler-1925 NA  
## hostnameKepler-1926 NA  
## hostnameKepler-1927 NA  
## hostnameKepler-1928 NA  
## hostnameKepler-1929 NA  
## hostnameKepler-193 NA  
## hostnameKepler-1930 NA  
## hostnameKepler-1931 NA  
## hostnameKepler-1932 NA  
## hostnameKepler-1933 NA  
## hostnameKepler-1934 NA  
## hostnameKepler-1935 NA  
## hostnameKepler-1936 NA  
## hostnameKepler-1937 NA  
## hostnameKepler-1938 NA  
## hostnameKepler-1939 NA  
## hostnameKepler-194 NA  
## hostnameKepler-1940 NA  
## hostnameKepler-1941 NA  
## hostnameKepler-1942 NA  
## hostnameKepler-1943 NA  
## hostnameKepler-1944 NA  
## hostnameKepler-1946 NA  
## hostnameKepler-1947 NA  
## hostnameKepler-1948 NA  
## hostnameKepler-1949 NA  
## hostnameKepler-195 NA  
## hostnameKepler-1950 NA  
## hostnameKepler-1951 NA  
## hostnameKepler-1952 NA  
## hostnameKepler-1953 NA  
## hostnameKepler-1954 NA  
## hostnameKepler-1955 NA  
## hostnameKepler-1956 NA  
## hostnameKepler-1957 NA  
## hostnameKepler-1958 NA  
## hostnameKepler-1959 NA  
## hostnameKepler-196 NA  
## hostnameKepler-1960 NA  
## hostnameKepler-1961 NA  
## hostnameKepler-1962 NA  
## hostnameKepler-1963 NA  
## hostnameKepler-1965 NA  
## hostnameKepler-1966 NA  
## hostnameKepler-1967 NA  
## hostnameKepler-1968 NA  
## hostnameKepler-1969 NA  
## hostnameKepler-197 NA  
## hostnameKepler-1972 NA  
## hostnameKepler-1977 NA  
## hostnameKepler-1978 NA  
## hostnameKepler-1979 NA  
## hostnameKepler-198 NA  
## hostnameKepler-1980 NA  
## hostnameKepler-1981 NA  
## hostnameKepler-1982 NA  
## hostnameKepler-1983 NA  
## hostnameKepler-1986 NA  
## hostnameKepler-1987 NA  
## hostnameKepler-1988 NA  
## hostnameKepler-1989 NA  
## hostnameKepler-199 NA  
## hostnameKepler-1990 NA  
## hostnameKepler-1991 NA  
## hostnameKepler-1992 NA  
## hostnameKepler-1993 NA  
## hostnameKepler-1994 NA  
## hostnameKepler-1995 NA  
## hostnameKepler-1996 NA  
## hostnameKepler-1997 NA  
## hostnameKepler-1998 NA  
## hostnameKepler-1999 NA  
## hostnameKepler-20 NA  
## hostnameKepler-200 NA  
## hostnameKepler-2000 NA  
## hostnameKepler-2001 NA  
## hostnameKepler-201 NA  
## hostnameKepler-202 NA  
## hostnameKepler-203 NA  
## hostnameKepler-204 NA  
## hostnameKepler-205 NA  
## hostnameKepler-206 NA  
## hostnameKepler-207 NA  
## hostnameKepler-208 NA  
## hostnameKepler-209 NA  
## hostnameKepler-21 NA  
## hostnameKepler-210 NA  
## hostnameKepler-211 NA  
## hostnameKepler-212 NA  
## hostnameKepler-213 NA  
## hostnameKepler-214 NA  
## hostnameKepler-215 NA  
## hostnameKepler-216 NA  
## hostnameKepler-217 NA  
## hostnameKepler-218 NA  
## hostnameKepler-219 NA  
## hostnameKepler-22 NA  
## hostnameKepler-220 NA  
## hostnameKepler-221 NA  
## hostnameKepler-222 NA  
## hostnameKepler-223 NA  
## hostnameKepler-224 NA  
## hostnameKepler-225 NA  
## hostnameKepler-226 NA  
## hostnameKepler-227 NA  
## hostnameKepler-228 NA  
## hostnameKepler-229 NA  
## hostnameKepler-23 NA  
## hostnameKepler-230 NA  
## hostnameKepler-231 NA  
## hostnameKepler-232 NA  
## hostnameKepler-233 NA  
## hostnameKepler-234 NA  
## hostnameKepler-235 NA  
## hostnameKepler-236 NA  
## hostnameKepler-237 NA  
## hostnameKepler-238 NA  
## hostnameKepler-239 NA  
## hostnameKepler-24 NA  
## hostnameKepler-240 NA  
## hostnameKepler-241 NA  
## hostnameKepler-242 NA  
## hostnameKepler-243 NA  
## hostnameKepler-244 NA  
## hostnameKepler-245 NA  
## hostnameKepler-246 NA  
## hostnameKepler-247 NA  
## hostnameKepler-248 NA  
## hostnameKepler-249 NA  
## hostnameKepler-25 NA  
## hostnameKepler-250 NA  
## hostnameKepler-251 NA  
## hostnameKepler-252 NA  
## hostnameKepler-253 NA  
## hostnameKepler-254 NA  
## hostnameKepler-255 NA  
## hostnameKepler-256 NA  
## hostnameKepler-257 NA  
## hostnameKepler-258 NA  
## hostnameKepler-259 NA  
## hostnameKepler-26 NA  
## hostnameKepler-260 NA  
## hostnameKepler-261 NA  
## hostnameKepler-262 NA  
## hostnameKepler-263 NA  
## hostnameKepler-264 NA  
## hostnameKepler-265 NA  
## hostnameKepler-266 NA  
## hostnameKepler-267 NA  
## hostnameKepler-268 NA  
## hostnameKepler-269 NA  
## hostnameKepler-27 NA  
## hostnameKepler-270 NA  
## hostnameKepler-271 NA  
## hostnameKepler-272 NA  
## hostnameKepler-273 NA  
## hostnameKepler-274 NA  
## hostnameKepler-275 NA  
## hostnameKepler-276 NA  
## hostnameKepler-277 NA  
## hostnameKepler-278 NA  
## hostnameKepler-279 NA  
## hostnameKepler-280 NA  
## hostnameKepler-281 NA  
## hostnameKepler-282 NA  
## hostnameKepler-283 NA  
## hostnameKepler-284 NA  
## hostnameKepler-285 NA  
## hostnameKepler-286 NA  
## hostnameKepler-287 NA  
## hostnameKepler-288 NA  
## hostnameKepler-289 NA  
## hostnameKepler-29 NA  
## hostnameKepler-290 NA  
## hostnameKepler-291 NA  
## hostnameKepler-292 NA  
## hostnameKepler-293 NA  
## hostnameKepler-294 NA  
## hostnameKepler-295 NA  
## hostnameKepler-296 NA  
## hostnameKepler-297 NA  
## hostnameKepler-298 NA  
## hostnameKepler-299 NA  
## hostnameKepler-30 NA  
## hostnameKepler-300 NA  
## hostnameKepler-301 NA  
## hostnameKepler-302 NA  
## hostnameKepler-303 NA  
## hostnameKepler-304 NA  
## hostnameKepler-305 NA  
## hostnameKepler-306 NA  
## hostnameKepler-307 NA  
## hostnameKepler-308 NA  
## hostnameKepler-309 NA  
## hostnameKepler-31 NA  
## hostnameKepler-310 NA  
## hostnameKepler-311 NA  
## hostnameKepler-312 NA  
## hostnameKepler-313 NA  
## hostnameKepler-314 NA  
## hostnameKepler-315 NA  
## hostnameKepler-316 NA  
## hostnameKepler-317 NA  
## hostnameKepler-318 NA  
## hostnameKepler-319 NA  
## hostnameKepler-32 NA  
## hostnameKepler-320 NA  
## hostnameKepler-321 NA  
## hostnameKepler-322 NA  
## hostnameKepler-323 NA  
## hostnameKepler-324 NA  
## hostnameKepler-325 NA  
## hostnameKepler-326 NA  
## hostnameKepler-327 NA  
## hostnameKepler-328 NA  
## hostnameKepler-329 NA  
## hostnameKepler-33 NA  
## hostnameKepler-330 NA  
## hostnameKepler-331 NA  
## hostnameKepler-332 NA  
## hostnameKepler-333 NA  
## hostnameKepler-334 NA  
## hostnameKepler-335 NA  
## hostnameKepler-336 NA  
## hostnameKepler-337 NA  
## hostnameKepler-338 NA  
## hostnameKepler-339 NA  
## hostnameKepler-34 NA  
## hostnameKepler-340 NA  
## hostnameKepler-341 NA  
## hostnameKepler-342 NA  
## hostnameKepler-343 NA  
## hostnameKepler-344 NA  
## hostnameKepler-345 NA  
## hostnameKepler-346 NA  
## hostnameKepler-347 NA  
## hostnameKepler-348 NA  
## hostnameKepler-349 NA  
## hostnameKepler-35 NA  
## hostnameKepler-350 NA  
## hostnameKepler-351 NA  
## hostnameKepler-352 NA  
## hostnameKepler-353 NA  
## hostnameKepler-354 NA  
## hostnameKepler-355 NA  
## hostnameKepler-356 NA  
## hostnameKepler-357 NA  
## hostnameKepler-358 NA  
## hostnameKepler-359 NA  
## hostnameKepler-36 NA  
## hostnameKepler-360 NA  
## hostnameKepler-361 NA  
## hostnameKepler-362 NA  
## hostnameKepler-363 NA  
## hostnameKepler-364 NA  
## hostnameKepler-366 NA  
## hostnameKepler-367 NA  
## hostnameKepler-368 NA  
## hostnameKepler-369 NA  
## hostnameKepler-37 NA  
## hostnameKepler-370 NA  
## hostnameKepler-371 NA  
## hostnameKepler-372 NA  
## hostnameKepler-373 NA  
## hostnameKepler-374 NA  
## hostnameKepler-375 NA  
## hostnameKepler-376 NA  
## hostnameKepler-377 NA  
## hostnameKepler-378 NA  
## hostnameKepler-379 NA  
## hostnameKepler-380 NA  
## hostnameKepler-381 NA  
## hostnameKepler-382 NA  
## hostnameKepler-383 NA  
## hostnameKepler-384 NA  
## hostnameKepler-385 NA  
## hostnameKepler-386 NA  
## hostnameKepler-387 NA  
## hostnameKepler-388 NA  
## hostnameKepler-389 NA  
## hostnameKepler-39 NA  
## hostnameKepler-390 NA  
## hostnameKepler-391 NA  
## hostnameKepler-392 NA  
## hostnameKepler-393 NA  
## hostnameKepler-394 NA  
## hostnameKepler-395 NA  
## hostnameKepler-396 NA  
## hostnameKepler-398 NA  
## hostnameKepler-399 NA  
## hostnameKepler-4 NA  
## hostnameKepler-40 NA  
## hostnameKepler-400 NA  
## hostnameKepler-401 NA  
## hostnameKepler-402 NA  
## hostnameKepler-403 NA  
## hostnameKepler-404 NA  
## hostnameKepler-405 NA  
## hostnameKepler-406 NA  
## hostnameKepler-409 NA  
## hostnameKepler-41 NA  
## hostnameKepler-410 A NA  
## hostnameKepler-411 NA  
## hostnameKepler-412 NA  
## hostnameKepler-413 NA  
## hostnameKepler-414 NA  
## hostnameKepler-415 NA  
## hostnameKepler-416 NA  
## hostnameKepler-417 NA  
## hostnameKepler-418 NA  
## hostnameKepler-419 NA  
## hostnameKepler-42 NA  
## hostnameKepler-421 NA  
## hostnameKepler-422 NA  
## hostnameKepler-423 NA  
## hostnameKepler-424 NA  
## hostnameKepler-425 NA  
## hostnameKepler-426 NA  
## hostnameKepler-427 NA  
## hostnameKepler-428 NA  
## hostnameKepler-43 NA  
## hostnameKepler-430 NA  
## hostnameKepler-431 NA  
## hostnameKepler-432 NA  
## hostnameKepler-433 NA  
## hostnameKepler-434 NA  
## hostnameKepler-435 NA  
## hostnameKepler-436 NA  
## hostnameKepler-437 NA  
## hostnameKepler-438 NA  
## hostnameKepler-439 NA  
## hostnameKepler-44 NA  
## hostnameKepler-440 NA  
## hostnameKepler-441 NA  
## hostnameKepler-442 NA  
## hostnameKepler-443 NA  
## hostnameKepler-444 NA  
## hostnameKepler-445 NA  
## hostnameKepler-446 NA  
## hostnameKepler-447 NA  
## hostnameKepler-449 NA  
## hostnameKepler-45 NA  
## hostnameKepler-450 NA  
## hostnameKepler-452 NA  
## hostnameKepler-454 NA  
## hostnameKepler-46 NA  
## hostnameKepler-461 NA  
## hostnameKepler-462 NA  
## hostnameKepler-463 NA  
## hostnameKepler-464 NA  
## hostnameKepler-465 NA  
## hostnameKepler-466 NA  
## hostnameKepler-467 NA  
## hostnameKepler-47 NA  
## hostnameKepler-470 NA  
## hostnameKepler-471 NA  
## hostnameKepler-472 NA  
## hostnameKepler-473 NA  
## hostnameKepler-474 NA  
## hostnameKepler-475 NA  
## hostnameKepler-476 NA  
## hostnameKepler-478 NA  
## hostnameKepler-479 NA  
## hostnameKepler-48 NA  
## hostnameKepler-480 NA  
## hostnameKepler-481 NA  
## hostnameKepler-482 NA  
## hostnameKepler-483 NA  
## hostnameKepler-484 NA  
## hostnameKepler-485 NA  
## hostnameKepler-487 NA  
## hostnameKepler-488 NA  
## hostnameKepler-489 NA  
## hostnameKepler-49 NA  
## hostnameKepler-491 NA  
## hostnameKepler-493 NA  
## hostnameKepler-494 NA  
## hostnameKepler-495 NA  
## hostnameKepler-496 NA  
## hostnameKepler-497 NA  
## hostnameKepler-498 NA  
## hostnameKepler-499 NA  
## hostnameKepler-5 NA  
## hostnameKepler-500 NA  
## hostnameKepler-501 NA  
## hostnameKepler-502 NA  
## hostnameKepler-504 NA  
## hostnameKepler-505 NA  
## hostnameKepler-506 NA  
## hostnameKepler-507 NA  
## hostnameKepler-508 NA  
## hostnameKepler-509 NA  
## hostnameKepler-51 NA  
## hostnameKepler-510 NA  
## hostnameKepler-511 NA  
## hostnameKepler-512 NA  
## hostnameKepler-513 NA  
## hostnameKepler-514 NA  
## hostnameKepler-516 NA  
## hostnameKepler-517 NA  
## hostnameKepler-518 NA  
## hostnameKepler-519 NA  
## hostnameKepler-52 NA  
## hostnameKepler-520 NA  
## hostnameKepler-521 NA  
## hostnameKepler-522 NA  
## hostnameKepler-523 NA  
## hostnameKepler-524 NA  
## hostnameKepler-525 NA  
## hostnameKepler-526 NA  
## hostnameKepler-527 NA  
## hostnameKepler-528 NA  
## hostnameKepler-529 NA  
## hostnameKepler-53 NA  
## hostnameKepler-530 NA  
## hostnameKepler-531 NA  
## hostnameKepler-532 NA  
## hostnameKepler-533 NA  
## hostnameKepler-534 NA  
## hostnameKepler-535 NA  
## hostnameKepler-536 NA  
## hostnameKepler-537 NA  
## hostnameKepler-538 NA  
## hostnameKepler-539 NA  
## hostnameKepler-54 NA  
## hostnameKepler-540 NA  
## hostnameKepler-541 NA  
## hostnameKepler-542 NA  
## hostnameKepler-543 NA  
## hostnameKepler-544 NA  
## hostnameKepler-545 NA  
## hostnameKepler-546 NA  
## hostnameKepler-547 NA  
## hostnameKepler-549 NA  
## hostnameKepler-55 NA  
## hostnameKepler-550 NA  
## hostnameKepler-551 NA  
## hostnameKepler-552 NA  
## hostnameKepler-553 NA  
## hostnameKepler-554 NA  
## hostnameKepler-555 NA  
## hostnameKepler-556 NA  
## hostnameKepler-557 NA  
## hostnameKepler-558 NA  
## hostnameKepler-559 NA  
## hostnameKepler-56 NA  
## hostnameKepler-560 NA  
## hostnameKepler-561 NA  
## hostnameKepler-562 NA  
## hostnameKepler-563 NA  
## hostnameKepler-564 NA  
## hostnameKepler-566 NA  
## hostnameKepler-567 NA  
## hostnameKepler-568 NA  
## hostnameKepler-569 NA  
## hostnameKepler-570 NA  
## hostnameKepler-571 NA  
## hostnameKepler-572 NA  
## hostnameKepler-573 NA  
## hostnameKepler-574 NA  
## hostnameKepler-575 NA  
## hostnameKepler-576 NA  
## hostnameKepler-577 NA  
## hostnameKepler-578 NA  
## hostnameKepler-579 NA  
## hostnameKepler-58 NA  
## hostnameKepler-580 NA  
## hostnameKepler-581 NA  
## hostnameKepler-582 NA  
## hostnameKepler-583 NA  
## hostnameKepler-584 NA  
## hostnameKepler-585 NA  
## hostnameKepler-586 NA  
## hostnameKepler-587 NA  
## hostnameKepler-588 NA  
## hostnameKepler-589 NA  
## hostnameKepler-59 NA  
## hostnameKepler-590 NA  
## hostnameKepler-591 NA  
## hostnameKepler-592 NA  
## hostnameKepler-593 NA  
## hostnameKepler-594 NA  
## hostnameKepler-595 NA  
## hostnameKepler-596 NA  
## hostnameKepler-597 NA  
## hostnameKepler-598 NA  
## hostnameKepler-599 NA  
## hostnameKepler-6 NA  
## hostnameKepler-60 NA  
## hostnameKepler-600 NA  
## hostnameKepler-601 NA  
## hostnameKepler-602 NA  
## hostnameKepler-603 NA  
## hostnameKepler-604 NA  
## hostnameKepler-605 NA  
## hostnameKepler-606 NA  
## hostnameKepler-607 NA  
## hostnameKepler-608 NA  
## hostnameKepler-609 NA  
## hostnameKepler-61 NA  
## hostnameKepler-610 NA  
## hostnameKepler-611 NA  
## hostnameKepler-612 NA  
## hostnameKepler-613 NA  
## hostnameKepler-614 NA  
## hostnameKepler-615 NA  
## hostnameKepler-616 NA  
## hostnameKepler-617 NA  
## hostnameKepler-618 NA  
## hostnameKepler-619 NA  
## hostnameKepler-620 NA  
## hostnameKepler-621 NA  
## hostnameKepler-622 NA  
## hostnameKepler-623 NA  
## hostnameKepler-624 NA  
## hostnameKepler-625 NA  
## hostnameKepler-626 NA  
## hostnameKepler-627 NA  
## hostnameKepler-628 NA  
## hostnameKepler-629 NA  
## hostnameKepler-63 NA  
## hostnameKepler-630 NA  
## hostnameKepler-631 NA  
## hostnameKepler-634 NA  
## hostnameKepler-635 NA  
## hostnameKepler-637 NA  
## hostnameKepler-638 NA  
## hostnameKepler-639 NA  
## hostnameKepler-640 NA  
## hostnameKepler-641 NA  
## hostnameKepler-642 NA  
## hostnameKepler-643 NA  
## hostnameKepler-644 NA  
## hostnameKepler-645 NA  
## hostnameKepler-646 NA  
## hostnameKepler-647 NA  
## hostnameKepler-648 NA  
## hostnameKepler-649 NA  
## hostnameKepler-65 NA  
## hostnameKepler-650 NA  
## hostnameKepler-651 NA  
## hostnameKepler-652 NA  
## hostnameKepler-653 NA  
## hostnameKepler-654 NA  
## hostnameKepler-655 NA  
## hostnameKepler-656 NA  
## hostnameKepler-657 NA  
## hostnameKepler-658 NA  
## hostnameKepler-659 NA  
## hostnameKepler-66 NA  
## hostnameKepler-660 NA  
## hostnameKepler-661 NA  
## hostnameKepler-662 NA  
## hostnameKepler-663 NA  
## hostnameKepler-664 NA  
## hostnameKepler-665 NA  
## hostnameKepler-666 NA  
## hostnameKepler-667 NA  
## hostnameKepler-668 NA  
## hostnameKepler-669 NA  
## hostnameKepler-67 NA  
## hostnameKepler-671 NA  
## hostnameKepler-672 NA  
## hostnameKepler-673 NA  
## hostnameKepler-674 NA  
## hostnameKepler-675 NA  
## hostnameKepler-676 NA  
## hostnameKepler-677 NA  
## hostnameKepler-678 NA  
## hostnameKepler-679 NA  
## hostnameKepler-68 NA  
## hostnameKepler-680 NA  
## hostnameKepler-681 NA  
## hostnameKepler-682 NA  
## hostnameKepler-683 NA  
## hostnameKepler-684 NA  
## hostnameKepler-685 NA  
## hostnameKepler-687 NA  
## hostnameKepler-688 NA  
## hostnameKepler-689 NA  
## hostnameKepler-69 NA  
## hostnameKepler-690 NA  
## hostnameKepler-691 NA  
## hostnameKepler-692 NA  
## hostnameKepler-693 NA  
## hostnameKepler-694 NA  
## hostnameKepler-695 NA  
## hostnameKepler-696 NA  
## hostnameKepler-697 NA  
## hostnameKepler-698 NA  
## hostnameKepler-7 NA  
## hostnameKepler-700 NA  
## hostnameKepler-701 NA  
## hostnameKepler-702 NA  
## hostnameKepler-703 NA  
## hostnameKepler-704 NA  
## hostnameKepler-705 NA  
## hostnameKepler-707 NA  
## hostnameKepler-708 NA  
## hostnameKepler-709 NA  
## hostnameKepler-710 NA  
## hostnameKepler-711 NA  
## hostnameKepler-712 NA  
## hostnameKepler-713 NA  
## hostnameKepler-714 NA  
## hostnameKepler-715 NA  
## hostnameKepler-716 NA  
## hostnameKepler-717 NA  
## hostnameKepler-718 NA  
## hostnameKepler-719 NA  
## hostnameKepler-720 NA  
## hostnameKepler-721 NA  
## hostnameKepler-722 NA  
## hostnameKepler-724 NA  
## hostnameKepler-725 NA  
## hostnameKepler-726 NA  
## hostnameKepler-727 NA  
## hostnameKepler-728 NA  
## hostnameKepler-729 NA  
## hostnameKepler-730 NA  
## hostnameKepler-732 NA  
## hostnameKepler-733 NA  
## hostnameKepler-734 NA  
## hostnameKepler-735 NA  
## hostnameKepler-736 NA  
## hostnameKepler-737 NA  
## hostnameKepler-738 NA  
## hostnameKepler-739 NA  
## hostnameKepler-74 NA  
## hostnameKepler-740 NA  
## hostnameKepler-741 NA  
## hostnameKepler-742 NA  
## hostnameKepler-743 NA  
## hostnameKepler-744 NA  
## hostnameKepler-745 NA  
## hostnameKepler-746 NA  
## hostnameKepler-747 NA  
## hostnameKepler-748 NA  
## hostnameKepler-749 NA  
## hostnameKepler-75 NA  
## hostnameKepler-750 NA  
## hostnameKepler-751 NA  
## hostnameKepler-752 NA  
## hostnameKepler-753 NA  
## hostnameKepler-754 NA  
## hostnameKepler-755 NA  
## hostnameKepler-756 NA  
## hostnameKepler-757 NA  
## hostnameKepler-758 NA  
## hostnameKepler-759 NA  
## hostnameKepler-76 NA  
## hostnameKepler-760 NA  
## hostnameKepler-761 NA  
## hostnameKepler-763 NA  
## hostnameKepler-764 NA  
## hostnameKepler-765 NA  
## hostnameKepler-766 NA  
## hostnameKepler-767 NA  
## hostnameKepler-768 NA  
## hostnameKepler-769 NA  
## hostnameKepler-77 NA  
## hostnameKepler-770 NA  
## hostnameKepler-771 NA  
## hostnameKepler-772 NA  
## hostnameKepler-773 NA  
## hostnameKepler-774 NA  
## hostnameKepler-775 NA  
## hostnameKepler-776 NA  
## hostnameKepler-777 NA  
## hostnameKepler-778 NA  
## hostnameKepler-779 NA  
## hostnameKepler-78 NA  
## hostnameKepler-780 NA  
## hostnameKepler-781 NA  
## hostnameKepler-782 NA  
## hostnameKepler-783 NA  
## hostnameKepler-784 NA  
## hostnameKepler-786 NA  
## hostnameKepler-787 NA  
## hostnameKepler-788 NA  
## hostnameKepler-789 NA  
## hostnameKepler-79 NA  
## hostnameKepler-790 NA  
## hostnameKepler-791 NA  
## hostnameKepler-792 NA  
## hostnameKepler-793 NA  
## hostnameKepler-794 NA  
## hostnameKepler-795 NA  
## hostnameKepler-796 NA  
## hostnameKepler-797 NA  
## hostnameKepler-798 NA  
## hostnameKepler-8 NA  
## hostnameKepler-80 NA  
## hostnameKepler-800 NA  
## hostnameKepler-801 NA  
## hostnameKepler-802 NA  
## hostnameKepler-803 NA  
## hostnameKepler-804 NA  
## hostnameKepler-805 NA  
## hostnameKepler-806 NA  
## hostnameKepler-807 NA  
## hostnameKepler-808 NA  
## hostnameKepler-809 NA  
## hostnameKepler-81 NA  
## hostnameKepler-810 NA  
## hostnameKepler-811 NA  
## hostnameKepler-812 NA  
## hostnameKepler-813 NA  
## hostnameKepler-814 NA  
## hostnameKepler-815 NA  
## hostnameKepler-816 NA  
## hostnameKepler-817 NA  
## hostnameKepler-818 NA  
## hostnameKepler-819 NA  
## hostnameKepler-82 NA  
## hostnameKepler-820 NA  
## hostnameKepler-821 NA  
## hostnameKepler-822 NA  
## hostnameKepler-823 NA  
## hostnameKepler-824 NA  
## hostnameKepler-825 NA  
## hostnameKepler-826 NA  
## hostnameKepler-827 NA  
## hostnameKepler-828 NA  
## hostnameKepler-829 NA  
## hostnameKepler-83 NA  
## hostnameKepler-830 NA  
## hostnameKepler-831 NA  
## hostnameKepler-832 NA  
## hostnameKepler-833 NA  
## hostnameKepler-834 NA  
## hostnameKepler-835 NA  
## hostnameKepler-836 NA  
## hostnameKepler-837 NA  
## hostnameKepler-838 NA  
## hostnameKepler-839 NA  
## hostnameKepler-84 NA  
## hostnameKepler-841 NA  
## hostnameKepler-842 NA  
## hostnameKepler-843 NA  
## hostnameKepler-844 NA  
## hostnameKepler-845 NA  
## hostnameKepler-846 NA  
## hostnameKepler-847 NA  
## hostnameKepler-848 NA  
## hostnameKepler-849 NA  
## hostnameKepler-85 NA  
## hostnameKepler-850 NA  
## hostnameKepler-851 NA  
## hostnameKepler-852 NA  
## hostnameKepler-853 NA  
## hostnameKepler-855 NA  
## hostnameKepler-856 NA  
## hostnameKepler-857 NA  
## hostnameKepler-858 NA  
## hostnameKepler-859 NA  
## hostnameKepler-860 NA  
## hostnameKepler-861 NA  
## hostnameKepler-862 NA  
## hostnameKepler-863 NA  
## hostnameKepler-864 NA  
## hostnameKepler-865 NA  
## hostnameKepler-866 NA  
## hostnameKepler-867 NA  
## hostnameKepler-868 NA  
## hostnameKepler-869 NA  
## hostnameKepler-87 NA  
## hostnameKepler-870 NA  
## hostnameKepler-871 NA  
## hostnameKepler-872 NA  
## hostnameKepler-873 NA  
## hostnameKepler-874 NA  
## hostnameKepler-875 NA  
## hostnameKepler-876 NA  
## hostnameKepler-877 NA  
## hostnameKepler-878 NA  
## hostnameKepler-879 NA  
## hostnameKepler-880 NA  
## hostnameKepler-881 NA  
## hostnameKepler-882 NA  
## hostnameKepler-883 NA  
## hostnameKepler-884 NA  
## hostnameKepler-885 NA  
## hostnameKepler-886 NA  
## hostnameKepler-887 NA  
## hostnameKepler-888 NA  
## hostnameKepler-889 NA  
## hostnameKepler-890 NA  
## hostnameKepler-891 NA  
## hostnameKepler-892 NA  
## hostnameKepler-893 NA  
## hostnameKepler-894 NA  
## hostnameKepler-895 NA  
## hostnameKepler-896 NA  
## hostnameKepler-897 NA  
## hostnameKepler-898 NA  
## hostnameKepler-899 NA  
## hostnameKepler-9 NA  
## hostnameKepler-900 NA  
## hostnameKepler-901 NA  
## hostnameKepler-902 NA  
## hostnameKepler-903 NA  
## hostnameKepler-904 NA  
## hostnameKepler-905 NA  
## hostnameKepler-906 NA  
## hostnameKepler-907 NA  
## hostnameKepler-908 NA  
## hostnameKepler-909 NA  
## hostnameKepler-91 NA  
## hostnameKepler-910 NA  
## hostnameKepler-911 NA  
## hostnameKepler-912 NA  
## hostnameKepler-913 NA  
## hostnameKepler-914 NA  
## hostnameKepler-915 NA  
## hostnameKepler-916 NA  
## hostnameKepler-917 NA  
## hostnameKepler-918 NA  
## hostnameKepler-919 NA  
## hostnameKepler-92 NA  
## hostnameKepler-920 NA  
## hostnameKepler-921 NA  
## hostnameKepler-922 NA  
## hostnameKepler-923 NA  
## hostnameKepler-924 NA  
## hostnameKepler-925 NA  
## hostnameKepler-926 NA  
## hostnameKepler-927 NA  
## hostnameKepler-928 NA  
## hostnameKepler-929 NA  
## hostnameKepler-93 NA  
## hostnameKepler-930 NA  
## hostnameKepler-931 NA  
## hostnameKepler-932 NA  
## hostnameKepler-933 NA  
## hostnameKepler-934 NA  
## hostnameKepler-935 NA  
## hostnameKepler-936 NA  
## hostnameKepler-937 NA  
## hostnameKepler-939 NA  
## hostnameKepler-94 NA  
## hostnameKepler-940 NA  
## hostnameKepler-941 NA  
## hostnameKepler-942 NA  
## hostnameKepler-943 NA  
## hostnameKepler-944 NA  
## hostnameKepler-945 NA  
## hostnameKepler-946 NA  
## hostnameKepler-947 NA  
## hostnameKepler-948 NA  
## hostnameKepler-949 NA  
## hostnameKepler-95 NA  
## hostnameKepler-950 NA  
## hostnameKepler-951 NA  
## hostnameKepler-952 NA  
## hostnameKepler-953 NA  
## hostnameKepler-954 NA  
## hostnameKepler-955 NA  
## hostnameKepler-956 NA  
## hostnameKepler-957 NA  
## hostnameKepler-958 NA  
## hostnameKepler-959 NA  
## hostnameKepler-96 NA  
## hostnameKepler-960 NA  
## hostnameKepler-961 NA  
## hostnameKepler-962 NA  
## hostnameKepler-963 NA  
## hostnameKepler-964 NA  
## hostnameKepler-965 NA  
## hostnameKepler-966 NA  
## hostnameKepler-967 NA  
## hostnameKepler-968 NA  
## hostnameKepler-969 NA  
## hostnameKepler-97 NA  
## hostnameKepler-970 NA  
## hostnameKepler-971 NA  
## hostnameKepler-972 NA  
## hostnameKepler-973 NA  
## hostnameKepler-974 NA  
## hostnameKepler-975 NA  
## hostnameKepler-976 NA  
## hostnameKepler-977 NA  
## hostnameKepler-978 NA  
## hostnameKepler-979 NA  
## hostnameKepler-98 NA  
## hostnameKepler-980 NA  
## hostnameKepler-981 NA  
## hostnameKepler-982 NA  
## hostnameKepler-983 NA  
## hostnameKepler-984 NA  
## hostnameKepler-985 NA  
## hostnameKepler-986 NA  
## hostnameKepler-987 NA  
## hostnameKepler-988 NA  
## hostnameKepler-989 NA  
## hostnameKepler-99 NA  
## hostnameKepler-990 NA  
## hostnameKepler-991 NA  
## hostnameKepler-992 NA  
## hostnameKepler-993 NA  
## hostnameKepler-994 NA  
## hostnameKepler-995 NA  
## hostnameKepler-996 NA  
## hostnameKepler-997 NA  
## hostnameKepler-998 NA  
## hostnameKepler-999 NA  
## hostnameKIC 3526061 NA  
## hostnameKIC 5095269 NA  
## hostnameKIC 5437945 NA  
## hostnameKIC 9663113 NA  
## hostnameKOI-12 NA  
## hostnameKOI-1257 NA  
## hostnameKOI-13 NA  
## hostnameKOI-142 NA  
## hostnameKOI-1599 NA  
## hostnameKOI-1783 NA  
## hostnameKOI-3503 NA  
## hostnameKOI-351 NA  
## hostnameKOI-3680 NA  
## hostnameKOI-7368 NA  
## hostnameKOI-7892 NA  
## hostnameKOI-7913 A NA  
## hostnameKOI-94 NA  
## hostnameKPS-1 NA  
## hostnameL 168-9 NA  
## hostnameL 98-59 NA  
## hostnameLHS 1140 NA  
## hostnameLHS 1678 NA  
## hostnameLHS 1815 NA  
## hostnameLP 714-47 NA  
## hostnameLP 791-18 NA  
## hostnameLSPM J2116+0234 NA  
## hostnameLTT 1445 A NA  
## hostnameLTT 3780 NA  
## hostnameLTT 9779 NA  
## hostnameLupus-TR-3 NA  
## hostnameMASCARA-1 NA  
## hostnameMASCARA-4 NA  
## hostnamemu Leo NA  
## hostnameNGC 2682 Sand 364 NA  
## hostnameNGTS-1 NA  
## hostnameNGTS-10 NA  
## hostnameNGTS-11 NA  
## hostnameNGTS-12 NA  
## hostnameNGTS-13 NA  
## hostnameNGTS-14 A NA  
## hostnameNGTS-15 NA  
## hostnameNGTS-16 NA  
## hostnameNGTS-17 NA  
## hostnameNGTS-18 NA  
## hostnameNGTS-2 NA  
## hostnameNGTS-20 NA  
## hostnameNGTS-21 NA  
## hostnameNGTS-23 NA  
## hostnameNGTS-24 NA  
## hostnameNGTS-25 NA  
## hostnameNGTS-4 NA  
## hostnameNGTS-5 NA  
## hostnameNGTS-6 NA  
## hostnameNGTS-8 NA  
## hostnameNGTS-9 NA  
## hostnameNSVS 14256825 NA  
## hostnamenu Oct A NA  
## hostnamenu Oph NA  
## hostnameNY Vir NA  
## hostnameOGLE-TR-10 NA  
## hostnameOGLE-TR-111 NA  
## hostnameOGLE-TR-132 NA  
## hostnameOGLE-TR-182 NA  
## hostnameOGLE-TR-211 NA  
## hostnameome Ser NA  
## hostnameomi CrB NA  
## hostnamePDS 70 NA  
## hostnamePr0201 NA  
## hostnamePr0211 NA  
## hostnameProxima Cen NA  
## hostnamepsi1 Dra B NA  
## hostnamePZ Tel NA  
## hostnameQatar-1 NA  
## hostnameQatar-10 NA  
## hostnameQatar-2 NA  
## hostnameQatar-3 NA  
## hostnameQatar-4 NA  
## hostnameQatar-5 NA  
## hostnameQatar-6 NA  
## hostnameQatar-7 NA  
## hostnameQatar-8 NA  
## hostnameQatar-9 NA  
## hostnamerho CrB NA  
## hostnameRoss 128 NA  
## hostnameRoss 508 NA  
## hostnameRR Cae NA  
## hostnametau Boo NA  
## hostnametau Cet NA  
## hostnametau Gem NA  
## hostnameTeegarden's Star NA  
## hostnameTIC 172900988 Aa NA  
## hostnameTIC 237913194 NA  
## hostnameTIC 257060897 NA  
## hostnameTIC 279401253 NA  
## hostnameTOI-1052 NA  
## hostnameTOI-1062 NA  
## hostnameTOI-1064 NA  
## hostnameTOI-1075 NA  
## hostnameTOI-1107 NA  
## hostnameTOI-1130 NA  
## hostnameTOI-1201 NA  
## hostnameTOI-122 NA  
## hostnameTOI-1231 NA  
## hostnameTOI-1235 NA  
## hostnameTOI-125 NA  
## hostnameTOI-1259 A NA  
## hostnameTOI-1260 NA  
## hostnameTOI-1266 NA  
## hostnameTOI-1268 NA  
## hostnameTOI-1272 NA  
## hostnameTOI-1278 NA  
## hostnameTOI-1288 NA  
## hostnameTOI-1296 NA  
## hostnameTOI-1298 NA  
## hostnameTOI-132 NA  
## hostnameTOI-1333 NA  
## hostnameTOI-1338 A NA  
## hostnameTOI-1416 NA  
## hostnameTOI-1422 NA  
## hostnameTOI-1431 NA  
## hostnameTOI-1452 NA  
## hostnameTOI-1470 NA  
## hostnameTOI-1478 NA  
## hostnameTOI-150 NA  
## hostnameTOI-157 NA  
## hostnameTOI-1601 NA  
## hostnameTOI-163 NA  
## hostnameTOI-1634 NA  
## hostnameTOI-1670 NA  
## hostnameTOI-1685 NA  
## hostnameTOI-169 NA  
## hostnameTOI-1695 NA  
## hostnameTOI-1696 NA  
## hostnameTOI-1710 NA  
## hostnameTOI-172 NA  
## hostnameTOI-1728 NA  
## hostnameTOI-1759 NA  
## hostnameTOI-1807 NA  
## hostnameTOI-181 NA  
## hostnameTOI-1811 NA  
## hostnameTOI-1820 NA  
## hostnameTOI-1859 NA  
## hostnameTOI-1899 NA  
## hostnameTOI-1937 A NA  
## hostnameTOI-2000 NA  
## hostnameTOI-201 NA  
## hostnameTOI-2025 NA  
## hostnameTOI-2096 NA  
## hostnameTOI-2136 NA  
## hostnameTOI-2145 NA  
## hostnameTOI-2152 NA  
## hostnameTOI-2154 NA  
## hostnameTOI-2158 NA  
## hostnameTOI-216 NA  
## hostnameTOI-2180 NA  
## hostnameTOI-2193 A NA  
## hostnameTOI-2196 NA  
## hostnameTOI-220 NA  
## hostnameTOI-2202 NA  
## hostnameTOI-2207 NA  
## hostnameTOI-2236 NA  
## hostnameTOI-2257 NA  
## hostnameTOI-2338 NA  
## hostnameTOI-2364 NA  
## hostnameTOI-237 NA  
## hostnameTOI-2421 NA  
## hostnameTOI-2497 NA  
## hostnameTOI-2498 NA  
## hostnameTOI-2525 NA  
## hostnameTOI-2567 NA  
## hostnameTOI-257 NA  
## hostnameTOI-2570 NA  
## hostnameTOI-2583 A NA  
## hostnameTOI-2587 A NA  
## hostnameTOI-2589 NA  
## hostnameTOI-2641 NA  
## hostnameTOI-269 NA  
## hostnameTOI-270 NA  
## hostnameTOI-2796 NA  
## hostnameTOI-2803 A NA  
## hostnameTOI-2818 NA  
## hostnameTOI-2842 NA  
## hostnameTOI-3023 NA  
## hostnameTOI-3235 NA  
## hostnameTOI-332 NA  
## hostnameTOI-3331 A NA  
## hostnameTOI-3362 NA  
## hostnameTOI-3364 NA  
## hostnameTOI-3629 NA  
## hostnameTOI-3688 A NA  
## hostnameTOI-3693 NA  
## hostnameTOI-3714 NA  
## hostnameTOI-3757 NA  
## hostnameTOI-3785 NA  
## hostnameTOI-3807 NA  
## hostnameTOI-3819 NA  
## hostnameTOI-3884 NA  
## hostnameTOI-3912 NA  
## hostnameTOI-3976 A NA  
## hostnameTOI-3984 A NA  
## hostnameTOI-4010 NA  
## hostnameTOI-4087 NA  
## hostnameTOI-4127 NA  
## hostnameTOI-4137 NA  
## hostnameTOI-4145 A NA  
## hostnameTOI-421 NA  
## hostnameTOI-431 NA  
## hostnameTOI-4406 NA  
## hostnameTOI-4463 A NA  
## hostnameTOI-451 NA  
## hostnameTOI-4562 NA  
## hostnameTOI-4603 NA  
## hostnameTOI-4791 NA  
## hostnameTOI-481 NA  
## hostnameTOI-4860 NA  
## hostnameTOI-500 NA  
## hostnameTOI-5153 NA  
## hostnameTOI-519 NA  
## hostnameTOI-5205 NA  
## hostnameTOI-5293 A NA  
## hostnameTOI-530 NA  
## hostnameTOI-532 NA  
## hostnameTOI-540 NA  
## hostnameTOI-5542 NA  
## hostnameTOI-558 NA  
## hostnameTOI-559 NA  
## hostnameTOI-561 NA  
## hostnameTOI-564 NA  
## hostnameTOI-5678 NA  
## hostnameTOI-615 NA  
## hostnameTOI-620 NA  
## hostnameTOI-622 NA  
## hostnameTOI-628 NA  
## hostnameTOI-640 NA  
## hostnameTOI-674 NA  
## hostnameTOI-677 NA  
## hostnameTOI-700 NA  
## hostnameTOI-712 NA  
## hostnameTOI-733 NA  
## hostnameTOI-763 NA  
## hostnameTOI-776 NA  
## hostnameTOI-778 NA  
## hostnameTOI-813 NA  
## hostnameTOI-836 NA  
## hostnameTOI-849 NA  
## hostnameTOI-892 NA  
## hostnameTOI-905 NA  
## hostnameTOI-908 NA  
## hostnameTOI-954 NA  
## hostnameTOI-969 NA  
## hostnameTRAPPIST-1 NA  
## hostnameTrES-1 NA  
## hostnameTrES-2 NA  
## hostnameTrES-3 NA  
## hostnameTrES-4 NA  
## hostnameTrES-5 NA  
## hostnameTYC 0434-04538-1 NA  
## hostnameTYC 1422-614-1 NA  
## hostnameTYC 2187-512-1 NA  
## hostnameTYC 3318-01333-1 NA  
## hostnameTYC 3667-1280-1 NA  
## hostnameTYC 4282-00605-1 NA  
## hostnameups And NA  
## hostnameups Leo NA  
## hostnameV0391 Peg NA  
## hostnameV1298 Tau NA  
## hostnameWASP-1 NA  
## hostnameWASP-10 NA  
## hostnameWASP-100 NA  
## hostnameWASP-101 NA  
## hostnameWASP-103 NA  
## hostnameWASP-104 NA  
## hostnameWASP-105 NA  
## hostnameWASP-106 NA  
## hostnameWASP-107 NA  
## hostnameWASP-11 NA  
## hostnameWASP-113 NA  
## hostnameWASP-114 NA  
## hostnameWASP-117 NA  
## hostnameWASP-118 NA  
## hostnameWASP-119 NA  
## hostnameWASP-12 NA  
## hostnameWASP-120 NA  
## hostnameWASP-121 NA  
## hostnameWASP-123 NA  
## hostnameWASP-124 NA  
## hostnameWASP-126 NA  
## hostnameWASP-127 NA  
## hostnameWASP-129 NA  
## hostnameWASP-13 NA  
## hostnameWASP-130 NA  
## hostnameWASP-131 NA  
## hostnameWASP-132 NA  
## hostnameWASP-133 NA  
## hostnameWASP-135 NA  
## hostnameWASP-139 NA  
## hostnameWASP-14 NA  
## hostnameWASP-140 NA  
## hostnameWASP-141 NA  
## hostnameWASP-142 NA  
## hostnameWASP-144 NA  
## hostnameWASP-145 A NA  
## hostnameWASP-147 NA  
## hostnameWASP-148 NA  
## hostnameWASP-15 NA  
## hostnameWASP-150 NA  
## hostnameWASP-151 NA  
## hostnameWASP-153 NA  
## hostnameWASP-156 NA  
## hostnameWASP-157 NA  
## hostnameWASP-158 NA  
## hostnameWASP-159 NA  
## hostnameWASP-16 NA  
## hostnameWASP-160 B NA  
## hostnameWASP-162 NA  
## hostnameWASP-164 NA  
## hostnameWASP-165 NA  
## hostnameWASP-166 NA  
## hostnameWASP-168 NA  
## hostnameWASP-169 NA  
## hostnameWASP-17 NA  
## hostnameWASP-171 NA  
## hostnameWASP-172 NA  
## hostnameWASP-173 A NA  
## hostnameWASP-174 NA  
## hostnameWASP-175 NA  
## hostnameWASP-176 NA  
## hostnameWASP-178 NA  
## hostnameWASP-18 NA  
## hostnameWASP-180 A NA  
## hostnameWASP-182 NA  
## hostnameWASP-184 NA  
## hostnameWASP-185 NA  
## hostnameWASP-186 NA  
## hostnameWASP-187 NA  
## hostnameWASP-189 NA  
## hostnameWASP-19 NA  
## hostnameWASP-190 NA  
## hostnameWASP-192 NA  
## hostnameWASP-193 NA  
## hostnameWASP-2 NA  
## hostnameWASP-20 NA  
## hostnameWASP-21 NA  
## hostnameWASP-22 NA  
## hostnameWASP-23 NA  
## hostnameWASP-24 NA  
## hostnameWASP-25 NA  
## hostnameWASP-26 NA  
## hostnameWASP-28 NA  
## hostnameWASP-29 NA  
## hostnameWASP-3 NA  
## hostnameWASP-31 NA  
## hostnameWASP-32 NA  
## hostnameWASP-33 NA  
## hostnameWASP-34 NA  
## hostnameWASP-35 NA  
## hostnameWASP-36 NA  
## hostnameWASP-37 NA  
## hostnameWASP-38 NA  
## hostnameWASP-39 NA  
## hostnameWASP-4 NA  
## hostnameWASP-41 NA  
## hostnameWASP-42 NA  
## hostnameWASP-43 NA  
## hostnameWASP-44 NA  
## hostnameWASP-45 NA  
## hostnameWASP-46 NA  
## hostnameWASP-47 NA  
## hostnameWASP-48 NA  
## hostnameWASP-49 NA  
## hostnameWASP-5 NA  
## hostnameWASP-50 NA  
## hostnameWASP-52 NA  
## hostnameWASP-53 NA  
## hostnameWASP-54 NA  
## hostnameWASP-55 NA  
## hostnameWASP-56 NA  
## hostnameWASP-57 NA  
## hostnameWASP-58 NA  
## hostnameWASP-59 NA  
## hostnameWASP-6 NA  
## hostnameWASP-60 NA  
## hostnameWASP-61 NA  
## hostnameWASP-62 NA  
## hostnameWASP-63 NA  
## hostnameWASP-64 NA  
## hostnameWASP-65 NA  
## hostnameWASP-66 NA  
## hostnameWASP-67 NA  
## hostnameWASP-68 NA  
## hostnameWASP-69 NA  
## hostnameWASP-7 NA  
## hostnameWASP-70 A NA  
## hostnameWASP-71 NA  
## hostnameWASP-72 NA  
## hostnameWASP-73 NA  
## hostnameWASP-74 NA  
## hostnameWASP-75 NA  
## hostnameWASP-76 NA  
## hostnameWASP-77 A NA  
## hostnameWASP-78 NA  
## hostnameWASP-79 NA  
## hostnameWASP-8 NA  
## hostnameWASP-80 NA  
## hostnameWASP-81 NA  
## hostnameWASP-82 NA  
## hostnameWASP-83 NA  
## hostnameWASP-84 NA  
## hostnameWASP-85 A NA  
## hostnameWASP-87 NA  
## hostnameWASP-88 NA  
## hostnameWASP-89 NA  
## hostnameWASP-90 NA  
## hostnameWASP-91 NA  
## hostnameWASP-92 NA  
## hostnameWASP-93 NA  
## hostnameWASP-94 A NA  
## hostnameWASP-94 B NA  
## hostnameWASP-95 NA  
## hostnameWASP-96 NA  
## hostnameWASP-97 NA  
## hostnameWASP-98 NA  
## hostnameWASP-99 NA  
## hostnameWD 1856+534 NA  
## hostnameWendelstein-1 NA  
## hostnameWendelstein-2 NA  
## hostnameWolf 1061 NA  
## hostnameWolf 503 NA  
## hostnameWTS-1 NA  
## hostnameWTS-2 NA  
## hostnamexi Aql NA  
## hostnameXO-1 NA  
## hostnameXO-2 N NA  
## hostnameXO-2 S NA  
## hostnameXO-3 NA  
## hostnameXO-4 NA  
## hostnameXO-5 NA  
## hostnameXO-6 NA  
## hostnameXO-7 NA  
## hostnameYZ Cet NA  
## sy\_snum NA  
## sy\_pnum NA  
## disc\_facilityAnglo-Australian Telescope NA  
## disc\_facilityApache Point Observatory NA  
## disc\_facilityBohyunsan Optical Astronomical Observatory NA  
## disc\_facilityCalar Alto Observatory NA  
## disc\_facilityCerro Tololo Inter-American Observatory NA  
## disc\_facilityCHaracterising ExOPlanets Satellite (CHEOPS) NA  
## disc\_facilityCoRoT NA  
## disc\_facilityEuropean Southern Observatory NA  
## disc\_facilityFred Lawrence Whipple Observatory NA  
## disc\_facilityGemini Observatory NA  
## disc\_facilityHaleakala Observatory NA  
## disc\_facilityHATNet NA  
## disc\_facilityHATSouth NA  
## disc\_facilityHaute-Provence Observatory NA  
## disc\_facilityK2 NA  
## disc\_facilityKELT NA  
## disc\_facilityKELT-North NA  
## disc\_facilityKELT-South NA  
## disc\_facilityKepler NA  
## disc\_facilityKitt Peak National Observatory NA  
## disc\_facilityKOINet NA  
## disc\_facilityLa Silla Observatory NA  
## disc\_facilityLas Campanas Observatory NA  
## disc\_facilityLeoncito Astronomical Complex NA  
## disc\_facilityLick Observatory NA  
## disc\_facilityLowell Observatory NA  
## disc\_facilityMcDonald Observatory NA  
## disc\_facilityMEarth Project NA  
## disc\_facilityMultiple Facilities NA  
## disc\_facilityMultiple Observatories NA  
## disc\_facilityNext-Generation Transit Survey (NGTS) NA  
## disc\_facilityOGLE NA  
## disc\_facilityOkayama Astrophysical Observatory NA  
## disc\_facilityParanal Observatory NA  
## disc\_facilityQatar NA  
## disc\_facilityRoque de los Muchachos Observatory NA  
## disc\_facilitySpitzer Space Telescope NA  
## disc\_facilitySubaru Telescope NA  
## disc\_facilitySuperWASP NA  
## disc\_facilitySuperWASP-North NA  
## disc\_facilitySuperWASP-South NA  
## disc\_facilityThueringer Landessternwarte Tautenburg NA  
## disc\_facilityTransiting Exoplanet Survey Satellite (TESS) NA  
## disc\_facilityTrES NA  
## disc\_facilityUnited Kingdom Infrared Telescope NA  
## disc\_facilityUniversity of Canterbury Mt John Observatory NA  
## disc\_facilityVery Long Baseline Array NA  
## disc\_facilityW. M. Keck Observatory NA  
## disc\_facilityWASP-South NA  
## disc\_facilityXinglong Station NA  
## disc\_facilityXO NA  
## disc\_telescope0.10 m Schmidt Telescope NA  
## disc\_telescope0.18 m Takahashi Epsilon Astrograph NA  
## disc\_telescope0.27 m CoRoT Telescope NA  
## disc\_telescope0.3 m Ritchey-Chretien Telescope NA  
## disc\_telescope0.4 m MEarth Telescope NA  
## disc\_telescope0.6 m Coude Auxiliary Telescope NA  
## disc\_telescope0.60 m Transiting Planets and Planetesimals Small Telescope NA  
## disc\_telescope0.85 m Spitzer Space Telescope NA  
## disc\_telescope0.9 m KPNO Coude Feed Telescope NA  
## disc\_telescope0.95 m Kepler Telescope NA  
## disc\_telescope1.0 m McLellan telescope NA  
## disc\_telescope1.2 m Leonhard Euler Telescope NA  
## disc\_telescope1.3 m Warsaw University Telescope NA  
## disc\_telescope1.4 m CAT Telescope NA  
## disc\_telescope1.5 m SMARTS telescope NA  
## disc\_telescope1.5 m Tillinghast Reflector Telescope NA  
## disc\_telescope1.52 m ESO Telescope NA  
## disc\_telescope1.8 m Telescope NA  
## disc\_telescope1.8-m Ritchey-Chretien Telescope NA  
## disc\_telescope1.88 m Telescope NA  
## disc\_telescope1.93 m Telescope NA  
## disc\_telescope10 m Keck I Telescope NA  
## disc\_telescope10 m Keck II Telescope NA  
## disc\_telescope2.0 m Alfred Jensch Telescope NA  
## disc\_telescope2.15 m Jorge Sahade Telescope NA  
## disc\_telescope2.16 m Telescope NA  
## disc\_telescope2.2 m MPG/ESO Telescope NA  
## disc\_telescope2.4 m Automated Planet Finder Telescope NA  
## disc\_telescope2.5m Sloan Digital Sky Survey (SDSS) Telescope NA  
## disc\_telescope2.7 m Harlan J. Smith Telescope NA  
## disc\_telescope2.7m Harlan J. Smith Telescope NA  
## disc\_telescope20 cm Telescope NA  
## disc\_telescope279mm RASA-11 wide-field telescope NA  
## disc\_telescope3.0 m C. Donald Shane Telescope NA  
## disc\_telescope3.5 m telescope NA  
## disc\_telescope3.58 m Telescopio Nazionale Galileo NA  
## disc\_telescope3.6 m ESO Telescope NA  
## disc\_telescope3.8 m United Kingdom Infrared Telescope NA  
## disc\_telescope3.9 m Anglo-Australian Telescope NA  
## disc\_telescope4.3 m Lowell Discovery Telescope NA  
## disc\_telescope6.5 m Magellan II Clay Telescope NA  
## disc\_telescope8.19 m Gemini North Telescope NA  
## disc\_telescope8.19 m Gemini South Telescope NA  
## disc\_telescope8.2 m ESO VLT UT3 Melipal Telescope NA  
## disc\_telescope8.2 m ESO VLT UT4 Yepun Telescope NA  
## disc\_telescope8.2 m Subaru Telescope NA  
## disc\_telescope9.2 m Hobby-Eberly Telescope NA  
## disc\_telescopeCanon 200mm f/1.8L NA  
## disc\_telescopeCanon 400mm f/2.8L NA  
## disc\_telescopeCoude Auxiliary Telescope NA  
## disc\_telescopeMamiya 645 80mm f/1.9 NA  
## disc\_telescopeMEarth-South telescope array NA  
## disc\_telescopeMultiple Telescopes NA  
## disc\_telescopeNGTS telescopes NA  
## disc\_telescopeRowe-Ackermann Schmidt Astrograph telescope NA  
## disc\_telescopeVery Large Telescope (Antu) NA  
## pl\_orbper NA  
## pl\_orbsmax NA  
## pl\_rade NA  
## pl\_radj NA  
## pl\_bmasse NA  
## pl\_bmassj NA  
## pl\_bmassprovMass NA  
## pl\_bmassprovMsin(i)/sin(i) NA  
## pl\_bmassprovMsini NA  
## pl\_dens NA  
## pl\_orbeccen NA  
## ttv\_flag1 NA  
## st\_teff NA  
## st\_mass NA  
## st\_lum NA  
## st\_logg NA  
## rastr00h01m26.90s NA  
## rastr00h03m05.88s NA  
## rastr00h04m11.18s NA  
## rastr00h06m20.08s NA  
## rastr00h08m17.50s NA  
## rastr00h08m59.83s NA  
## rastr00h09m52.67s NA  
## rastr00h11m42.63s NA  
## rastr00h15m36.79s NA  
## rastr00h15m50.81s NA  
## rastr00h16m15.22s NA  
## rastr00h16m35.12s NA  
## rastr00h17m47.32s NA  
## rastr00h18m24.73s NA  
## rastr00h18m27.04s NA  
## rastr00h18m42.30s NA  
## rastr00h19m17.15s NA  
## rastr00h19m26.23s NA  
## rastr00h20m31.62s NA  
## rastr00h20m38.53s NA  
## rastr00h20m40.07s NA  
## rastr00h20m52.33s NA  
## rastr00h20m57.06s NA  
## rastr00h21m13.34s NA  
## rastr00h22m28.45s NA  
## rastr00h24m20.43s NA  
## rastr00h26m27.26s NA  
## rastr00h26m48.63s NA  
## rastr00h28m12.94s NA  
## rastr00h28m33.92s NA  
## rastr00h29m18.94s NA  
## rastr00h29m59.76s NA  
## rastr00h30m50.29s NA  
## rastr00h33m10.52s NA  
## rastr00h34m57.64s NA  
## rastr00h37m50.10s NA  
## rastr00h38m03.98s NA  
## rastr00h38m17.53s NA  
## rastr00h39m21.29s NA  
## rastr00h39m59.52s NA  
## rastr00h40m21.39s NA  
## rastr00h40m49.75s NA  
## rastr00h43m12.66s NA  
## rastr00h44m27.01s NA  
## rastr00h44m39.66s NA  
## rastr00h44m41.33s NA  
## rastr00h44m59.67s NA  
## rastr00h45m40.35s NA  
## rastr00h45m55.26s NA  
## rastr00h49m14.04s NA  
## rastr00h49m39.88s NA  
## rastr00h50m11.23s NA  
## rastr00h51m06.30s NA  
## rastr00h51m33.02s NA  
## rastr00h52m00.22s NA  
## rastr00h52m19.21s NA  
## rastr00h55m01.39s NA  
## rastr00h57m56.87s NA  
## rastr00h58m14.26s NA  
## rastr01h00m01.46s NA  
## rastr01h00m33.20s NA  
## rastr01h02m12.45s NA  
## rastr01h02m21.16s NA  
## rastr01h02m37.05s NA  
## rastr01h02m40.50s NA  
## rastr01h04m39.92s NA  
## rastr01h05m51.00s NA  
## rastr01h06m02.28s NA  
## rastr01h07m06.89s NA  
## rastr01h07m48.86s NA  
## rastr01h09m53.94s NA  
## rastr01h10m47.50s NA  
## rastr01h12m11.64s NA  
## rastr01h12m31.94s NA  
## rastr01h13m58.88s NA  
## rastr01h14m29.15s NA  
## rastr01h14m34.38s NA  
## rastr01h15m58.87s NA  
## rastr01h17m47.85s NA  
## rastr01h18m12.14s NA  
## rastr01h18m26.43s NA  
## rastr01h20m39.84s NA  
## rastr01h20m51.56s NA  
## rastr01h21m45.22s NA  
## rastr01h21m58.96s NA  
## rastr01h22m07.55s NA  
## rastr01h23m37.32s NA  
## rastr01h24m15.63s NA  
## rastr01h25m12.81s NA  
## rastr01h26m09.08s NA  
## rastr01h27m29.06s NA  
## rastr01h27m41.22s NA  
## rastr01h29m46.99s NA  
## rastr01h30m01.04s NA  
## rastr01h33m20.41s NA  
## rastr01h34m05.15s NA  
## rastr01h34m22.42s NA  
## rastr01h35m51.28s NA  
## rastr01h36m40.29s NA  
## rastr01h36m47.60s NA  
## rastr01h37m25.07s NA  
## rastr01h37m53.55s NA  
## rastr01h38m25.23s NA  
## rastr01h41m53.17s NA  
## rastr01h42m29.60s NA  
## rastr01h43m40.88s NA  
## rastr01h44m02.23s NA  
## rastr01h44m55.78s NA  
## rastr01h45m21.35s NA  
## rastr01h46m31.90s NA  
## rastr01h48m21.15s NA  
## rastr01h48m39.07s NA  
## rastr01h49m37.86s NA  
## rastr01h50m06.53s NA  
## rastr01h52m50.56s NA  
## rastr01h53m06.01s NA  
## rastr01h53m07.82s NA  
## rastr01h54m51.79s NA  
## rastr01h54m56.34s NA  
## rastr01h57m03.23s NA  
## rastr01h57m09.22s NA  
## rastr01h58m49.88s NA  
## rastr02h00m09.40s NA  
## rastr02h00m14.12s NA  
## rastr02h02m26.77s NA  
## rastr02h03m37.20s NA  
## rastr02h04m10.26s NA  
## rastr02h04m34.16s NA  
## rastr02h07m38.20s NA  
## rastr02h08m13.83s NA  
## rastr02h09m11.46s NA  
## rastr02h09m40.18s NA  
## rastr02h10m29.39s NA  
## rastr02h11m07.70s NA  
## rastr02h11m47.29s NA  
## rastr02h12m20.63s NA  
## rastr02h12m31.46s NA  
## rastr02h12m36.96s NA  
## rastr02h12m42.74s NA  
## rastr02h13m12.58s NA  
## rastr02h16m47.52s NA  
## rastr02h17m10.40s NA  
## rastr02h18m14.62s NA  
## rastr02h18m59.54s NA  
## rastr02h21m32.04s NA  
## rastr02h22m14.98s NA  
## rastr02h23m14.04s NA  
## rastr02h26m51.06s NA  
## rastr02h27m06.19s NA  
## rastr02h27m28.29s NA  
## rastr02h28m37.33s NA  
## rastr02h32m09.40s NA  
## rastr02h32m29.03s NA  
## rastr02h33m05.10s NA  
## rastr02h33m26.78s NA  
## rastr02h33m28.60s NA  
## rastr02h35m19.77s NA  
## rastr02h36m57.91s NA  
## rastr02h36m58.58s NA  
## rastr02h37m01.86s NA  
## rastr02h37m07.76s NA  
## rastr02h37m41.85s NA  
## rastr02h37m43.14s NA  
## rastr02h39m35.44s NA  
## rastr02h40m03.27s NA  
## rastr02h42m34.01s NA  
## rastr02h42m50.47s NA  
## rastr02h42m58.21s NA  
## rastr02h44m09.62s NA  
## rastr02h46m22.18s NA  
## rastr02h46m43.22s NA  
## rastr02h48m59.45s NA  
## rastr02h49m09.96s NA  
## rastr02h49m44.79s NA  
## rastr02h50m53.22s NA  
## rastr02h51m04.44s NA  
## rastr02h51m56.39s NA  
## rastr02h53m04.59s NA  
## rastr02h53m27.27s NA  
## rastr02h54m45.14s NA  
## rastr02h55m39.37s NA  
## rastr02h57m02.88s NA  
## rastr03h00m10.63s NA  
## rastr03h01m50.99s NA  
## rastr03h02m19.82s NA  
## rastr03h02m33.75s NA  
## rastr03h05m10.23s NA  
## rastr03h06m07.64s NA  
## rastr03h07m16.47s NA  
## rastr03h07m38.16s NA  
## rastr03h09m28.55s NA  
## rastr03h09m32.20s NA  
## rastr03h10m04.14s NA  
## rastr03h11m14.23s NA  
## rastr03h12m46.64s NA  
## rastr03h13m44.51s NA  
## rastr03h15m07.52s NA  
## rastr03h16m42.75s NA  
## rastr03h18m14.92s NA  
## rastr03h19m59.94s NA  
## rastr03h20m03.35s NA  
## rastr03h20m03.99s NA  
## rastr03h20m43.06s NA  
## rastr03h23m17.70s NA  
## rastr03h24m54.82s NA  
## rastr03h26m11.38s NA  
## rastr03h27m00.05s NA  
## rastr03h27m12.97s NA  
## rastr03h29m22.09s NA  
## rastr03h31m16.33s NA  
## rastr03h32m38.26s NA  
## rastr03h32m54.82s NA  
## rastr03h34m36.27s NA  
## rastr03h35m15.56s NA  
## rastr03h36m00.78s NA  
## rastr03h39m00.35s NA  
## rastr03h39m16.69s NA  
## rastr03h39m23.79s NA  
## rastr03h39m42.77s NA  
## rastr03h40m49.57s NA  
## rastr03h41m01.42s NA  
## rastr03h41m50.17s NA  
## rastr03h43m44.07s NA  
## rastr03h45m01.52s NA  
## rastr03h45m33.75s NA  
## rastr03h48m00.45s NA  
## rastr03h48m16.11s NA  
## rastr03h49m56.51s NA  
## rastr03h50m23.09s NA  
## rastr03h50m37.73s NA  
## rastr03h53m03.34s NA  
## rastr03h53m42.96s NA  
## rastr03h55m49.79s NA  
## rastr03h56m36.24s NA  
## rastr03h56m36.66s NA  
## rastr03h57m44.05s NA  
## rastr03h57m51.56s NA  
## rastr03h59m33.67s NA  
## rastr03h59m36.33s NA  
## rastr04h01m32.53s NA  
## rastr04h03m37.80s NA  
## rastr04h03m47.59s NA  
## rastr04h03m47.85s NA  
## rastr04h04m22.73s NA  
## rastr04h05m19.60s NA  
## rastr04h06m34.90s NA  
## rastr04h06m37.87s NA  
## rastr04h07m01.36s NA  
## rastr04h07m45.85s NA  
## rastr04h09m17.48s NA  
## rastr04h09m38.93s NA  
## rastr04h10m27.86s NA  
## rastr04h10m40.90s NA  
## rastr04h11m51.93s NA  
## rastr04h12m52.38s NA  
## rastr04h13m05.74s NA  
## rastr04h13m29.93s NA  
## rastr04h15m01.50s NA  
## rastr04h16m28.93s NA  
## rastr04h16m45.65s NA  
## rastr04h17m02.35s NA  
## rastr04h19m45.41s NA  
## rastr04h20m47.42s NA  
## rastr04h20m57.19s NA  
## rastr04h21m05.61s NA  
## rastr04h21m07.36s NA  
## rastr04h21m52.70s NA  
## rastr04h24m50.60s NA  
## rastr04h24m59.55s NA  
## rastr04h25m29.02s NA  
## rastr04h26m26.41s NA  
## rastr04h26m48.78s NA  
## rastr04h26m49.64s NA  
## rastr04h28m35.63s NA  
## rastr04h28m37.12s NA  
## rastr04h28m53.48s NA  
## rastr04h29m39.09s NA  
## rastr04h29m40.46s NA  
## rastr04h31m25.46s NA  
## rastr04h32m04.93s NA  
## rastr04h32m32.76s NA  
## rastr04h32m42.96s NA  
## rastr04h33m33.68s NA  
## rastr04h33m39.86s NA  
## rastr04h34m22.55s NA  
## rastr04h35m23.16s NA  
## rastr04h35m50.36s NA  
## rastr04h35m53.85s NA  
## rastr04h37m36.18s NA  
## rastr04h37m52.35s NA  
## rastr04h38m12.56s NA  
## rastr04h41m21.54s NA  
## rastr04h41m43.75s NA  
## rastr04h41m54.50s NA  
## rastr04h42m05.20s NA  
## rastr04h42m56.49s NA  
## rastr04h44m06.76s NA  
## rastr04h47m17.86s NA  
## rastr04h48m28.76s NA  
## rastr04h48m36.71s NA  
## rastr04h50m17.88s NA  
## rastr04h50m38.54s NA  
## rastr04h50m46.56s NA  
## rastr04h51m36.14s NA  
## rastr04h52m05.89s NA  
## rastr04h53m25.27s NA  
## rastr04h53m50.42s NA  
## rastr04h54m43.75s NA  
## rastr04h54m48.35s NA  
## rastr04h55m04.03s NA  
## rastr04h55m38.31s NA  
## rastr04h55m55.20s NA  
## rastr04h58m01.05s NA  
## rastr04h58m12.56s NA  
## rastr05h01m11.92s NA  
## rastr05h01m55.24s NA  
## rastr05h03m10.89s NA  
## rastr05h03m23.11s NA  
## rastr05h04m19.65s NA  
## rastr05h05m14.33s NA  
## rastr05h05m47.03s NA  
## rastr05h07m28.16s NA  
## rastr05h07m35.53s NA  
## rastr05h07m55.68s NA  
## rastr05h08m01.08s NA  
## rastr05h09m36.90s NA  
## rastr05h10m27.09s NA  
## rastr05h11m50.08s NA  
## rastr05h12m36.14s NA  
## rastr05h13m10.94s NA  
## rastr05h15m47.31s NA  
## rastr05h16m33.79s NA  
## rastr05h17m40.98s NA  
## rastr05h19m04.38s NA  
## rastr05h22m09.18s NA  
## rastr05h22m33.10s NA  
## rastr05h23m21.60s NA  
## rastr05h25m22.70s NA  
## rastr05h27m04.78s NA  
## rastr05h27m24.79s NA  
## rastr05h30m51.41s NA  
## rastr05h31m33.28s NA  
## rastr05h33m04.62s NA  
## rastr05h35m27.82s NA  
## rastr05h36m36.65s NA  
## rastr05h37m02.40s NA  
## rastr05h37m02.53s NA  
## rastr05h37m11.83s NA  
## rastr05h37m18.42s NA  
## rastr05h39m43.68s NA  
## rastr05h40m01.78s NA  
## rastr05h40m19.21s NA  
## rastr05h44m30.98s NA  
## rastr05h46m34.83s NA  
## rastr05h46m57.17s NA  
## rastr05h47m06.27s NA  
## rastr05h47m17.10s NA  
## rastr05h47m24.23s NA  
## rastr05h47m59.12s NA  
## rastr05h48m33.56s NA  
## rastr05h48m45.13s NA  
## rastr05h49m36.43s NA  
## rastr05h50m43.09s NA  
## rastr05h52m35.23s NA  
## rastr05h53m00.28s NA  
## rastr05h54m04.13s NA  
## rastr05h54m30.26s NA  
## rastr05h56m31.21s NA  
## rastr05h58m23.73s NA  
## rastr06h00m15.02s NA  
## rastr06h04m00.87s NA  
## rastr06h04m21.53s NA  
## rastr06h04m21.60s NA  
## rastr06h04m30.08s NA  
## rastr06h06m09.68s NA  
## rastr06h06m39.07s NA  
## rastr06h07m11.93s NA  
## rastr06h07m29.35s NA  
## rastr06h08m31.94s NA  
## rastr06h09m56.51s NA  
## rastr06h10m34.46s NA  
## rastr06h10m39.37s NA  
## rastr06h11m44.67s NA  
## rastr06h12m00.77s NA  
## rastr06h12m27.54s NA  
## rastr06h13m35.84s NA  
## rastr06h16m26.90s NA  
## rastr06h17m08.12s NA  
## rastr06h17m20.73s NA  
## rastr06h19m10.31s NA  
## rastr06h19m16.98s NA  
## rastr06h19m34.71s NA  
## rastr06h20m14.40s NA  
## rastr06h21m39.89s NA  
## rastr06h24m43.68s NA  
## rastr06h25m38.54s NA  
## rastr06h26m58.71s NA  
## rastr06h28m08.06s NA  
## rastr06h28m22.97s NA  
## rastr06h28m45.65s NA  
## rastr06h29m13.41s NA  
## rastr06h30m32.79s NA  
## rastr06h30m47.05s NA  
## rastr06h30m52.90s NA  
## rastr06h32m41.38s NA  
## rastr06h33m12.74s NA  
## rastr06h33m24.26s NA  
## rastr06h36m08.81s NA  
## rastr06h36m41.11s NA  
## rastr06h37m03.13s NA  
## rastr06h37m09.97s NA  
## rastr06h37m40.80s NA  
## rastr06h37m47.75s NA  
## rastr06h38m56.30s NA  
## rastr06h39m35.52s NA  
## rastr06h40m01.77s NA  
## rastr06h42m17.10s NA  
## rastr06h43m03.76s NA  
## rastr06h43m23.52s NA  
## rastr06h43m49.48s NA  
## rastr06h44m12.63s NA  
## rastr06h44m27.58s NA  
## rastr06h44m30.60s NA  
## rastr06h45m06.54s NA  
## rastr06h45m34.75s NA  
## rastr06h47m41.41s NA  
## rastr06h47m58.62s NA  
## rastr06h48m19.17s NA  
## rastr06h48m46.71s NA  
## rastr06h50m53.07s NA  
## rastr06h51m23.38s NA  
## rastr06h51m30.56s NA  
## rastr06h52m01.94s NA  
## rastr06h53m39.08s NA  
## rastr06h53m41.81s NA  
## rastr06h54m04.17s NA  
## rastr06h54m42.79s NA  
## rastr06h54m48.06s NA  
## rastr06h54m51.29s NA  
## rastr07h00m17.91s NA  
## rastr07h01m37.09s NA  
## rastr07h05m42.19s NA  
## rastr07h06m14.18s NA  
## rastr07h09m57.16s NA  
## rastr07h10m24.06s NA  
## rastr07h11m08.33s NA  
## rastr07h11m22.48s NA  
## rastr07h12m04.68s NA  
## rastr07h12m10.61s NA  
## rastr07h12m14.93s NA  
## rastr07h13m12.34s NA  
## rastr07h13m48.58s NA  
## rastr07h15m18.03s NA  
## rastr07h16m10.78s NA  
## rastr07h16m25.09s NA  
## rastr07h17m18.10s NA  
## rastr07h17m33.21s NA  
## rastr07h20m40.44s NA  
## rastr07h21m33.13s NA  
## rastr07h22m03.04s NA  
## rastr07h24m48.60s NA  
## rastr07h27m39.94s NA  
## rastr07h28m02.41s NA  
## rastr07h29m40.61s NA  
## rastr07h31m48.45s NA  
## rastr07h31m51.70s NA  
## rastr07h32m44.22s NA  
## rastr07h34m03.14s NA  
## rastr07h35m01.98s NA  
## rastr07h35m37.26s NA  
## rastr07h37m08.01s NA  
## rastr07h37m09.23s NA  
## rastr07h38m28.84s NA  
## rastr07h39m21.75s NA  
## rastr07h40m32.80s NA  
## rastr07h43m43.61s NA  
## rastr07h44m19.71s NA  
## rastr07h45m28.97s NA  
## rastr07h46m51.93s NA  
## rastr07h47m49.98s NA  
## rastr07h48m06.42s NA  
## rastr07h48m07.43s NA  
## rastr07h49m27.63s NA  
## rastr07h49m39.59s NA  
## rastr07h49m55.05s NA  
## rastr07h51m55.81s NA  
## rastr07h52m15.23s NA  
## rastr07h53m41.03s NA  
## rastr07h53m55.96s NA  
## rastr07h54m10.54s NA  
## rastr07h56m14.36s NA  
## rastr07h59m05.64s NA  
## rastr08h02m15.91s NA  
## rastr08h02m22.47s NA  
## rastr08h02m26.80s NA  
## rastr08h03m28.60s NA  
## rastr08h05m23.39s NA  
## rastr08h07m27.18s NA  
## rastr08h07m39.74s NA  
## rastr08h13m00.17s NA  
## rastr08h13m31.64s NA  
## rastr08h13m34.14s NA  
## rastr08h14m13.20s NA  
## rastr08h15m47.96s NA  
## rastr08h16m30.87s NA  
## rastr08h18m07.89s NA  
## rastr08h18m22.45s NA  
## rastr08h18m24.24s NA  
## rastr08h18m25.62s NA  
## rastr08h21m13.21s NA  
## rastr08h21m27.87s NA  
## rastr08h22m49.90s NA  
## rastr08h25m44.10s NA  
## rastr08h25m51.45s NA  
## rastr08h25m54.29s NA  
## rastr08h25m57.17s NA  
## rastr08h26m12.84s NA  
## rastr08h27m44.80s NA  
## rastr08h29m32.94s NA  
## rastr08h30m18.89s NA  
## rastr08h31m03.08s NA  
## rastr08h31m31.90s NA  
## rastr08h33m36.68s NA  
## rastr08h34m03.07s NA  
## rastr08h34m38.80s NA  
## rastr08h34m52.69s NA  
## rastr08h35m42.17s NA  
## rastr08h36m17.64s NA  
## rastr08h36m22.80s NA  
## rastr08h37m16.40s NA  
## rastr08h37m27.02s NA  
## rastr08h38m24.26s NA  
## rastr08h38m32.80s NA  
## rastr08h38m43.71s NA  
## rastr08h38m45.19s NA  
## rastr08h39m15.68s NA  
## rastr08h39m31.77s NA  
## rastr08h40m06.41s NA  
## rastr08h40m12.67s NA  
## rastr08h40m17.87s NA  
## rastr08h40m43.21s NA  
## rastr08h40m58.69s NA  
## rastr08h41m10.84s NA  
## rastr08h41m19.60s NA  
## rastr08h41m22.54s NA  
## rastr08h41m38.45s NA  
## rastr08h41m43.78s NA  
## rastr08h42m01.35s NA  
## rastr08h42m11.46s NA  
## rastr08h42m25.15s NA  
## rastr08h43m36.05s NA  
## rastr08h44m25.68s NA  
## rastr08h45m26.00s NA  
## rastr08h46m19.29s NA  
## rastr08h47m40.36s NA  
## rastr08h48m02.37s NA  
## rastr08h48m30.45s NA  
## rastr08h49m12.38s NA  
## rastr08h49m56.81s NA  
## rastr08h52m23.81s NA  
## rastr08h52m35.24s NA  
## rastr08h53m17.83s NA  
## rastr08h53m38.09s NA  
## rastr08h53m50.69s NA  
## rastr08h53m54.77s NA  
## rastr08h54m33.85s NA  
## rastr08h55m07.67s NA  
## rastr08h55m16.88s NA  
## rastr08h55m25.38s NA  
## rastr08h57m46.59s NA  
## rastr09h01m12.54s NA  
## rastr09h01m22.65s NA  
## rastr09h06m17.81s NA  
## rastr09h09m48.84s NA  
## rastr09h11m58.67s NA  
## rastr09h12m24.52s NA  
## rastr09h14m22.00s NA  
## rastr09h15m09.26s NA  
## rastr09h16m27.02s NA  
## rastr09h19m43.96s NA  
## rastr09h20m21.02s NA  
## rastr09h20m24.71s NA  
## rastr09h21m21.38s NA  
## rastr09h22m01.52s NA  
## rastr09h22m37.67s NA  
## rastr09h23m09.91s NA  
## rastr09h23m46.92s NA  
## rastr09h27m40.95s NA  
## rastr09h28m39.98s NA  
## rastr09h28m41.63s NA  
## rastr09h34m50.74s NA  
## rastr09h35m45.20s NA  
## rastr09h36m28.65s NA  
## rastr09h37m05.18s NA  
## rastr09h37m09.03s NA  
## rastr09h37m11.86s NA  
## rastr09h38m09.07s NA  
## rastr09h39m30.03s NA  
## rastr09h39m42.45s NA  
## rastr09h44m29.15s NA  
## rastr09h45m35.30s NA  
## rastr09h50m02.54s NA  
## rastr09h50m19.22s NA  
## rastr09h51m07.71s NA  
## rastr09h52m44.44s NA  
## rastr09h52m45.57s NA  
## rastr09h53m40.02s NA  
## rastr09h54m34.35s NA  
## rastr09h55m42.16s NA  
## rastr09h56m05.85s NA  
## rastr09h56m07.98s NA  
## rastr09h56m29.64s NA  
## rastr09h56m57.82s NA  
## rastr09h59m17.68s NA  
## rastr10h00m47.33s NA  
## rastr10h01m37.60s NA  
## rastr10h02m17.43s NA  
## rastr10h02m20.77s NA  
## rastr10h06m28.49s NA  
## rastr10h06m40.69s NA  
## rastr10h08m43.06s NA  
## rastr10h08m52.38s NA  
## rastr10h09m23.22s NA  
## rastr10h10m07.66s NA  
## rastr10h14m50.18s NA  
## rastr10h16m44.83s NA  
## rastr10h17m05.05s NA  
## rastr10h17m06.67s NA  
## rastr10h18m21.00s NA  
## rastr10h18m34.78s NA  
## rastr10h18m41.06s NA  
## rastr10h19m37.96s NA  
## rastr10h20m40.53s NA  
## rastr10h22m10.40s NA  
## rastr10h22m25.89s NA  
## rastr10h22m43.55s NA  
## rastr10h23m28.44s NA  
## rastr10h23m55.23s NA  
## rastr10h23m56.19s NA  
## rastr10h26m59.34s NA  
## rastr10h28m15.03s NA  
## rastr10h28m34.58s NA  
## rastr10h29m38.96s NA  
## rastr10h31m44.56s NA  
## rastr10h32m54.01s NA  
## rastr10h37m21.89s NA  
## rastr10h37m38.24s NA  
## rastr10h40m14.36s NA  
## rastr10h42m14.10s NA  
## rastr10h42m24.57s NA  
## rastr10h42m48.51s NA  
## rastr10h42m59.54s NA  
## rastr10h44m20.80s NA  
## rastr10h46m15.05s NA  
## rastr10h46m42.70s NA  
## rastr10h46m49.66s NA  
## rastr10h47m38.17s NA  
## rastr10h50m34.58s NA  
## rastr10h52m07.75s NA  
## rastr10h53m17.79s NA  
## rastr10h55m53.92s NA  
## rastr10h57m15.03s NA  
## rastr10h57m23.79s NA  
## rastr10h58m20.77s NA  
## rastr10h58m28.59s NA  
## rastr10h58m34.40s NA  
## rastr10h58m47.70s NA  
## rastr10h59m25.52s NA  
## rastr10h59m27.54s NA  
## rastr10h59m35.07s NA  
## rastr11h00m40.13s NA  
## rastr11h01m15.80s NA  
## rastr11h01m35.85s NA  
## rastr11h02m45.72s NA  
## rastr11h03m27.81s NA  
## rastr11h04m44.48s NA  
## rastr11h05m15.02s NA  
## rastr11h05m16.51s NA  
## rastr11h05m17.56s NA  
## rastr11h05m43.11s NA  
## rastr11h05m45.96s NA  
## rastr11h07m27.44s NA  
## rastr11h07m53.82s NA  
## rastr11h09m18.70s NA  
## rastr11h10m13.09s NA  
## rastr11h10m23.19s NA  
## rastr11h10m25.97s NA  
## rastr11h11m05.88s NA  
## rastr11h13m10.30s NA  
## rastr11h14m15.33s NA  
## rastr11h14m33.04s NA  
## rastr11h15m55.45s NA  
## rastr11h16m28.09s NA  
## rastr11h17m45.33s NA  
## rastr11h17m47.41s NA  
## rastr11h17m47.76s NA  
## rastr11h18m31.86s NA  
## rastr11h20m24.74s NA  
## rastr11h20m33.81s NA  
## rastr11h20m51.54s NA  
## rastr11h21m17.84s NA  
## rastr11h21m49.18s NA  
## rastr11h22m05.45s NA  
## rastr11h24m03.55s NA  
## rastr11h24m17.17s NA  
## rastr11h24m31.29s NA  
## rastr11h25m05.98s NA  
## rastr11h25m56.98s NA  
## rastr11h26m03.64s NA  
## rastr11h26m04.72s NA  
## rastr11h26m45.52s NA  
## rastr11h27m22.81s NA  
## rastr11h28m29.20s NA  
## rastr11h28m30.28s NA  
## rastr11h29m20.49s NA  
## rastr11h30m14.43s NA  
## rastr11h32m46.06s NA  
## rastr11h35m03.69s NA  
## rastr11h35m26.86s NA  
## rastr11h35m49.78s NA  
## rastr11h35m51.51s NA  
## rastr11h36m02.37s NA  
## rastr11h36m48.21s NA  
## rastr11h36m56.93s NA  
## rastr11h38m58.93s NA  
## rastr11h39m50.46s NA  
## rastr11h41m43.83s NA  
## rastr11h42m06.06s NA  
## rastr11h42m12.13s NA  
## rastr11h43m30.15s NA  
## rastr11h43m37.93s NA  
## rastr11h44m40.93s NA  
## rastr11h44m50.33s NA  
## rastr11h44m57.66s NA  
## rastr11h44m59.99s NA  
## rastr11h45m11.77s NA  
## rastr11h45m42.10s NA  
## rastr11h45m55.69s NA  
## rastr11h46m23.53s NA  
## rastr11h46m28.99s NA  
## rastr11h46m30.80s NA  
## rastr11h46m46.60s NA  
## rastr11h46m57.32s NA  
## rastr11h47m45.02s NA  
## rastr11h50m15.53s NA  
## rastr11h50m20.51s NA  
## rastr11h51m22.49s NA  
## rastr11h52m13.65s NA  
## rastr11h52m52.85s NA  
## rastr11h53m19.12s NA  
## rastr11h54m18.72s NA  
## rastr11h56m41.12s NA  
## rastr11h56m55.46s NA  
## rastr11h57m45.19s NA  
## rastr11h58m11.51s NA  
## rastr11h59m10.17s NA  
## rastr12h00m39.62s NA  
## rastr12h00m50.11s NA  
## rastr12h02m11.09s NA  
## rastr12h05m15.79s NA  
## rastr12h06m17.24s NA  
## rastr12h08m39.90s NA  
## rastr12h09m36.51s NA  
## rastr12h10m38.69s NA  
## rastr12h11m00.34s NA  
## rastr12h12m21.27s NA  
## rastr12h13m27.85s NA  
## rastr12h13m29.53s NA  
## rastr12h13m37.18s NA  
## rastr12h13m53.39s NA  
## rastr12h14m15.35s NA  
## rastr12h15m06.30s NA  
## rastr12h19m13.43s NA  
## rastr12h19m23.33s NA  
## rastr12h20m42.91s NA  
## rastr12h21m17.92s NA  
## rastr12h22m58.57s NA  
## rastr12h25m45.84s NA  
## rastr12h25m50.72s NA  
## rastr12h25m56.65s NA  
## rastr12h26m17.78s NA  
## rastr12h27m08.95s NA  
## rastr12h27m29.50s NA  
## rastr12h27m31.00s NA  
## rastr12h30m19.83s NA  
## rastr12h30m27.02s NA  
## rastr12h30m44.81s NA  
## rastr12h32m06.52s NA  
## rastr12h32m32.96s NA  
## rastr12h33m03.89s NA  
## rastr12h33m32.74s NA  
## rastr12h33m35.00s NA  
## rastr12h33m35.38s NA  
## rastr12h35m41.37s NA  
## rastr12h37m16.16s NA  
## rastr12h38m51.22s NA  
## rastr12h39m14.69s NA  
## rastr12h39m15.71s NA  
## rastr12h40m08.78s NA  
## rastr12h40m36.47s NA  
## rastr12h42m28.51s NA  
## rastr12h42m59.10s NA  
## rastr12h46m48.68s NA  
## rastr12h47m55.57s NA  
## rastr12h48m45.50s NA  
## rastr12h48m51.83s NA  
## rastr12h50m21.43s NA  
## rastr12h51m55.49s NA  
## rastr12h53m10.88s NA  
## rastr12h54m12.59s NA  
## rastr12h55m35.72s NA  
## rastr12h56m57.96s NA  
## rastr12h57m31.80s NA  
## rastr12h57m52.34s NA  
## rastr12h58m57.51s NA  
## rastr13h01m26.34s NA  
## rastr13h01m46.52s NA  
## rastr13h03m10.56s NA  
## rastr13h03m55.64s NA  
## rastr13h04m56.14s NA  
## rastr13h07m10.77s NA  
## rastr13h09m16.11s NA  
## rastr13h10m39.65s NA  
## rastr13h11m59.18s NA  
## rastr13h12m02.68s NA  
## rastr13h12m43.64s NA  
## rastr13h12m44.02s NA  
## rastr13h13m33.26s NA  
## rastr13h16m47.09s NA  
## rastr13h16m51.74s NA  
## rastr13h17m20.12s NA  
## rastr13h17m44.10s NA  
## rastr13h18m23.15s NA  
## rastr13h19m12.44s NA  
## rastr13h19m56.49s NA  
## rastr13h20m39.53s NA  
## rastr13h22m32.37s NA  
## rastr13h22m56.05s NA  
## rastr13h24m21.04s NA  
## rastr13h25m07.83s NA  
## rastr13h26m37.24s NA  
## rastr13h26m52.97s NA  
## rastr13h28m25.56s NA  
## rastr13h29m20.85s NA  
## rastr13h30m00.97s NA  
## rastr13h30m25.22s NA  
## rastr13h32m25.44s NA  
## rastr13h32m25.59s NA  
## rastr13h34m02.39s NA  
## rastr13h34m11.21s NA  
## rastr13h35m01.97s NA  
## rastr13h36m34.05s NA  
## rastr13h36m53.16s NA  
## rastr13h37m45.04s NA  
## rastr13h38m48.14s NA  
## rastr13h41m30.21s NA  
## rastr13h41m49.02s NA  
## rastr13h42m38.88s NA  
## rastr13h44m22.56s NA  
## rastr13h46m56.59s NA  
## rastr13h47m15.23s NA  
## rastr13h47m23.09s NA  
## rastr13h48m18.79s NA  
## rastr13h49m23.94s NA  
## rastr13h49m53.72s NA  
## rastr13h50m19.40s NA  
## rastr13h50m37.32s NA  
## rastr13h51m37.84s NA  
## rastr13h53m51.69s NA  
## rastr13h55m05.70s NA  
## rastr13h55m25.62s NA  
## rastr13h55m36.35s NA  
## rastr13h55m42.72s NA  
## rastr13h57m16.78s NA  
## rastr13h57m33.27s NA  
## rastr13h58m04.08s NA  
## rastr14h00m46.46s NA  
## rastr14h01m02.33s NA  
## rastr14h08m10.11s NA  
## rastr14h11m16.97s NA  
## rastr14h12m34.53s NA  
## rastr14h12m37.57s NA  
## rastr14h16m14.30s NA  
## rastr14h18m09.30s NA  
## rastr14h18m43.92s NA  
## rastr14h20m29.46s NA  
## rastr14h20m53.45s NA  
## rastr14h21m22.42s NA  
## rastr14h23m12.36s NA  
## rastr14h26m05.72s NA  
## rastr14h26m35.38s NA  
## rastr14h26m48.12s NA  
## rastr14h27m32.46s NA  
## rastr14h27m41.64s NA  
## rastr14h28m37.33s NA  
## rastr14h29m18.40s NA  
## rastr14h29m18.50s NA  
## rastr14h29m34.43s NA  
## rastr14h30m26.21s NA  
## rastr14h30m44.37s NA  
## rastr14h31m42.19s NA  
## rastr14h32m51.79s NA  
## rastr14h33m06.39s NA  
## rastr14h34m16.44s NA  
## rastr14h36m00.78s NA  
## rastr14h37m04.87s NA  
## rastr14h44m13.98s NA  
## rastr14h46m02.50s NA  
## rastr14h47m32.59s NA  
## rastr14h47m46.53s NA  
## rastr14h48m50.42s NA  
## rastr14h51m04.16s NA  
## rastr14h53m23.08s NA  
## rastr14h54m38.09s NA  
## rastr14h55m16.79s NA  
## rastr14h56m48.40s NA  
## rastr14h56m54.63s NA  
## rastr14h57m25.44s NA  
## rastr14h58m21.43s NA  
## rastr14h59m29.49s NA  
## rastr15h00m19.17s NA  
## rastr15h02m44.82s NA  
## rastr15h03m35.63s NA  
## rastr15h03m35.99s NA  
## rastr15h05m20.92s NA  
## rastr15h08m51.72s NA  
## rastr15h09m04.88s NA  
## rastr15h10m07.72s NA  
## rastr15h10m38.08s NA  
## rastr15h10m44.34s NA  
## rastr15h12m59.58s NA  
## rastr15h13m28.21s NA  
## rastr15h17m05.90s NA  
## rastr15h17m48.28s NA  
## rastr15h18m17.16s NA  
## rastr15h18m55.35s NA  
## rastr15h19m25.55s NA  
## rastr15h19m57.89s NA  
## rastr15h20m08.42s NA  
## rastr15h20m13.36s NA  
## rastr15h20m41.38s NA  
## rastr15h21m45.63s NA  
## rastr15h21m55.18s NA  
## rastr15h22m51.78s NA  
## rastr15h23m50.71s NA  
## rastr15h24m55.76s NA  
## rastr15h26m58.09s NA  
## rastr15h28m35.19s NA  
## rastr15h30m18.59s NA  
## rastr15h32m17.84s NA  
## rastr15h35m16.17s NA  
## rastr15h35m31.65s NA  
## rastr15h35m39.62s NA  
## rastr15h39m25.89s NA  
## rastr15h46m26.38s NA  
## rastr15h46m53.65s NA  
## rastr15h47m28.56s NA  
## rastr15h49m37.32s NA  
## rastr15h50m17.58s NA  
## rastr15h51m13.92s NA  
## rastr15h52m17.65s NA  
## rastr15h52m56.22s NA  
## rastr15h53m36.57s NA  
## rastr15h57m35.16s NA  
## rastr15h57m40.56s NA  
## rastr15h58m18.62s NA  
## rastr15h59m50.94s NA  
## rastr16h00m07.99s NA  
## rastr16h00m22.95s NA  
## rastr16h01m02.42s NA  
## rastr16h01m50.12s NA  
## rastr16h02m11.83s NA  
## rastr16h05m17.50s NA  
## rastr16h09m03.49s NA  
## rastr16h10m03.89s NA  
## rastr16h10m11.56s NA  
## rastr16h10m17.30s NA  
## rastr16h10m17.63s NA  
## rastr16h10m24.50s NA  
## rastr16h11m36.47s NA  
## rastr16h12m41.82s NA  
## rastr16h13m09.89s NA  
## rastr16h13m50.90s NA  
## rastr16h15m50.33s NA  
## rastr16h16m41.42s NA  
## rastr16h20m36.34s NA  
## rastr16h21m45.73s NA  
## rastr16h22m59.76s NA  
## rastr16h24m01.39s NA  
## rastr16h25m25.39s NA  
## rastr16h25m44.44s NA  
## rastr16h25m45.13s NA  
## rastr16h26m46.09s NA  
## rastr16h28m17.35s NA  
## rastr16h28m28.11s NA  
## rastr16h30m17.96s NA  
## rastr16h30m29.52s NA  
## rastr16h31m18.14s NA  
## rastr16h31m28.10s NA  
## rastr16h32m51.04s NA  
## rastr16h37m08.52s NA  
## rastr16h37m15.57s NA  
## rastr16h48m01.92s NA  
## rastr16h49m42.24s NA  
## rastr16h53m29.58s NA  
## rastr16h53m43.59s NA  
## rastr16h55m04.52s NA  
## rastr16h55m08.37s NA  
## rastr16h56m31.32s NA  
## rastr16h57m52.96s NA  
## rastr16h58m08.72s NA  
## rastr17h02m36.59s NA  
## rastr17h04m27.94s NA  
## rastr17h04m31.03s NA  
## rastr17h05m23.13s NA  
## rastr17h06m26.57s NA  
## rastr17h07m04.95s NA  
## rastr17h09m34.34s NA  
## rastr17h09m41.01s NA  
## rastr17h10m04.97s NA  
## rastr17h11m15.89s NA  
## rastr17h12m23.20s NA  
## rastr17h15m19.54s NA  
## rastr17h16m00.49s NA  
## rastr17h16m04.14s NA  
## rastr17h17m03.52s NA  
## rastr17h17m40.40s NA  
## rastr17h19m00.25s NA  
## rastr17h19m37.23s NA  
## rastr17h19m51.35s NA  
## rastr17h20m27.88s NA  
## rastr17h20m34.16s NA  
## rastr17h22m08.74s NA  
## rastr17h24m50.07s NA  
## rastr17h25m45.49s NA  
## rastr17h28m40.81s NA  
## rastr17h30m10.77s NA  
## rastr17h33m21.49s NA  
## rastr17h35m01.94s NA  
## rastr17h35m13.73s NA  
## rastr17h35m35.05s NA  
## rastr17h36m25.00s NA  
## rastr17h37m02.65s NA  
## rastr17h37m03.12s NA  
## rastr17h37m05.64s NA  
## rastr17h37m08.97s NA  
## rastr17h37m54.36s NA  
## rastr17h38m59.20s NA  
## rastr17h41m58.22s NA  
## rastr17h44m08.68s NA  
## rastr17h49m08.37s NA  
## rastr17h50m33.72s NA  
## rastr17h50m38.38s NA  
## rastr17h51m28.26s NA  
## rastr17h52m06.99s NA  
## rastr17h53m13.04s NA  
## rastr17h53m40.35s NA  
## rastr17h55m33.77s NA  
## rastr17h59m01.58s NA  
## rastr18h00m38.73s NA  
## rastr18h01m31.22s NA  
## rastr18h01m46.60s NA  
## rastr18h02m31.31s NA  
## rastr18h03m06.89s NA  
## rastr18h05m17.80s NA  
## rastr18h05m21.52s NA  
## rastr18h05m22.66s NA  
## rastr18h05m35.50s NA  
## rastr18h05m57.44s NA  
## rastr18h06m09.04s NA  
## rastr18h09m04.09s NA  
## rastr18h10m31.83s NA  
## rastr18h13m59.73s NA  
## rastr18h15m32.35s NA  
## rastr18h16m49.63s NA  
## rastr18h16m53.12s NA  
## rastr18h17m29.58s NA  
## rastr18h17m37.33s NA  
## rastr18h18m48.30s NA  
## rastr18h18m58.42s NA  
## rastr18h20m03.84s NA  
## rastr18h21m49.76s NA  
## rastr18h22m39.41s NA  
## rastr18h25m59.40s NA  
## rastr18h27m14.41s NA  
## rastr18h27m49.48s NA  
## rastr18h29m10.93s NA  
## rastr18h29m54.74s NA  
## rastr18h30m24.28s NA  
## rastr18h31m00.24s NA  
## rastr18h31m46.47s NA  
## rastr18h32m15.45s NA  
## rastr18h33m28.53s NA  
## rastr18h33m33.43s NA  
## rastr18h33m59.00s NA  
## rastr18h34m05.92s NA  
## rastr18h34m31.62s NA  
## rastr18h34m43.64s NA  
## rastr18h34m45.20s NA  
## rastr18h34m47.82s NA  
## rastr18h35m19.06s NA  
## rastr18h35m36.50s NA  
## rastr18h36m53.07s NA  
## rastr18h37m02.99s NA  
## rastr18h37m25.95s NA  
## rastr18h38m20.21s NA  
## rastr18h39m00.12s NA  
## rastr18h39m07.84s NA  
## rastr18h39m19.62s NA  
## rastr18h40m49.59s NA  
## rastr18h40m59.88s NA  
## rastr18h41m02.01s NA  
## rastr18h41m15.56s NA  
## rastr18h42m02.80s NA  
## rastr18h42m31.12s NA  
## rastr18h42m33.94s NA  
## rastr18h42m40.11s NA  
## rastr18h42m44.95s NA  
## rastr18h42m45.82s NA  
## rastr18h42m50.06s NA  
## rastr18h43m08.80s NA  
## rastr18h43m10.37s NA  
## rastr18h43m12.36s NA  
## rastr18h43m17.61s NA  
## rastr18h43m36.14s NA  
## rastr18h43m42.28s NA  
## rastr18h44m11.81s NA  
## rastr18h44m12.08s NA  
## rastr18h44m17.41s NA  
## rastr18h44m26.82s NA  
## rastr18h44m26.95s NA  
## rastr18h44m42.32s NA  
## rastr18h44m46.74s NA  
## rastr18h45m07.13s NA  
## rastr18h45m09.15s NA  
## rastr18h45m10.99s NA  
## rastr18h45m11.65s NA  
## rastr18h45m17.42s NA  
## rastr18h45m23.70s NA  
## rastr18h45m49.73s NA  
## rastr18h45m55.79s NA  
## rastr18h46m14.75s NA  
## rastr18h46m16.80s NA  
## rastr18h46m19.87s NA  
## rastr18h46m22.59s NA  
## rastr18h46m32.09s NA  
## rastr18h46m34.97s NA  
## rastr18h46m35.43s NA  
## rastr18h46m39.11s NA  
## rastr18h46m46.57s NA  
## rastr18h47m03.92s NA  
## rastr18h47m19.54s NA  
## rastr18h47m20.48s NA  
## rastr18h47m35.36s NA  
## rastr18h47m35.59s NA  
## rastr18h47m39.75s NA  
## rastr18h47m50.54s NA  
## rastr18h47m53.10s NA  
## rastr18h48m01.12s NA  
## rastr18h48m08.00s NA  
## rastr18h48m08.52s NA  
## rastr18h48m14.71s NA  
## rastr18h48m24.04s NA  
## rastr18h48m26.72s NA  
## rastr18h48m28.28s NA  
## rastr18h48m32.54s NA  
## rastr18h48m33.73s NA  
## rastr18h48m44.57s NA  
## rastr18h48m48.03s NA  
## rastr18h48m51.13s NA  
## rastr18h48m55.80s NA  
## rastr18h48m56.83s NA  
## rastr18h48m57.53s NA  
## rastr18h49m00.03s NA  
## rastr18h49m12.30s NA  
## rastr18h49m19.88s NA  
## rastr18h49m20.53s NA  
## rastr18h49m27.25s NA  
## rastr18h49m28.94s NA  
## rastr18h49m30.61s NA  
## rastr18h49m34.07s NA  
## rastr18h49m34.73s NA  
## rastr18h49m41.51s NA  
## rastr18h49m45.39s NA  
## rastr18h49m48.17s NA  
## rastr18h49m50.52s NA  
## rastr18h49m52.36s NA  
## rastr18h49m58.14s NA  
## rastr18h50m31.11s NA  
## rastr18h50m31.53s NA  
## rastr18h50m37.77s NA  
## rastr18h50m47.87s NA  
## rastr18h50m47.97s NA  
## rastr18h50m53.79s NA  
## rastr18h51m08.84s NA  
## rastr18h51m10.86s NA  
## rastr18h51m26.37s NA  
## rastr18h51m27.15s NA  
## rastr18h51m42.00s NA  
## rastr18h51m46.93s NA  
## rastr18h51m49.66s NA  
## rastr18h51m51.89s NA  
## rastr18h51m53.64s NA  
## rastr18h51m54.97s NA  
## rastr18h51m56.07s NA  
## rastr18h51m59.41s NA  
## rastr18h51m59.94s NA  
## rastr18h52m00.70s NA  
## rastr18h52m05.48s NA  
## rastr18h52m09.56s NA  
## rastr18h52m16.48s NA  
## rastr18h52m24.92s NA  
## rastr18h52m27.30s NA  
## rastr18h52m29.02s NA  
## rastr18h52m31.11s NA  
## rastr18h52m31.66s NA  
## rastr18h52m32.51s NA  
## rastr18h52m36.25s NA  
## rastr18h52m38.85s NA  
## rastr18h52m44.31s NA  
## rastr18h52m46.10s NA  
## rastr18h52m49.68s NA  
## rastr18h52m50.20s NA  
## rastr18h52m50.78s NA  
## rastr18h52m53.12s NA  
## rastr18h53m00.85s NA  
## rastr18h53m01.32s NA  
## rastr18h53m01.63s NA  
## rastr18h53m01.82s NA  
## rastr18h53m03.48s NA  
## rastr18h53m05.90s NA  
## rastr18h53m10.09s NA  
## rastr18h53m13.31s NA  
## rastr18h53m15.93s NA  
## rastr18h53m20.64s NA  
## rastr18h53m21.67s NA  
## rastr18h53m22.69s NA  
## rastr18h53m22.95s NA  
## rastr18h53m28.42s NA  
## rastr18h53m29.97s NA  
## rastr18h53m43.00s NA  
## rastr18h53m44.58s NA  
## rastr18h53m48.77s NA  
## rastr18h53m52.63s NA  
## rastr18h53m54.76s NA  
## rastr18h53m59.94s NA  
## rastr18h54m01.16s NA  
## rastr18h54m01.73s NA  
## rastr18h54m07.91s NA  
## rastr18h54m10.61s NA  
## rastr18h54m15.69s NA  
## rastr18h54m17.81s NA  
## rastr18h54m21.01s NA  
## rastr18h54m23.22s NA  
## rastr18h54m25.27s NA  
## rastr18h54m30.78s NA  
## rastr18h54m31.39s NA  
## rastr18h54m50.58s NA  
## rastr18h54m52.22s NA  
## rastr18h54m55.61s NA  
## rastr18h54m57.77s NA  
## rastr18h54m57.94s NA  
## rastr18h54m58.98s NA  
## rastr18h55m01.15s NA  
## rastr18h55m03.37s NA  
## rastr18h55m04.93s NA  
## rastr18h55m08.90s NA  
## rastr18h55m11.47s NA  
## rastr18h55m14.29s NA  
## rastr18h55m19.93s NA  
## rastr18h55m22.82s NA  
## rastr18h55m27.45s NA  
## rastr18h55m27.83s NA  
## rastr18h55m27.94s NA  
## rastr18h55m32.45s NA  
## rastr18h55m35.86s NA  
## rastr18h55m35.91s NA  
## rastr18h55m40.81s NA  
## rastr18h55m40.88s NA  
## rastr18h55m44.83s NA  
## rastr18h55m46.18s NA  
## rastr18h55m54.60s NA  
## rastr18h55m55.90s NA  
## rastr18h55m56.72s NA  
## rastr18h55m58.82s NA  
## rastr18h56m07.77s NA  
## rastr18h56m10.14s NA  
## rastr18h56m13.60s NA  
## rastr18h56m14.22s NA  
## rastr18h56m14.67s NA  
## rastr18h56m22.70s NA  
## rastr18h56m23.38s NA  
## rastr18h56m25.88s NA  
## rastr18h56m31.91s NA  
## rastr18h56m43.98s NA  
## rastr18h56m50.32s NA  
## rastr18h56m52.67s NA  
## rastr18h56m53.60s NA  
## rastr18h57m00.33s NA  
## rastr18h57m01.74s NA  
## rastr18h57m05.74s NA  
## rastr18h57m08.92s NA  
## rastr18h57m11.05s NA  
## rastr18h57m11.26s NA  
## rastr18h57m18.84s NA  
## rastr18h57m22.25s NA  
## rastr18h57m24.25s NA  
## rastr18h57m32.68s NA  
## rastr18h57m34.63s NA  
## rastr18h57m35.94s NA  
## rastr18h57m38.39s NA  
## rastr18h57m39.76s NA  
## rastr18h57m41.46s NA  
## rastr18h57m43.30s NA  
## rastr18h57m43.32s NA  
## rastr18h57m44.03s NA  
## rastr18h57m46.54s NA  
## rastr18h57m50.27s NA  
## rastr18h57m53.34s NA  
## rastr18h57m54.40s NA  
## rastr18h57m54.83s NA  
## rastr18h57m55.78s NA  
## rastr18h57m57.68s NA  
## rastr18h57m59.93s NA  
## rastr18h58m02.45s NA  
## rastr18h58m05.09s NA  
## rastr18h58m07.70s NA  
## rastr18h58m13.39s NA  
## rastr18h58m15.77s NA  
## rastr18h58m16.07s NA  
## rastr18h58m19.82s NA  
## rastr18h58m20.60s NA  
## rastr18h58m22.48s NA  
## rastr18h58m25.49s NA  
## rastr18h58m27.77s NA  
## rastr18h58m27.89s NA  
## rastr18h58m32.45s NA  
## rastr18h58m37.91s NA  
## rastr18h58m42.09s NA  
## rastr18h58m42.54s NA  
## rastr18h58m45.32s NA  
## rastr18h58m49.65s NA  
## rastr18h58m55.59s NA  
## rastr18h58m57.39s NA  
## rastr18h58m59.49s NA  
## rastr18h59m01.16s NA  
## rastr18h59m06.74s NA  
## rastr18h59m09.19s NA  
## rastr18h59m18.73s NA  
## rastr18h59m21.23s NA  
## rastr18h59m23.17s NA  
## rastr18h59m26.43s NA  
## rastr18h59m29.13s NA  
## rastr18h59m36.74s NA  
## rastr18h59m37.37s NA  
## rastr18h59m38.53s NA  
## rastr18h59m40.66s NA  
## rastr18h59m41.27s NA  
## rastr18h59m42.86s NA  
## rastr18h59m45.86s NA  
## rastr18h59m51.13s NA  
## rastr18h59m52.44s NA  
## rastr18h59m53.40s NA  
## rastr18h59m54.73s NA  
## rastr18h59m56.49s NA  
## rastr18h59m59.69s NA  
## rastr18h59m59.92s NA  
## rastr19h00m00.81s NA  
## rastr19h00m03.15s NA  
## rastr19h00m04.12s NA  
## rastr19h00m08.65s NA  
## rastr19h00m09.99s NA  
## rastr19h00m13.70s NA  
## rastr19h00m15.57s NA  
## rastr19h00m20.77s NA  
## rastr19h00m23.16s NA  
## rastr19h00m25.01s NA  
## rastr19h00m26.52s NA  
## rastr19h00m28.73s NA  
## rastr19h00m29.28s NA  
## rastr19h00m34.25s NA  
## rastr19h00m35.19s NA  
## rastr19h00m37.63s NA  
## rastr19h00m40.10s NA  
## rastr19h00m40.40s NA  
## rastr19h00m41.60s NA  
## rastr19h00m42.28s NA  
## rastr19h00m43.89s NA  
## rastr19h00m44.74s NA  
## rastr19h00m45.59s NA  
## rastr19h00m49.78s NA  
## rastr19h00m52.00s NA  
## rastr19h00m52.74s NA  
## rastr19h00m53.07s NA  
## rastr19h00m55.79s NA  
## rastr19h00m57.80s NA  
## rastr19h00m59.22s NA  
## rastr19h01m00.90s NA  
## rastr19h01m04.45s NA  
## rastr19h01m06.33s NA  
## rastr19h01m08.08s NA  
## rastr19h01m08.81s NA  
## rastr19h01m10.06s NA  
## rastr19h01m10.96s NA  
## rastr19h01m11.10s NA  
## rastr19h01m14.68s NA  
## rastr19h01m15.32s NA  
## rastr19h01m19.36s NA  
## rastr19h01m19.56s NA  
## rastr19h01m23.00s NA  
## rastr19h01m23.27s NA  
## rastr19h01m23.32s NA  
## rastr19h01m23.77s NA  
## rastr19h01m24.02s NA  
## rastr19h01m27.90s NA  
## rastr19h01m27.98s NA  
## rastr19h01m29.25s NA  
## rastr19h01m32.97s NA  
## rastr19h01m33.91s NA  
## rastr19h01m37.19s NA  
## rastr19h01m38.56s NA  
## rastr19h01m40.70s NA  
## rastr19h01m41.80s NA  
## rastr19h01m44.51s NA  
## rastr19h01m45.39s NA  
## rastr19h01m54.01s NA  
## rastr19h01m54.36s NA  
## rastr19h01m56.41s NA  
## rastr19h01m59.83s NA  
## rastr19h02m03.11s NA  
## rastr19h02m04.05s NA  
## rastr19h02m13.15s NA  
## rastr19h02m13.80s NA  
## rastr19h02m13.87s NA  
## rastr19h02m17.76s NA  
## rastr19h02m17.83s NA  
## rastr19h02m24.62s NA  
## rastr19h02m27.71s NA  
## rastr19h02m28.17s NA  
## rastr19h02m30.84s NA  
## rastr19h02m37.40s NA  
## rastr19h02m38.81s NA  
## rastr19h02m39.04s NA  
## rastr19h02m40.12s NA  
## rastr19h02m41.50s NA  
## rastr19h02m41.70s NA  
## rastr19h02m43.03s NA  
## rastr19h02m45.58s NA  
## rastr19h02m46.07s NA  
## rastr19h02m48.86s NA  
## rastr19h02m50.88s NA  
## rastr19h02m51.24s NA  
## rastr19h02m52.19s NA  
## rastr19h02m52.46s NA  
## rastr19h02m52.98s NA  
## rastr19h02m53.46s NA  
## rastr19h02m54.83s NA  
## rastr19h02m57.53s NA  
## rastr19h03m00.37s NA  
## rastr19h03m00.49s NA  
## rastr19h03m05.74s NA  
## rastr19h03m09.78s NA  
## rastr19h03m11.34s NA  
## rastr19h03m11.88s NA  
## rastr19h03m12.77s NA  
## rastr19h03m17.37s NA  
## rastr19h03m19.32s NA  
## rastr19h03m24.89s NA  
## rastr19h03m28.64s NA  
## rastr19h03m33.22s NA  
## rastr19h03m35.84s NA  
## rastr19h03m38.78s NA  
## rastr19h03m42.90s NA  
## rastr19h03m43.38s NA  
## rastr19h03m52.30s NA  
## rastr19h03m52.49s NA  
## rastr19h03m59.98s NA  
## rastr19h04m00.72s NA  
## rastr19h04m01.18s NA  
## rastr19h04m01.62s NA  
## rastr19h04m03.79s NA  
## rastr19h04m05.77s NA  
## rastr19h04m06.05s NA  
## rastr19h04m06.27s NA  
## rastr19h04m09.81s NA  
## rastr19h04m11.31s NA  
## rastr19h04m12.59s NA  
## rastr19h04m18.04s NA  
## rastr19h04m18.98s NA  
## rastr19h04m26.47s NA  
## rastr19h04m27.70s NA  
## rastr19h04m28.46s NA  
## rastr19h04m30.12s NA  
## rastr19h04m31.37s NA  
## rastr19h04m36.03s NA  
## rastr19h04m38.91s NA  
## rastr19h04m40.93s NA  
## rastr19h04m53.01s NA  
## rastr19h04m53.57s NA  
## rastr19h04m53.91s NA  
## rastr19h04m58.43s NA  
## rastr19h04m59.32s NA  
## rastr19h04m59.96s NA  
## rastr19h05m00.38s NA  
## rastr19h05m01.06s NA  
## rastr19h05m05.20s NA  
## rastr19h05m05.21s NA  
## rastr19h05m05.74s NA  
## rastr19h05m08.33s NA  
## rastr19h05m08.62s NA  
## rastr19h05m19.22s NA  
## rastr19h05m20.73s NA  
## rastr19h05m21.25s NA  
## rastr19h05m22.63s NA  
## rastr19h05m25.93s NA  
## rastr19h05m26.21s NA  
## rastr19h05m26.41s NA  
## rastr19h05m26.77s NA  
## rastr19h05m28.02s NA  
## rastr19h05m28.20s NA  
## rastr19h05m29.24s NA  
## rastr19h05m30.24s NA  
## rastr19h05m30.79s NA  
## rastr19h05m32.86s NA  
## rastr19h05m35.66s NA  
## rastr19h05m36.56s NA  
## rastr19h05m38.41s NA  
## rastr19h05m44.09s NA  
## rastr19h05m48.67s NA  
## rastr19h05m53.15s NA  
## rastr19h05m55.74s NA  
## rastr19h05m56.07s NA  
## rastr19h05m57.71s NA  
## rastr19h06m05.92s NA  
## rastr19h06m06.84s NA  
## rastr19h06m09.61s NA  
## rastr19h06m10.48s NA  
## rastr19h06m12.25s NA  
## rastr19h06m13.92s NA  
## rastr19h06m15.77s NA  
## rastr19h06m17.94s NA  
## rastr19h06m18.24s NA  
## rastr19h06m19.35s NA  
## rastr19h06m19.97s NA  
## rastr19h06m20.50s NA  
## rastr19h06m22.62s NA  
## rastr19h06m25.00s NA  
## rastr19h06m26.13s NA  
## rastr19h06m27.28s NA  
## rastr19h06m30.18s NA  
## rastr19h06m31.22s NA  
## rastr19h06m33.21s NA  
## rastr19h06m35.14s NA  
## rastr19h06m39.07s NA  
## rastr19h06m41.16s NA  
## rastr19h06m44.51s NA  
## rastr19h06m45.50s NA  
## rastr19h06m46.84s NA  
## rastr19h06m50.57s NA  
## rastr19h06m51.76s NA  
## rastr19h06m52.01s NA  
## rastr19h06m52.22s NA  
## rastr19h06m57.12s NA  
## rastr19h06m58.04s NA  
## rastr19h06m59.65s NA  
## rastr19h07m00.66s NA  
## rastr19h07m14.05s NA  
## rastr19h07m16.66s NA  
## rastr19h07m24.65s NA  
## rastr19h07m27.69s NA  
## rastr19h07m32.94s NA  
## rastr19h07m34.08s NA  
## rastr19h07m40.12s NA  
## rastr19h07m41.80s NA  
## rastr19h07m46.88s NA  
## rastr19h07m47.94s NA  
## rastr19h07m50.02s NA  
## rastr19h07m51.33s NA  
## rastr19h07m52.03s NA  
## rastr19h07m53.09s NA  
## rastr19h07m53.13s NA  
## rastr19h07m59.87s NA  
## rastr19h08m02.19s NA  
## rastr19h08m09.48s NA  
## rastr19h08m12.41s NA  
## rastr19h08m13.07s NA  
## rastr19h08m13.70s NA  
## rastr19h08m15.94s NA  
## rastr19h08m20.71s NA  
## rastr19h08m20.99s NA  
## rastr19h08m21.60s NA  
## rastr19h08m22.56s NA  
## rastr19h08m24.25s NA  
## rastr19h08m31.26s NA  
## rastr19h08m31.34s NA  
## rastr19h08m32.39s NA  
## rastr19h08m33.75s NA  
## rastr19h08m34.28s NA  
## rastr19h08m37.01s NA  
## rastr19h08m49.39s NA  
## rastr19h08m52.49s NA  
## rastr19h08m56.56s NA  
## rastr19h08m57.88s NA  
## rastr19h08m58.23s NA  
## rastr19h09m01.60s NA  
## rastr19h09m03.17s NA  
## rastr19h09m05.43s NA  
## rastr19h09m08.46s NA  
## rastr19h09m10.19s NA  
## rastr19h09m10.90s NA  
## rastr19h09m11.47s NA  
## rastr19h09m12.67s NA  
## rastr19h09m13.90s NA  
## rastr19h09m18.37s NA  
## rastr19h09m19.85s NA  
## rastr19h09m22.96s NA  
## rastr19h09m23.27s NA  
## rastr19h09m26.71s NA  
## rastr19h09m26.87s NA  
## rastr19h09m27.10s NA  
## rastr19h09m27.38s NA  
## rastr19h09m28.66s NA  
## rastr19h09m29.12s NA  
## rastr19h09m31.71s NA  
## rastr19h09m33.91s NA  
## rastr19h09m34.09s NA  
## rastr19h09m36.72s NA  
## rastr19h09m37.26s NA  
## rastr19h09m38.40s NA  
## rastr19h09m45.35s NA  
## rastr19h09m46.59s NA  
## rastr19h09m48.66s NA  
## rastr19h09m51.85s NA  
## rastr19h09m53.08s NA  
## rastr19h09m54.60s NA  
## rastr19h09m54.63s NA  
## rastr19h09m54.88s NA  
## rastr19h09m56.26s NA  
## rastr19h10m00.27s NA  
## rastr19h10m05.29s NA  
## rastr19h10m06.36s NA  
## rastr19h10m07.11s NA  
## rastr19h10m08.39s NA  
## rastr19h10m08.59s NA  
## rastr19h10m15.51s NA  
## rastr19h10m16.72s NA  
## rastr19h10m17.08s NA  
## rastr19h10m20.38s NA  
## rastr19h10m21.66s NA  
## rastr19h10m22.37s NA  
## rastr19h10m25.12s NA  
## rastr19h10m25.37s NA  
## rastr19h10m25.96s NA  
## rastr19h10m29.00s NA  
## rastr19h10m32.51s NA  
## rastr19h10m36.86s NA  
## rastr19h10m37.20s NA  
## rastr19h10m37.74s NA  
## rastr19h10m39.20s NA  
## rastr19h10m47.52s NA  
## rastr19h10m49.66s NA  
## rastr19h10m57.02s NA  
## rastr19h11m03.04s NA  
## rastr19h11m03.51s NA  
## rastr19h11m05.66s NA  
## rastr19h11m07.39s NA  
## rastr19h11m09.69s NA  
## rastr19h11m10.52s NA  
## rastr19h11m11.58s NA  
## rastr19h11m13.33s NA  
## rastr19h11m13.73s NA  
## rastr19h11m18.35s NA  
## rastr19h11m21.22s NA  
## rastr19h11m25.68s NA  
## rastr19h11m25.88s NA  
## rastr19h11m25.91s NA  
## rastr19h11m28.18s NA  
## rastr19h11m31.05s NA  
## rastr19h11m32.94s NA  
## rastr19h11m33.98s NA  
## rastr19h11m35.31s NA  
## rastr19h11m37.46s NA  
## rastr19h11m39.91s NA  
## rastr19h11m40.31s NA  
## rastr19h11m44.92s NA  
## rastr19h11m46.94s NA  
## rastr19h11m49.58s NA  
## rastr19h11m52.34s NA  
## rastr19h11m54.11s NA  
## rastr19h11m54.17s NA  
## rastr19h11m59.49s NA  
## rastr19h12m01.94s NA  
## rastr19h12m02.86s NA  
## rastr19h12m07.13s NA  
## rastr19h12m14.21s NA  
## rastr19h12m18.34s NA  
## rastr19h12m22.94s NA  
## rastr19h12m27.85s NA  
## rastr19h12m29.02s NA  
## rastr19h12m32.08s NA  
## rastr19h12m33.19s NA  
## rastr19h12m34.74s NA  
## rastr19h12m36.95s NA  
## rastr19h12m37.60s NA  
## rastr19h12m38.99s NA  
## rastr19h12m39.35s NA  
## rastr19h12m39.52s NA  
## rastr19h12m49.82s NA  
## rastr19h12m50.87s NA  
## rastr19h12m55.35s NA  
## rastr19h12m55.62s NA  
## rastr19h12m55.85s NA  
## rastr19h12m56.18s NA  
## rastr19h12m56.80s NA  
## rastr19h12m58.50s NA  
## rastr19h13m00.15s NA  
## rastr19h13m01.10s NA  
## rastr19h13m07.34s NA  
## rastr19h13m12.51s NA  
## rastr19h13m14.09s NA  
## rastr19h13m16.90s NA  
## rastr19h13m18.69s NA  
## rastr19h13m28.85s NA  
## rastr19h13m29.40s NA  
## rastr19h13m34.87s NA  
## rastr19h13m35.27s NA  
## rastr19h13m36.20s NA  
## rastr19h13m39.96s NA  
## rastr19h13m40.00s NA  
## rastr19h13m40.24s NA  
## rastr19h13m41.09s NA  
## rastr19h13m44.06s NA  
## rastr19h13m44.57s NA  
## rastr19h13m47.38s NA  
## rastr19h13m48.14s NA  
## rastr19h13m49.47s NA  
## rastr19h13m51.76s NA  
## rastr19h13m52.59s NA  
## rastr19h13m53.16s NA  
## rastr19h13m53.98s NA  
## rastr19h13m55.11s NA  
## rastr19h13m58.99s NA  
## rastr19h14m02.40s NA  
## rastr19h14m02.56s NA  
## rastr19h14m03.64s NA  
## rastr19h14m07.41s NA  
## rastr19h14m09.25s NA  
## rastr19h14m09.29s NA  
## rastr19h14m11.85s NA  
## rastr19h14m14.79s NA  
## rastr19h14m17.66s NA  
## rastr19h14m17.86s NA  
## rastr19h14m19.56s NA  
## rastr19h14m20.15s NA  
## rastr19h14m21.19s NA  
## rastr19h14m23.30s NA  
## rastr19h14m26.52s NA  
## rastr19h14m28.29s NA  
## rastr19h14m34.21s NA  
## rastr19h14m35.10s NA  
## rastr19h14m38.60s NA  
## rastr19h14m38.78s NA  
## rastr19h14m39.48s NA  
## rastr19h14m40.55s NA  
## rastr19h14m40.96s NA  
## rastr19h14m41.28s NA  
## rastr19h14m45.29s NA  
## rastr19h14m46.79s NA  
## rastr19h14m47.68s NA  
## rastr19h14m50.27s NA  
## rastr19h14m56.17s NA  
## rastr19h14m57.35s NA  
## rastr19h15m00.00s NA  
## rastr19h15m00.17s NA  
## rastr19h15m01.18s NA  
## rastr19h15m01.20s NA  
## rastr19h15m04.08s NA  
## rastr19h15m05.04s NA  
## rastr19h15m05.24s NA  
## rastr19h15m10.34s NA  
## rastr19h15m14.82s NA  
## rastr19h15m14.87s NA  
## rastr19h15m16.95s NA  
## rastr19h15m17.50s NA  
## rastr19h15m19.54s NA  
## rastr19h15m20.15s NA  
## rastr19h15m21.43s NA  
## rastr19h15m23.73s NA  
## rastr19h15m25.27s NA  
## rastr19h15m28.38s NA  
## rastr19h15m29.86s NA  
## rastr19h15m32.03s NA  
## rastr19h15m32.78s NA  
## rastr19h15m33.36s NA  
## rastr19h15m39.94s NA  
## rastr19h15m41.21s NA  
## rastr19h15m41.78s NA  
## rastr19h15m49.33s NA  
## rastr19h15m50.70s NA  
## rastr19h15m53.19s NA  
## rastr19h15m56.29s NA  
## rastr19h15m58.21s NA  
## rastr19h15m58.60s NA  
## rastr19h16m00.23s NA  
## rastr19h16m04.83s NA  
## rastr19h16m07.13s NA  
## rastr19h16m07.93s NA  
## rastr19h16m10.14s NA  
## rastr19h16m15.43s NA  
## rastr19h16m15.55s NA  
## rastr19h16m16.01s NA  
## rastr19h16m17.30s NA  
## rastr19h16m17.75s NA  
## rastr19h16m18.20s NA  
## rastr19h16m18.61s NA  
## rastr19h16m20.07s NA  
## rastr19h16m20.65s NA  
## rastr19h16m23.24s NA  
## rastr19h16m25.00s NA  
## rastr19h16m26.93s NA  
## rastr19h16m32.31s NA  
## rastr19h16m34.24s NA  
## rastr19h16m35.32s NA  
## rastr19h16m35.65s NA  
## rastr19h16m43.84s NA  
## rastr19h16m44.80s NA  
## rastr19h16m46.22s NA  
## rastr19h16m46.90s NA  
## rastr19h16m47.90s NA  
## rastr19h16m48.58s NA  
## rastr19h16m52.13s NA  
## rastr19h16m52.85s NA  
## rastr19h16m54.31s NA  
## rastr19h16m54.66s NA  
## rastr19h16m56.01s NA  
## rastr19h16m59.74s NA  
## rastr19h17m04.50s NA  
## rastr19h17m05.88s NA  
## rastr19h17m09.56s NA  
## rastr19h17m09.77s NA  
## rastr19h17m11.09s NA  
## rastr19h17m11.38s NA  
## rastr19h17m14.77s NA  
## rastr19h17m15.44s NA  
## rastr19h17m15.71s NA  
## rastr19h17m21.95s NA  
## rastr19h17m23.37s NA  
## rastr19h17m24.49s NA  
## rastr19h17m26.08s NA  
## rastr19h17m27.46s NA  
## rastr19h17m30.37s NA  
## rastr19h17m30.48s NA  
## rastr19h17m32.04s NA  
## rastr19h17m33.12s NA  
## rastr19h17m34.69s NA  
## rastr19h17m35.94s NA  
## rastr19h17m36.18s NA  
## rastr19h17m37.61s NA  
## rastr19h17m38.65s NA  
## rastr19h17m40.30s NA  
## rastr19h17m41.77s NA  
## rastr19h17m41.90s NA  
## rastr19h17m43.62s NA  
## rastr19h17m44.32s NA  
## rastr19h17m45.15s NA  
## rastr19h17m45.36s NA  
## rastr19h17m45.97s NA  
## rastr19h17m46.74s NA  
## rastr19h17m55.01s NA  
## rastr19h17m56.60s NA  
## rastr19h18m00.16s NA  
## rastr19h18m01.53s NA  
## rastr19h18m02.05s NA  
## rastr19h18m05.09s NA  
## rastr19h18m09.32s NA  
## rastr19h18m11.62s NA  
## rastr19h18m12.72s NA  
## rastr19h18m12.78s NA  
## rastr19h18m16.45s NA  
## rastr19h18m22.34s NA  
## rastr19h18m22.74s NA  
## rastr19h18m24.92s NA  
## rastr19h18m25.91s NA  
## rastr19h18m30.05s NA  
## rastr19h18m34.42s NA  
## rastr19h18m36.30s NA  
## rastr19h18m39.45s NA  
## rastr19h18m39.58s NA  
## rastr19h18m42.86s NA  
## rastr19h18m43.04s NA  
## rastr19h18m44.82s NA  
## rastr19h18m47.41s NA  
## rastr19h18m50.88s NA  
## rastr19h18m55.61s NA  
## rastr19h18m58.28s NA  
## rastr19h18m59.36s NA  
## rastr19h19m00.68s NA  
## rastr19h19m05.58s NA  
## rastr19h19m06.41s NA  
## rastr19h19m07.33s NA  
## rastr19h19m08.68s NA  
## rastr19h19m10.02s NA  
## rastr19h19m16.66s NA  
## rastr19h19m17.75s NA  
## rastr19h19m18.90s NA  
## rastr19h19m19.23s NA  
## rastr19h19m19.50s NA  
## rastr19h19m20.50s NA  
## rastr19h19m22.30s NA  
## rastr19h19m22.38s NA  
## rastr19h19m26.14s NA  
## rastr19h19m26.18s NA  
## rastr19h19m26.77s NA  
## rastr19h19m28.71s NA  
## rastr19h19m28.98s NA  
## rastr19h19m30.00s NA  
## rastr19h19m31.34s NA  
## rastr19h19m32.26s NA  
## rastr19h19m40.46s NA  
## rastr19h19m40.96s NA  
## rastr19h19m41.14s NA  
## rastr19h19m43.41s NA  
## rastr19h19m49.55s NA  
## rastr19h19m55.04s NA  
## rastr19h19m59.97s NA  
## rastr19h20m00.10s NA  
## rastr19h20m01.82s NA  
## rastr19h20m06.21s NA  
## rastr19h20m07.32s NA  
## rastr19h20m10.39s NA  
## rastr19h20m10.52s NA  
## rastr19h20m12.28s NA  
## rastr19h20m14.52s NA  
## rastr19h20m16.32s NA  
## rastr19h20m19.86s NA  
## rastr19h20m20.34s NA  
## rastr19h20m21.79s NA  
## rastr19h20m23.53s NA  
## rastr19h20m24.48s NA  
## rastr19h20m25.57s NA  
## rastr19h20m25.73s NA  
## rastr19h20m28.70s NA  
## rastr19h20m29.33s NA  
## rastr19h20m31.54s NA  
## rastr19h20m34.64s NA  
## rastr19h20m35.17s NA  
## rastr19h20m35.97s NA  
## rastr19h20m37.53s NA  
## rastr19h20m39.68s NA  
## rastr19h20m41.75s NA  
## rastr19h20m42.28s NA  
## rastr19h20m48.37s NA  
## rastr19h20m51.64s NA  
## rastr19h20m52.01s NA  
## rastr19h20m56.61s NA  
## rastr19h20m57.03s NA  
## rastr19h20m59.29s NA  
## rastr19h20m59.54s NA  
## rastr19h21m03.19s NA  
## rastr19h21m03.64s NA  
## rastr19h21m04.18s NA  
## rastr19h21m04.93s NA  
## rastr19h21m07.12s NA  
## rastr19h21m09.23s NA  
## rastr19h21m10.70s NA  
## rastr19h21m11.14s NA  
## rastr19h21m17.45s NA  
## rastr19h21m18.35s NA  
## rastr19h21m18.54s NA  
## rastr19h21m18.87s NA  
## rastr19h21m20.07s NA  
## rastr19h21m23.64s NA  
## rastr19h21m25.91s NA  
## rastr19h21m25.96s NA  
## rastr19h21m30.32s NA  
## rastr19h21m31.54s NA  
## rastr19h21m34.24s NA  
## rastr19h21m34.36s NA  
## rastr19h21m35.10s NA  
## rastr19h21m36.36s NA  
## rastr19h21m38.90s NA  
## rastr19h21m39.18s NA  
## rastr19h21m41.03s NA  
## rastr19h21m44.20s NA  
## rastr19h21m45.03s NA  
## rastr19h21m45.75s NA  
## rastr19h21m47.83s NA  
## rastr19h21m50.83s NA  
## rastr19h21m51.62s NA  
## rastr19h21m53.15s NA  
## rastr19h21m53.88s NA  
## rastr19h21m54.58s NA  
## rastr19h21m55.18s NA  
## rastr19h21m56.83s NA  
## rastr19h21m58.36s NA  
## rastr19h21m58.82s NA  
## rastr19h21m59.98s NA  
## rastr19h22m00.86s NA  
## rastr19h22m02.47s NA  
## rastr19h22m02.51s NA  
## rastr19h22m03.95s NA  
## rastr19h22m07.08s NA  
## rastr19h22m10.48s NA  
## rastr19h22m11.64s NA  
## rastr19h22m12.47s NA  
## rastr19h22m12.57s NA  
## rastr19h22m14.27s NA  
## rastr19h22m15.92s NA  
## rastr19h22m18.41s NA  
## rastr19h22m19.62s NA  
## rastr19h22m20.67s NA  
## rastr19h22m20.83s NA  
## rastr19h22m21.69s NA  
## rastr19h22m22.11s NA  
## rastr19h22m24.27s NA  
## rastr19h22m25.91s NA  
## rastr19h22m28.29s NA  
## rastr19h22m29.25s NA  
## rastr19h22m30.00s NA  
## rastr19h22m31.99s NA  
## rastr19h22m32.76s NA  
## rastr19h22m38.01s NA  
## rastr19h22m39.38s NA  
## rastr19h22m40.44s NA  
## rastr19h22m41.55s NA  
## rastr19h22m42.28s NA  
## rastr19h22m43.73s NA  
## rastr19h22m44.45s NA  
## rastr19h22m46.51s NA  
## rastr19h22m49.98s NA  
## rastr19h22m53.09s NA  
## rastr19h22m54.89s NA  
## rastr19h22m55.20s NA  
## rastr19h22m56.44s NA  
## rastr19h22m58.63s NA  
## rastr19h22m59.45s NA  
## rastr19h23m03.83s NA  
## rastr19h23m08.58s NA  
## rastr19h23m14.44s NA  
## rastr19h23m17.81s NA  
## rastr19h23m18.20s NA  
## rastr19h23m19.98s NA  
## rastr19h23m23.78s NA  
## rastr19h23m24.43s NA  
## rastr19h23m24.99s NA  
## rastr19h23m28.23s NA  
## rastr19h23m28.92s NA  
## rastr19h23m29.14s NA  
## rastr19h23m29.35s NA  
## rastr19h23m32.31s NA  
## rastr19h23m33.19s NA  
## rastr19h23m33.46s NA  
## rastr19h23m39.47s NA  
## rastr19h23m40.64s NA  
## rastr19h23m42.54s NA  
## rastr19h23m42.58s NA  
## rastr19h23m44.22s NA  
## rastr19h23m46.67s NA  
## rastr19h23m47.98s NA  
## rastr19h23m48.87s NA  
## rastr19h23m49.55s NA  
## rastr19h23m49.83s NA  
## rastr19h23m49.90s NA  
## rastr19h23m51.89s NA  
## rastr19h23m53.63s NA  
## rastr19h23m53.74s NA  
## rastr19h23m55.02s NA  
## rastr19h23m56.01s NA  
## rastr19h23m57.42s NA  
## rastr19h23m58.00s NA  
## rastr19h23m58.85s NA  
## rastr19h23m58.89s NA  
## rastr19h24m04.56s NA  
## rastr19h24m04.84s NA  
## rastr19h24m04.96s NA  
## rastr19h24m05.25s NA  
## rastr19h24m06.87s NA  
## rastr19h24m07.65s NA  
## rastr19h24m07.75s NA  
## rastr19h24m08.07s NA  
## rastr19h24m11.98s NA  
## rastr19h24m13.71s NA  
## rastr19h24m14.89s NA  
## rastr19h24m15.09s NA  
## rastr19h24m15.28s NA  
## rastr19h24m17.92s NA  
## rastr19h24m19.23s NA  
## rastr19h24m20.10s NA  
## rastr19h24m22.17s NA  
## rastr19h24m22.24s NA  
## rastr19h24m23.33s NA  
## rastr19h24m26.85s NA  
## rastr19h24m33.03s NA  
## rastr19h24m33.23s NA  
## rastr19h24m34.84s NA  
## rastr19h24m35.54s NA  
## rastr19h24m35.89s NA  
## rastr19h24m36.67s NA  
## rastr19h24m38.10s NA  
## rastr19h24m38.25s NA  
## rastr19h24m38.97s NA  
## rastr19h24m39.45s NA  
## rastr19h24m40.67s NA  
## rastr19h24m41.59s NA  
## rastr19h24m44.00s NA  
## rastr19h24m44.39s NA  
## rastr19h24m46.82s NA  
## rastr19h24m47.35s NA  
## rastr19h24m47.71s NA  
## rastr19h24m48.30s NA  
## rastr19h24m49.01s NA  
## rastr19h24m53.08s NA  
## rastr19h24m53.85s NA  
## rastr19h24m54.02s NA  
## rastr19h24m58.31s NA  
## rastr19h24m58.83s NA  
## rastr19h25m00.04s NA  
## rastr19h25m00.07s NA  
## rastr19h25m01.06s NA  
## rastr19h25m01.35s NA  
## rastr19h25m01.49s NA  
## rastr19h25m04.34s NA  
## rastr19h25m04.74s NA  
## rastr19h25m06.95s NA  
## rastr19h25m07.69s NA  
## rastr19h25m08.97s NA  
## rastr19h25m12.51s NA  
## rastr19h25m22.23s NA  
## rastr19h25m23.99s NA  
## rastr19h25m25.11s NA  
## rastr19h25m27.54s NA  
## rastr19h25m31.75s NA  
## rastr19h25m32.67s NA  
## rastr19h25m33.06s NA  
## rastr19h25m33.73s NA  
## rastr19h25m33.80s NA  
## rastr19h25m35.48s NA  
## rastr19h25m35.85s NA  
## rastr19h25m37.33s NA  
## rastr19h25m37.90s NA  
## rastr19h25m38.27s NA  
## rastr19h25m40.35s NA  
## rastr19h25m40.47s NA  
## rastr19h25m41.66s NA  
## rastr19h25m43.54s NA  
## rastr19h25m43.99s NA  
## rastr19h25m45.59s NA  
## rastr19h25m52.19s NA  
## rastr19h25m52.52s NA  
## rastr19h25m53.82s NA  
## rastr19h25m54.89s NA  
## rastr19h25m58.70s NA  
## rastr19h25m59.87s NA  
## rastr19h26m01.45s NA  
## rastr19h26m01.93s NA  
## rastr19h26m03.89s NA  
## rastr19h26m08.26s NA  
## rastr19h26m11.54s NA  
## rastr19h26m11.86s NA  
## rastr19h26m13.07s NA  
## rastr19h26m13.67s NA  
## rastr19h26m17.80s NA  
## rastr19h26m18.92s NA  
## rastr19h26m19.00s NA  
## rastr19h26m20.46s NA  
## rastr19h26m21.26s NA  
## rastr19h26m22.60s NA  
## rastr19h26m22.89s NA  
## rastr19h26m25.08s NA  
## rastr19h26m25.61s NA  
## rastr19h26m25.71s NA  
## rastr19h26m26.85s NA  
## rastr19h26m29.37s NA  
## rastr19h26m30.91s NA  
## rastr19h26m32.32s NA  
## rastr19h26m33.36s NA  
## rastr19h26m33.82s NA  
## rastr19h26m35.10s NA  
## rastr19h26m35.23s NA  
## rastr19h26m36.76s NA  
## rastr19h26m36.85s NA  
## rastr19h26m37.87s NA  
## rastr19h26m38.27s NA  
## rastr19h26m40.64s NA  
## rastr19h26m42.14s NA  
## rastr19h26m42.45s NA  
## rastr19h26m43.99s NA  
## rastr19h26m46.19s NA  
## rastr19h26m47.88s NA  
## rastr19h26m50.76s NA  
## rastr19h26m52.15s NA  
## rastr19h26m53.28s NA  
## rastr19h26m54.29s NA  
## rastr19h26m57.98s NA  
## rastr19h26m59.62s NA  
## rastr19h27m05.18s NA  
## rastr19h27m06.49s NA  
## rastr19h27m13.94s NA  
## rastr19h27m15.12s NA  
## rastr19h27m17.65s NA  
## rastr19h27m20.24s NA  
## rastr19h27m21.92s NA  
## rastr19h27m22.06s NA  
## rastr19h27m23.48s NA  
## rastr19h27m23.56s NA  
## rastr19h27m27.12s NA  
## rastr19h27m27.58s NA  
## rastr19h27m29.12s NA  
## rastr19h27m31.20s NA  
## rastr19h27m31.50s NA  
## rastr19h27m32.72s NA  
## rastr19h27m36.78s NA  
## rastr19h27m37.68s NA  
## rastr19h27m39.06s NA  
## rastr19h27m39.11s NA  
## rastr19h27m40.59s NA  
## rastr19h27m41.41s NA  
## rastr19h27m42.23s NA  
## rastr19h27m44.08s NA  
## rastr19h27m44.23s NA  
## rastr19h27m44.68s NA  
## rastr19h27m48.25s NA  
## rastr19h27m48.45s NA  
## rastr19h27m50.40s NA  
## rastr19h27m50.56s NA  
## rastr19h27m51.39s NA  
## rastr19h27m53.14s NA  
## rastr19h27m54.28s NA  
## rastr19h27m59.95s NA  
## rastr19h28m00.49s NA  
## rastr19h28m01.64s NA  
## rastr19h28m03.23s NA  
## rastr19h28m04.90s NA  
## rastr19h28m08.01s NA  
## rastr19h28m10.65s NA  
## rastr19h28m10.71s NA  
## rastr19h28m13.27s NA  
## rastr19h28m19.65s NA  
## rastr19h28m20.35s NA  
## rastr19h28m20.98s NA  
## rastr19h28m24.55s NA  
## rastr19h28m25.01s NA  
## rastr19h28m25.27s NA  
## rastr19h28m27.63s NA  
## rastr19h28m30.02s NA  
## rastr19h28m31.89s NA  
## rastr19h28m32.96s NA  
## rastr19h28m34.69s NA  
## rastr19h28m36.11s NA  
## rastr19h28m38.08s NA  
## rastr19h28m39.07s NA  
## rastr19h28m40.45s NA  
## rastr19h28m41.06s NA  
## rastr19h28m41.08s NA  
## rastr19h28m43.24s NA  
## rastr19h28m44.84s NA  
## rastr19h28m46.56s NA  
## rastr19h28m47.92s NA  
## rastr19h28m49.12s NA  
## rastr19h28m51.59s NA  
## rastr19h28m52.70s NA  
## rastr19h28m52.87s NA  
## rastr19h28m55.78s NA  
## rastr19h28m56.14s NA  
## rastr19h28m56.38s NA  
## rastr19h28m56.82s NA  
## rastr19h28m59.33s NA  
## rastr19h28m59.47s NA  
## rastr19h28m59.77s NA  
## rastr19h29m00.61s NA  
## rastr19h29m01.10s NA  
## rastr19h29m03.09s NA  
## rastr19h29m04.36s NA  
## rastr19h29m06.26s NA  
## rastr19h29m08.67s NA  
## rastr19h29m08.80s NA  
## rastr19h29m08.95s NA  
## rastr19h29m09.75s NA  
## rastr19h29m09.84s NA  
## rastr19h29m10.68s NA  
## rastr19h29m12.29s NA  
## rastr19h29m13.78s NA  
## rastr19h29m15.62s NA  
## rastr19h29m15.84s NA  
## rastr19h29m17.16s NA  
## rastr19h29m18.36s NA  
## rastr19h29m18.86s NA  
## rastr19h29m19.29s NA  
## rastr19h29m21.00s NA  
## rastr19h29m24.36s NA  
## rastr19h29m24.95s NA  
## rastr19h29m28.70s NA  
## rastr19h29m30.26s NA  
## rastr19h29m33.26s NA  
## rastr19h29m34.89s NA  
## rastr19h29m40.14s NA  
## rastr19h29m41.06s NA  
## rastr19h29m41.47s NA  
## rastr19h29m42.57s NA  
## rastr19h29m42.60s NA  
## rastr19h29m42.62s NA  
## rastr19h29m45.67s NA  
## rastr19h29m47.08s NA  
## rastr19h29m50.12s NA  
## rastr19h29m51.31s NA  
## rastr19h29m51.42s NA  
## rastr19h29m52.75s NA  
## rastr19h29m54.71s NA  
## rastr19h29m54.79s NA  
## rastr19h29m55.13s NA  
## rastr19h29m56.88s NA  
## rastr19h29m59.91s NA  
## rastr19h30m00.71s NA  
## rastr19h30m00.82s NA  
## rastr19h30m03.38s NA  
## rastr19h30m03.53s NA  
## rastr19h30m07.33s NA  
## rastr19h30m07.40s NA  
## rastr19h30m10.97s NA  
## rastr19h30m11.39s NA  
## rastr19h30m17.60s NA  
## rastr19h30m18.50s NA  
## rastr19h30m18.68s NA  
## rastr19h30m19.17s NA  
## rastr19h30m19.30s NA  
## rastr19h30m20.26s NA  
## rastr19h30m21.07s NA  
## rastr19h30m21.99s NA  
## rastr19h30m27.39s NA  
## rastr19h30m27.60s NA  
## rastr19h30m30.60s NA  
## rastr19h30m34.15s NA  
## rastr19h30m38.01s NA  
## rastr19h30m38.05s NA  
## rastr19h30m41.39s NA  
## rastr19h30m42.66s NA  
## rastr19h30m42.73s NA  
## rastr19h30m44.23s NA  
## rastr19h30m45.69s NA  
## rastr19h30m45.70s NA  
## rastr19h30m51.14s NA  
## rastr19h30m51.48s NA  
## rastr19h30m57.04s NA  
## rastr19h31m01.75s NA  
## rastr19h31m04.80s NA  
## rastr19h31m05.63s NA  
## rastr19h31m08.30s NA  
## rastr19h31m14.06s NA  
## rastr19h31m19.72s NA  
## rastr19h31m21.63s NA  
## rastr19h31m25.37s NA  
## rastr19h31m28.76s NA  
## rastr19h31m29.34s NA  
## rastr19h31m29.50s NA  
## rastr19h31m29.61s NA  
## rastr19h31m32.46s NA  
## rastr19h31m36.39s NA  
## rastr19h31m39.15s NA  
## rastr19h31m41.47s NA  
## rastr19h31m43.00s NA  
## rastr19h31m45.55s NA  
## rastr19h31m49.26s NA  
## rastr19h31m49.99s NA  
## rastr19h31m51.72s NA  
## rastr19h31m53.11s NA  
## rastr19h31m57.20s NA  
## rastr19h32m04.23s NA  
## rastr19h32m04.37s NA  
## rastr19h32m09.06s NA  
## rastr19h32m13.73s NA  
## rastr19h32m13.92s NA  
## rastr19h32m14.72s NA  
## rastr19h32m15.20s NA  
## rastr19h32m16.94s NA  
## rastr19h32m19.07s NA  
## rastr19h32m20.27s NA  
## rastr19h32m20.31s NA  
## rastr19h32m22.21s NA  
## rastr19h32m22.57s NA  
## rastr19h32m29.63s NA  
## rastr19h32m30.56s NA  
## rastr19h32m31.48s NA  
## rastr19h32m34.66s NA  
## rastr19h32m35.18s NA  
## rastr19h32m36.18s NA  
## rastr19h32m38.42s NA  
## rastr19h32m39.60s NA  
## rastr19h32m41.12s NA  
## rastr19h32m43.27s NA  
## rastr19h32m44.28s NA  
## rastr19h32m46.89s NA  
## rastr19h32m48.14s NA  
## rastr19h32m49.08s NA  
## rastr19h32m51.24s NA  
## rastr19h32m52.17s NA  
## rastr19h32m55.20s NA  
## rastr19h32m55.26s NA  
## rastr19h33m00.99s NA  
## rastr19h33m02.62s NA  
## rastr19h33m02.98s NA  
## rastr19h33m07.57s NA  
## rastr19h33m07.74s NA  
## rastr19h33m08.79s NA  
## rastr19h33m09.13s NA  
## rastr19h33m09.19s NA  
## rastr19h33m10.47s NA  
## rastr19h33m11.61s NA  
## rastr19h33m12.07s NA  
## rastr19h33m14.81s NA  
## rastr19h33m16.39s NA  
## rastr19h33m17.38s NA  
## rastr19h33m22.80s NA  
## rastr19h33m24.41s NA  
## rastr19h33m27.08s NA  
## rastr19h33m29.33s NA  
## rastr19h33m42.50s NA  
## rastr19h33m47.14s NA  
## rastr19h33m49.16s NA  
## rastr19h33m52.56s NA  
## rastr19h33m52.82s NA  
## rastr19h33m59.18s NA  
## rastr19h34m00.12s NA  
## rastr19h34m02.69s NA  
## rastr19h34m04.76s NA  
## rastr19h34m06.62s NA  
## rastr19h34m07.39s NA  
## rastr19h34m10.14s NA  
## rastr19h34m16.37s NA  
## rastr19h34m17.73s NA  
## rastr19h34m18.67s NA  
## rastr19h34m19.41s NA  
## rastr19h34m19.84s NA  
## rastr19h34m20.73s NA  
## rastr19h34m22.99s NA  
## rastr19h34m24.31s NA  
## rastr19h34m26.02s NA  
## rastr19h34m27.30s NA  
## rastr19h34m28.63s NA  
## rastr19h34m29.53s NA  
## rastr19h34m30.25s NA  
## rastr19h34m31.14s NA  
## rastr19h34m32.87s NA  
## rastr19h34m33.43s NA  
## rastr19h34m34.59s NA  
## rastr19h34m40.91s NA  
## rastr19h34m41.84s NA  
## rastr19h34m42.12s NA  
## rastr19h34m42.35s NA  
## rastr19h34m43.01s NA  
## rastr19h34m43.66s NA  
## rastr19h34m44.57s NA  
## rastr19h34m50.02s NA  
## rastr19h34m50.74s NA  
## rastr19h34m51.95s NA  
## rastr19h34m52.59s NA  
## rastr19h34m54.19s NA  
## rastr19h34m54.52s NA  
## rastr19h34m54.74s NA  
## rastr19h34m55.87s NA  
## rastr19h34m58.07s NA  
## rastr19h34m58.37s NA  
## rastr19h34m58.54s NA  
## rastr19h34m59.31s NA  
## rastr19h35m01.99s NA  
## rastr19h35m04.17s NA  
## rastr19h35m10.47s NA  
## rastr19h35m11.25s NA  
## rastr19h35m13.08s NA  
## rastr19h35m15.95s NA  
## rastr19h35m17.12s NA  
## rastr19h35m17.80s NA  
## rastr19h35m18.39s NA  
## rastr19h35m20.03s NA  
## rastr19h35m20.29s NA  
## rastr19h35m24.15s NA  
## rastr19h35m27.75s NA  
## rastr19h35m29.26s NA  
## rastr19h35m29.68s NA  
## rastr19h35m30.74s NA  
## rastr19h35m31.18s NA  
## rastr19h35m31.53s NA  
## rastr19h35m31.62s NA  
## rastr19h35m31.90s NA  
## rastr19h35m32.49s NA  
## rastr19h35m33.65s NA  
## rastr19h35m36.14s NA  
## rastr19h35m43.14s NA  
## rastr19h35m44.04s NA  
## rastr19h35m45.90s NA  
## rastr19h35m47.43s NA  
## rastr19h35m53.61s NA  
## rastr19h35m53.74s NA  
## rastr19h35m55.57s NA  
## rastr19h35m56.06s NA  
## rastr19h35m56.41s NA  
## rastr19h35m57.28s NA  
## rastr19h36m01.30s NA  
## rastr19h36m02.26s NA  
## rastr19h36m05.53s NA  
## rastr19h36m06.98s NA  
## rastr19h36m10.42s NA  
## rastr19h36m13.82s NA  
## rastr19h36m16.42s NA  
## rastr19h36m19.85s NA  
## rastr19h36m19.94s NA  
## rastr19h36m20.14s NA  
## rastr19h36m24.93s NA  
## rastr19h36m25.96s NA  
## rastr19h36m26.58s NA  
## rastr19h36m27.13s NA  
## rastr19h36m27.76s NA  
## rastr19h36m29.16s NA  
## rastr19h36m33.09s NA  
## rastr19h36m35.92s NA  
## rastr19h36m36.65s NA  
## rastr19h36m36.80s NA  
## rastr19h36m39.16s NA  
## rastr19h36m40.52s NA  
## rastr19h36m41.06s NA  
## rastr19h36m45.40s NA  
## rastr19h36m46.11s NA  
## rastr19h36m48.49s NA  
## rastr19h36m52.54s NA  
## rastr19h36m53.87s NA  
## rastr19h36m56.97s NA  
## rastr19h36m57.91s NA  
## rastr19h37m03.78s NA  
## rastr19h37m03.92s NA  
## rastr19h37m06.54s NA  
## rastr19h37m07.43s NA  
## rastr19h37m09.63s NA  
## rastr19h37m10.68s NA  
## rastr19h37m11.70s NA  
## rastr19h37m13.64s NA  
## rastr19h37m16.06s NA  
## rastr19h37m18.14s NA  
## rastr19h37m18.30s NA  
## rastr19h37m20.73s NA  
## rastr19h37m21.24s NA  
## rastr19h37m21.99s NA  
## rastr19h37m24.20s NA  
## rastr19h37m25.57s NA  
## rastr19h37m27.85s NA  
## rastr19h37m28.02s NA  
## rastr19h37m29.65s NA  
## rastr19h37m32.49s NA  
## rastr19h37m33.83s NA  
## rastr19h37m44.05s NA  
## rastr19h37m46.03s NA  
## rastr19h37m46.04s NA  
## rastr19h37m48.89s NA  
## rastr19h37m49.36s NA  
## rastr19h37m51.06s NA  
## rastr19h37m51.34s NA  
## rastr19h37m52.44s NA  
## rastr19h37m54.81s NA  
## rastr19h37m56.25s NA  
## rastr19h37m56.95s NA  
## rastr19h37m57.58s NA  
## rastr19h37m58.77s NA  
## rastr19h37m59.27s NA  
## rastr19h38m02.72s NA  
## rastr19h38m03.18s NA  
## rastr19h38m04.25s NA  
## rastr19h38m06.11s NA  
## rastr19h38m06.50s NA  
## rastr19h38m06.86s NA  
## rastr19h38m08.06s NA  
## rastr19h38m12.88s NA  
## rastr19h38m13.87s NA  
## rastr19h38m14.16s NA  
## rastr19h38m16.05s NA  
## rastr19h38m16.65s NA  
## rastr19h38m16.89s NA  
## rastr19h38m18.29s NA  
## rastr19h38m22.95s NA  
## rastr19h38m23.17s NA  
## rastr19h38m27.12s NA  
## rastr19h38m27.29s NA  
## rastr19h38m27.55s NA  
## rastr19h38m29.00s NA  
## rastr19h38m31.78s NA  
## rastr19h38m31.82s NA  
## rastr19h38m32.09s NA  
## rastr19h38m32.62s NA  
## rastr19h38m35.19s NA  
## rastr19h38m35.56s NA  
## rastr19h38m36.01s NA  
## rastr19h38m37.26s NA  
## rastr19h38m38.74s NA  
## rastr19h38m39.52s NA  
## rastr19h38m40.30s NA  
## rastr19h38m41.80s NA  
## rastr19h38m43.25s NA  
## rastr19h38m46.57s NA  
## rastr19h38m47.26s NA  
## rastr19h38m50.27s NA  
## rastr19h38m50.44s NA  
## rastr19h38m50.55s NA  
## rastr19h38m50.88s NA  
## rastr19h38m58.09s NA  
## rastr19h38m58.41s NA  
## rastr19h39m04.08s NA  
## rastr19h39m04.76s NA  
## rastr19h39m05.74s NA  
## rastr19h39m06.43s NA  
## rastr19h39m08.22s NA  
## rastr19h39m15.85s NA  
## rastr19h39m19.43s NA  
## rastr19h39m20.43s NA  
## rastr19h39m21.62s NA  
## rastr19h39m22.51s NA  
## rastr19h39m23.26s NA  
## rastr19h39m24.63s NA  
## rastr19h39m27.87s NA  
## rastr19h39m28.06s NA  
## rastr19h39m33.51s NA  
## rastr19h39m38.32s NA  
## rastr19h39m38.78s NA  
## rastr19h39m46.01s NA  
## rastr19h39m46.53s NA  
## rastr19h39m47.75s NA  
## rastr19h39m48.25s NA  
## rastr19h39m48.33s NA  
## rastr19h39m49.22s NA  
## rastr19h39m49.64s NA  
## rastr19h39m50.14s NA  
## rastr19h39m51.84s NA  
## rastr19h39m53.65s NA  
## rastr19h39m54.94s NA  
## rastr19h39m55.33s NA  
## rastr19h39m56.53s NA  
## rastr19h39m57.39s NA  
## rastr19h39m58.03s NA  
## rastr19h39m59.12s NA  
## rastr19h39m59.30s NA  
## rastr19h40m00.50s NA  
## rastr19h40m00.66s NA  
## rastr19h40m05.21s NA  
## rastr19h40m11.65s NA  
## rastr19h40m13.02s NA  
## rastr19h40m15.41s NA  
## rastr19h40m21.66s NA  
## rastr19h40m22.79s NA  
## rastr19h40m24.60s NA  
## rastr19h40m26.39s NA  
## rastr19h40m28.56s NA  
## rastr19h40m33.37s NA  
## rastr19h40m36.51s NA  
## rastr19h40m37.95s NA  
## rastr19h40m39.30s NA  
## rastr19h40m39.36s NA  
## rastr19h40m40.13s NA  
## rastr19h40m42.09s NA  
## rastr19h40m43.61s NA  
## rastr19h40m43.89s NA  
## rastr19h40m46.41s NA  
## rastr19h40m49.18s NA  
## rastr19h40m51.04s NA  
## rastr19h40m52.02s NA  
## rastr19h40m54.35s NA  
## rastr19h40m54.92s NA  
## rastr19h40m57.42s NA  
## rastr19h41m00.28s NA  
## rastr19h41m08.94s NA  
## rastr19h41m09.29s NA  
## rastr19h41m11.49s NA  
## rastr19h41m12.02s NA  
## rastr19h41m12.59s NA  
## rastr19h41m13.08s NA  
## rastr19h41m13.81s NA  
## rastr19h41m13.96s NA  
## rastr19h41m15.17s NA  
## rastr19h41m17.41s NA  
## rastr19h41m17.61s NA  
## rastr19h41m19.16s NA  
## rastr19h41m22.26s NA  
## rastr19h41m23.92s NA  
## rastr19h41m25.05s NA  
## rastr19h41m29.00s NA  
## rastr19h41m30.58s NA  
## rastr19h41m36.61s NA  
## rastr19h41m37.02s NA  
## rastr19h41m38.34s NA  
## rastr19h41m39.09s NA  
## rastr19h41m40.19s NA  
## rastr19h41m40.30s NA  
## rastr19h41m41.30s NA  
## rastr19h41m43.04s NA  
## rastr19h41m43.84s NA  
## rastr19h41m49.26s NA  
## rastr19h41m49.70s NA  
## rastr19h41m50.96s NA  
## rastr19h41m51.22s NA  
## rastr19h41m51.75s NA  
## rastr19h41m54.17s NA  
## rastr19h41m55.49s NA  
## rastr19h41m55.76s NA  
## rastr19h41m56.78s NA  
## rastr19h41m59.54s NA  
## rastr19h42m00.64s NA  
## rastr19h42m05.11s NA  
## rastr19h42m05.78s NA  
## rastr19h42m08.66s NA  
## rastr19h42m09.23s NA  
## rastr19h42m13.20s NA  
## rastr19h42m14.26s NA  
## rastr19h42m15.25s NA  
## rastr19h42m16.29s NA  
## rastr19h42m17.10s NA  
## rastr19h42m17.82s NA  
## rastr19h42m18.26s NA  
## rastr19h42m18.54s NA  
## rastr19h42m19.04s NA  
## rastr19h42m20.75s NA  
## rastr19h42m21.90s NA  
## rastr19h42m26.10s NA  
## rastr19h42m28.80s NA  
## rastr19h42m29.94s NA  
## rastr19h42m31.03s NA  
## rastr19h42m35.68s NA  
## rastr19h42m36.33s NA  
## rastr19h42m36.35s NA  
## rastr19h42m39.10s NA  
## rastr19h42m44.37s NA  
## rastr19h42m46.46s NA  
## rastr19h42m48.26s NA  
## rastr19h42m56.49s NA  
## rastr19h42m58.52s NA  
## rastr19h43m03.89s NA  
## rastr19h43m08.46s NA  
## rastr19h43m08.53s NA  
## rastr19h43m10.12s NA  
## rastr19h43m13.57s NA  
## rastr19h43m14.23s NA  
## rastr19h43m15.88s NA  
## rastr19h43m17.18s NA  
## rastr19h43m18.11s NA  
## rastr19h43m18.88s NA  
## rastr19h43m23.16s NA  
## rastr19h43m26.26s NA  
## rastr19h43m32.99s NA  
## rastr19h43m37.20s NA  
## rastr19h43m37.57s NA  
## rastr19h43m38.20s NA  
## rastr19h43m40.96s NA  
## rastr19h43m42.27s NA  
## rastr19h43m44.03s NA  
## rastr19h43m45.21s NA  
## rastr19h43m47.13s NA  
## rastr19h43m47.59s NA  
## rastr19h43m48.32s NA  
## rastr19h43m54.04s NA  
## rastr19h43m54.14s NA  
## rastr19h44m00.90s NA  
## rastr19h44m00.94s NA  
## rastr19h44m01.73s NA  
## rastr19h44m02.28s NA  
## rastr19h44m05.12s NA  
## rastr19h44m05.35s NA  
## rastr19h44m07.66s NA  
## rastr19h44m07.73s NA  
## rastr19h44m10.15s NA  
## rastr19h44m11.35s NA  
## rastr19h44m12.98s NA  
## rastr19h44m14.37s NA  
## rastr19h44m15.42s NA  
## rastr19h44m15.43s NA  
## rastr19h44m18.15s NA  
## rastr19h44m19.64s NA  
## rastr19h44m24.97s NA  
## rastr19h44m25.90s NA  
## rastr19h44m27.02s NA  
## rastr19h44m28.97s NA  
## rastr19h44m31.52s NA  
## rastr19h44m31.88s NA  
## rastr19h44m36.31s NA  
## rastr19h44m38.16s NA  
## rastr19h44m42.55s NA  
## rastr19h44m44.02s NA  
## rastr19h44m45.18s NA  
## rastr19h44m47.08s NA  
## rastr19h44m48.13s NA  
## rastr19h44m48.93s NA  
## rastr19h44m51.63s NA  
## rastr19h44m53.29s NA  
## rastr19h44m53.33s NA  
## rastr19h44m55.21s NA  
## rastr19h44m55.69s NA  
## rastr19h44m55.87s NA  
## rastr19h44m56.43s NA  
## rastr19h44m58.71s NA  
## rastr19h45m03.48s NA  
## rastr19h45m06.64s NA  
## rastr19h45m08.66s NA  
## rastr19h45m10.44s NA  
## rastr19h45m12.48s NA  
## rastr19h45m13.92s NA  
## rastr19h45m17.27s NA  
## rastr19h45m21.85s NA  
## rastr19h45m25.11s NA  
## rastr19h45m26.07s NA  
## rastr19h45m26.27s NA  
## rastr19h45m27.96s NA  
## rastr19h45m30.44s NA  
## rastr19h45m32.53s NA  
## rastr19h45m33.30s NA  
## rastr19h45m35.41s NA  
## rastr19h45m36.75s NA  
## rastr19h45m36.91s NA  
## rastr19h45m37.66s NA  
## rastr19h45m40.46s NA  
## rastr19h45m41.31s NA  
## rastr19h45m44.59s NA  
## rastr19h45m49.37s NA  
## rastr19h45m51.48s NA  
## rastr19h45m52.15s NA  
## rastr19h45m55.14s NA  
## rastr19h45m56.02s NA  
## rastr19h45m59.05s NA  
## rastr19h45m59.66s NA  
## rastr19h46m00.11s NA  
## rastr19h46m02.52s NA  
## rastr19h46m02.88s NA  
## rastr19h46m04.00s NA  
## rastr19h46m05.88s NA  
## rastr19h46m11.43s NA  
## rastr19h46m12.02s NA  
## rastr19h46m12.66s NA  
## rastr19h46m14.41s NA  
## rastr19h46m15.89s NA  
## rastr19h46m16.00s NA  
## rastr19h46m21.00s NA  
## rastr19h46m24.34s NA  
## rastr19h46m24.82s NA  
## rastr19h46m27.57s NA  
## rastr19h46m30.48s NA  
## rastr19h46m32.85s NA  
## rastr19h46m37.14s NA  
## rastr19h46m39.06s NA  
## rastr19h46m40.31s NA  
## rastr19h46m43.32s NA  
## rastr19h46m45.23s NA  
## rastr19h46m46.55s NA  
## rastr19h46m47.35s NA  
## rastr19h46m49.73s NA  
## rastr19h46m51.06s NA  
## rastr19h46m53.87s NA  
## rastr19h46m58.29s NA  
## rastr19h46m59.14s NA  
## rastr19h47m00.71s NA  
## rastr19h47m00.81s NA  
## rastr19h47m01.00s NA  
## rastr19h47m01.39s NA  
## rastr19h47m05.26s NA  
## rastr19h47m05.46s NA  
## rastr19h47m12.82s NA  
## rastr19h47m14.08s NA  
## rastr19h47m15.29s NA  
## rastr19h47m17.50s NA  
## rastr19h47m20.94s NA  
## rastr19h47m21.21s NA  
## rastr19h47m23.06s NA  
## rastr19h47m24.24s NA  
## rastr19h47m24.49s NA  
## rastr19h47m24.82s NA  
## rastr19h47m25.57s NA  
## rastr19h47m26.20s NA  
## rastr19h47m26.62s NA  
## rastr19h47m32.57s NA  
## rastr19h47m34.76s NA  
## rastr19h47m36.67s NA  
## rastr19h47m41.66s NA  
## rastr19h47m48.50s NA  
## rastr19h47m50.13s NA  
## rastr19h47m50.48s NA  
## rastr19h47m52.51s NA  
## rastr19h47m55.47s NA  
## rastr19h47m56.47s NA  
## rastr19h47m56.81s NA  
## rastr19h47m59.16s NA  
## rastr19h47m59.66s NA  
## rastr19h48m02.26s NA  
## rastr19h48m04.51s NA  
## rastr19h48m04.58s NA  
## rastr19h48m04.81s NA  
## rastr19h48m05.06s NA  
## rastr19h48m06.14s NA  
## rastr19h48m06.76s NA  
## rastr19h48m10.08s NA  
## rastr19h48m10.90s NA  
## rastr19h48m10.95s NA  
## rastr19h48m16.41s NA  
## rastr19h48m16.76s NA  
## rastr19h48m16.85s NA  
## rastr19h48m16.90s NA  
## rastr19h48m17.71s NA  
## rastr19h48m17.92s NA  
## rastr19h48m21.59s NA  
## rastr19h48m21.73s NA  
## rastr19h48m27.62s NA  
## rastr19h48m29.83s NA  
## rastr19h48m31.85s NA  
## rastr19h48m35.71s NA  
## rastr19h48m47.82s NA  
## rastr19h48m48.36s NA  
## rastr19h48m50.14s NA  
## rastr19h48m50.91s NA  
## rastr19h48m51.37s NA  
## rastr19h48m51.80s NA  
## rastr19h49m01.22s NA  
## rastr19h49m02.18s NA  
## rastr19h49m04.94s NA  
## rastr19h49m05.02s NA  
## rastr19h49m05.21s NA  
## rastr19h49m06.69s NA  
## rastr19h49m06.94s NA  
## rastr19h49m08.45s NA  
## rastr19h49m08.52s NA  
## rastr19h49m10.21s NA  
## rastr19h49m12.30s NA  
## rastr19h49m15.84s NA  
## rastr19h49m17.44s NA  
## rastr19h49m18.92s NA  
## rastr19h49m19.94s NA  
## rastr19h49m21.47s NA  
## rastr19h49m23.36s NA  
## rastr19h49m24.55s NA  
## rastr19h49m24.96s NA  
## rastr19h49m26.24s NA  
## rastr19h49m29.62s NA  
## rastr19h49m30.02s NA  
## rastr19h49m33.98s NA  
## rastr19h49m34.35s NA  
## rastr19h49m36.37s NA  
## rastr19h49m39.47s NA  
## rastr19h49m43.29s NA  
## rastr19h49m48.51s NA  
## rastr19h49m48.90s NA  
## rastr19h49m50.41s NA  
## rastr19h49m51.28s NA  
## rastr19h49m51.68s NA  
## rastr19h49m54.51s NA  
## rastr19h49m55.08s NA  
## rastr19h49m55.40s NA  
## rastr19h49m55.81s NA  
## rastr19h49m56.77s NA  
## rastr19h49m56.84s NA  
## rastr19h50m00.89s NA  
## rastr19h50m01.99s NA  
## rastr19h50m02.37s NA  
## rastr19h50m18.51s NA  
## rastr19h50m19.93s NA  
## rastr19h50m20.14s NA  
## rastr19h50m21.25s NA  
## rastr19h50m22.47s NA  
## rastr19h50m34.14s NA  
## rastr19h50m36.22s NA  
## rastr19h50m36.32s NA  
## rastr19h50m39.47s NA  
## rastr19h50m41.43s NA  
## rastr19h50m48.04s NA  
## rastr19h50m50.44s NA  
## rastr19h50m50.77s NA  
## rastr19h50m50.86s NA  
## rastr19h50m53.57s NA  
## rastr19h50m53.81s NA  
## rastr19h50m55.02s NA  
## rastr19h50m56.73s NA  
## rastr19h50m57.55s NA  
## rastr19h51m07.02s NA  
## rastr19h51m08.77s NA  
## rastr19h51m09.82s NA  
## rastr19h51m10.82s NA  
## rastr19h51m11.24s NA  
## rastr19h51m13.97s NA  
## rastr19h51m21.95s NA  
## rastr19h51m22.15s NA  
## rastr19h51m37.38s NA  
## rastr19h51m40.04s NA  
## rastr19h51m40.73s NA  
## rastr19h51m45.16s NA  
## rastr19h51m45.62s NA  
## rastr19h51m46.75s NA  
## rastr19h51m48.39s NA  
## rastr19h51m48.72s NA  
## rastr19h51m49.00s NA  
## rastr19h51m50.77s NA  
## rastr19h51m52.97s NA  
## rastr19h52m00.70s NA  
## rastr19h52m03.47s NA  
## rastr19h52m04.60s NA  
## rastr19h52m05.54s NA  
## rastr19h52m16.24s NA  
## rastr19h52m19.07s NA  
## rastr19h52m20.03s NA  
## rastr19h52m20.28s NA  
## rastr19h52m22.91s NA  
## rastr19h52m25.47s NA  
## rastr19h52m26.68s NA  
## rastr19h52m27.55s NA  
## rastr19h52m28.53s NA  
## rastr19h52m36.01s NA  
## rastr19h52m42.55s NA  
## rastr19h52m48.17s NA  
## rastr19h52m48.63s NA  
## rastr19h53m00.48s NA  
## rastr19h53m01.95s NA  
## rastr19h53m04.54s NA  
## rastr19h53m10.77s NA  
## rastr19h53m12.64s NA  
## rastr19h53m15.47s NA  
## rastr19h53m16.41s NA  
## rastr19h53m18.39s NA  
## rastr19h53m23.61s NA  
## rastr19h53m29.72s NA  
## rastr19h53m32.37s NA  
## rastr19h53m34.86s NA  
## rastr19h53m34.98s NA  
## rastr19h53m36.31s NA  
## rastr19h53m42.34s NA  
## rastr19h53m48.02s NA  
## rastr19h53m49.65s NA  
## rastr19h53m51.75s NA  
## rastr19h53m55.46s NA  
## rastr19h53m55.88s NA  
## rastr19h53m58.39s NA  
## rastr19h54m03.68s NA  
## rastr19h54m12.21s NA  
## rastr19h54m14.99s NA  
## rastr19h54m21.41s NA  
## rastr19h54m22.77s NA  
## rastr19h54m25.90s NA  
## rastr19h54m30.00s NA  
## rastr19h54m32.56s NA  
## rastr19h54m36.66s NA  
## rastr19h54m38.62s NA  
## rastr19h54m38.99s NA  
## rastr19h54m39.23s NA  
## rastr19h54m39.27s NA  
## rastr19h54m41.71s NA  
## rastr19h54m56.43s NA  
## rastr19h54m56.72s NA  
## rastr19h55m15.93s NA  
## rastr19h55m20.60s NA  
## rastr19h55m27.99s NA  
## rastr19h55m35.72s NA  
## rastr19h55m44.84s NA  
## rastr19h55m48.09s NA  
## rastr19h55m50.19s NA  
## rastr19h55m53.32s NA  
## rastr19h55m58.01s NA  
## rastr19h56m12.15s NA  
## rastr19h56m12.30s NA  
## rastr19h56m18.49s NA  
## rastr19h56m19.44s NA  
## rastr19h56m23.40s NA  
## rastr19h56m29.39s NA  
## rastr19h56m30.61s NA  
## rastr19h56m32.70s NA  
## rastr19h56m33.03s NA  
## rastr19h56m33.43s NA  
## rastr19h56m38.52s NA  
## rastr19h56m40.68s NA  
## rastr19h56m44.85s NA  
## rastr19h56m51.17s NA  
## rastr19h56m53.20s NA  
## rastr19h56m53.82s NA  
## rastr19h56m56.89s NA  
## rastr19h57m00.07s NA  
## rastr19h57m04.36s NA  
## rastr19h57m12.85s NA  
## rastr19h57m15.86s NA  
## rastr19h57m16.72s NA  
## rastr19h57m24.45s NA  
## rastr19h57m31.56s NA  
## rastr19h57m37.16s NA  
## rastr19h57m37.69s NA  
## rastr19h57m42.44s NA  
## rastr19h58m00.41s NA  
## rastr19h58m06.24s NA  
## rastr19h58m08.34s NA  
## rastr19h58m14.85s NA  
## rastr19h58m20.00s NA  
## rastr19h58m38.30s NA  
## rastr19h58m38.52s NA  
## rastr19h58m42.21s NA  
## rastr19h58m49.14s NA  
## rastr19h59m08.51s NA  
## rastr19h59m11.16s NA  
## rastr19h59m17.08s NA  
## rastr19h59m19.34s NA  
## rastr19h59m24.43s NA  
## rastr19h59m26.83s NA  
## rastr19h59m35.19s NA  
## rastr19h59m35.36s NA  
## rastr19h59m49.74s NA  
## rastr19h59m51.76s NA  
## rastr20h00m24.56s NA  
## rastr20h00m40.91s NA  
## rastr20h00m43.71s NA  
## rastr20h00m49.59s NA  
## rastr20h00m58.10s NA  
## rastr20h01m15.88s NA  
## rastr20h01m19.76s NA  
## rastr20h01m22.57s NA  
## rastr20h01m29.09s NA  
## rastr20h01m40.19s NA  
## rastr20h01m42.74s NA  
## rastr20h01m43.44s NA  
## rastr20h01m57.17s NA  
## rastr20h02m04.11s NA  
## rastr20h02m28.72s NA  
## rastr20h02m46.95s NA  
## rastr20h02m55.78s NA  
## rastr20h03m00.90s NA  
## rastr20h03m27.36s NA  
## rastr20h03m38.22s NA  
## rastr20h03m43.09s NA  
## rastr20h03m44.50s NA  
## rastr20h05m06.88s NA  
## rastr20h05m22.29s NA  
## rastr20h05m35.03s NA  
## rastr20h06m10.33s NA  
## rastr20h06m18.85s NA  
## rastr20h06m52.99s NA  
## rastr20h07m19.64s NA  
## rastr20h08m06.15s NA  
## rastr20h09m28.50s NA  
## rastr20h11m11.62s NA  
## rastr20h11m30.72s NA  
## rastr20h12m40.03s NA  
## rastr20h12m46.90s NA  
## rastr20h13m31.65s NA  
## rastr20h13m52.26s NA  
## rastr20h13m59.78s NA  
## rastr20h14m32.12s NA  
## rastr20h15m18.83s NA  
## rastr20h16m05.96s NA  
## rastr20h16m49.92s NA  
## rastr20h18m09.32s NA  
## rastr20h19m12.01s NA  
## rastr20h20m00.47s NA  
## rastr20h20m22.97s NA  
## rastr20h20m53.27s NA  
## rastr20h21m45.92s NA  
## rastr20h24m29.74s NA  
## rastr20h26m57.87s NA  
## rastr20h27m42.88s NA  
## rastr20h27m59.52s NA  
## rastr20h28m19.02s NA  
## rastr20h29m40.39s NA  
## rastr20h30m23.21s NA  
## rastr20h30m54.13s NA  
## rastr20h31m26.38s NA  
## rastr20h37m51.31s NA  
## rastr20h38m02.70s NA  
## rastr20h39m32.87s NA  
## rastr20h39m51.95s NA  
## rastr20h39m53.09s NA  
## rastr20h41m44.74s NA  
## rastr20h44m10.26s NA  
## rastr20h44m22.08s NA  
## rastr20h45m01.99s NA  
## rastr20h45m09.87s NA  
## rastr20h46m41.60s NA  
## rastr20h49m21.62s NA  
## rastr20h49m47.83s NA  
## rastr20h49m49.80s NA  
## rastr20h52m40.09s NA  
## rastr20h52m51.71s NA  
## rastr20h54m44.95s NA  
## rastr20h54m45.90s NA  
## rastr20h55m04.96s NA  
## rastr20h55m07.98s NA  
## rastr20h55m09.19s NA  
## rastr20h55m36.01s NA  
## rastr20h57m04.45s NA  
## rastr20h58m18.11s NA  
## rastr20h58m25.88s NA  
## rastr21h00m06.23s NA  
## rastr21h01m39.40s NA  
## rastr21h01m54.53s NA  
## rastr21h02m07.67s NA  
## rastr21h03m37.32s NA  
## rastr21h04m48.89s NA  
## rastr21h06m31.65s NA  
## rastr21h06m39.94s NA  
## rastr21h07m50.76s NA  
## rastr21h09m22.70s NA  
## rastr21h10m12.37s NA  
## rastr21h13m36.24s NA  
## rastr21h14m56.88s NA  
## rastr21h14m57.73s NA  
## rastr21h16m27.54s NA  
## rastr21h18m47.90s NA  
## rastr21h19m47.93s NA  
## rastr21h21m54.83s NA  
## rastr21h22m06.40s NA  
## rastr21h23m03.09s NA  
## rastr21h26m23.09s NA  
## rastr21h28m12.25s NA  
## rastr21h29m00.90s NA  
## rastr21h32m23.20s NA  
## rastr21h33m33.90s NA  
## rastr21h35m40.47s NA  
## rastr21h38m08.43s NA  
## rastr21h38m08.63s NA  
## rastr21h40m03.49s NA  
## rastr21h40m48.39s NA  
## rastr21h41m28.87s NA  
## rastr21h42m22.03s NA  
## rastr21h43m24.90s NA  
## rastr21h45m22.00s NA  
## rastr21h47m24.40s NA  
## rastr21h49m59.45s NA  
## rastr21h50m00.12s NA  
## rastr21h50m39.77s NA  
## rastr21h52m36.43s NA  
## rastr21h54m04.20s NA  
## rastr21h54m52.36s NA  
## rastr21h55m54.22s NA  
## rastr21h56m23.99s NA  
## rastr21h57m19.98s NA  
## rastr21h58m59.78s NA  
## rastr22h03m10.81s NA  
## rastr22h03m29.14s NA  
## rastr22h04m12.10s NA  
## rastr22h04m48.74s NA  
## rastr22h06m06.40s NA  
## rastr22h09m29.95s NA  
## rastr22h09m34.83s NA  
## rastr22h09m38.15s NA  
## rastr22h09m41.52s NA  
## rastr22h10m51.44s NA  
## rastr22h11m47.58s NA  
## rastr22h11m51.33s NA  
## rastr22h12m06.50s NA  
## rastr22h13m43.79s NA  
## rastr22h15m00.45s NA  
## rastr22h15m15.80s NA  
## rastr22h18m06.88s NA  
## rastr22h18m29.46s NA  
## rastr22h22m03.10s NA  
## rastr22h22m15.88s NA  
## rastr22h22m29.60s NA  
## rastr22h24m36.56s NA  
## rastr22h25m17.31s NA  
## rastr22h26m18.27s NA  
## rastr22h27m02.98s NA  
## rastr22h27m31.29s NA  
## rastr22h29m49.88s NA  
## rastr22h30m02.47s NA  
## rastr22h30m49.68s NA  
## rastr22h31m00.15s NA  
## rastr22h31m05.47s NA  
## rastr22h33m28.37s NA  
## rastr22h33m35.92s NA  
## rastr22h34m25.50s NA  
## rastr22h35m56.09s NA  
## rastr22h36m06.20s NA  
## rastr22h40m19.97s NA  
## rastr22h41m12.91s NA  
## rastr22h43m21.14s NA  
## rastr22h45m27.37s NA  
## rastr22h46m36.65s NA  
## rastr22h47m30.45s NA  
## rastr22h48m07.60s NA  
## rastr22h49m32.62s NA  
## rastr22h52m09.96s NA  
## rastr22h53m03.98s NA  
## rastr22h53m17.75s NA  
## rastr22h53m38.27s NA  
## rastr22h54m39.35s NA  
## rastr22h55m29.30s NA  
## rastr22h55m53.97s NA  
## rastr22h57m28.21s NA  
## rastr22h57m46.89s NA  
## rastr22h58m15.53s NA  
## rastr22h59m29.66s NA  
## rastr23h03m08.11s NA  
## rastr23h04m18.02s NA  
## rastr23h04m32.78s NA  
## rastr23h05m52.04s NA  
## rastr23h06m30.33s NA  
## rastr23h07m28.84s NA  
## rastr23h09m11.38s NA  
## rastr23h09m58.27s NA  
## rastr23h10m29.26s NA  
## rastr23h10m49.04s NA  
## rastr23h10m50.60s NA  
## rastr23h12m14.15s NA  
## rastr23h12m37.71s NA  
## rastr23h13m20.93s NA  
## rastr23h13m26.50s NA  
## rastr23h13m58.75s NA  
## rastr23h14m07.67s NA  
## rastr23h14m53.85s NA  
## rastr23h15m42.22s NA  
## rastr23h15m47.77s NA  
## rastr23h15m53.88s NA  
## rastr23h15m58.33s NA  
## rastr23h16m15.23s NA  
## rastr23h16m49.73s NA  
## rastr23h17m10.72s NA  
## rastr23h17m32.24s NA  
## rastr23h18m14.22s NA  
## rastr23h18m29.51s NA  
## rastr23h18m46.73s NA  
## rastr23h20m06.86s NA  
## rastr23h20m14.40s NA  
## rastr23h21m58.73s NA  
## rastr23h23m40.09s NA  
## rastr23h24m32.49s NA  
## rastr23h25m52.97s NA  
## rastr23h26m27.47s NA  
## rastr23h26m36.82s NA  
## rastr23h27m05.23s NA  
## rastr23h28m41.41s NA  
## rastr23h31m17.80s NA  
## rastr23h31m20.69s NA  
## rastr23h31m52.81s NA  
## rastr23h32m07.96s NA  
## rastr23h32m55.05s NA  
## rastr23h32m58.45s NA  
## rastr23h33m19.66s NA  
## rastr23h34m15.10s NA  
## rastr23h34m27.90s NA  
## rastr23h35m49.04s NA  
## rastr23h36m40.49s NA  
## rastr23h36m57.80s NA  
## rastr23h38m00.61s NA  
## rastr23h38m07.68s NA  
## rastr23h39m05.78s NA  
## rastr23h39m20.60s NA  
## rastr23h41m51.38s NA  
## rastr23h43m18.88s NA  
## rastr23h46m40.01s NA  
## rastr23h50m19.36s NA  
## rastr23h51m23.14s NA  
## rastr23h51m31.01s NA  
## rastr23h54m03.63s NA  
## rastr23h54m14.12s NA  
## rastr23h54m40.53s NA  
## rastr23h56m36.47s NA  
## rastr23h56m45.96s NA  
## rastr23h57m23.77s NA  
## rastr23h58m51.94s NA  
## rastr23h59m10.41s NA  
## rastr23h59m36.21s NA  
## rastr23h59m54.00s NA  
## ra NA  
## decstr-00d07m41.42s NA  
## decstr-00d10m14.63s NA  
## decstr-00d16m55.48s NA  
## decstr-00d17m56.96s NA  
## decstr-00d23m36.37s NA  
## decstr-00d25m49.29s NA  
## decstr-00d40m22.03s NA  
## decstr-00d41m48.77s NA  
## decstr-00d49m24.83s NA  
## decstr-00d51m56.73s NA  
## decstr-00d54m08.64s NA  
## decstr-01d02m06.10s NA  
## decstr-01d03m46.83s NA  
## decstr-01d04m24.00s NA  
## decstr-01d04m33.61s NA  
## decstr-01d06m39.32s NA  
## decstr-01d09m48.97s NA  
## decstr-01d11m21.06s NA  
## decstr-01d11m47.02s NA  
## decstr-01d15m08.28s NA  
## decstr-01d17m07.24s NA  
## decstr-01d17m47.20s NA  
## decstr-01d19m42.39s NA  
## decstr-01d24m17.00s NA  
## decstr-01d27m18.49s NA  
## decstr-01d31m47.14s NA  
## decstr-01d34m07.08s NA  
## decstr-01d34m47.95s NA  
## decstr-01d35m32.25s NA  
## decstr-01d41m18.87s NA  
## decstr-01d43m28.14s NA  
## decstr-01d46m26.61s NA  
## decstr-01d58m58.03s NA  
## decstr-02d01m49.39s NA  
## decstr-02d02m42.34s NA  
## decstr-02d03m27.67s NA  
## decstr-02d08m39.97s NA  
## decstr-02d11m04.98s NA  
## decstr-02d15m40.19s NA  
## decstr-02d15m53.97s NA  
## decstr-02d16m40.94s NA  
## decstr-02d23m43.62s NA  
## decstr-02d28m25.77s NA  
## decstr-02d30m47.87s NA  
## decstr-02d38m19.57s NA  
## decstr-02d39m08.24s NA  
## decstr-02d46m28.95s NA  
## decstr-02d46m44.90s NA  
## decstr-02d58m15.53s NA  
## decstr-03d00m30.89s NA  
## decstr-03d01m53.35s NA  
## decstr-03d06m07.70s NA  
## decstr-03d19m11.97s NA  
## decstr-03d22m51.81s NA  
## decstr-03d23m46.90s NA  
## decstr-03d26m40.20s NA  
## decstr-03d33m11.21s NA  
## decstr-03d33m44.96s NA  
## decstr-03d39m58.06s NA  
## decstr-03d43m09.44s NA  
## decstr-03d48m30.08s NA  
## decstr-03d50m06.00s NA  
## decstr-03d54m20.07s NA  
## decstr-03d58m31.59s NA  
## decstr-04d03m00.38s NA  
## decstr-04d25m20.27s NA  
## decstr-04d38m26.99s NA  
## decstr-04d45m19.95s NA  
## decstr-04d48m25.21s NA  
## decstr-05d00m43.31s NA  
## decstr-05d02m36.46s NA  
## decstr-05d02m52.70s NA  
## decstr-05d03m14.84s NA  
## decstr-05d04m46.15s NA  
## decstr-05d05m11.24s NA  
## decstr-05d05m41.49s NA  
## decstr-05d09m50.92s NA  
## decstr-05d10m42.27s NA  
## decstr-05d22m00.53s NA  
## decstr-05d26m32.98s NA  
## decstr-05d32m09.74s NA  
## decstr-05d40m30.41s NA  
## decstr-05d45m53.86s NA  
## decstr-05d59m10.46s NA  
## decstr-05d59m46.82s NA  
## decstr-06d00m09.37s NA  
## decstr-06d08m09.90s NA  
## decstr-06d08m21.61s NA  
## decstr-06d13m47.21s NA  
## decstr-06d24m07.45s NA  
## decstr-06d36m44.24s NA  
## decstr-06d43m18.65s NA  
## decstr-06d48m14.66s NA  
## decstr-07d03m38.40s NA  
## decstr-07d15m27.15s NA  
## decstr-07d19m05.01s NA  
## decstr-07d23m24.53s NA  
## decstr-07d24m29.68s NA  
## decstr-07d33m02.15s NA  
## decstr-07d43m21.70s NA  
## decstr-07d47m42.15s NA  
## decstr-07d51m27.21s NA  
## decstr-07d57m22.87s NA  
## decstr-07d59m44.41s NA  
## decstr-08d01m37.15s NA  
## decstr-08d03m13.03s NA  
## decstr-08d14m01.02s NA  
## decstr-08d16m52.12s NA  
## decstr-08d19m03.49s NA  
## decstr-08d19m40.89s NA  
## decstr-08d32m55.03s NA  
## decstr-08d35m49.51s NA  
## decstr-08d44m49.98s NA  
## decstr-08d49m27.34s NA  
## decstr-08d50m52.94s NA  
## decstr-09d01m22.59s NA  
## decstr-09d05m16.11s NA  
## decstr-09d19m29.89s NA  
## decstr-09d23m57.71s NA  
## decstr-09d27m29.42s NA  
## decstr-09d30m48.83s NA  
## decstr-09d30m59.65s NA  
## decstr-09d35m48.09s NA  
## decstr-09d36m27.40s NA  
## decstr-09d36m43.23s NA  
## decstr-09d45m54.86s NA  
## decstr-09d46m26.88s NA  
## decstr-09d48m23.20s NA  
## decstr-09d56m45.85s NA  
## decstr-10d08m46.37s NA  
## decstr-10d14m36.49s NA  
## decstr-10d17m28.84s NA  
## decstr-10d21m07.84s NA  
## decstr-10d25m28.63s NA  
## decstr-10d33m03.87s NA  
## decstr-10d37m49.16s NA  
## decstr-10d38m21.62s NA  
## decstr-10d40m31.69s NA  
## decstr-10d42m41.53s NA  
## decstr-10d43m30.29s NA  
## decstr-10d46m13.52s NA  
## decstr-10d50m59.06s NA  
## decstr-10d53m52.89s NA  
## decstr-10d58m35.12s NA  
## decstr-11d02m01.40s NA  
## decstr-11d02m41.79s NA  
## decstr-11d14m07.22s NA  
## decstr-11d24m24.43s NA  
## decstr-11d34m45.55s NA  
## decstr-11d35m20.36s NA  
## decstr-11d37m17.47s NA  
## decstr-11d38m13.37s NA  
## decstr-11d43m04.08s NA  
## decstr-11d50m16.05s NA  
## decstr-11d54m04.23s NA  
## decstr-11d55m22.71s NA  
## decstr-11d56m17.75s NA  
## decstr-12d01m08.64s NA  
## decstr-12d05m05.51s NA  
## decstr-12d06m28.78s NA  
## decstr-12d07m49.07s NA  
## decstr-12d10m01.79s NA  
## decstr-12d17m05.71s NA  
## decstr-12d31m01.22s NA  
## decstr-12d38m11.13s NA  
## decstr-12d40m03.67s NA  
## decstr-12d47m00.07s NA  
## decstr-12d47m32.01s NA  
## decstr-12d55m39.59s NA  
## decstr-12d56m41.17s NA  
## decstr-12d59m08.37s NA  
## decstr-13d10m29.43s NA  
## decstr-13d15m23.50s NA  
## decstr-13d23m58.64s NA  
## decstr-13d26m00.18s NA  
## decstr-13d33m34.37s NA  
## decstr-13d34m37.09s NA  
## decstr-13d43m54.50s NA  
## decstr-13d54m24.01s NA  
## decstr-13d59m10.81s NA  
## decstr-14d04m06.38s NA  
## decstr-14d15m59.74s NA  
## decstr-14d16m36.27s NA  
## decstr-14d25m08.94s NA  
## decstr-14d27m26.75s NA  
## decstr-14d29m21.57s NA  
## decstr-14d29m41.20s NA  
## decstr-14d32m14.22s NA  
## decstr-14d47m22.21s NA  
## decstr-14d56m52.15s NA  
## decstr-14d57m03.52s NA  
## decstr-14d59m30.39s NA  
## decstr-15d01m34.41s NA  
## decstr-15d16m02.66s NA  
## decstr-15d16m25.34s NA  
## decstr-15d16m26.79s NA  
## decstr-15d53m43.44s NA  
## decstr-15d56m01.68s NA  
## decstr-15d57m51.64s NA  
## decstr-16d02m10.78s NA  
## decstr-16d13m38.37s NA  
## decstr-16d20m21.30s NA  
## decstr-16d24m23.20s NA  
## decstr-16d30m32.41s NA  
## decstr-16d35m40.18s NA  
## decstr-16d43m28.73s NA  
## decstr-16d57m23.37s NA  
## decstr-16d57m55.40s NA  
## decstr-16d59m46.48s NA  
## decstr-17d00m01.10s NA  
## decstr-17d04m39.34s NA  
## decstr-17d06m54.62s NA  
## decstr-17d15m02.88s NA  
## decstr-17d15m50.78s NA  
## decstr-17d19m59.05s NA  
## decstr-17d28m54.53s NA  
## decstr-17d30m12.59s NA  
## decstr-17d39m28.01s NA  
## decstr-17d41m13.42s NA  
## decstr-17d46m34.30s NA  
## decstr-17d54m38.57s NA  
## decstr-18d00m41.99s NA  
## decstr-18d01m19.10s NA  
## decstr-18d06m24.98s NA  
## decstr-18d18m56.79s NA  
## decstr-18d26m09.50s NA  
## decstr-18d52m35.13s NA  
## decstr-18d58m17.07s NA  
## decstr-19d01m53.86s NA  
## decstr-19d03m17.20s NA  
## decstr-19d03m24.55s NA  
## decstr-19d15m22.25s NA  
## decstr-19d17m03.67s NA  
## decstr-19d17m30.07s NA  
## decstr-19d18m53.02s NA  
## decstr-19d20m03.71s NA  
## decstr-19d20m51.53s NA  
## decstr-19d21m21.32s NA  
## decstr-19d26m15.10s NA  
## decstr-19d30m26.63s NA  
## decstr-19d32m32.30s NA  
## decstr-19d32m34.98s NA  
## decstr-19d33m25.05s NA  
## decstr-19d36m19.06s NA  
## decstr-19d39m46.05s NA  
## decstr-19d41m27.15s NA  
## decstr-19d42m16.01s NA  
## decstr-19d44m50.76s NA  
## decstr-19d49m44.18s NA  
## decstr-19d55m53.34s NA  
## decstr-19d56m59.03s NA  
## decstr-19d57m12.40s NA  
## decstr-20d09m58.96s NA  
## decstr-20d11m56.03s NA  
## decstr-20d13m54.47s NA  
## decstr-20d16m02.40s NA  
## decstr-20d16m31.57s NA  
## decstr-20d21m20.18s NA  
## decstr-20d27m03.60s NA  
## decstr-20d37m00.45s NA  
## decstr-20d39m42.63s NA  
## decstr-20d47m23.02s NA  
## decstr-20d48m09.73s NA  
## decstr-20d51m23.30s NA  
## decstr-20d57m28.65s NA  
## decstr-20d58m56.71s NA  
## decstr-21d11m46.37s NA  
## decstr-21d12m11.92s NA  
## decstr-21d12m28.29s NA  
## decstr-21d16m19.26s NA  
## decstr-21d28m55.40s NA  
## decstr-21d40m25.33s NA  
## decstr-21d43m38.71s NA  
## decstr-21d48m04.32s NA  
## decstr-21d52m03.80s NA  
## decstr-21d54m38.56s NA  
## decstr-21d56m01.13s NA  
## decstr-22d05m39.59s NA  
## decstr-22d06m59.00s NA  
## decstr-22d09m11.63s NA  
## decstr-22d12m16.15s NA  
## decstr-22d14m51.75s NA  
## decstr-22d17m36.31s NA  
## decstr-22d17m45.12s NA  
## decstr-22d21m30.04s NA  
## decstr-22d23m17.44s NA  
## decstr-22d23m24.03s NA  
## decstr-22d25m40.80s NA  
## decstr-22d27m13.01s NA  
## decstr-22d32m48.78s NA  
## decstr-22d33m46.83s NA  
## decstr-22d40m26.85s NA  
## decstr-22d59m12.64s NA  
## decstr-23d05m09.62s NA  
## decstr-23d11m21.91s NA  
## decstr-23d12m10.15s NA  
## decstr-23d13m05.18s NA  
## decstr-23d14m28.74s NA  
## decstr-23d21m17.44s NA  
## decstr-23d27m10.11s NA  
## decstr-23d29m09.91s NA  
## decstr-23d29m32.98s NA  
## decstr-23d32m53.78s NA  
## decstr-23d33m29.68s NA  
## decstr-23d37m10.92s NA  
## decstr-23d46m52.47s NA  
## decstr-23d49m11.25s NA  
## decstr-23d51m39.40s NA  
## decstr-23d55m26.84s NA  
## decstr-23d56m08.84s NA  
## decstr-23d56m45.97s NA  
## decstr-23d58m31.76s NA  
## decstr-24d05m57.07s NA  
## decstr-24d08m12.87s NA  
## decstr-24d10m47.26s NA  
## decstr-24d18m12.62s NA  
## decstr-24d22m08.14s NA  
## decstr-24d25m38.60s NA  
## decstr-24d25m43.30s NA  
## decstr-24d27m15.13s NA  
## decstr-24d41m44.07s NA  
## decstr-24d53m31.56s NA  
## decstr-24d59m26.17s NA  
## decstr-25d10m16.82s NA  
## decstr-25d12m31.69s NA  
## decstr-25d16m34.67s NA  
## decstr-25d18m08.31s NA  
## decstr-25d18m34.82s NA  
## decstr-25d20m58.80s NA  
## decstr-25d24m32.12s NA  
## decstr-25d31m41.64s NA  
## decstr-25d35m41.63s NA  
## decstr-25d38m46.76s NA  
## decstr-25d41m14.55s NA  
## decstr-25d41m30.39s NA  
## decstr-25d44m54.12s NA  
## decstr-25d48m11.42s NA  
## decstr-25d59m27.79s NA  
## decstr-26d01m37.83s NA  
## decstr-26d03m14.92s NA  
## decstr-26d04m39.23s NA  
## decstr-26d05m48.19s NA  
## decstr-26d30m54.14s NA  
## decstr-26d36m58.95s NA  
## decstr-26d39m34.30s NA  
## decstr-26d41m34.32s NA  
## decstr-26d43m25.93s NA  
## decstr-26d44m24.73s NA  
## decstr-26d47m51.61s NA  
## decstr-26d53m38.64s NA  
## decstr-27d02m01.52s NA  
## decstr-27d03m01.50s NA  
## decstr-27d04m41.23s NA  
## decstr-27d23m34.14s NA  
## decstr-27d31m20.02s NA  
## decstr-27d37m23.96s NA  
## decstr-27d37m24.34s NA  
## decstr-27d38m10.02s NA  
## decstr-27d50m29.74s NA  
## decstr-27d50m35.29s NA  
## decstr-27d58m21.27s NA  
## decstr-28d03m42.46s NA  
## decstr-28d04m22.03s NA  
## decstr-28d11m49.97s NA  
## decstr-28d25m08.67s NA  
## decstr-28d33m39.00s NA  
## decstr-28d35m01.80s NA  
## decstr-28d35m08.16s NA  
## decstr-28d42m38.10s NA  
## decstr-28d46m50.30s NA  
## decstr-28d47m02.82s NA  
## decstr-28d51m15.67s NA  
## decstr-29d03m31.16s NA  
## decstr-29d09m21.83s NA  
## decstr-29d24m51.49s NA  
## decstr-29d24m59.35s NA  
## decstr-29d25m18.15s NA  
## decstr-29d32m36.11s NA  
## decstr-29d38m42.37s NA  
## decstr-29d46m36.41s NA  
## decstr-29d48m01.60s NA  
## decstr-29d49m00.45s NA  
## decstr-29d52m35.31s NA  
## decstr-29d53m49.89s NA  
## decstr-29d55m02.11s NA  
## decstr-29d56m16.50s NA  
## decstr-29d59m49.64s NA  
## decstr-30d00m46.94s NA  
## decstr-30d02m14.40s NA  
## decstr-30d10m08.68s NA  
## decstr-30d10m30.50s NA  
## decstr-30d20m53.35s NA  
## decstr-30d23m58.06s NA  
## decstr-30d35m00.99s NA  
## decstr-30d36m01.57s NA  
## decstr-30d37m00.63s NA  
## decstr-30d38m23.34s NA  
## decstr-30d44m58.99s NA  
## decstr-30d48m16.71s NA  
## decstr-30d48m42.48s NA  
## decstr-30d48m50.62s NA  
## decstr-30d58m14.94s NA  
## decstr-31d08m39.62s NA  
## decstr-31d09m46.78s NA  
## decstr-31d12m07.45s NA  
## decstr-31d14m39.82s NA  
## decstr-31d16m09.16s NA  
## decstr-31d17m41.44s NA  
## decstr-31d20m32.82s NA  
## decstr-31d28m51.61s NA  
## decstr-31d44m16.21s NA  
## decstr-31d52m28.83s NA  
## decstr-32d09m34.96s NA  
## decstr-32d19m13.50s NA  
## decstr-32d20m22.03s NA  
## decstr-32d31m30.01s NA  
## decstr-32d32m37.07s NA  
## decstr-32d39m47.08s NA  
## decstr-32d43m34.90s NA  
## decstr-32d45m19.51s NA  
## decstr-32d48m01.25s NA  
## decstr-32d51m30.20s NA  
## decstr-32d51m36.45s NA  
## decstr-32d55m15.02s NA  
## decstr-33d26m14.45s NA  
## decstr-33d34m02.00s NA  
## decstr-33d34m39.65s NA  
## decstr-33d43m46.88s NA  
## decstr-33d51m36.28s NA  
## decstr-33d52m54.09s NA  
## decstr-33d54m54.96s NA  
## decstr-33d55m15.85s NA  
## decstr-34d06m25.82s NA  
## decstr-34d07m21.88s NA  
## decstr-34d08m08.61s NA  
## decstr-34d08m08.70s NA  
## decstr-34d11m54.53s NA  
## decstr-34d13m34.37s NA  
## decstr-34d19m41.78s NA  
## decstr-34d27m32.75s NA  
## decstr-34d27m34.01s NA  
## decstr-34d29m29.08s NA  
## decstr-34d34m44.73s NA  
## decstr-34d36m40.70s NA  
## decstr-34d40m05.70s NA  
## decstr-34d55m31.97s NA  
## decstr-34d59m23.67s NA  
## decstr-34d59m51.95s NA  
## decstr-35d01m52.81s NA  
## decstr-35d03m22.25s NA  
## decstr-35d06m52.28s NA  
## decstr-35d07m00.16s NA  
## decstr-35d18m52.75s NA  
## decstr-35d23m27.31s NA  
## decstr-35d25m40.23s NA  
## decstr-35d29m23.73s NA  
## decstr-35d32m22.28s NA  
## decstr-35d32m54.99s NA  
## decstr-35d34m16.69s NA  
## decstr-35d38m26.03s NA  
## decstr-35d47m47.84s NA  
## decstr-35d51m11.0s NA  
## decstr-35d59m54.47s NA  
## decstr-36d37m51.53s NA  
## decstr-36d38m46.07s NA  
## decstr-36d51m29.19s NA  
## decstr-37d02m20.89s NA  
## decstr-37d13m51.41s NA  
## decstr-37d33m12.08s NA  
## decstr-37d37m41.61s NA  
## decstr-37d44m41.58s NA  
## decstr-37d45m50.89s NA  
## decstr-37d46m51.57s NA  
## decstr-37d48m10.16s NA  
## decstr-37d48m44.06s NA  
## decstr-37d49m46.12s NA  
## decstr-37d54m36.48s NA  
## decstr-37d55m02.04s NA  
## decstr-37d56m23.03s NA  
## decstr-37d58m59.25s NA  
## decstr-38d08m22.98s NA  
## decstr-38d10m28.70s NA  
## decstr-38d19m24.18s NA  
## decstr-38d22m38.71s NA  
## decstr-38d44m40.37s NA  
## decstr-38d58m05.87s NA  
## decstr-39d01m56.48s NA  
## decstr-39d05m50.17s NA  
## decstr-39d11m34.68s NA  
## decstr-39d13m31.75s NA  
## decstr-39d13m49.76s NA  
## decstr-39d29m25.77s NA  
## decstr-39d42m16.00s NA  
## decstr-39d44m14.06s NA  
## decstr-39d45m29.02s NA  
## decstr-39d47m27.15s NA  
## decstr-39d54m03.24s NA  
## decstr-39d54m25.64s NA  
## decstr-40d02m40.31s NA  
## decstr-40d02m54.38s NA  
## decstr-40d19m06.47s NA  
## decstr-40d23m39.28s NA  
## decstr-40d29m55.04s NA  
## decstr-40d32m37.32s NA  
## decstr-40d34m24.46s NA  
## decstr-40d39m21.83s NA  
## decstr-40d47m54.67s NA  
## decstr-40d48m43.72s NA  
## decstr-40d53m17.73s NA  
## decstr-41d13m30.74s NA  
## decstr-41d14m38.53s NA  
## decstr-41d16m12.36s NA  
## decstr-41d16m37.99s NA  
## decstr-41d18m07.28s NA  
## decstr-41d19m06.32s NA  
## decstr-41d23m05.50s NA  
## decstr-41d23m52.95s NA  
## decstr-41d25m15.95s NA  
## decstr-41d26m15.50s NA  
## decstr-41d27m52.57s NA  
## decstr-41d29m39.88s NA  
## decstr-41d44m15.99s NA  
## decstr-41d49m15.54s NA  
## decstr-41d57m38.38s NA  
## decstr-42d03m42.41s NA  
## decstr-42d03m50.25s NA  
## decstr-42d04m25.02s NA  
## decstr-42d24m35.14s NA  
## decstr-42d28m30.98s NA  
## decstr-42d34m32.60s NA  
## decstr-42d42m17.88s NA  
## decstr-42d43m55.70s NA  
## decstr-42d45m44.03s NA  
## decstr-42d45m46.90s NA  
## decstr-42d58m47.81s NA  
## decstr-43d03m59.95s NA  
## decstr-43d08m46.44s NA  
## decstr-43d16m21.80s NA  
## decstr-43d18m37.35s NA  
## decstr-43d26m12.74s NA  
## decstr-43d30m17.34s NA  
## decstr-44d05m19.33s NA  
## decstr-44d15m15.00s NA  
## decstr-44d18m43.48s NA  
## decstr-44d19m23.71s NA  
## decstr-44d26m06.21s NA  
## decstr-44d30m51.52s NA  
## decstr-44d41m19.82s NA  
## decstr-44d52m35.35s NA  
## decstr-44d53m15.43s NA  
## decstr-45d02m34.87s NA  
## decstr-45d39m32.79s NA  
## decstr-45d40m40.06s NA  
## decstr-45d46m44.46s NA  
## decstr-45d47m58.04s NA  
## decstr-45d53m53.68s NA  
## decstr-45d55m21.31s NA  
## decstr-46d03m59.45s NA  
## decstr-46d08m11.11s NA  
## decstr-46d09m34.26s NA  
## decstr-46d19m03.03s NA  
## decstr-46d20m00.09s NA  
## decstr-46d27m52.86s NA  
## decstr-46d29m03.47s NA  
## decstr-46d35m15.78s NA  
## decstr-46d42m53.00s NA  
## decstr-46d49m00.03s NA  
## decstr-46d49m16.91s NA  
## decstr-46d53m56.34s NA  
## decstr-47d09m17.77s NA  
## decstr-47d14m15.27s NA  
## decstr-47d16m18.86s NA  
## decstr-47d21m38.29s NA  
## decstr-47d33m43.31s NA  
## decstr-47d35m16.14s NA  
## decstr-47d36m49.24s NA  
## decstr-47d54m52.86s NA  
## decstr-47d56m15.14s NA  
## decstr-48d00m11.16s NA  
## decstr-48d19m07.74s NA  
## decstr-48d27m43.50s NA  
## decstr-48d32m30.58s NA  
## decstr-48d33m00.83s NA  
## decstr-48d35m55.08s NA  
## decstr-48d39m15.34s NA  
## decstr-48d40m43.83s NA  
## decstr-48d58m42.28s NA  
## decstr-49d00m45.06s NA  
## decstr-49d04m31.30s NA  
## decstr-49d08m18.65s NA  
## decstr-49d20m06.80s NA  
## decstr-49d25m02.16s NA  
## decstr-49d26m02.77s NA  
## decstr-49d39m53.79s NA  
## decstr-49d47m25.89s NA  
## decstr-49d56m56.15s NA  
## decstr-49d57m50.11s NA  
## decstr-50d00m29.50s NA  
## decstr-50d04m02.46s NA  
## decstr-50d05m36.92s NA  
## decstr-50d10m51.22s NA  
## decstr-50d12m42.09s NA  
## decstr-50d16m04.44s NA  
## decstr-50d17m03.93s NA  
## decstr-50d17m34.05s NA  
## decstr-50d27m47.14s NA  
## decstr-50d37m22.11s NA  
## decstr-50d39m33.51s NA  
## decstr-50d47m57.65s NA  
## decstr-50d49m15.58s NA  
## decstr-50d49m56.15s NA  
## decstr-51d03m58.13s NA  
## decstr-51d19m32.70s NA  
## decstr-51d21m46.99s NA  
## decstr-51d38m16.00s NA  
## decstr-51d39m52.07s NA  
## decstr-51d50m05.55s NA  
## decstr-51d55m53.42s NA  
## decstr-51d55m58.48s NA  
## decstr-51d57m26.62s NA  
## decstr-52d07m13.61s NA  
## decstr-52d22m59.73s NA  
## decstr-52d26m46.86s NA  
## decstr-52d28m04.34s NA  
## decstr-52d38m47.31s NA  
## decstr-52d50m26.94s NA  
## decstr-52d54m58.44s NA  
## decstr-53d22m16.24s NA  
## decstr-53d39m50.50s NA  
## decstr-53d44m28.63s NA  
## decstr-53d44m37.53s NA  
## decstr-53d56m26.79s NA  
## decstr-54d10m39.80s NA  
## decstr-54d15m55.24s NA  
## decstr-54d27m54.59s NA  
## decstr-54d31m57.82s NA  
## decstr-54d33m34.56s NA  
## decstr-54d48m45.41s NA  
## decstr-54d49m50.96s NA  
## decstr-54d53m36.03s NA  
## decstr-54d54m37.52s NA  
## decstr-55d15m36.07s NA  
## decstr-55d18m41.54s NA  
## decstr-55d19m48.97s NA  
## decstr-55d46m19.20s NA  
## decstr-55d52m18.71s NA  
## decstr-56d02m25.47s NA  
## decstr-56d11m30.73s NA  
## decstr-56d18m57.97s NA  
## decstr-56d19m19.59s NA  
## decstr-56d20m39.41s NA  
## decstr-56d26m59.29s NA  
## decstr-56d27m44.23s NA  
## decstr-56d35m59.27s NA  
## decstr-56d37m24.80s NA  
## decstr-56d38m59.96s NA  
## decstr-56d40m51.74s NA  
## decstr-56d47m48.85s NA  
## decstr-56d50m35.22s NA  
## decstr-56d54m14.35s NA  
## decstr-56d55m31.40s NA  
## decstr-57d23m05.99s NA  
## decstr-57d32m33.23s NA  
## decstr-58d00m19.37s NA  
## decstr-58d01m14.91s NA  
## decstr-58d01m28.86s NA  
## decstr-58d08m56.16s NA  
## decstr-58d12m35.11s NA  
## decstr-58d19m23.78s NA  
## decstr-58d39m51.82s NA  
## decstr-58d42m14.45s NA  
## decstr-58d50m10.13s NA  
## decstr-58d54m17.01s NA  
## decstr-58d56m45.91s NA  
## decstr-59d18m10.36s NA  
## decstr-59d24m34.84s NA  
## decstr-59d28m41.09s NA  
## decstr-59d32m27.55s NA  
## decstr-59d34m45.66s NA  
## decstr-59d41m35.93s NA  
## decstr-59d51m53.38s NA  
## decstr-59d56m33.32s NA  
## decstr-60d01m25.42s NA  
## decstr-60d03m56.63s NA  
## decstr-60d04m38.02s NA  
## decstr-60d12m02.50s NA  
## decstr-60d18m30.36s NA  
## decstr-60d26m52.15s NA  
## decstr-60d30m41.36s NA  
## decstr-60d31m16.71s NA  
## decstr-60d38m05.15s NA  
## decstr-60d44m23.67s NA  
## decstr-60d53m30.34s NA  
## decstr-60d54m19.66s NA  
## decstr-61d05m42.94s NA  
## decstr-61d08m07.68s NA  
## decstr-61d21m18.14s NA  
## decstr-61d24m20.51s NA  
## decstr-61d25m20.55s NA  
## decstr-61d35m12.70s NA  
## decstr-61d41m24.46s NA  
## decstr-61d44m50.64s NA  
## decstr-61d45m22.08s NA  
## decstr-61d57m26.09s NA  
## decstr-61d59m49.96s NA  
## decstr-62d27m19.93s NA  
## decstr-62d28m09.54s NA  
## decstr-62d40m34.26s NA  
## decstr-62d42m06.59s NA  
## decstr-62d46m02.16s NA  
## decstr-62d49m25.53s NA  
## decstr-63d15m37.19s NA  
## decstr-63d30m00.60s NA  
## decstr-63d31m04.00s NA  
## decstr-63d33m56.34s NA  
## decstr-63d38m48.08s NA  
## decstr-63d39m20.49s NA  
## decstr-63d59m17.98s NA  
## decstr-64d01m20.46s NA  
## decstr-64d01m37.34s NA  
## decstr-64d37m12.98s NA  
## decstr-64d42m45.72s NA  
## decstr-65d11m10.77s NA  
## decstr-65d11m37.61s NA  
## decstr-65d26m58.92s NA  
## decstr-65d34m43.01s NA  
## decstr-65d38m46.77s NA  
## decstr-65d39m09.78s NA  
## decstr-65d49m33.02s NA  
## decstr-66d06m50.13s NA  
## decstr-66d11m19.30s NA  
## decstr-66d21m32.14s NA  
## decstr-66d28m04.02s NA  
## decstr-66d40m34.86s NA  
## decstr-66d41m11.87s NA  
## decstr-66d48m01.71s NA  
## decstr-67d15m55.30s NA  
## decstr-67d19m25.68s NA  
## decstr-67d38m49.15s NA  
## decstr-68d06m09.68s NA  
## decstr-68d18m52.08s NA  
## decstr-68d25m28.80s NA  
## decstr-68d45m46.76s NA  
## decstr-68d50m00.03s NA  
## decstr-69d13m35.73s NA  
## decstr-69d56m42.24s NA  
## decstr-70d01m28.27s NA  
## decstr-70d04m24.22s NA  
## decstr-70d08m17.66s NA  
## decstr-70d09m10.30s NA  
## decstr-70d29m06.26s NA  
## decstr-70d54m11.69s NA  
## decstr-71d21m41.87s NA  
## decstr-71d25m20.96s NA  
## decstr-71d52m36.74s NA  
## decstr-71d53m43.90s NA  
## decstr-72d19m18.92s NA  
## decstr-72d21m24.14s NA  
## decstr-72d48m16.71s NA  
## decstr-73d36m21.73s NA  
## decstr-73d41m59.33s NA  
## decstr-73d57m27.16s NA  
## decstr-74d24m36.26s NA  
## decstr-75d11m56.20s NA  
## decstr-75d20m57.26s NA  
## decstr-75d21m05.40s NA  
## decstr-75d32m39.37s NA  
## decstr-75d38m47.62s NA  
## decstr-76d18m14.52s NA  
## decstr-76d40m50.18s NA  
## decstr-77d20m19.69s NA  
## decstr-77d23m07.18s NA  
## decstr-77d23m27.91s NA  
## decstr-77d43m05.96s NA  
## decstr-78d01m25.26s NA  
## decstr-78d16m44.93s NA  
## decstr-79d51m05.12s NA  
## decstr-80d12m15.90s NA  
## decstr-80d27m52.57s NA  
## decstr-81d15m02.68s NA  
## decstr-81d27m15.39s NA  
## decstr-81d46m06.42s NA  
## decstr-82d01m38.97s NA  
## decstr-82d13m07.93s NA  
## decstr-83d44m37.56s NA  
## decstr-84d13m54.30s NA  
## decstr-86d58m47.87s NA  
## decstr-88d07m16.00s NA  
## decstr+00d06m16.09s NA  
## decstr+00d07m18.61s NA  
## decstr+00d13m36.82s NA  
## decstr+00d15m16.85s NA  
## decstr+00d18m24.08s NA  
## decstr+00d24m30.82s NA  
## decstr+00d26m40.94s NA  
## decstr+00d29m35.40s NA  
## decstr+00d36m12.95s NA  
## decstr+00d44m45.65s NA  
## decstr+00d45m31.77s NA  
## decstr+00d47m21.63s NA  
## decstr+00d47m57.44s NA  
## decstr+00d48m54.78s NA  
## decstr+00d53m46.60s NA  
## decstr+00d56m14.20s NA  
## decstr+01d03m54.08s NA  
## decstr+01d10m03.31s NA  
## decstr+01d12m01.84s NA  
## decstr+01d13m50.25s NA  
## decstr+01d17m09.12s NA  
## decstr+01d18m00.55s NA  
## decstr+01d23m01.19s NA  
## decstr+01d25m34.67s NA  
## decstr+01d32m31.20s NA  
## decstr+01d41m26.24s NA  
## decstr+01d43m44.43s NA  
## decstr+01d46m03.18s NA  
## decstr+01d51m32.79s NA  
## decstr+01d51m35.62s NA  
## decstr+01d53m37.81s NA  
## decstr+02d03m44.20s NA  
## decstr+02d05m04.04s NA  
## decstr+02d05m54.92s NA  
## decstr+02d11m46.69s NA  
## decstr+02d14m40.85s NA  
## decstr+02d20m06.10s NA  
## decstr+02d20m35.83s NA  
## decstr+02d22m15.79s NA  
## decstr+02d25m05.50s NA  
## decstr+02d25m52.58s NA  
## decstr+02d34m50.78s NA  
## decstr+02d35m38.84s NA  
## decstr+02d42m01.40s NA  
## decstr+02d42m10.02s NA  
## decstr+02d42m15.91s NA  
## decstr+02d45m36.39s NA  
## decstr+02d48m56.91s NA  
## decstr+02d49m15.57s NA  
## decstr+03d00m25.68s NA  
## decstr+03d05m45.28s NA  
## decstr+03d16m56.52s NA  
## decstr+03d17m38.22s NA  
## decstr+03d19m36.12s NA  
## decstr+03d20m13.79s NA  
## decstr+03d23m50.06s NA  
## decstr+03d28m27.17s NA  
## decstr+03d29m06.05s NA  
## decstr+03d42m38.04s NA  
## decstr+03d48m12.01s NA  
## decstr+03d51m59.41s NA  
## decstr+04d03m33.90s NA  
## decstr+04d15m53.76s NA  
## decstr+04d21m27.91s NA  
## decstr+04d22m50.60s NA  
## decstr+04d34m30.90s NA  
## decstr+04d34m38.04s NA  
## decstr+04d34m50.05s NA  
## decstr+04d37m56.54s NA  
## decstr+04d40m20.68s NA  
## decstr+04d47m13.30s NA  
## decstr+04d57m38.45s NA  
## decstr+05d09m47.38s NA  
## decstr+05d24m36.27s NA  
## decstr+05d27m45.03s NA  
## decstr+05d32m18.17s NA  
## decstr+05d34m25.29s NA  
## decstr+05d36m19.34s NA  
## decstr+05d42m02.97s NA  
## decstr+05d50m12.72s NA  
## decstr+05d54m10.32s NA  
## decstr+05d56m15.57s NA  
## decstr+05d56m50.51s NA  
## decstr+06d03m34.24s NA  
## decstr+06d05m49.50s NA  
## decstr+06d12m14.68s NA  
## decstr+06d12m57.97s NA  
## decstr+06d13m09.00s NA  
## decstr+06d20m49.31s NA  
## decstr+06d20m59.64s NA  
## decstr+06d24m25.71s NA  
## decstr+06d24m44.34s NA  
## decstr+06d25m45.59s NA  
## decstr+06d28m30.84s NA  
## decstr+06d28m46.45s NA  
## decstr+06d30m49.76s NA  
## decstr+06d33m49.62s NA  
## decstr+06d39m47.54s NA  
## decstr+06d46m55.11s NA  
## decstr+06d49m00.22s NA  
## decstr+06d50m09.36s NA  
## decstr+06d52m07.85s NA  
## decstr+06d56m44.46s NA  
## decstr+06d58m11.22s NA  
## decstr+07d03m22.61s NA  
## decstr+07d11m00.05s NA  
## decstr+07d11m00.15s NA  
## decstr+07d16m51.26s NA  
## decstr+07d21m09.78s NA  
## decstr+07d21m09.97s NA  
## decstr+07d26m06.28s NA  
## decstr+07d35m16.19s NA  
## decstr+07d50m42.18s NA  
## decstr+08d21m28.51s NA  
## decstr+08d27m39.98s NA  
## decstr+08d31m22.86s NA  
## decstr+08d38m34.39s NA  
## decstr+08d45m39.89s NA  
## decstr+09d10m44.65s NA  
## decstr+09d11m07.19s NA  
## decstr+09d44m43.57s NA  
## decstr+09d44m57.91s NA  
## decstr+09d59m52.73s NA  
## decstr+10d01m56.68s NA  
## decstr+10d02m17.16s NA  
## decstr+10d02m25.55s NA  
## decstr+10d07m43.85s NA  
## decstr+10d12m23.71s NA  
## decstr+10d14m47.68s NA  
## decstr+10d22m21.14s NA  
## decstr+10d27m46.58s NA  
## decstr+10d28m09.18s NA  
## decstr+10d35m49.91s NA  
## decstr+10d44m20.03s NA  
## decstr+10d47m40.94s NA  
## decstr+10d50m12.47s NA  
## decstr+10d50m20.90s NA  
## decstr+10d50m51.21s NA  
## decstr+10d56m01.04s NA  
## decstr+10d58m58.62s NA  
## decstr+11d03m22.23s NA  
## decstr+11d03m53.94s NA  
## decstr+11d12m41.65s NA  
## decstr+11d15m00.08s NA  
## decstr+11d15m05.93s NA  
## decstr+11d30m39.94s NA  
## decstr+11d33m45.49s NA  
## decstr+11d41m32.94s NA  
## decstr+11d41m42.25s NA  
## decstr+11d41m43.53s NA  
## decstr+11d45m13.38s NA  
## decstr+11d53m02.61s NA  
## decstr+11d55m08.66s NA  
## decstr+11d55m20.12s NA  
## decstr+11d58m25.26s NA  
## decstr+11d59m21.72s NA  
## decstr+12d08m21.65s NA  
## decstr+12d16m54.66s NA  
## decstr+12d21m07.24s NA  
## decstr+12d30m25.29s NA  
## decstr+12d37m15.38s NA  
## decstr+12d52m53.68s NA  
## decstr+12d57m35.89s NA  
## decstr+13d02m39.54s NA  
## decstr+13d13m59.00s NA  
## decstr+13d14m22.03s NA  
## decstr+13d21m58.72s NA  
## decstr+13d23m20.01s NA  
## decstr+13d31m09.07s NA  
## decstr+13d33m02.59s NA  
## decstr+13d46m34.71s NA  
## decstr+14d03m16.86s NA  
## decstr+14d07m26.47s NA  
## decstr+14d15m45.38s NA  
## decstr+14d22m04.33s NA  
## decstr+14d30m07.40s NA  
## decstr+14d36m58.75s NA  
## decstr+14d41m21.78s NA  
## decstr+15d14m51.73s NA  
## decstr+15d20m05.80s NA  
## decstr+15d23m28.35s NA  
## decstr+15d25m50.20s NA  
## decstr+15d32m48.30s NA  
## decstr+15d33m31.68s NA  
## decstr+15d39m21.23s NA  
## decstr+15d39m22.88s NA  
## decstr+15d40m50.17s NA  
## decstr+16d02m25.73s NA  
## decstr+16d25m10.26s NA  
## decstr+16d28m27.68s NA  
## decstr+16d29m39.39s NA  
## decstr+16d37m56.39s NA  
## decstr+16d45m43.73s NA  
## decstr+16d51m53.65s NA  
## decstr+16d52m03.70s NA  
## decstr+16d54m06.36s NA  
## decstr+16d54m45.24s NA  
## decstr+17d00m57.74s NA  
## decstr+17d05m08.59s NA  
## decstr+17d27m25.79s NA  
## decstr+17d27m37.92s NA  
## decstr+17d28m31.03s NA  
## decstr+17d33m58.57s NA  
## decstr+17d34m11.87s NA  
## decstr+17d34m45.58s NA  
## decstr+17d38m23.91s NA  
## decstr+17d47m35.71s NA  
## decstr+17d49m48.10s NA  
## decstr+17d53m41.93s NA  
## decstr+18d06m17.20s NA  
## decstr+18d11m08.62s NA  
## decstr+18d11m22.59s NA  
## decstr+18d14m06.94s NA  
## decstr+18d23m46.17s NA  
## decstr+18d27m53.82s NA  
## decstr+18d35m45.42s NA  
## decstr+18d38m44.71s NA  
## decstr+18d39m15.56s NA  
## decstr+18d43m47.83s NA  
## decstr+18d46m09.30s NA  
## decstr+18d53m03.27s NA  
## decstr+18d56m01.75s NA  
## decstr+18d57m12.09s NA  
## decstr+18d58m35.83s NA  
## decstr+19d01m12.57s NA  
## decstr+19d05m32.43s NA  
## decstr+19d07m11.88s NA  
## decstr+19d10m49.00s NA  
## decstr+19d16m37.05s NA  
## decstr+19d24m07.40s NA  
## decstr+19d33m30.26s NA  
## decstr+19d41m54.24s NA  
## decstr+19d46m25.39s NA  
## decstr+19d53m28.55s NA  
## decstr+19d56m13.20s NA  
## decstr+20d04m57.71s NA  
## decstr+20d06m21.63s NA  
## decstr+20d09m25.31s NA  
## decstr+20d13m36.54s NA  
## decstr+20d15m17.65s NA  
## decstr+20d17m32.33s NA  
## decstr+20d21m33.62s NA  
## decstr+20d21m52.59s NA  
## decstr+20d26m29.55s NA  
## decstr+20d26m54.21s NA  
## decstr+20d27m34.16s NA  
## decstr+20d29m29.49s NA  
## decstr+20d31m36.79s NA  
## decstr+20d35m56.47s NA  
## decstr+20d43m44.32s NA  
## decstr+20d46m08.74s NA  
## decstr+21d00m18.97s NA  
## decstr+21d05m49.67s NA  
## decstr+21d08m02.54s NA  
## decstr+21d14m23.72s NA  
## decstr+21d14m55.98s NA  
## decstr+21d16m52.78s NA  
## decstr+21d17m39.27s NA  
## decstr+21d17m54.69s NA  
## decstr+21d27m11.79s NA  
## decstr+21d32m53.52s NA  
## decstr+21d37m00.86s NA  
## decstr+21d53m40.87s NA  
## decstr+21d56m53.16s NA  
## decstr+22d09m09.41s NA  
## decstr+22d14m09.31s NA  
## decstr+22d17m57.66s NA  
## decstr+22d28m20.83s NA  
## decstr+22d42m35.19s NA  
## decstr+22d52m45.98s NA  
## decstr+22d52m57.24s NA  
## decstr+22d55m54.97s NA  
## decstr+23d03m20.47s NA  
## decstr+23d07m58.62s NA  
## decstr+23d22m29.57s NA  
## decstr+23d46m03.56s NA  
## decstr+23d56m17.59s NA  
## decstr+24d04m35.63s NA  
## decstr+24d07m38.09s NA  
## decstr+24d08m34.57s NA  
## decstr+24d12m17.00s NA  
## decstr+24d14m42.51s NA  
## decstr+24d20m10.03s NA  
## decstr+24d21m39.52s NA  
## decstr+24d24m05.96s NA  
## decstr+24d27m50.19s NA  
## decstr+24d38m52.84s NA  
## decstr+24d38m54.50s NA  
## decstr+24d53m21.40s NA  
## decstr+25d11m50.48s NA  
## decstr+25d24m48.83s NA  
## decstr+25d28m56.64s NA  
## decstr+25d34m23.29s NA  
## decstr+25d40m53.94s NA  
## decstr+25d42m38.15s NA  
## decstr+25d43m52.13s NA  
## decstr+25d44m31.10s NA  
## decstr+25d55m13.56s NA  
## decstr+26d00m24.17s NA  
## decstr+26d18m37.47s NA  
## decstr+26d19m39.65s NA  
## decstr+26d25m07.76s NA  
## decstr+26d25m35.78s NA  
## decstr+26d37m02.21s NA  
## decstr+26d41m33.63s NA  
## decstr+26d42m11.04s NA  
## decstr+26d44m34.46s NA  
## decstr+26d52m20.58s NA  
## decstr+26d52m39.42s NA  
## decstr+27d12m51.76s NA  
## decstr+27d15m07.86s NA  
## decstr+27d18m11.06s NA  
## decstr+27d21m47.28s NA  
## decstr+27d27m07.21s NA  
## decstr+27d28m13.49s NA  
## decstr+27d37m27.98s NA  
## decstr+28d05m59.92s NA  
## decstr+28d10m10.65s NA  
## decstr+28d18m23.60s NA  
## decstr+28d19m47.34s NA  
## decstr+28d22m57.77s NA  
## decstr+28d29m58.25s NA  
## decstr+28d33m57.66s NA  
## decstr+29d01m20.10s NA  
## decstr+29d03m58.35s NA  
## decstr+29d13m41.38s NA  
## decstr+29d15m53.71s NA  
## decstr+29d23m19.12s NA  
## decstr+29d34m21.61s NA  
## decstr+29d36m57.68s NA  
## decstr+29d40m20.16s NA  
## decstr+29d52m44.55s NA  
## decstr+29d53m40.35s NA  
## decstr+30d14m41.84s NA  
## decstr+30d17m11.75s NA  
## decstr+30d26m42.61s NA  
## decstr+30d29m17.48s NA  
## decstr+30d38m24.52s NA  
## decstr+30d40m24.17s NA  
## decstr+30d57m25.68s NA  
## decstr+30d57m27.53s NA  
## decstr+30d58m30.22s NA  
## decstr+31d09m21.28s NA  
## decstr+31d13m09.12s NA  
## decstr+31d27m45.90s NA  
## decstr+31d33m04.16s NA  
## decstr+31d33m14.33s NA  
## decstr+31d39m08.76s NA  
## decstr+31d39m39.67s NA  
## decstr+31d44m22.36s NA  
## decstr+31d47m15.07s NA  
## decstr+31d49m33.19s NA  
## decstr+31d51m37.58s NA  
## decstr+31d59m23.90s NA  
## decstr+32d05m02.56s NA  
## decstr+32d14m45.76s NA  
## decstr+32d18m59.24s NA  
## decstr+32d34m51.76s NA  
## decstr+32d48m38.52s NA  
## decstr+33d00m44.37s NA  
## decstr+33d03m24.08s NA  
## decstr+33d15m59.27s NA  
## decstr+33d18m00.67s NA  
## decstr+33d19m04.63s NA  
## decstr+33d21m17.74s NA  
## decstr+33d44m39.80s NA  
## decstr+33d50m06.08s NA  
## decstr+33d52m56.38s NA  
## decstr+33d54m17.39s NA  
## decstr+33d57m02.08s NA  
## decstr+34d08m03.02s NA  
## decstr+34d14m31.19s NA  
## decstr+34d25m08.36s NA  
## decstr+34d34m45.62s NA  
## decstr+34d36m02.51s NA  
## decstr+34d42m41.05s NA  
## decstr+34d43m42.25s NA  
## decstr+34d46m50.12s NA  
## decstr+34d54m52.80s NA  
## decstr+34d59m07.19s NA  
## decstr+35d24m29.21s NA  
## decstr+35d26m49.84s NA  
## decstr+35d27m16.58s NA  
## decstr+35d38m55.05s NA  
## decstr+35d39m21.17s NA  
## decstr+35d39m41.15s NA  
## decstr+36d12m46.64s NA  
## decstr+36d13m46.36s NA  
## decstr+36d17m46.66s NA  
## decstr+36d33m24.69s NA  
## decstr+36d33m47.27s NA  
## decstr+36d34m12.63s NA  
## decstr+36d34m38.44s NA  
## decstr+36d37m17.26s NA  
## decstr+36d37m57.13s NA  
## decstr+36d44m36.35s NA  
## decstr+36d47m13.11s NA  
## decstr+36d48m23.78s NA  
## decstr+36d48m55.78s NA  
## decstr+37d01m18.57s NA  
## decstr+37d03m33.33s NA  
## decstr+37d06m44.21s NA  
## decstr+37d08m26.14s NA  
## decstr+37d12m42.26s NA  
## decstr+37d13m16.34s NA  
## decstr+37d14m13.10s NA  
## decstr+37d15m09.57s NA  
## decstr+37d17m13.80s NA  
## decstr+37d17m20.76s NA  
## decstr+37d19m14.74s NA  
## decstr+37d21m18.57s NA  
## decstr+37d22m34.27s NA  
## decstr+37d22m34.54s NA  
## decstr+37d23m13.17s NA  
## decstr+37d24m40.84s NA  
## decstr+37d24m42.96s NA  
## decstr+37d31m44.28s NA  
## decstr+37d32m14.33s NA  
## decstr+37d32m46.78s NA  
## decstr+37d33m01.60s NA  
## decstr+37d34m04.06s NA  
## decstr+37d34m50.77s NA  
## decstr+37d36m33.26s NA  
## decstr+37d40m58.05s NA  
## decstr+37d41m19.72s NA  
## decstr+37d43m23.23s NA  
## decstr+37d44m57.94s NA  
## decstr+37d45m05.30s NA  
## decstr+37d45m32.43s NA  
## decstr+37d45m59.58s NA  
## decstr+37d46m11.54s NA  
## decstr+37d49m46.61s NA  
## decstr+37d50m06.20s NA  
## decstr+37d50m46.15s NA  
## decstr+37d51m05.96s NA  
## decstr+37d51m33.28s NA  
## decstr+37d51m36.60s NA  
## decstr+37d53m28.62s NA  
## decstr+37d54m08.52s NA  
## decstr+37d54m20.27s NA  
## decstr+37d56m04.45s NA  
## decstr+37d57m09.92s NA  
## decstr+37d57m20.42s NA  
## decstr+37d57m52.44s NA  
## decstr+37d58m01.01s NA  
## decstr+37d58m11.41s NA  
## decstr+37d58m16.95s NA  
## decstr+37d58m28.04s NA  
## decstr+37d59m49.45s NA  
## decstr+38d00m34.35s NA  
## decstr+38d00m50.59s NA  
## decstr+38d01m19.15s NA  
## decstr+38d02m08.90s NA  
## decstr+38d03m18.12s NA  
## decstr+38d03m27.19s NA  
## decstr+38d04m47.42s NA  
## decstr+38d05m17.15s NA  
## decstr+38d05m18.31s NA  
## decstr+38d06m52.74s NA  
## decstr+38d07m34.54s NA  
## decstr+38d07m38.85s NA  
## decstr+38d08m42.74s NA  
## decstr+38d11m03.07s NA  
## decstr+38d12m42.82s NA  
## decstr+38d12m59.62s NA  
## decstr+38d13m44.67s NA  
## decstr+38d13m59.12s NA  
## decstr+38d14m31.81s NA  
## decstr+38d15m05.91s NA  
## decstr+38d15m29.40s NA  
## decstr+38d15m44.05s NA  
## decstr+38d15m58.62s NA  
## decstr+38d16m01.19s NA  
## decstr+38d16m24.95s NA  
## decstr+38d17m40.95s NA  
## decstr+38d17m49.32s NA  
## decstr+38d18m34.64s NA  
## decstr+38d19m06.61s NA  
## decstr+38d20m24.04s NA  
## decstr+38d20m37.42s NA  
## decstr+38d20m44.00s NA  
## decstr+38d20m51.13s NA  
## decstr+38d21m19.70s NA  
## decstr+38d21m29.41s NA  
## decstr+38d21m47.38s NA  
## decstr+38d22m08.90s NA  
## decstr+38d22m29.54s NA  
## decstr+38d23m02.73s NA  
## decstr+38d23m36.38s NA  
## decstr+38d23m51.86s NA  
## decstr+38d23m58.43s NA  
## decstr+38d24m02.95s NA  
## decstr+38d24m18.87s NA  
## decstr+38d24m37.15s NA  
## decstr+38d25m22.51s NA  
## decstr+38d27m25.05s NA  
## decstr+38d27m29.55s NA  
## decstr+38d28m22.38s NA  
## decstr+38d28m37.98s NA  
## decstr+38d29m40.77s NA  
## decstr+38d29m42.87s NA  
## decstr+38d29m53.49s NA  
## decstr+38d30m53.65s NA  
## decstr+38d31m14.55s NA  
## decstr+38d31m19.14s NA  
## decstr+38d31m24.86s NA  
## decstr+38d32m23.48s NA  
## decstr+38d32m44.06s NA  
## decstr+38d32m54.77s NA  
## decstr+38d33m54.71s NA  
## decstr+38d34m22.48s NA  
## decstr+38d35m29.75s NA  
## decstr+38d36m40.00s NA  
## decstr+38d37m21.58s NA  
## decstr+38d38m13.34s NA  
## decstr+38d38m20.59s NA  
## decstr+38d38m40.02s NA  
## decstr+38d38m59.04s NA  
## decstr+38d39m15.13s NA  
## decstr+38d39m15.71s NA  
## decstr+38d39m21.40s NA  
## decstr+38d39m27.16s NA  
## decstr+38d40m20.32s NA  
## decstr+38d40m29.71s NA  
## decstr+38d41m27.62s NA  
## decstr+38d42m08.17s NA  
## decstr+38d42m36.80s NA  
## decstr+38d42m50.90s NA  
## decstr+38d43m41.78s NA  
## decstr+38d44m08.43s NA  
## decstr+38d44m08.65s NA  
## decstr+38d44m18.84s NA  
## decstr+38d44m25.08s NA  
## decstr+38d44m36.60s NA  
## decstr+38d45m14.70s NA  
## decstr+38d46m27.94s NA  
## decstr+38d46m46.38s NA  
## decstr+38d47m15.92s NA  
## decstr+38d47m25.67s NA  
## decstr+38d47m43.78s NA  
## decstr+38d48m21.02s NA  
## decstr+38d49m14.52s NA  
## decstr+38d51m23.73s NA  
## decstr+38d51m45.13s NA  
## decstr+38d51m47.84s NA  
## decstr+38d51m59.26s NA  
## decstr+38d52m19.96s NA  
## decstr+38d52m29.69s NA  
## decstr+38d52m32.18s NA  
## decstr+38d52m53.66s NA  
## decstr+38d53m31.02s NA  
## decstr+38d53m31.90s NA  
## decstr+38d53m40.22s NA  
## decstr+38d54m53.81s NA  
## decstr+38d55m20.52s NA  
## decstr+38d55m20.84s NA  
## decstr+38d55m40.61s NA  
## decstr+38d55m56.85s NA  
## decstr+38d56m12.32s NA  
## decstr+38d56m21.20s NA  
## decstr+38d56m33.83s NA  
## decstr+38d56m44.13s NA  
## decstr+38d56m44.96s NA  
## decstr+38d56m47.90s NA  
## decstr+38d56m50.15s NA  
## decstr+38d56m50.43s NA  
## decstr+38d57m36.28s NA  
## decstr+38d57m45.83s NA  
## decstr+38d58m00.89s NA  
## decstr+38d58m05.21s NA  
## decstr+38d59m48.81s NA  
## decstr+39d01m19.84s NA  
## decstr+39d01m45.94s NA  
## decstr+39d01m55.38s NA  
## decstr+39d02m10.72s NA  
## decstr+39d02m52.93s NA  
## decstr+39d03m06.44s NA  
## decstr+39d03m38.81s NA  
## decstr+39d04m25.43s NA  
## decstr+39d04m38.13s NA  
## decstr+39d05m09.51s NA  
## decstr+39d05m13.80s NA  
## decstr+39d05m40.09s NA  
## decstr+39d05m45.70s NA  
## decstr+39d05m53.23s NA  
## decstr+39d06m54.73s NA  
## decstr+39d07m15.38s NA  
## decstr+39d07m36.74s NA  
## decstr+39d07m38.52s NA  
## decstr+39d07m51.59s NA  
## decstr+39d08m30.03s NA  
## decstr+39d08m40.95s NA  
## decstr+39d09m11.85s NA  
## decstr+39d09m41.81s NA  
## decstr+39d10m23.75s NA  
## decstr+39d10m38.25s NA  
## decstr+39d12m05.05s NA  
## decstr+39d12m43.49s NA  
## decstr+39d12m44.78s NA  
## decstr+39d13m12.63s NA  
## decstr+39d13m14.19s NA  
## decstr+39d13m38.25s NA  
## decstr+39d13m49.90s NA  
## decstr+39d14m09.01s NA  
## decstr+39d14m25.83s NA  
## decstr+39d14m39.02s NA  
## decstr+39d14m57.02s NA  
## decstr+39d14m59.46s NA  
## decstr+39d15m10.15s NA  
## decstr+39d15m22.06s NA  
## decstr+39d15m27.89s NA  
## decstr+39d16m08.19s NA  
## decstr+39d16m13.29s NA  
## decstr+39d16m41.65s NA  
## decstr+39d16m48.25s NA  
## decstr+39d17m06.96s NA  
## decstr+39d17m22.70s NA  
## decstr+39d18m26.45s NA  
## decstr+39d18m30.04s NA  
## decstr+39d18m51.32s NA  
## decstr+39d18m57.36s NA  
## decstr+39d19m11.71s NA  
## decstr+39d19m57.71s NA  
## decstr+39d20m19.73s NA  
## decstr+39d20m20.75s NA  
## decstr+39d22m13.03s NA  
## decstr+39d22m14.90s NA  
## decstr+39d22m35.26s NA  
## decstr+39d22m46.09s NA  
## decstr+39d22m59.53s NA  
## decstr+39d23m01.66s NA  
## decstr+39d23m28.82s NA  
## decstr+39d23m47.80s NA  
## decstr+39d23m54.27s NA  
## decstr+39d24m12.26s NA  
## decstr+39d24m21.51s NA  
## decstr+39d25m03.25s NA  
## decstr+39d26m48.41s NA  
## decstr+39d26m48.58s NA  
## decstr+39d27m28.81s NA  
## decstr+39d27m38.17s NA  
## decstr+39d29m16.45s NA  
## decstr+39d31m11.41s NA  
## decstr+39d31m18.11s NA  
## decstr+39d31m22.34s NA  
## decstr+39d31m24.29s NA  
## decstr+39d31m37.29s NA  
## decstr+39d32m22.90s NA  
## decstr+39d33m00.41s NA  
## decstr+39d33m21.84s NA  
## decstr+39d33m49.31s NA  
## decstr+39d34m22.25s NA  
## decstr+39d35m41.11s NA  
## decstr+39d35m54.73s NA  
## decstr+39d36m13.04s NA  
## decstr+39d37m08.30s NA  
## decstr+39d37m51.31s NA  
## decstr+39d38m15.09s NA  
## decstr+39d38m21.41s NA  
## decstr+39d39m31.06s NA  
## decstr+39d39m56.89s NA  
## decstr+39d40m40.87s NA  
## decstr+39d40m59.26s NA  
## decstr+39d42m21.96s NA  
## decstr+39d42m29.54s NA  
## decstr+39d43m21.73s NA  
## decstr+39d43m55.19s NA  
## decstr+39d44m40.76s NA  
## decstr+39d46m04.29s NA  
## decstr+39d46m14.32s NA  
## decstr+39d46m17.31s NA  
## decstr+39d46m53.53s NA  
## decstr+39d47m01.85s NA  
## decstr+39d47m07.84s NA  
## decstr+39d49m00.87s NA  
## decstr+39d49m26.38s NA  
## decstr+39d49m30.16s NA  
## decstr+39d50m52.37s NA  
## decstr+39d51m17.29s NA  
## decstr+39d52m21.02s NA  
## decstr+39d52m38.04s NA  
## decstr+39d52m59.09s NA  
## decstr+39d53m11.42s NA  
## decstr+39d53m53.49s NA  
## decstr+39d54m28.42s NA  
## decstr+39d54m42.80s NA  
## decstr+39d54m43.87s NA  
## decstr+39d54m50.82s NA  
## decstr+39d55m01.24s NA  
## decstr+39d55m16.82s NA  
## decstr+39d56m02.00s NA  
## decstr+39d56m20.10s NA  
## decstr+39d56m32.63s NA  
## decstr+39d56m42.27s NA  
## decstr+39d56m56.49s NA  
## decstr+39d57m10.30s NA  
## decstr+39d57m24.81s NA  
## decstr+39d58m43.48s NA  
## decstr+39d59m52.54s NA  
## decstr+40d00m03.88s NA  
## decstr+40d00m30.55s NA  
## decstr+40d01m07.29s NA  
## decstr+40d01m39.64s NA  
## decstr+40d01m59.63s NA  
## decstr+40d03m18.49s NA  
## decstr+40d03m52.15s NA  
## decstr+40d05m12.91s NA  
## decstr+40d05m51.76s NA  
## decstr+40d07m31.53s NA  
## decstr+40d07m57.07s NA  
## decstr+40d08m13.08s NA  
## decstr+40d08m18.88s NA  
## decstr+40d08m32.14s NA  
## decstr+40d08m32.91s NA  
## decstr+40d08m34.03s NA  
## decstr+40d08m36.05s NA  
## decstr+40d08m39.83s NA  
## decstr+40d09m13.33s NA  
## decstr+40d09m46.22s NA  
## decstr+40d09m50.92s NA  
## decstr+40d11m03.45s NA  
## decstr+40d11m40.68s NA  
## decstr+40d12m41.12s NA  
## decstr+40d12m47.48s NA  
## decstr+40d13m15.44s NA  
## decstr+40d13m41.42s NA  
## decstr+40d13m45.60s NA  
## decstr+40d14m06.16s NA  
## decstr+40d14m10.50s NA  
## decstr+40d14m27.68s NA  
## decstr+40d14m42.72s NA  
## decstr+40d14m58.73s NA  
## decstr+40d16m11.34s NA  
## decstr+40d16m42.80s NA  
## decstr+40d16m59.71s NA  
## decstr+40d17m05.67s NA  
## decstr+40d17m15.78s NA  
## decstr+40d17m30.80s NA  
## decstr+40d17m35.06s NA  
## decstr+40d18m01.99s NA  
## decstr+40d18m40.33s NA  
## decstr+40d20m35.40s NA  
## decstr+40d20m37.32s NA  
## decstr+40d20m39.10s NA  
## decstr+40d20m46.52s NA  
## decstr+40d21m08.70s NA  
## decstr+40d21m18.81s NA  
## decstr+40d21m29.58s NA  
## decstr+40d21m46.39s NA  
## decstr+40d21m57.27s NA  
## decstr+40d21m57.69s NA  
## decstr+40d21m59.03s NA  
## decstr+40d22m30.11s NA  
## decstr+40d22m51.07s NA  
## decstr+40d23m16.60s NA  
## decstr+40d23m20.44s NA  
## decstr+40d23m51.75s NA  
## decstr+40d24m35.57s NA  
## decstr+40d25m03.51s NA  
## decstr+40d25m13.64s NA  
## decstr+40d25m18.34s NA  
## decstr+40d25m39.14s NA  
## decstr+40d25m49.78s NA  
## decstr+40d26m22.47s NA  
## decstr+40d28m39.91s NA  
## decstr+40d28m48.19s NA  
## decstr+40d29m26.25s NA  
## decstr+40d29m45.90s NA  
## decstr+40d31m15.23s NA  
## decstr+40d31m30.73s NA  
## decstr+40d31m50.63s NA  
## decstr+40d32m49.89s NA  
## decstr+40d32m54.20s NA  
## decstr+40d32m54.58s NA  
## decstr+40d33m10.10s NA  
## decstr+40d33m23.69s NA  
## decstr+40d33m26.76s NA  
## decstr+40d33m27.15s NA  
## decstr+40d33m44.99s NA  
## decstr+40d34m03.71s NA  
## decstr+40d34m07.95s NA  
## decstr+40d34m17.80s NA  
## decstr+40d34m20.54s NA  
## decstr+40d34m29.65s NA  
## decstr+40d34m38.32s NA  
## decstr+40d35m26.53s NA  
## decstr+40d35m30.52s NA  
## decstr+40d36m18.71s NA  
## decstr+40d36m57.80s NA  
## decstr+40d37m06.41s NA  
## decstr+40d38m16.13s NA  
## decstr+40d38m53.47s NA  
## decstr+40d39m04.63s NA  
## decstr+40d39m22.23s NA  
## decstr+40d39m47.99s NA  
## decstr+40d39m51.04s NA  
## decstr+40d40m04.45s NA  
## decstr+40d40m09.89s NA  
## decstr+40d40m14.76s NA  
## decstr+40d40m50.67s NA  
## decstr+40d40m53.85s NA  
## decstr+40d41m06.78s NA  
## decstr+40d41m31.47s NA  
## decstr+40d41m42.15s NA  
## decstr+40d41m47.76s NA  
## decstr+40d42m01.54s NA  
## decstr+40d42m09.85s NA  
## decstr+40d42m31.45s NA  
## decstr+40d43m11.39s NA  
## decstr+40d43m16.34s NA  
## decstr+40d43m20.02s NA  
## decstr+40d43m54.95s NA  
## decstr+40d44m24.15s NA  
## decstr+40d45m00.76s NA  
## decstr+40d45m02.49s NA  
## decstr+40d45m30.31s NA  
## decstr+40d45m50.85s NA  
## decstr+40d46m36.96s NA  
## decstr+40d46m42.74s NA  
## decstr+40d47m03.91s NA  
## decstr+40d47m34.04s NA  
## decstr+40d48m02.53s NA  
## decstr+40d48m24.44s NA  
## decstr+40d48m40.99s NA  
## decstr+40d49m20.57s NA  
## decstr+40d49m59.22s NA  
## decstr+40d50m19.61s NA  
## decstr+40d50m37.87s NA  
## decstr+40d51m01.78s NA  
## decstr+40d51m10.55s NA  
## decstr+40d51m24.88s NA  
## decstr+40d52m02.02s NA  
## decstr+40d52m07.44s NA  
## decstr+40d52m37.66s NA  
## decstr+40d53m15.65s NA  
## decstr+40d53m55.75s NA  
## decstr+40d53m56.58s NA  
## decstr+40d54m48.75s NA  
## decstr+40d54m58.46s NA  
## decstr+40d55m09.78s NA  
## decstr+40d55m59.42s NA  
## decstr+40d56m05.28s NA  
## decstr+40d56m10.29s NA  
## decstr+40d56m32.54s NA  
## decstr+40d56m56.18s NA  
## decstr+40d57m14.14s NA  
## decstr+40d58m38.12s NA  
## decstr+40d58m44.59s NA  
## decstr+40d58m47.53s NA  
## decstr+40d59m18.98s NA  
## decstr+40d59m25.47s NA  
## decstr+40d59m40.80s NA  
## decstr+41d00m39.67s NA  
## decstr+41d00m48.36s NA  
## decstr+41d01m18.61s NA  
## decstr+41d01m23.50s NA  
## decstr+41d01m40.87s NA  
## decstr+41d01m47.34s NA  
## decstr+41d02m08.70s NA  
## decstr+41d02m10.77s NA  
## decstr+41d02m16.85s NA  
## decstr+41d02m23.72s NA  
## decstr+41d02m25.83s NA  
## decstr+41d02m26.69s NA  
## decstr+41d02m28.51s NA  
## decstr+41d02m52.66s NA  
## decstr+41d03m25.32s NA  
## decstr+41d03m39.52s NA  
## decstr+41d03m49.84s NA  
## decstr+41d03m51.02s NA  
## decstr+41d04m10.23s NA  
## decstr+41d05m09.14s NA  
## decstr+41d05m23.04s NA  
## decstr+41d05m31.48s NA  
## decstr+41d05m50.34s NA  
## decstr+41d06m36.24s NA  
## decstr+41d06m41.02s NA  
## decstr+41d07m00.01s NA  
## decstr+41d07m49.02s NA  
## decstr+41d08m07.46s NA  
## decstr+41d08m15.23s NA  
## decstr+41d08m37.67s NA  
## decstr+41d09m02.85s NA  
## decstr+41d09m03.99s NA  
## decstr+41d09m04.28s NA  
## decstr+41d09m29.10s NA  
## decstr+41d10m58.13s NA  
## decstr+41d11m44.62s NA  
## decstr+41d11m46.84s NA  
## decstr+41d11m53.31s NA  
## decstr+41d12m03.94s NA  
## decstr+41d12m06.32s NA  
## decstr+41d12m13.03s NA  
## decstr+41d12m31.81s NA  
## decstr+41d13m17.74s NA  
## decstr+41d13m19.21s NA  
## decstr+41d13m28.06s NA  
## decstr+41d13m35.19s NA  
## decstr+41d13m44.17s NA  
## decstr+41d14m14.97s NA  
## decstr+41d14m27.98s NA  
## decstr+41d14m41.07s NA  
## decstr+41d15m20.62s NA  
## decstr+41d15m40.31s NA  
## decstr+41d16m22.08s NA  
## decstr+41d16m38.52s NA  
## decstr+41d16m45.01s NA  
## decstr+41d16m56.80s NA  
## decstr+41d17m42.74s NA  
## decstr+41d17m52.27s NA  
## decstr+41d17m56.56s NA  
## decstr+41d18m00.16s NA  
## decstr+41d18m06.29s NA  
## decstr+41d18m19.50s NA  
## decstr+41d18m20.06s NA  
## decstr+41d18m33.58s NA  
## decstr+41d19m04.67s NA  
## decstr+41d19m18.48s NA  
## decstr+41d19m52.91s NA  
## decstr+41d20m08.05s NA  
## decstr+41d20m08.43s NA  
## decstr+41d20m46.99s NA  
## decstr+41d21m19.83s NA  
## decstr+41d21m48.70s NA  
## decstr+41d21m54.06s NA  
## decstr+41d22m25.53s NA  
## decstr+41d22m37.80s NA  
## decstr+41d22m53.16s NA  
## decstr+41d23m05.08s NA  
## decstr+41d23m11.50s NA  
## decstr+41d23m17.05s NA  
## decstr+41d23m33.59s NA  
## decstr+41d23m37.81s NA  
## decstr+41d24m13.73s NA  
## decstr+41d24m28.05s NA  
## decstr+41d24m36.76s NA  
## decstr+41d25m00.62s NA  
## decstr+41d25m12.75s NA  
## decstr+41d25m29.35s NA  
## decstr+41d26m09.47s NA  
## decstr+41d26m27.68s NA  
## decstr+41d27m06.23s NA  
## decstr+41d27m08.53s NA  
## decstr+41d27m52.42s NA  
## decstr+41d28m17.59s NA  
## decstr+41d30m54.18s NA  
## decstr+41d31m23.97s NA  
## decstr+41d31m59.73s NA  
## decstr+41d32m00.92s NA  
## decstr+41d32m05.93s NA  
## decstr+41d32m28.32s NA  
## decstr+41d32m33.99s NA  
## decstr+41d32m50.92s NA  
## decstr+41d33m17.45s NA  
## decstr+41d33m29.09s NA  
## decstr+41d33m46.88s NA  
## decstr+41d33m56.80s NA  
## decstr+41d34m28.32s NA  
## decstr+41d34m30.66s NA  
## decstr+41d34m36.22s NA  
## decstr+41d35m20.10s NA  
## decstr+41d35m25.49s NA  
## decstr+41d36m10.46s NA  
## decstr+41d36m21.17s NA  
## decstr+41d36m54.39s NA  
## decstr+41d36m54.94s NA  
## decstr+41d37m01.95s NA  
## decstr+41d37m03.87s NA  
## decstr+41d37m46.76s NA  
## decstr+41d37m54.78s NA  
## decstr+41d37m57.58s NA  
## decstr+41d37m59.93s NA  
## decstr+41d38m08.16s NA  
## decstr+41d38m34.52s NA  
## decstr+41d38m40.72s NA  
## decstr+41d39m01.83s NA  
## decstr+41d39m42.21s NA  
## decstr+41d39m50.43s NA  
## decstr+41d40m42.92s NA  
## decstr+41d41m24.41s NA  
## decstr+41d41m56.53s NA  
## decstr+41d42m11.94s NA  
## decstr+41d42m23.18s NA  
## decstr+41d42m41.23s NA  
## decstr+41d43m37.00s NA  
## decstr+41d43m44.95s NA  
## decstr+41d43m48.55s NA  
## decstr+41d44m29.67s NA  
## decstr+41d44m33.72s NA  
## decstr+41d44m46.26s NA  
## decstr+41d45m20.14s NA  
## decstr+41d45m29.07s NA  
## decstr+41d45m29.97s NA  
## decstr+41d45m42.64s NA  
## decstr+41d46m33.53s NA  
## decstr+41d46m42.52s NA  
## decstr+41d46m53.92s NA  
## decstr+41d46m56.13s NA  
## decstr+41d47m13.07s NA  
## decstr+41d47m47.88s NA  
## decstr+41d48m30.30s NA  
## decstr+41d48m43.28s NA  
## decstr+41d49m18.62s NA  
## decstr+41d49m47.98s NA  
## decstr+41d50m01.83s NA  
## decstr+41d50m13.54s NA  
## decstr+41d51m39.37s NA  
## decstr+41d52m00.46s NA  
## decstr+41d52m18.51s NA  
## decstr+41d52m29.90s NA  
## decstr+41d52m40.59s NA  
## decstr+41d53m02.74s NA  
## decstr+41d53m04.86s NA  
## decstr+41d53m21.47s NA  
## decstr+41d53m28.03s NA  
## decstr+41d53m28.43s NA  
## decstr+41d53m34.14s NA  
## decstr+41d54m02.29s NA  
## decstr+41d54m32.79s NA  
## decstr+41d57m03.85s NA  
## decstr+41d57m08.47s NA  
## decstr+41d57m10.75s NA  
## decstr+41d58m00.98s NA  
## decstr+41d58m43.09s NA  
## decstr+41d59m20.25s NA  
## decstr+41d59m24.50s NA  
## decstr+41d59m37.93s NA  
## decstr+42d00m05.14s NA  
## decstr+42d00m09.08s NA  
## decstr+42d00m24.86s NA  
## decstr+42d00m53.21s NA  
## decstr+42d01m05.14s NA  
## decstr+42d01m24.11s NA  
## decstr+42d01m37.93s NA  
## decstr+42d02m02.26s NA  
## decstr+42d02m09.52s NA  
## decstr+42d02m25.81s NA  
## decstr+42d02m45.58s NA  
## decstr+42d03m40.84s NA  
## decstr+42d03m44.83s NA  
## decstr+42d04m13.21s NA  
## decstr+42d04m21.34s NA  
## decstr+42d04m32.17s NA  
## decstr+42d04m44.84s NA  
## decstr+42d05m07.12s NA  
## decstr+42d05m45.71s NA  
## decstr+42d06m57.52s NA  
## decstr+42d06m59.29s NA  
## decstr+42d07m54.26s NA  
## decstr+42d08m30.71s NA  
## decstr+42d08m32.22s NA  
## decstr+42d09m02.86s NA  
## decstr+42d09m56.56s NA  
## decstr+42d09m57.80s NA  
## decstr+42d09m59.44s NA  
## decstr+42d10m35.28s NA  
## decstr+42d10m49.70s NA  
## decstr+42d11m30.64s NA  
## decstr+42d11m41.36s NA  
## decstr+42d11m46.86s NA  
## decstr+42d11m52.35s NA  
## decstr+42d12m45.06s NA  
## decstr+42d12m47.41s NA  
## decstr+42d12m52.48s NA  
## decstr+42d13m19.56s NA  
## decstr+42d13m38.63s NA  
## decstr+42d13m59.80s NA  
## decstr+42d14m13.30s NA  
## decstr+42d14m14.01s NA  
## decstr+42d14m50.53s NA  
## decstr+42d14m51.33s NA  
## decstr+42d14m53.06s NA  
## decstr+42d15m09.51s NA  
## decstr+42d15m40.99s NA  
## decstr+42d15m54.17s NA  
## decstr+42d16m04.24s NA  
## decstr+42d17m11.59s NA  
## decstr+42d17m27.35s NA  
## decstr+42d17m56.01s NA  
## decstr+42d18m05.11s NA  
## decstr+42d19m12.21s NA  
## decstr+42d20m18.88s NA  
## decstr+42d20m29.43s NA  
## decstr+42d20m33.29s NA  
## decstr+42d21m00.55s NA  
## decstr+42d21m16.39s NA  
## decstr+42d21m20.08s NA  
## decstr+42d22m13.47s NA  
## decstr+42d22m42.37s NA  
## decstr+42d22m47.25s NA  
## decstr+42d22m49.11s NA  
## decstr+42d23m48.94s NA  
## decstr+42d24m23.37s NA  
## decstr+42d24m49.03s NA  
## decstr+42d25m20.31s NA  
## decstr+42d25m27.42s NA  
## decstr+42d25m58.64s NA  
## decstr+42d26m10.85s NA  
## decstr+42d26m14.16s NA  
## decstr+42d26m25.19s NA  
## decstr+42d26m25.38s NA  
## decstr+42d27m01.47s NA  
## decstr+42d27m03.95s NA  
## decstr+42d27m17.89s NA  
## decstr+42d27m34.65s NA  
## decstr+42d27m35.18s NA  
## decstr+42d27m44.87s NA  
## decstr+42d27m47.15s NA  
## decstr+42d27m49.73s NA  
## decstr+42d27m57.55s NA  
## decstr+42d28m16.42s NA  
## decstr+42d28m22.07s NA  
## decstr+42d28m31.15s NA  
## decstr+42d28m41.18s NA  
## decstr+42d28m51.64s NA  
## decstr+42d29m53.33s NA  
## decstr+42d30m58.30s NA  
## decstr+42d31m40.59s NA  
## decstr+42d32m05.89s NA  
## decstr+42d32m29.07s NA  
## decstr+42d32m33.63s NA  
## decstr+42d32m45.15s NA  
## decstr+42d33m18.81s NA  
## decstr+42d33m34.81s NA  
## decstr+42d34m34.43s NA  
## decstr+42d35m26.68s NA  
## decstr+42d35m47.02s NA  
## decstr+42d35m55.67s NA  
## decstr+42d36m15.05s NA  
## decstr+42d36m20.39s NA  
## decstr+42d36m34.04s NA  
## decstr+42d37m29.81s NA  
## decstr+42d37m34.01s NA  
## decstr+42d37m34.47s NA  
## decstr+42d38m09.79s NA  
## decstr+42d38m26.62s NA  
## decstr+42d38m53.75s NA  
## decstr+42d39m06.32s NA  
## decstr+42d39m09.63s NA  
## decstr+42d39m16.07s NA  
## decstr+42d39m21.81s NA  
## decstr+42d39m28.04s NA  
## decstr+42d39m31.80s NA  
## decstr+42d39m48.17s NA  
## decstr+42d39m57.00s NA  
## decstr+42d40m07.15s NA  
## decstr+42d40m53.45s NA  
## decstr+42d41m08.42s NA  
## decstr+42d41m46.07s NA  
## decstr+42d42m30.82s NA  
## decstr+42d43m14.10s NA  
## decstr+42d43m35.34s NA  
## decstr+42d43m39.85s NA  
## decstr+42d43m40.80s NA  
## decstr+42d44m34.59s NA  
## decstr+42d45m05.71s NA  
## decstr+42d45m24.59s NA  
## decstr+42d45m51.64s NA  
## decstr+42d46m05.84s NA  
## decstr+42d46m31.99s NA  
## decstr+42d46m40.14s NA  
## decstr+42d46m46.73s NA  
## decstr+42d46m55.07s NA  
## decstr+42d48m23.13s NA  
## decstr+42d48m24.16s NA  
## decstr+42d48m34.24s NA  
## decstr+42d48m42.27s NA  
## decstr+42d48m49.74s NA  
## decstr+42d49m20.49s NA  
## decstr+42d49m29.38s NA  
## decstr+42d49m32.01s NA  
## decstr+42d49m44.96s NA  
## decstr+42d50m23.34s NA  
## decstr+42d50m43.23s NA  
## decstr+42d51m17.61s NA  
## decstr+42d52m00.09s NA  
## decstr+42d52m02.97s NA  
## decstr+42d52m09.39s NA  
## decstr+42d52m50.80s NA  
## decstr+42d52m57.00s NA  
## decstr+42d52m58.27s NA  
## decstr+42d53m47.20s NA  
## decstr+42d53m53.62s NA  
## decstr+42d54m31.39s NA  
## decstr+42d54m34.06s NA  
## decstr+42d54m46.57s NA  
## decstr+42d55m43.90s NA  
## decstr+42d56m06.72s NA  
## decstr+42d56m36.14s NA  
## decstr+42d57m26.75s NA  
## decstr+42d57m50.00s NA  
## decstr+42d57m58.17s NA  
## decstr+42d58m39.86s NA  
## decstr+42d58m52.60s NA  
## decstr+43d00m32.04s NA  
## decstr+43d00m34.15s NA  
## decstr+43d00m44.77s NA  
## decstr+43d00m51.48s NA  
## decstr+43d01m33.80s NA  
## decstr+43d01m47.20s NA  
## decstr+43d02m13.34s NA  
## decstr+43d02m21.10s NA  
## decstr+43d02m21.76s NA  
## decstr+43d02m36.09s NA  
## decstr+43d02m39.85s NA  
## decstr+43d02m43.51s NA  
## decstr+43d03m00.14s NA  
## decstr+43d03m22.31s NA  
## decstr+43d04m23.62s NA  
## decstr+43d04m25.24s NA  
## decstr+43d04m28.62s NA  
## decstr+43d04m59.59s NA  
## decstr+43d05m01.91s NA  
## decstr+43d05m07.47s NA  
## decstr+43d07m18.32s NA  
## decstr+43d07m28.47s NA  
## decstr+43d08m29.85s NA  
## decstr+43d08m30.59s NA  
## decstr+43d08m52.98s NA  
## decstr+43d09m11.44s NA  
## decstr+43d09m21.58s NA  
## decstr+43d09m45.12s NA  
## decstr+43d10m06.62s NA  
## decstr+43d10m47.18s NA  
## decstr+43d11m19.68s NA  
## decstr+43d11m24.43s NA  
## decstr+43d11m50.12s NA  
## decstr+43d11m54.16s NA  
## decstr+43d12m33.64s NA  
## decstr+43d12m34.93s NA  
## decstr+43d12m57.64s NA  
## decstr+43d13m39.96s NA  
## decstr+43d13m57.72s NA  
## decstr+43d14m37.97s NA  
## decstr+43d14m38.71s NA  
## decstr+43d14m56.37s NA  
## decstr+43d15m38.71s NA  
## decstr+43d16m19.28s NA  
## decstr+43d16m21.88s NA  
## decstr+43d16m27.81s NA  
## decstr+43d16m47.52s NA  
## decstr+43d17m35.03s NA  
## decstr+43d19m13.83s NA  
## decstr+43d19m21.36s NA  
## decstr+43d19m58.84s NA  
## decstr+43d19m59.03s NA  
## decstr+43d20m08.20s NA  
## decstr+43d20m46.84s NA  
## decstr+43d21m16.52s NA  
## decstr+43d21m16.60s NA  
## decstr+43d21m48.51s NA  
## decstr+43d21m49.89s NA  
## decstr+43d21m50.67s NA  
## decstr+43d22m05.27s NA  
## decstr+43d22m05.50s NA  
## decstr+43d22m19.05s NA  
## decstr+43d22m42.20s NA  
## decstr+43d22m45.71s NA  
## decstr+43d23m01.40s NA  
## decstr+43d24m01.63s NA  
## decstr+43d24m11.59s NA  
## decstr+43d24m37.32s NA  
## decstr+43d24m41.60s NA  
## decstr+43d25m15.35s NA  
## decstr+43d25m31.57s NA  
## decstr+43d25m36.64s NA  
## decstr+43d25m57.14s NA  
## decstr+43d26m09.13s NA  
## decstr+43d26m27.79s NA  
## decstr+43d27m40.19s NA  
## decstr+43d28m16.96s NA  
## decstr+43d28m21.87s NA  
## decstr+43d29m35.20s NA  
## decstr+43d29m35.92s NA  
## decstr+43d29m51.31s NA  
## decstr+43d29m54.50s NA  
## decstr+43d29m59.23s NA  
## decstr+43d30m12.66s NA  
## decstr+43d30m53.66s NA  
## decstr+43d31m32.05s NA  
## decstr+43d31m38.21s NA  
## decstr+43d32m12.42s NA  
## decstr+43d32m15.23s NA  
## decstr+43d32m18.76s NA  
## decstr+43d33m20.89s NA  
## decstr+43d33m59.27s NA  
## decstr+43d34m52.89s NA  
## decstr+43d35m42.73s NA  
## decstr+43d36m20.20s NA  
## decstr+43d36m58.02s NA  
## decstr+43d37m45.28s NA  
## decstr+43d37m52.50s NA  
## decstr+43d38m37.64s NA  
## decstr+43d39m24.13s NA  
## decstr+43d39m30.98s NA  
## decstr+43d39m56.04s NA  
## decstr+43d40m14.60s NA  
## decstr+43d40m22.02s NA  
## decstr+43d40m51.46s NA  
## decstr+43d41m31.49s NA  
## decstr+43d42m10.94s NA  
## decstr+43d42m17.42s NA  
## decstr+43d42m39.80s NA  
## decstr+43d43m26.29s NA  
## decstr+43d43m55.42s NA  
## decstr+43d44m03.94s NA  
## decstr+43d44m19.68s NA  
## decstr+43d45m18.94s NA  
## decstr+43d45m48.50s NA  
## decstr+43d46m19.94s NA  
## decstr+43d46m27.58s NA  
## decstr+43d46m46.55s NA  
## decstr+43d47m18.13s NA  
## decstr+43d47m43.84s NA  
## decstr+43d48m10.06s NA  
## decstr+43d48m27.61s NA  
## decstr+43d48m51.41s NA  
## decstr+43d48m51.87s NA  
## decstr+43d48m58.90s NA  
## decstr+43d49m16.93s NA  
## decstr+43d49m22.09s NA  
## decstr+43d49m28.00s NA  
## decstr+43d49m31.61s NA  
## decstr+43d49m51.70s NA  
## decstr+43d49m55.22s NA  
## decstr+43d50m08.68s NA  
## decstr+43d50m28.30s NA  
## decstr+43d51m07.16s NA  
## decstr+43d51m11.56s NA  
## decstr+43d51m34.62s NA  
## decstr+43d51m36.69s NA  
## decstr+43d52m08.88s NA  
## decstr+43d52m24.15s NA  
## decstr+43d52m34.02s NA  
## decstr+43d52m52.22s NA  
## decstr+43d53m03.88s NA  
## decstr+43d53m17.15s NA  
## decstr+43d53m21.90s NA  
## decstr+43d53m23.81s NA  
## decstr+43d53m38.61s NA  
## decstr+43d53m47.38s NA  
## decstr+43d54m14.64s NA  
## decstr+43d54m39.12s NA  
## decstr+43d54m46.90s NA  
## decstr+43d54m48.81s NA  
## decstr+43d54m49.34s NA  
## decstr+43d54m54.24s NA  
## decstr+43d54m54.36s NA  
## decstr+43d55m08.36s NA  
## decstr+43d56m12.52s NA  
## decstr+43d56m56.92s NA  
## decstr+43d57m14.62s NA  
## decstr+43d57m17.96s NA  
## decstr+43d57m21.62s NA  
## decstr+43d57m30.54s NA  
## decstr+43d57m41.63s NA  
## decstr+43d57m47.06s NA  
## decstr+43d57m58.33s NA  
## decstr+43d58m48.88s NA  
## decstr+43d59m05.66s NA  
## decstr+43d59m08.48s NA  
## decstr+43d59m23.63s NA  
## decstr+43d59m52.87s NA  
## decstr+44d00m15.71s NA  
## decstr+44d00m31.08s NA  
## decstr+44d00m38.96s NA  
## decstr+44d01m29.03s NA  
## decstr+44d01m35.36s NA  
## decstr+44d01m36.93s NA  
## decstr+44d01m39.35s NA  
## decstr+44d01m43.22s NA  
## decstr+44d02m02.30s NA  
## decstr+44d02m06.14s NA  
## decstr+44d02m09.11s NA  
## decstr+44d02m34.29s NA  
## decstr+44d02m59.57s NA  
## decstr+44d03m44.90s NA  
## decstr+44d04m07.74s NA  
## decstr+44d04m39.67s NA  
## decstr+44d04m56.21s NA  
## decstr+44d05m14.61s NA  
## decstr+44d05m15.45s NA  
## decstr+44d05m16.09s NA  
## decstr+44d05m21.28s NA  
## decstr+44d05m28.54s NA  
## decstr+44d06m20.91s NA  
## decstr+44d06m25.28s NA  
## decstr+44d06m28.01s NA  
## decstr+44d06m37.92s NA  
## decstr+44d06m55.80s NA  
## decstr+44d07m00.30s NA  
## decstr+44d07m45.31s NA  
## decstr+44d07m56.46s NA  
## decstr+44d08m28.63s NA  
## decstr+44d08m30.52s NA  
## decstr+44d08m37.05s NA  
## decstr+44d08m44.75s NA  
## decstr+44d08m57.54s NA  
## decstr+44d08m59.83s NA  
## decstr+44d09m21.18s NA  
## decstr+44d09m33.66s NA  
## decstr+44d09m39.17s NA  
## decstr+44d09m58.33s NA  
## decstr+44d10m00.97s NA  
## decstr+44d10m15.38s NA  
## decstr+44d10m41.12s NA  
## decstr+44d10m45.94s NA  
## decstr+44d11m02.04s NA  
## decstr+44d12m30.40s NA  
## decstr+44d14m14.89s NA  
## decstr+44d14m44.90s NA  
## decstr+44d15m01.84s NA  
## decstr+44d15m35.23s NA  
## decstr+44d16m06.65s NA  
## decstr+44d16m27.56s NA  
## decstr+44d16m39.31s NA  
## decstr+44d17m02.47s NA  
## decstr+44d17m02.79s NA  
## decstr+44d17m32.96s NA  
## decstr+44d17m42.91s NA  
## decstr+44d18m05.58s NA  
## decstr+44d18m09.13s NA  
## decstr+44d18m18.24s NA  
## decstr+44d18m38.83s NA  
## decstr+44d18m43.79s NA  
## decstr+44d18m55.71s NA  
## decstr+44d19m30.82s NA  
## decstr+44d19m38.98s NA  
## decstr+44d20m15.18s NA  
## decstr+44d20m42.74s NA  
## decstr+44d20m43.56s NA  
## decstr+44d20m47.44s NA  
## decstr+44d22m13.93s NA  
## decstr+44d22m18.27s NA  
## decstr+44d22m52.47s NA  
## decstr+44d22m53.58s NA  
## decstr+44d23m13.35s NA  
## decstr+44d23m40.79s NA  
## decstr+44d23m52.41s NA  
## decstr+44d24m43.51s NA  
## decstr+44d24m44.03s NA  
## decstr+44d25m03.80s NA  
## decstr+44d25m19.75s NA  
## decstr+44d25m20.21s NA  
## decstr+44d25m30.86s NA  
## decstr+44d26m04.06s NA  
## decstr+44d26m07.06s NA  
## decstr+44d26m08.54s NA  
## decstr+44d26m53.71s NA  
## decstr+44d27m38.41s NA  
## decstr+44d27m55.46s NA  
## decstr+44d28m13.46s NA  
## decstr+44d28m39.83s NA  
## decstr+44d28m40.78s NA  
## decstr+44d28m44.51s NA  
## decstr+44d28m49.36s NA  
## decstr+44d29m17.38s NA  
## decstr+44d31m06.14s NA  
## decstr+44d31m07.40s NA  
## decstr+44d31m24.32s NA  
## decstr+44d31m32.97s NA  
## decstr+44d31m38.20s NA  
## decstr+44d31m44.57s NA  
## decstr+44d31m54.06s NA  
## decstr+44d32m45.26s NA  
## decstr+44d33m09.92s NA  
## decstr+44d33m20.73s NA  
## decstr+44d33m22.90s NA  
## decstr+44d33m23.06s NA  
## decstr+44d33m46.96s NA  
## decstr+44d34m02.93s NA  
## decstr+44d35m29.84s NA  
## decstr+44d36m20.25s NA  
## decstr+44d36m31.04s NA  
## decstr+44d36m31.12s NA  
## decstr+44d36m32.49s NA  
## decstr+44d36m35.43s NA  
## decstr+44d36m56.15s NA  
## decstr+44d37m02.52s NA  
## decstr+44d37m28.72s NA  
## decstr+44d37m56.30s NA  
## decstr+44d38m17.06s NA  
## decstr+44d38m29.53s NA  
## decstr+44d38m50.22s NA  
## decstr+44d39m11.62s NA  
## decstr+44d39m16.15s NA  
## decstr+44d39m52.66s NA  
## decstr+44d40m02.82s NA  
## decstr+44d40m19.83s NA  
## decstr+44d41m00.28s NA  
## decstr+44d41m17.74s NA  
## decstr+44d41m26.09s NA  
## decstr+44d41m38.05s NA  
## decstr+44d41m40.45s NA  
## decstr+44d41m59.96s NA  
## decstr+44d42m20.55s NA  
## decstr+44d42m29.76s NA  
## decstr+44d42m48.15s NA  
## decstr+44d43m57.61s NA  
## decstr+44d44m01.57s NA  
## decstr+44d44m13.42s NA  
## decstr+44d44m46.49s NA  
## decstr+44d45m03.65s NA  
## decstr+44d45m11.15s NA  
## decstr+44d45m23.60s NA  
## decstr+44d45m30.06s NA  
## decstr+44d45m46.63s NA  
## decstr+44d46m14.35s NA  
## decstr+44d46m18.79s NA  
## decstr+44d46m36.79s NA  
## decstr+44d46m46.51s NA  
## decstr+44d46m53.69s NA  
## decstr+44d46m58.29s NA  
## decstr+44d47m06.65s NA  
## decstr+44d47m34.02s NA  
## decstr+44d47m42.67s NA  
## decstr+44d47m51.50s NA  
## decstr+44d48m06.34s NA  
## decstr+44d48m41.62s NA  
## decstr+44d50m10.06s NA  
## decstr+44d50m17.42s NA  
## decstr+44d50m17.51s NA  
## decstr+44d50m22.08s NA  
## decstr+44d51m12.85s NA  
## decstr+44d51m28.31s NA  
## decstr+44d51m29.25s NA  
## decstr+44d52m07.92s NA  
## decstr+44d52m24.23s NA  
## decstr+44d52m25.59s NA  
## decstr+44d52m34.47s NA  
## decstr+44d53m14.45s NA  
## decstr+44d53m57.56s NA  
## decstr+44d54m00.21s NA  
## decstr+44d54m55.32s NA  
## decstr+44d55m00.30s NA  
## decstr+44d55m05.63s NA  
## decstr+44d55m15.61s NA  
## decstr+44d55m15.90s NA  
## decstr+44d55m23.72s NA  
## decstr+44d55m33.09s NA  
## decstr+44d55m38.25s NA  
## decstr+44d55m56.80s NA  
## decstr+44d55m57.15s NA  
## decstr+44d56m30.59s NA  
## decstr+44d57m21.78s NA  
## decstr+44d58m05.81s NA  
## decstr+44d58m57.16s NA  
## decstr+44d59m09.98s NA  
## decstr+44d59m32.75s NA  
## decstr+45d00m04.87s NA  
## decstr+45d00m27.87s NA  
## decstr+45d00m29.07s NA  
## decstr+45d01m00.89s NA  
## decstr+45d01m05.66s NA  
## decstr+45d02m03.90s NA  
## decstr+45d02m27.98s NA  
## decstr+45d02m56.50s NA  
## decstr+45d03m11.53s NA  
## decstr+45d03m12.11s NA  
## decstr+45d03m36.63s NA  
## decstr+45d03m56.14s NA  
## decstr+45d04m15.57s NA  
## decstr+45d04m26.72s NA  
## decstr+45d04m46.03s NA  
## decstr+45d04m51.98s NA  
## decstr+45d04m52.68s NA  
## decstr+45d05m02.66s NA  
## decstr+45d05m15.66s NA  
## decstr+45d06m09.68s NA  
## decstr+45d06m25.91s NA  
## decstr+45d06m52.33s NA  
## decstr+45d06m55.83s NA  
## decstr+45d08m11.85s NA  
## decstr+45d08m23.35s NA  
## decstr+45d08m24.30s NA  
## decstr+45d08m42.89s NA  
## decstr+45d09m05.49s NA  
## decstr+45d09m15.47s NA  
## decstr+45d09m31.40s NA  
## decstr+45d09m38.61s NA  
## decstr+45d10m19.99s NA  
## decstr+45d10m20.11s NA  
## decstr+45d10m45.07s NA  
## decstr+45d10m49.21s NA  
## decstr+45d11m31.88s NA  
## decstr+45d11m48.58s NA  
## decstr+45d11m54.01s NA  
## decstr+45d12m15.23s NA  
## decstr+45d12m31.76s NA  
## decstr+45d12m41.43s NA  
## decstr+45d12m49.27s NA  
## decstr+45d13m32.36s NA  
## decstr+45d13m38.23s NA  
## decstr+45d14m18.00s NA  
## decstr+45d14m33.16s NA  
## decstr+45d14m55.49s NA  
## decstr+45d15m29.10s NA  
## decstr+45d15m43.15s NA  
## decstr+45d16m27.13s NA  
## decstr+45d16m27.69s NA  
## decstr+45d17m24.99s NA  
## decstr+45d18m17.54s NA  
## decstr+45d18m21.90s NA  
## decstr+45d18m34.77s NA  
## decstr+45d18m55.52s NA  
## decstr+45d19m05.90s NA  
## decstr+45d19m23.14s NA  
## decstr+45d20m06.45s NA  
## decstr+45d20m12.84s NA  
## decstr+45d20m25.93s NA  
## decstr+45d20m33.64s NA  
## decstr+45d20m36.69s NA  
## decstr+45d21m02.58s NA  
## decstr+45d21m13.55s NA  
## decstr+45d22m03.99s NA  
## decstr+45d22m12.34s NA  
## decstr+45d22m15.50s NA  
## decstr+45d23m01.93s NA  
## decstr+45d23m03.60s NA  
## decstr+45d23m04.17s NA  
## decstr+45d23m16.23s NA  
## decstr+45d24m19.55s NA  
## decstr+45d24m28.32s NA  
## decstr+45d24m37.01s NA  
## decstr+45d24m51.36s NA  
## decstr+45d25m32.84s NA  
## decstr+45d25m42.95s NA  
## decstr+45d26m02.33s NA  
## decstr+45d26m07.41s NA  
## decstr+45d26m22.90s NA  
## decstr+45d26m26.01s NA  
## decstr+45d26m26.90s NA  
## decstr+45d27m26.43s NA  
## decstr+45d28m49.10s NA  
## decstr+45d29m43.18s NA  
## decstr+45d30m24.53s NA  
## decstr+45d32m43.96s NA  
## decstr+45d33m04.06s NA  
## decstr+45d33m22.24s NA  
## decstr+45d33m52.27s NA  
## decstr+45d34m43.83s NA  
## decstr+45d35m18.79s NA  
## decstr+45d35m31.50s NA  
## decstr+45d35m34.38s NA  
## decstr+45d35m47.34s NA  
## decstr+45d36m02.09s NA  
## decstr+45d36m03.33s NA  
## decstr+45d36m19.75s NA  
## decstr+45d37m23.46s NA  
## decstr+45d37m37.26s NA  
## decstr+45d38m03.52s NA  
## decstr+45d38m23.41s NA  
## decstr+45d39m18.19s NA  
## decstr+45d39m24.36s NA  
## decstr+45d39m48.30s NA  
## decstr+45d40m16.18s NA  
## decstr+45d41m00.41s NA  
## decstr+45d41m21.84s NA  
## decstr+45d42m15.83s NA  
## decstr+45d42m42.63s NA  
## decstr+45d42m57.15s NA  
## decstr+45d42m57.72s NA  
## decstr+45d43m10.40s NA  
## decstr+45d43m11.04s NA  
## decstr+45d44m05.28s NA  
## decstr+45d44m13.99s NA  
## decstr+45d44m20.68s NA  
## decstr+45d44m26.27s NA  
## decstr+45d44m44.17s NA  
## decstr+45d44m52.28s NA  
## decstr+45d45m41.58s NA  
## decstr+45d45m43.89s NA  
## decstr+45d46m41.16s NA  
## decstr+45d47m19.70s NA  
## decstr+45d48m08.01s NA  
## decstr+45d48m32.72s NA  
## decstr+45d48m45.97s NA  
## decstr+45d48m59.13s NA  
## decstr+45d49m03.09s NA  
## decstr+45d49m37.36s NA  
## decstr+45d49m38.72s NA  
## decstr+45d50m05.20s NA  
## decstr+45d50m34.63s NA  
## decstr+45d51m10.99s NA  
## decstr+45d51m58.07s NA  
## decstr+45d52m00.51s NA  
## decstr+45d52m11.85s NA  
## decstr+45d52m30.20s NA  
## decstr+45d54m52.94s NA  
## decstr+45d55m04.72s NA  
## decstr+45d55m27.19s NA  
## decstr+45d55m51.09s NA  
## decstr+45d57m00.40s NA  
## decstr+45d57m30.70s NA  
## decstr+45d58m05.81s NA  
## decstr+45d58m10.39s NA  
## decstr+45d58m15.76s NA  
## decstr+45d58m20.38s NA  
## decstr+45d58m24.00s NA  
## decstr+45d58m33.45s NA  
## decstr+45d58m36.35s NA  
## decstr+45d58m48.90s NA  
## decstr+45d58m53.92s NA  
## decstr+45d59m04.66s NA  
## decstr+45d59m06.50s NA  
## decstr+46d00m08.15s NA  
## decstr+46d00m18.61s NA  
## decstr+46d00m20.43s NA  
## decstr+46d00m50.31s NA  
## decstr+46d01m22.16s NA  
## decstr+46d01m23.75s NA  
## decstr+46d01m38.60s NA  
## decstr+46d01m41.01s NA  
## decstr+46d02m03.46s NA  
## decstr+46d02m29.95s NA  
## decstr+46d02m54.13s NA  
## decstr+46d03m06.85s NA  
## decstr+46d03m11.00s NA  
## decstr+46d03m27.31s NA  
## decstr+46d03m33.33s NA  
## decstr+46d03m38.91s NA  
## decstr+46d03m44.62s NA  
## decstr+46d03m49.99s NA  
## decstr+46d03m59.07s NA  
## decstr+46d04m00.21s NA  
## decstr+46d04m32.63s NA  
## decstr+46d04m50.05s NA  
## decstr+46d05m45.35s NA  
## decstr+46d05m50.49s NA  
## decstr+46d05m55.42s NA  
## decstr+46d07m03.36s NA  
## decstr+46d07m44.81s NA  
## decstr+46d07m51.04s NA  
## decstr+46d08m28.21s NA  
## decstr+46d09m53.25s NA  
## decstr+46d09m59.03s NA  
## decstr+46d10m19.70s NA  
## decstr+46d10m30.52s NA  
## decstr+46d10m51.35s NA  
## decstr+46d11m46.27s NA  
## decstr+46d11m54.48s NA  
## decstr+46d12m12.37s NA  
## decstr+46d13m26.24s NA  
## decstr+46d13m34.49s NA  
## decstr+46d13m36.08s NA  
## decstr+46d14m15.01s NA  
## decstr+46d14m41.94s NA  
## decstr+46d14m56.80s NA  
## decstr+46d15m09.64s NA  
## decstr+46d15m16.93s NA  
## decstr+46d15m52.93s NA  
## decstr+46d15m59.69s NA  
## decstr+46d16m25.46s NA  
## decstr+46d16m33.55s NA  
## decstr+46d16m34.04s NA  
## decstr+46d16m39.08s NA  
## decstr+46d17m23.12s NA  
## decstr+46d17m48.93s NA  
## decstr+46d18m38.38s NA  
## decstr+46d18m53.67s NA  
## decstr+46d18m59.73s NA  
## decstr+46d19m14.19s NA  
## decstr+46d19m16.92s NA  
## decstr+46d19m23.81s NA  
## decstr+46d19m27.63s NA  
## decstr+46d19m43.20s NA  
## decstr+46d19m44.30s NA  
## decstr+46d20m27.15s NA  
## decstr+46d20m49.98s NA  
## decstr+46d22m00.58s NA  
## decstr+46d22m18.11s NA  
## decstr+46d22m24.75s NA  
## decstr+46d22m38.20s NA  
## decstr+46d23m28.28s NA  
## decstr+46d23m32.34s NA  
## decstr+46d23m38.64s NA  
## decstr+46d23m40.02s NA  
## decstr+46d24m29.47s NA  
## decstr+46d24m48.25s NA  
## decstr+46d25m06.52s NA  
## decstr+46d25m44.98s NA  
## decstr+46d26m19.92s NA  
## decstr+46d26m27.54s NA  
## decstr+46d26m59.05s NA  
## decstr+46d27m13.18s NA  
## decstr+46d27m28.76s NA  
## decstr+46d28m14.15s NA  
## decstr+46d28m25.00s NA  
## decstr+46d28m51.68s NA  
## decstr+46d29m29.30s NA  
## decstr+46d29m33.61s NA  
## decstr+46d29m55.54s NA  
## decstr+46d29m56.84s NA  
## decstr+46d30m08.04s NA  
## decstr+46d30m58.25s NA  
## decstr+46d31m21.87s NA  
## decstr+46d32m10.05s NA  
## decstr+46d33m59.22s NA  
## decstr+46d34m04.44s NA  
## decstr+46d34m26.43s NA  
## decstr+46d34m27.69s NA  
## decstr+46d34m38.09s NA  
## decstr+46d34m44.89s NA  
## decstr+46d34m44.95s NA  
## decstr+46d34m55.99s NA  
## decstr+46d35m20.89s NA  
## decstr+46d35m25.63s NA  
## decstr+46d36m07.97s NA  
## decstr+46d36m12.42s NA  
## decstr+46d36m21.15s NA  
## decstr+46d36m54.17s NA  
## decstr+46d37m02.99s NA  
## decstr+46d37m05.65s NA  
## decstr+46d37m09.12s NA  
## decstr+46d37m35.01s NA  
## decstr+46d37m35.68s NA  
## decstr+46d38m24.60s NA  
## decstr+46d38m27.15s NA  
## decstr+46d38m33.89s NA  
## decstr+46d39m05.78s NA  
## decstr+46d39m34.48s NA  
## decstr+46d39m43.99s NA  
## decstr+46d39m58.38s NA  
## decstr+46d40m05.67s NA  
## decstr+46d40m14.34s NA  
## decstr+46d40m30.85s NA  
## decstr+46d40m30.86s NA  
## decstr+46d40m46.14s NA  
## decstr+46d41m15.82s NA  
## decstr+46d41m16.26s NA  
## decstr+46d41m22.82s NA  
## decstr+46d41m32.84s NA  
## decstr+46d41m34.24s NA  
## decstr+46d41m53.89s NA  
## decstr+46d42m48.27s NA  
## decstr+46d42m52.62s NA  
## decstr+46d43m04.04s NA  
## decstr+46d43m04.80s NA  
## decstr+46d43m12.74s NA  
## decstr+46d43m21.74s NA  
## decstr+46d43m33.90s NA  
## decstr+46d43m36.05s NA  
## decstr+46d43m46.87s NA  
## decstr+46d44m10.66s NA  
## decstr+46d44m27.96s NA  
## decstr+46d44m30.72s NA  
## decstr+46d44m36.73s NA  
## decstr+46d44m40.30s NA  
## decstr+46d44m47.59s NA  
## decstr+46d45m09.43s NA  
## decstr+46d45m45.33s NA  
## decstr+46d46m04.73s NA  
## decstr+46d46m05.33s NA  
## decstr+46d47m01.13s NA  
## decstr+46d47m22.75s NA  
## decstr+46d47m25.73s NA  
## decstr+46d47m37.09s NA  
## decstr+46d47m46.04s NA  
## decstr+46d48m46.68s NA  
## decstr+46d49m17.05s NA  
## decstr+46d49m26.39s NA  
## decstr+46d50m03.30s NA  
## decstr+46d50m06.81s NA  
## decstr+46d50m17.90s NA  
## decstr+46d50m19.74s NA  
## decstr+46d50m35.39s NA  
## decstr+46d51m09.84s NA  
## decstr+46d51m26.87s NA  
## decstr+46d51m31.74s NA  
## decstr+46d52m05.69s NA  
## decstr+46d52m15.20s NA  
## decstr+46d52m52.75s NA  
## decstr+46d53m44.25s NA  
## decstr+46d53m47.05s NA  
## decstr+46d53m57.32s NA  
## decstr+46d53m59.28s NA  
## decstr+46d54m15.22s NA  
## decstr+46d54m28.09s NA  
## decstr+46d54m42.42s NA  
## decstr+46d55m13.55s NA  
## decstr+46d55m42.51s NA  
## decstr+46d55m51.65s NA  
## decstr+46d56m15.89s NA  
## decstr+46d56m21.71s NA  
## decstr+46d56m30.82s NA  
## decstr+46d56m44.88s NA  
## decstr+46d56m45.11s NA  
## decstr+46d56m47.48s NA  
## decstr+46d57m13.95s NA  
## decstr+46d57m36.36s NA  
## decstr+46d57m41.08s NA  
## decstr+46d57m54.41s NA  
## decstr+46d57m57.43s NA  
## decstr+46d57m58.30s NA  
## decstr+46d58m03.46s NA  
## decstr+46d58m25.08s NA  
## decstr+46d59m10.64s NA  
## decstr+46d59m12.29s NA  
## decstr+46d59m14.42s NA  
## decstr+46d59m17.36s NA  
## decstr+46d59m22.81s NA  
## decstr+46d59m48.04s NA  
## decstr+46d59m53.81s NA  
## decstr+46d59m56.27s NA  
## decstr+47d00m47.00s NA  
## decstr+47d00m53.22s NA  
## decstr+47d00m59.47s NA  
## decstr+47d01m13.25s NA  
## decstr+47d01m36.53s NA  
## decstr+47d02m13.16s NA  
## decstr+47d02m32.98s NA  
## decstr+47d03m13.35s NA  
## decstr+47d03m46.86s NA  
## decstr+47d04m00.47s NA  
## decstr+47d04m32.96s NA  
## decstr+47d04m46.43s NA  
## decstr+47d05m07.79s NA  
## decstr+47d05m08.00s NA  
## decstr+47d05m53.50s NA  
## decstr+47d06m06.28s NA  
## decstr+47d06m45.66s NA  
## decstr+47d06m54.42s NA  
## decstr+47d07m02.65s NA  
## decstr+47d09m20.56s NA  
## decstr+47d09m26.50s NA  
## decstr+47d09m27.27s NA  
## decstr+47d09m50.23s NA  
## decstr+47d09m52.49s NA  
## decstr+47d10m15.36s NA  
## decstr+47d10m18.68s NA  
## decstr+47d10m28.02s NA  
## decstr+47d10m58.03s NA  
## decstr+47d11m17.52s NA  
## decstr+47d12m15.77s NA  
## decstr+47d12m25.66s NA  
## decstr+47d12m28.17s NA  
## decstr+47d13m03.17s NA  
## decstr+47d14m00.48s NA  
## decstr+47d14m48.92s NA  
## decstr+47d15m28.39s NA  
## decstr+47d15m40.12s NA  
## decstr+47d16m33.47s NA  
## decstr+47d16m46.14s NA  
## decstr+47d18m27.92s NA  
## decstr+47d19m40.52s NA  
## decstr+47d21m06.87s NA  
## decstr+47d21m27.15s NA  
## decstr+47d21m31.60s NA  
## decstr+47d22m04.28s NA  
## decstr+47d22m42.63s NA  
## decstr+47d22m53.54s NA  
## decstr+47d23m46.41s NA  
## decstr+47d23m55.04s NA  
## decstr+47d23m56.85s NA  
## decstr+47d24m22.56s NA  
## decstr+47d24m24.90s NA  
## decstr+47d24m49.30s NA  
## decstr+47d24m53.19s NA  
## decstr+47d25m32.37s NA  
## decstr+47d26m19.72s NA  
## decstr+47d26m53.25s NA  
## decstr+47d26m55.02s NA  
## decstr+47d27m19.76s NA  
## decstr+47d27m25.49s NA  
## decstr+47d27m47.05s NA  
## decstr+47d28m08.82s NA  
## decstr+47d28m38.47s NA  
## decstr+47d29m05.24s NA  
## decstr+47d29m19.05s NA  
## decstr+47d29m27.31s NA  
## decstr+47d29m28.69s NA  
## decstr+47d29m50.14s NA  
## decstr+47d30m34.88s NA  
## decstr+47d30m58.05s NA  
## decstr+47d31m35.56s NA  
## decstr+47d31m47.71s NA  
## decstr+47d33m07.11s NA  
## decstr+47d34m06.93s NA  
## decstr+47d34m22.96s NA  
## decstr+47d34m29.71s NA  
## decstr+47d34m42.20s NA  
## decstr+47d35m32.63s NA  
## decstr+47d35m37.79s NA  
## decstr+47d36m00.25s NA  
## decstr+47d36m18.01s NA  
## decstr+47d37m47.44s NA  
## decstr+47d38m13.74s NA  
## decstr+47d38m29.98s NA  
## decstr+47d39m00.41s NA  
## decstr+47d39m51.02s NA  
## decstr+47d40m43.91s NA  
## decstr+47d41m15.28s NA  
## decstr+47d41m20.07s NA  
## decstr+47d41m38.28s NA  
## decstr+47d41m51.57s NA  
## decstr+47d43m28.43s NA  
## decstr+47d43m33.27s NA  
## decstr+47d43m46.94s NA  
## decstr+47d43m53.77s NA  
## decstr+47d44m53.13s NA  
## decstr+47d45m05.33s NA  
## decstr+47d45m07.41s NA  
## decstr+47d45m34.09s NA  
## decstr+47d45m42.96s NA  
## decstr+47d46m22.47s NA  
## decstr+47d46m32.24s NA  
## decstr+47d47m07.10s NA  
## decstr+47d48m34.81s NA  
## decstr+47d48m37.75s NA  
## decstr+47d48m51.97s NA  
## decstr+47d48m53.95s NA  
## decstr+47d48m55.65s NA  
## decstr+47d50m04.41s NA  
## decstr+47d50m20.18s NA  
## decstr+47d50m54.52s NA  
## decstr+47d51m47.43s NA  
## decstr+47d51m49.34s NA  
## decstr+47d51m50.58s NA  
## decstr+47d52m23.70s NA  
## decstr+47d52m23.99s NA  
## decstr+47d52m42.33s NA  
## decstr+47d52m43.43s NA  
## decstr+47d52m48.75s NA  
## decstr+47d52m49.31s NA  
## decstr+47d52m51.45s NA  
## decstr+47d52m52.69s NA  
## decstr+47d53m02.91s NA  
## decstr+47d53m10.16s NA  
## decstr+47d53m14.81s NA  
## decstr+47d54m30.50s NA  
## decstr+47d55m17.30s NA  
## decstr+47d55m44.85s NA  
## decstr+47d56m00.83s NA  
## decstr+47d56m22.56s NA  
## decstr+47d56m47.88s NA  
## decstr+47d56m48.55s NA  
## decstr+47d56m51.21s NA  
## decstr+47d56m57.36s NA  
## decstr+47d57m42.89s NA  
## decstr+47d57m59.81s NA  
## decstr+47d58m10.35s NA  
## decstr+47d59m20.07s NA  
## decstr+48d00m07.91s NA  
## decstr+48d00m33.34s NA  
## decstr+48d01m04.41s NA  
## decstr+48d01m05.05s NA  
## decstr+48d01m42.83s NA  
## decstr+48d01m46.57s NA  
## decstr+48d02m05.41s NA  
## decstr+48d02m24.63s NA  
## decstr+48d03m15.76s NA  
## decstr+48d03m39.33s NA  
## decstr+48d03m54.93s NA  
## decstr+48d03m55.94s NA  
## decstr+48d03m59.38s NA  
## decstr+48d04m54.71s NA  
## decstr+48d04m56.83s NA  
## decstr+48d04m57.23s NA  
## decstr+48d05m39.70s NA  
## decstr+48d05m54.11s NA  
## decstr+48d06m27.95s NA  
## decstr+48d07m11.22s NA  
## decstr+48d07m34.53s NA  
## decstr+48d07m52.60s NA  
## decstr+48d08m30.03s NA  
## decstr+48d09m15.13s NA  
## decstr+48d09m54.55s NA  
## decstr+48d10m41.54s NA  
## decstr+48d10m53.03s NA  
## decstr+48d11m08.81s NA  
## decstr+48d12m30.66s NA  
## decstr+48d12m30.97s NA  
## decstr+48d13m09.62s NA  
## decstr+48d13m28.68s NA  
## decstr+48d13m34.33s NA  
## decstr+48d14m00.30s NA  
## decstr+48d14m23.89s NA  
## decstr+48d14m31.14s NA  
## decstr+48d14m39.61s NA  
## decstr+48d14m55.92s NA  
## decstr+48d15m04.13s NA  
## decstr+48d15m25.31s NA  
## decstr+48d15m28.19s NA  
## decstr+48d15m33.24s NA  
## decstr+48d16m04.05s NA  
## decstr+48d16m15.43s NA  
## decstr+48d16m20.22s NA  
## decstr+48d16m37.62s NA  
## decstr+48d16m53.00s NA  
## decstr+48d17m09.30s NA  
## decstr+48d17m39.25s NA  
## decstr+48d18m03.08s NA  
## decstr+48d18m08.44s NA  
## decstr+48d18m26.23s NA  
## decstr+48d18m44.02s NA  
## decstr+48d19m13.28s NA  
## decstr+48d19m57.15s NA  
## decstr+48d20m09.32s NA  
## decstr+48d20m09.93s NA  
## decstr+48d20m42.20s NA  
## decstr+48d20m59.27s NA  
## decstr+48d21m18.89s NA  
## decstr+48d22m24.49s NA  
## decstr+48d22m32.83s NA  
## decstr+48d23m15.64s NA  
## decstr+48d23m26.91s NA  
## decstr+48d24m05.92s NA  
## decstr+48d24m24.36s NA  
## decstr+48d24m57.52s NA  
## decstr+48d25m06.90s NA  
## decstr+48d25m26.01s NA  
## decstr+48d25m53.72s NA  
## decstr+48d25m54.22s NA  
## decstr+48d26m07.17s NA  
## decstr+48d26m36.45s NA  
## decstr+48d26m40.53s NA  
## decstr+48d26m43.77s NA  
## decstr+48d28m42.84s NA  
## decstr+48d28m52.91s NA  
## decstr+48d29m39.78s NA  
## decstr+48d29m43.87s NA  
## decstr+48d30m20.89s NA  
## decstr+48d30m39.86s NA  
## decstr+48d30m55.42s NA  
## decstr+48d31m16.77s NA  
## decstr+48d31m28.09s NA  
## decstr+48d32m39.23s NA  
## decstr+48d32m56.62s NA  
## decstr+48d33m09.48s NA  
## decstr+48d33m33.60s NA  
## decstr+48d33m35.58s NA  
## decstr+48d33m38.48s NA  
## decstr+48d34m31.31s NA  
## decstr+48d34m38.82s NA  
## decstr+48d34m49.88s NA  
## decstr+48d35m59.01s NA  
## decstr+48d36m10.19s NA  
## decstr+48d36m22.69s NA  
## decstr+48d37m07.31s NA  
## decstr+48d37m35.05s NA  
## decstr+48d38m20.37s NA  
## decstr+48d38m42.92s NA  
## decstr+48d39m04.22s NA  
## decstr+48d39m55.25s NA  
## decstr+48d40m24.04s NA  
## decstr+48d40m59.68s NA  
## decstr+48d41m00.77s NA  
## decstr+48d41m37.71s NA  
## decstr+48d42m05.19s NA  
## decstr+48d42m22.19s NA  
## decstr+48d43m10.51s NA  
## decstr+48d43m30.97s NA  
## decstr+48d43m40.02s NA  
## decstr+48d44m39.37s NA  
## decstr+48d45m32.88s NA  
## decstr+48d45m45.15s NA  
## decstr+48d46m12.04s NA  
## decstr+48d46m26.27s NA  
## decstr+48d46m31.44s NA  
## decstr+48d46m39.42s NA  
## decstr+48d47m29.73s NA  
## decstr+48d47m30.69s NA  
## decstr+48d48m07.64s NA  
## decstr+48d48m24.11s NA  
## decstr+48d48m34.55s NA  
## decstr+48d48m41.80s NA  
## decstr+48d49m08.30s NA  
## decstr+48d49m11.39s NA  
## decstr+48d49m21.80s NA  
## decstr+48d49m29.97s NA  
## decstr+48d49m31.19s NA  
## decstr+48d49m54.20s NA  
## decstr+48d50m48.90s NA  
## decstr+48d52m52.35s NA  
## decstr+48d53m05.04s NA  
## decstr+48d53m59.45s NA  
## decstr+48d55m00.26s NA  
## decstr+48d55m01.77s NA  
## decstr+48d55m48.21s NA  
## decstr+48d58m05.40s NA  
## decstr+48d58m17.17s NA  
## decstr+48d58m38.31s NA  
## decstr+48d58m55.94s NA  
## decstr+48d58m56.35s NA  
## decstr+48d59m45.67s NA  
## decstr+48d59m46.14s NA  
## decstr+49d00m45.75s NA  
## decstr+49d01m02.26s NA  
## decstr+49d01m08.86s NA  
## decstr+49d02m24.77s NA  
## decstr+49d02m41.34s NA  
## decstr+49d02m45.64s NA  
## decstr+49d03m26.81s NA  
## decstr+49d03m41.96s NA  
## decstr+49d03m53.56s NA  
## decstr+49d04m04.74s NA  
## decstr+49d05m03.97s NA  
## decstr+49d06m08.31s NA  
## decstr+49d06m22.29s NA  
## decstr+49d06m36.99s NA  
## decstr+49d08m24.11s NA  
## decstr+49d08m24.40s NA  
## decstr+49d08m33.48s NA  
## decstr+49d09m17.04s NA  
## decstr+49d09m30.95s NA  
## decstr+49d09m43.25s NA  
## decstr+49d10m58.42s NA  
## decstr+49d11m24.62s NA  
## decstr+49d11m26.68s NA  
## decstr+49d12m08.93s NA  
## decstr+49d12m13.41s NA  
## decstr+49d12m31.35s NA  
## decstr+49d12m44.83s NA  
## decstr+49d13m54.51s NA  
## decstr+49d13m58.62s NA  
## decstr+49d14m14.71s NA  
## decstr+49d15m14.21s NA  
## decstr+49d15m22.76s NA  
## decstr+49d15m22.97s NA  
## decstr+49d15m32.14s NA  
## decstr+49d15m40.66s NA  
## decstr+49d15m42.00s NA  
## decstr+49d15m43.47s NA  
## decstr+49d16m38.18s NA  
## decstr+49d18m06.60s NA  
## decstr+49d18m18.45s NA  
## decstr+49d18m20.31s NA  
## decstr+49d18m50.74s NA  
## decstr+49d18m59.12s NA  
## decstr+49d18m59.55s NA  
## decstr+49d19m33.13s NA  
## decstr+49d19m48.31s NA  
## decstr+49d19m51.52s NA  
## decstr+49d21m14.01s NA  
## decstr+49d21m32.26s NA  
## decstr+49d22m00.46s NA  
## decstr+49d22m41.06s NA  
## decstr+49d22m47.36s NA  
## decstr+49d24m22.67s NA  
## decstr+49d24m45.15s NA  
## decstr+49d25m00.83s NA  
## decstr+49d25m07.43s NA  
## decstr+49d26m14.14s NA  
## decstr+49d27m03.37s NA  
## decstr+49d27m08.73s NA  
## decstr+49d27m42.40s NA  
## decstr+49d28m24.44s NA  
## decstr+49d28m45.31s NA  
## decstr+49d28m47.82s NA  
## decstr+49d28m51.06s NA  
## decstr+49d29m05.88s NA  
## decstr+49d29m31.40s NA  
## decstr+49d31m24.22s NA  
## decstr+49d31m57.66s NA  
## decstr+49d31m59.34s NA  
## decstr+49d32m24.53s NA  
## decstr+49d32m53.81s NA  
## decstr+49d33m43.78s NA  
## decstr+49d34m45.93s NA  
## decstr+49d35m12.98s NA  
## decstr+49d35m15.42s NA  
## decstr+49d35m20.56s NA  
## decstr+49d35m41.85s NA  
## decstr+49d35m54.40s NA  
## decstr+49d37m24.23s NA  
## decstr+49d37m35.35s NA  
## decstr+49d38m13.56s NA  
## decstr+49d38m16.05s NA  
## decstr+49d38m56.74s NA  
## decstr+49d39m10.94s NA  
## decstr+49d39m12.66s NA  
## decstr+49d39m49.92s NA  
## decstr+49d40m00.67s NA  
## decstr+49d40m59.31s NA  
## decstr+49d41m32.43s NA  
## decstr+49d41m46.23s NA  
## decstr+49d42m24.33s NA  
## decstr+49d43m39.90s NA  
## decstr+49d43m47.81s NA  
## decstr+49d43m52.40s NA  
## decstr+49d44m13.75s NA  
## decstr+49d44m19.25s NA  
## decstr+49d44m38.91s NA  
## decstr+49d45m43.29s NA  
## decstr+49d45m54.17s NA  
## decstr+49d46m10.93s NA  
## decstr+49d46m28.25s NA  
## decstr+49d46m33.19s NA  
## decstr+49d46m52.48s NA  
## decstr+49d47m19.35s NA  
## decstr+49d47m28.08s NA  
## decstr+49d47m51.17s NA  
## decstr+49d48m02.36s NA  
## decstr+49d48m05.86s NA  
## decstr+49d49m32.19s NA  
## decstr+49d49m46.28s NA  
## decstr+49d50m40.74s NA  
## decstr+49d51m39.81s NA  
## decstr+49d51m54.55s NA  
## decstr+49d52m20.94s NA  
## decstr+49d53m39.19s NA  
## decstr+49d53m47.62s NA  
## decstr+49d54m54.08s NA  
## decstr+49d55m23.52s NA  
## decstr+49d55m25.73s NA  
## decstr+49d56m10.17s NA  
## decstr+49d56m15.53s NA  
## decstr+49d56m15.98s NA  
## decstr+49d56m20.02s NA  
## decstr+49d56m34.31s NA  
## decstr+49d56m44.94s NA  
## decstr+49d57m43.64s NA  
## decstr+49d58m06.76s NA  
## decstr+49d58m32.66s NA  
## decstr+49d58m54.30s NA  
## decstr+49d59m41.35s NA  
## decstr+50d01m12.22s NA  
## decstr+50d01m48.24s NA  
## decstr+50d02m14.35s NA  
## decstr+50d02m25.32s NA  
## decstr+50d03m14.60s NA  
## decstr+50d04m31.41s NA  
## decstr+50d04m32.07s NA  
## decstr+50d04m37.86s NA  
## decstr+50d04m51.47s NA  
## decstr+50d05m44.81s NA  
## decstr+50d06m43.34s NA  
## decstr+50d07m18.61s NA  
## decstr+50d07m41.62s NA  
## decstr+50d07m43.36s NA  
## decstr+50d07m52.24s NA  
## decstr+50d08m08.78s NA  
## decstr+50d08m48.09s NA  
## decstr+50d08m58.88s NA  
## decstr+50d11m18.12s NA  
## decstr+50d13m00.86s NA  
## decstr+50d13m30.53s NA  
## decstr+50d13m49.25s NA  
## decstr+50d14m29.34s NA  
## decstr+50d14m32.53s NA  
## decstr+50d16m30.75s NA  
## decstr+50d17m14.51s NA  
## decstr+50d18m00.82s NA  
## decstr+50d18m29.03s NA  
## decstr+50d19m17.66s NA  
## decstr+50d20m11.46s NA  
## decstr+50d21m11.73s NA  
## decstr+50d22m20.22s NA  
## decstr+50d22m34.72s NA  
## decstr+50d24m32.57s NA  
## decstr+50d25m37.38s NA  
## decstr+50d27m39.31s NA  
## decstr+50d28m12.16s NA  
## decstr+50d28m42.96s NA  
## decstr+50d29m40.23s NA  
## decstr+50d29m54.21s NA  
## decstr+50d30m09.93s NA  
## decstr+50d31m00.57s NA  
## decstr+50d31m54.65s NA  
## decstr+50d33m33.25s NA  
## decstr+50d34m04.09s NA  
## decstr+50d34m04.20s NA  
## decstr+50d34m52.86s NA  
## decstr+50d35m01.89s NA  
## decstr+50d35m10.33s NA  
## decstr+50d35m44.10s NA  
## decstr+50d35m49.24s NA  
## decstr+50d35m54.42s NA  
## decstr+50d36m13.60s NA  
## decstr+50d37m05.45s NA  
## decstr+50d37m17.25s NA  
## decstr+50d40m13.41s NA  
## decstr+50d40m20.32s NA  
## decstr+50d40m22.85s NA  
## decstr+50d41m55.58s NA  
## decstr+50d43m31.39s NA  
## decstr+50d43m37.26s NA  
## decstr+50d45m34.41s NA  
## decstr+50d47m13.43s NA  
## decstr+50d47m20.27s NA  
## decstr+50d51m48.37s NA  
## decstr+50d54m10.22s NA  
## decstr+50d54m35.11s NA  
## decstr+50d56m15.22s NA  
## decstr+50d56m39.06s NA  
## decstr+50d56m39.11s NA  
## decstr+50d59m38.83s NA  
## decstr+51d00m48.69s NA  
## decstr+51d02m28.08s NA  
## decstr+51d03m26.44s NA  
## decstr+51d03m38.18s NA  
## decstr+51d04m54.94s NA  
## decstr+51d07m18.21s NA  
## decstr+51d08m39.28s NA  
## decstr+51d09m15.20s NA  
## decstr+51d09m44.72s NA  
## decstr+51d11m05.15s NA  
## decstr+51d12m10.80s NA  
## decstr+51d12m31.01s NA  
## decstr+51d12m32.54s NA  
## decstr+51d13m21.88s NA  
## decstr+51d14m08.90s NA  
## decstr+51d14m14.66s NA  
## decstr+51d14m53.38s NA  
## decstr+51d14m59.82s NA  
## decstr+51d15m00.87s NA  
## decstr+51d16m08.84s NA  
## decstr+51d16m16.60s NA  
## decstr+51d16m32.32s NA  
## decstr+51d16m37.17s NA  
## decstr+51d17m19.60s NA  
## decstr+51d18m14.01s NA  
## decstr+51d19m10.04s NA  
## decstr+51d19m15.26s NA  
## decstr+51d20m05.36s NA  
## decstr+51d20m52.36s NA  
## decstr+51d21m16.04s NA  
## decstr+51d21m29.50s NA  
## decstr+51d22m33.41s NA  
## decstr+51d24m32.38s NA  
## decstr+51d28m21.97s NA  
## decstr+51d28m42.01s NA  
## decstr+51d29m54.17s NA  
## decstr+51d30m17.16s NA  
## decstr+51d41m08.56s NA  
## decstr+51d41m44.78s NA  
## decstr+51d44m14.49s NA  
## decstr+51d45m26.02s NA  
## decstr+51d46m43.59s NA  
## decstr+51d54m17.47s NA  
## decstr+52d03m14.12s NA  
## decstr+52d04m12.75s NA  
## decstr+52d08m56.78s NA  
## decstr+52d16m36.22s NA  
## decstr+52d41m00.68s NA  
## decstr+52d56m38.92s NA  
## decstr+53d01m16.59s NA  
## decstr+53d22m51.46s NA  
## decstr+53d30m32.49s NA  
## decstr+53d34m05.53s NA  
## decstr+53d43m41.48s NA  
## decstr+53d55m19.74s NA  
## decstr+53d57m02.97s NA  
## decstr+54d17m15.43s NA  
## decstr+54d18m12.10s NA  
## decstr+54d24m32.30s NA  
## decstr+54d29m10.15s NA  
## decstr+54d51m04.37s NA  
## decstr+54d53m41.34s NA  
## decstr+55d01m11.93s NA  
## decstr+55d28m22.90s NA  
## decstr+55d35m16.88s NA  
## decstr+55d51m02.40s NA  
## decstr+56d01m32.55s NA  
## decstr+56d23m32.89s NA  
## decstr+56d39m02.44s NA  
## decstr+56d41m53.62s NA  
## decstr+56d43m49.08s NA  
## decstr+56d52m05.77s NA  
## decstr+56d53m13.71s NA  
## decstr+57d01m46.13s NA  
## decstr+57d10m10.65s NA  
## decstr+57d38m26.37s NA  
## decstr+57d49m01.95s NA  
## decstr+58d02m35.60s NA  
## decstr+58d09m40.23s NA  
## decstr+58d16m05.19s NA  
## decstr+58d16m32.02s NA  
## decstr+58d25m34.13s NA  
## decstr+58d57m58.11s NA  
## decstr+59d15m13.97s NA  
## decstr+59d24m45.01s NA  
## decstr+59d26m39.38s NA  
## decstr+59d26m56.05s NA  
## decstr+59d29m30.61s NA  
## decstr+60d40m34.67s NA  
## decstr+60d57m50.83s NA  
## decstr+61d08m05.97s NA  
## decstr+61d12m48.19s NA  
## decstr+61d27m39.07s NA  
## decstr+61d40m45.65s NA  
## decstr+61d42m05.42s NA  
## decstr+61d58m12.38s NA  
## decstr+62d14m21.09s NA  
## decstr+62d18m19.37s NA  
## decstr+62d20m43.58s NA  
## decstr+62d31m45.08s NA  
## decstr+62d45m13.74s NA  
## decstr+62d47m09.42s NA  
## decstr+63d04m41.08s NA  
## decstr+63d09m20.21s NA  
## decstr+63d21m10.02s NA  
## decstr+63d27m13.95s NA  
## decstr+63d36m37.18s NA  
## decstr+63d40m12.02s NA  
## decstr+64d01m56.75s NA  
## decstr+64d19m06.15s NA  
## decstr+64d19m40.98s NA  
## decstr+64d47m49.75s NA  
## decstr+64d57m49.84s NA  
## decstr+65d09m44.39s NA  
## decstr+65d33m48.11s NA  
## decstr+65d35m39.08s NA  
## decstr+65d36m31.62s NA  
## decstr+65d50m01.31s NA  
## decstr+65d51m15.11s NA  
## decstr+66d04m19.92s NA  
## decstr+66d14m06.19s NA  
## decstr+66d20m52.58s NA  
## decstr+66d21m31.35s NA  
## decstr+66d51m01.09s NA  
## decstr+67d14m21.13s NA  
## decstr+67d14m34.48s NA  
## decstr+68d20m01.23s NA  
## decstr+68d43m11.92s NA  
## decstr+69d04m26.86s NA  
## decstr+69d16m35.83s NA  
## decstr+69d31m22.34s NA  
## decstr+69d34m15.01s NA  
## decstr+69d38m20.89s NA  
## decstr+70d11m24.14s NA  
## decstr+70d14m18.53s NA  
## decstr+70d23m27.88s NA  
## decstr+70d31m37.50s NA  
## decstr+70d47m34.17s NA  
## decstr+71d18m50.24s NA  
## decstr+71d39m20.62s NA  
## decstr+71d45m11.12s NA  
## decstr+71d49m26.19s NA  
## decstr+72d09m20.56s NA  
## decstr+72d09m40.25s NA  
## decstr+72d17m47.81s NA  
## decstr+72d24m53.75s NA  
## decstr+72d27m21.09s NA  
## decstr+72d36m45.29s NA  
## decstr+72d42m37.13s NA  
## decstr+73d09m07.69s NA  
## decstr+73d11m42.39s NA  
## decstr+73d49m39.24s NA  
## decstr+73d52m04.85s NA  
## decstr+74d03m46.29s NA  
## decstr+74d04m48.28s NA  
## decstr+74d29m21.62s NA  
## decstr+74d49m37.96s NA  
## decstr+74d54m03.38s NA  
## decstr+75d02m38.36s NA  
## decstr+76d12m39.67s NA  
## decstr+76d42m36.53s NA  
## decstr+76d54m19.21s NA  
## decstr+77d37m59.16s NA  
## decstr+77d39m42.18s NA  
## decstr+77d47m24.44s NA  
## decstr+78d03m52.70s NA  
## decstr+79d13m54.66s NA  
## decstr+79d15m23.31s NA  
## decstr+79d25m06.89s NA  
## decstr+79d47m21.85s NA  
## decstr+80d08m11.05s NA  
## decstr+80d16m02.58s NA  
## decstr+81d02m20.35s NA  
## decstr+81d19m34.71s NA  
## decstr+82d14m43.49s NA  
## decstr+83d22m21.74s NA  
## decstr+83d41m51.11s NA  
## decstr+84d20m01.54s NA  
## decstr+84d21m51.35s NA  
## decstr+85d13m59.95s NA  
## decstr+85d44m11.52s NA  
## dec NA  
## sy\_dist NA  
## sy\_vmag NA  
## sy\_kmag NA  
## sy\_gaiamag NA  
## sy\_gaiamagerr1 NA  
## sy\_gaiamagerr2 NA  
## Pr(>|t|)  
## (Intercept) NaN  
## pl\_name11 UMi b NaN  
## pl\_name14 And b NaN  
## pl\_name14 Her b NaN  
## pl\_name16 Cyg B b NaN  
## pl\_name17 Sco b NaN  
## pl\_name18 Del b NaN  
## pl\_name24 Boo b NaN  
## pl\_name24 Sex b NaN  
## pl\_name24 Sex c NaN  
## pl\_name2MASS J19383260+4603591 b NaN  
## pl\_name30 Ari B b NaN  
## pl\_name4 UMa b NaN  
## pl\_name42 Dra b NaN  
## pl\_name47 UMa b NaN  
## pl\_name47 UMa c NaN  
## pl\_name47 UMa d NaN  
## pl\_name51 Eri b NaN  
## pl\_name51 Peg b NaN  
## pl\_name55 Cnc b NaN  
## pl\_name55 Cnc c NaN  
## pl\_name55 Cnc d NaN  
## pl\_name55 Cnc e NaN  
## pl\_name55 Cnc f NaN  
## pl\_name6 Lyn b NaN  
## pl\_name61 Vir b NaN  
## pl\_name61 Vir c NaN  
## pl\_name61 Vir d NaN  
## pl\_name7 CMa b NaN  
## pl\_name7 CMa c NaN  
## pl\_name70 Vir b NaN  
## pl\_name75 Cet b NaN  
## pl\_name8 UMi b NaN  
## pl\_name81 Cet b NaN  
## pl\_name91 Aqr b NaN  
## pl\_nameAF Lep b NaN  
## pl\_nameAU Mic b NaN  
## pl\_nameAU Mic c NaN  
## pl\_nameBD-00 4475 b NaN  
## pl\_nameBD-06 1339 b NaN  
## pl\_nameBD-06 1339 c NaN  
## pl\_nameBD-08 2823 b NaN  
## pl\_nameBD-08 2823 c NaN  
## pl\_nameBD-10 3166 b NaN  
## pl\_nameBD-11 4672 b NaN  
## pl\_nameBD-11 4672 c NaN  
## pl\_nameBD-13 2130 b NaN  
## pl\_nameBD-17 63 b NaN  
## pl\_nameBD-210397 b NaN  
## pl\_nameBD-210397 c NaN  
## pl\_nameBD+03 2562 b NaN  
## pl\_nameBD+14 4559 b NaN  
## pl\_nameBD+15 2375 b NaN  
## pl\_nameBD+15 2940 b NaN  
## pl\_nameBD+20 2457 b NaN  
## pl\_nameBD+20 2457 c NaN  
## pl\_nameBD+20 274 b NaN  
## pl\_nameBD+20 594 b NaN  
## pl\_nameBD+45 564 b NaN  
## pl\_nameBD+48 738 b NaN  
## pl\_nameBD+48 740 b NaN  
## pl\_nameBD+49 828 b NaN  
## pl\_nameBD+55 362 b NaN  
## pl\_nameBD+63 1405 b NaN  
## pl\_namebet Cnc b NaN  
## pl\_namebet Pic b NaN  
## pl\_namebet Pic c NaN  
## pl\_nameCoRoT-1 b NaN  
## pl\_nameCoRoT-10 b NaN  
## pl\_nameCoRoT-11 b NaN  
## pl\_nameCoRoT-12 b NaN  
## pl\_nameCoRoT-13 b NaN  
## pl\_nameCoRoT-14 b NaN  
## pl\_nameCoRoT-16 b NaN  
## pl\_nameCoRoT-17 b NaN  
## pl\_nameCoRoT-18 b NaN  
## pl\_nameCoRoT-19 b NaN  
## pl\_nameCoRoT-2 b NaN  
## pl\_nameCoRoT-20 b NaN  
## pl\_nameCoRoT-20 c NaN  
## pl\_nameCoRoT-21 b NaN  
## pl\_nameCoRoT-22 b NaN  
## pl\_nameCoRoT-23 b NaN  
## pl\_nameCoRoT-24 b NaN  
## pl\_nameCoRoT-24 c NaN  
## pl\_nameCoRoT-25 b NaN  
## pl\_nameCoRoT-26 b NaN  
## pl\_nameCoRoT-27 b NaN  
## pl\_nameCoRoT-28 b NaN  
## pl\_nameCoRoT-29 b NaN  
## pl\_nameCoRoT-3 b NaN  
## pl\_nameCoRoT-30 b NaN  
## pl\_nameCoRoT-31 b NaN  
## pl\_nameCoRoT-35 b NaN  
## pl\_nameCoRoT-36 b NaN  
## pl\_nameCoRoT-4 b NaN  
## pl\_nameCoRoT-5 b NaN  
## pl\_nameCoRoT-6 b NaN  
## pl\_nameCoRoT-7 b NaN  
## pl\_nameCoRoT-7 c NaN  
## pl\_nameCoRoT-8 b NaN  
## pl\_nameCoRoT-9 b NaN  
## pl\_nameDE CVn b NaN  
## pl\_nameDMPP-1 b NaN  
## pl\_nameDMPP-1 c NaN  
## pl\_nameDMPP-1 d NaN  
## pl\_nameDMPP-1 e NaN  
## pl\_nameDMPP-2 b NaN  
## pl\_nameDMPP-4 b NaN  
## pl\_nameEPIC 201170410.02 NaN  
## pl\_nameEPIC 211822797 b NaN  
## pl\_nameEPIC 211945201 b NaN  
## pl\_nameEPIC 212737443 b NaN  
## pl\_nameEPIC 212737443 c NaN  
## pl\_nameEPIC 220674823 b NaN  
## pl\_nameEPIC 220674823 c NaN  
## pl\_nameEPIC 229004835 b NaN  
## pl\_nameEPIC 249893012 b NaN  
## pl\_nameEPIC 249893012 c NaN  
## pl\_nameEPIC 249893012 d NaN  
## pl\_nameeps CrB b NaN  
## pl\_nameeps Eri b NaN  
## pl\_nameeps Ind A b NaN  
## pl\_nameeps Tau b NaN  
## pl\_namegam Cep b NaN  
## pl\_namegam Lib b NaN  
## pl\_namegam Lib c NaN  
## pl\_namegam Psc b NaN  
## pl\_nameGJ 1061 b NaN  
## pl\_nameGJ 1061 c NaN  
## pl\_nameGJ 1061 d NaN  
## pl\_nameGJ 1132 b NaN  
## pl\_nameGJ 1132 c NaN  
## pl\_nameGJ 1148 b NaN  
## pl\_nameGJ 1148 c NaN  
## pl\_nameGJ 1214 b NaN  
## pl\_nameGJ 1252 b NaN  
## pl\_nameGJ 1265 b NaN  
## pl\_nameGJ 143 b NaN  
## pl\_nameGJ 15 A b NaN  
## pl\_nameGJ 15 A c NaN  
## pl\_nameGJ 160.2 b NaN  
## pl\_nameGJ 163 b NaN  
## pl\_nameGJ 163 c NaN  
## pl\_nameGJ 163 d NaN  
## pl\_nameGJ 179 b NaN  
## pl\_nameGJ 180 b NaN  
## pl\_nameGJ 180 c NaN  
## pl\_nameGJ 180 d NaN  
## pl\_nameGJ 2030 b NaN  
## pl\_nameGJ 2030 c NaN  
## pl\_nameGJ 2056 b NaN  
## pl\_nameGJ 229 A c NaN  
## pl\_nameGJ 229 b NaN  
## pl\_nameGJ 251 b NaN  
## pl\_nameGJ 27.1 b NaN  
## pl\_nameGJ 3021 b NaN  
## pl\_nameGJ 3082 b NaN  
## pl\_nameGJ 3090 b NaN  
## pl\_nameGJ 3138 b NaN  
## pl\_nameGJ 3138 c NaN  
## pl\_nameGJ 3138 d NaN  
## pl\_nameGJ 317 b NaN  
## pl\_nameGJ 317 c NaN  
## pl\_nameGJ 328 b NaN  
## pl\_nameGJ 3293 b NaN  
## pl\_nameGJ 3293 c NaN  
## pl\_nameGJ 3293 d NaN  
## pl\_nameGJ 3293 e NaN  
## pl\_nameGJ 3341 b NaN  
## pl\_nameGJ 338 B b NaN  
## pl\_nameGJ 3470 b NaN  
## pl\_nameGJ 3473 b NaN  
## pl\_nameGJ 3473 c NaN  
## pl\_nameGJ 3512 b NaN  
## pl\_nameGJ 3512 c NaN  
## pl\_nameGJ 3634 b NaN  
## pl\_nameGJ 367 b NaN  
## pl\_nameGJ 3779 b NaN  
## pl\_nameGJ 3929 b NaN  
## pl\_nameGJ 3929 c NaN  
## pl\_nameGJ 3942 b NaN  
## pl\_nameGJ 3998 b NaN  
## pl\_nameGJ 3998 c NaN  
## pl\_nameGJ 414 A b NaN  
## pl\_nameGJ 414 A c NaN  
## pl\_nameGJ 422 b NaN  
## pl\_nameGJ 4276 b NaN  
## pl\_nameGJ 433 b NaN  
## pl\_nameGJ 433 c NaN  
## pl\_nameGJ 433 d NaN  
## pl\_nameGJ 436 b NaN  
## pl\_nameGJ 463 b NaN  
## pl\_nameGJ 480 b NaN  
## pl\_nameGJ 486 b NaN  
## pl\_nameGJ 514 b NaN  
## pl\_nameGJ 536 b NaN  
## pl\_nameGJ 581 b NaN  
## pl\_nameGJ 581 c NaN  
## pl\_nameGJ 581 e NaN  
## pl\_nameGJ 625 b NaN  
## pl\_nameGJ 649 b NaN  
## pl\_nameGJ 667 C b NaN  
## pl\_nameGJ 667 C c NaN  
## pl\_nameGJ 667 C e NaN  
## pl\_nameGJ 667 C f NaN  
## pl\_nameGJ 667 C g NaN  
## pl\_nameGJ 674 b NaN  
## pl\_nameGJ 676 A b NaN  
## pl\_nameGJ 676 A c NaN  
## pl\_nameGJ 676 A d NaN  
## pl\_nameGJ 676 A e NaN  
## pl\_nameGJ 680 b NaN  
## pl\_nameGJ 682 b NaN  
## pl\_nameGJ 682 c NaN  
## pl\_nameGJ 685 b NaN  
## pl\_nameGJ 687 b NaN  
## pl\_nameGJ 687 c NaN  
## pl\_nameGJ 720 A b NaN  
## pl\_nameGJ 740 b NaN  
## pl\_nameGJ 832 b NaN  
## pl\_nameGJ 849 b NaN  
## pl\_nameGJ 849 c NaN  
## pl\_nameGJ 86 b NaN  
## pl\_nameGJ 876 b NaN  
## pl\_nameGJ 876 c NaN  
## pl\_nameGJ 876 d NaN  
## pl\_nameGJ 876 e NaN  
## pl\_nameGJ 887 b NaN  
## pl\_nameGJ 896 A b NaN  
## pl\_nameGJ 9066 c NaN  
## pl\_nameGJ 9404 b NaN  
## pl\_nameGJ 96 b NaN  
## pl\_nameGJ 9689 b NaN  
## pl\_nameGJ 9714 b NaN  
## pl\_nameGJ 9827 b NaN  
## pl\_nameGJ 9827 c NaN  
## pl\_nameGJ 9827 d NaN  
## pl\_nameGl 378 b NaN  
## pl\_nameGl 49 b NaN  
## pl\_nameGl 686 b NaN  
## pl\_nameGPX-1 b NaN  
## pl\_nameHAT-P-1 b NaN  
## pl\_nameHAT-P-11 b NaN  
## pl\_nameHAT-P-11 c NaN  
## pl\_nameHAT-P-12 b NaN  
## pl\_nameHAT-P-13 b NaN  
## pl\_nameHAT-P-13 c NaN  
## pl\_nameHAT-P-14 b NaN  
## pl\_nameHAT-P-15 b NaN  
## pl\_nameHAT-P-16 b NaN  
## pl\_nameHAT-P-17 b NaN  
## pl\_nameHAT-P-17 c NaN  
## pl\_nameHAT-P-18 b NaN  
## pl\_nameHAT-P-19 b NaN  
## pl\_nameHAT-P-2 b NaN  
## pl\_nameHAT-P-20 b NaN  
## pl\_nameHAT-P-21 b NaN  
## pl\_nameHAT-P-22 b NaN  
## pl\_nameHAT-P-23 b NaN  
## pl\_nameHAT-P-24 b NaN  
## pl\_nameHAT-P-25 b NaN  
## pl\_nameHAT-P-26 b NaN  
## pl\_nameHAT-P-27 b NaN  
## pl\_nameHAT-P-28 b NaN  
## pl\_nameHAT-P-29 b NaN  
## pl\_nameHAT-P-3 b NaN  
## pl\_nameHAT-P-30 b NaN  
## pl\_nameHAT-P-31 b NaN  
## pl\_nameHAT-P-32 b NaN  
## pl\_nameHAT-P-33 b NaN  
## pl\_nameHAT-P-34 b NaN  
## pl\_nameHAT-P-35 b NaN  
## pl\_nameHAT-P-36 b NaN  
## pl\_nameHAT-P-37 b NaN  
## pl\_nameHAT-P-38 b NaN  
## pl\_nameHAT-P-39 b NaN  
## pl\_nameHAT-P-4 b NaN  
## pl\_nameHAT-P-40 b NaN  
## pl\_nameHAT-P-41 b NaN  
## pl\_nameHAT-P-42 b NaN  
## pl\_nameHAT-P-43 b NaN  
## pl\_nameHAT-P-44 b NaN  
## pl\_nameHAT-P-44 c NaN  
## pl\_nameHAT-P-45 b NaN  
## pl\_nameHAT-P-46 b NaN  
## pl\_nameHAT-P-49 b NaN  
## pl\_nameHAT-P-5 b NaN  
## pl\_nameHAT-P-50 b NaN  
## pl\_nameHAT-P-51 b NaN  
## pl\_nameHAT-P-52 b NaN  
## pl\_nameHAT-P-53 b NaN  
## pl\_nameHAT-P-54 b NaN  
## pl\_nameHAT-P-55 b NaN  
## pl\_nameHAT-P-56 b NaN  
## pl\_nameHAT-P-57 b NaN  
## pl\_nameHAT-P-58 b NaN  
## pl\_nameHAT-P-59 b NaN  
## pl\_nameHAT-P-6 b NaN  
## pl\_nameHAT-P-60 b NaN  
## pl\_nameHAT-P-61 b NaN  
## pl\_nameHAT-P-62 b NaN  
## pl\_nameHAT-P-64 b NaN  
## pl\_nameHAT-P-65 b NaN  
## pl\_nameHAT-P-66 b NaN  
## pl\_nameHAT-P-67 b NaN  
## pl\_nameHAT-P-68 b NaN  
## pl\_nameHAT-P-69 b NaN  
## pl\_nameHAT-P-7 b NaN  
## pl\_nameHAT-P-70 b NaN  
## pl\_nameHAT-P-8 b NaN  
## pl\_nameHAT-P-9 b NaN  
## pl\_nameHATS-1 b NaN  
## pl\_nameHATS-10 b NaN  
## pl\_nameHATS-11 b NaN  
## pl\_nameHATS-12 b NaN  
## pl\_nameHATS-13 b NaN  
## pl\_nameHATS-14 b NaN  
## pl\_nameHATS-15 b NaN  
## pl\_nameHATS-16 b NaN  
## pl\_nameHATS-17 b NaN  
## pl\_nameHATS-18 b NaN  
## pl\_nameHATS-2 b NaN  
## pl\_nameHATS-22 b NaN  
## pl\_nameHATS-23 b NaN  
## pl\_nameHATS-24 b NaN  
## pl\_nameHATS-25 b NaN  
## pl\_nameHATS-26 b NaN  
## pl\_nameHATS-27 b NaN  
## pl\_nameHATS-28 b NaN  
## pl\_nameHATS-29 b NaN  
## pl\_nameHATS-3 b NaN  
## pl\_nameHATS-30 b NaN  
## pl\_nameHATS-31 b NaN  
## pl\_nameHATS-32 b NaN  
## pl\_nameHATS-33 b NaN  
## pl\_nameHATS-34 b NaN  
## pl\_nameHATS-35 b NaN  
## pl\_nameHATS-36 b NaN  
## pl\_nameHATS-37 A b NaN  
## pl\_nameHATS-38 b NaN  
## pl\_nameHATS-39 b NaN  
## pl\_nameHATS-4 b NaN  
## pl\_nameHATS-40 b NaN  
## pl\_nameHATS-41 b NaN  
## pl\_nameHATS-42 b NaN  
## pl\_nameHATS-43 b NaN  
## pl\_nameHATS-44 b NaN  
## pl\_nameHATS-45 b NaN  
## pl\_nameHATS-46 b NaN  
## pl\_nameHATS-47 b NaN  
## pl\_nameHATS-48 A b NaN  
## pl\_nameHATS-49 b NaN  
## pl\_nameHATS-5 b NaN  
## pl\_nameHATS-50 b NaN  
## pl\_nameHATS-51 b NaN  
## pl\_nameHATS-52 b NaN  
## pl\_nameHATS-53 b NaN  
## pl\_nameHATS-54 b NaN  
## pl\_nameHATS-55 b NaN  
## pl\_nameHATS-56 b NaN  
## pl\_nameHATS-57 b NaN  
## pl\_nameHATS-58 A b NaN  
## pl\_nameHATS-59 b NaN  
## pl\_nameHATS-59 c NaN  
## pl\_nameHATS-6 b NaN  
## pl\_nameHATS-60 b NaN  
## pl\_nameHATS-61 b NaN  
## pl\_nameHATS-62 b NaN  
## pl\_nameHATS-63 b NaN  
## pl\_nameHATS-64 b NaN  
## pl\_nameHATS-65 b NaN  
## pl\_nameHATS-66 b NaN  
## pl\_nameHATS-67 b NaN  
## pl\_nameHATS-68 b NaN  
## pl\_nameHATS-69 b NaN  
## pl\_nameHATS-7 b NaN  
## pl\_nameHATS-70 b NaN  
## pl\_nameHATS-71 b NaN  
## pl\_nameHATS-72 b NaN  
## pl\_nameHATS-74 A b NaN  
## pl\_nameHATS-75 b NaN  
## pl\_nameHATS-76 b NaN  
## pl\_nameHATS-77 b NaN  
## pl\_nameHATS-8 b NaN  
## pl\_nameHATS-9 b NaN  
## pl\_nameHD 100655 b NaN  
## pl\_nameHD 100777 b NaN  
## pl\_nameHD 10180 c NaN  
## pl\_nameHD 10180 d NaN  
## pl\_nameHD 10180 e NaN  
## pl\_nameHD 10180 f NaN  
## pl\_nameHD 10180 g NaN  
## pl\_nameHD 10180 h NaN  
## pl\_nameHD 101930 b NaN  
## pl\_nameHD 102117 b NaN  
## pl\_nameHD 102195 b NaN  
## pl\_nameHD 102272 b NaN  
## pl\_nameHD 102329 b NaN  
## pl\_nameHD 102365 b NaN  
## pl\_nameHD 102843 b NaN  
## pl\_nameHD 102956 b NaN  
## pl\_nameHD 103197 b NaN  
## pl\_nameHD 103720 b NaN  
## pl\_nameHD 103774 b NaN  
## pl\_nameHD 103891 b NaN  
## pl\_nameHD 103949 b NaN  
## pl\_nameHD 104067 b NaN  
## pl\_nameHD 10442 b NaN  
## pl\_nameHD 104985 b NaN  
## pl\_nameHD 105618 b NaN  
## pl\_nameHD 105618 c NaN  
## pl\_nameHD 105779 b NaN  
## pl\_nameHD 106252 b NaN  
## pl\_nameHD 106270 b NaN  
## pl\_nameHD 106315 b NaN  
## pl\_nameHD 106315 c NaN  
## pl\_nameHD 10647 b NaN  
## pl\_nameHD 106515 A b NaN  
## pl\_nameHD 10697 b NaN  
## pl\_nameHD 107148 b NaN  
## pl\_nameHD 107148 c NaN  
## pl\_nameHD 108147 b NaN  
## pl\_nameHD 108202 b NaN  
## pl\_nameHD 108236 b NaN  
## pl\_nameHD 108236 c NaN  
## pl\_nameHD 108236 d NaN  
## pl\_nameHD 108236 e NaN  
## pl\_nameHD 108236 f NaN  
## pl\_nameHD 108341 b NaN  
## pl\_nameHD 108863 b NaN  
## pl\_nameHD 108874 b NaN  
## pl\_nameHD 108874 c NaN  
## pl\_nameHD 109246 b NaN  
## pl\_nameHD 109271 b NaN  
## pl\_nameHD 109271 c NaN  
## pl\_nameHD 109286 b NaN  
## pl\_nameHD 109749 b NaN  
## pl\_nameHD 10975 b NaN  
## pl\_nameHD 109988 b NaN  
## pl\_nameHD 110014 b NaN  
## pl\_nameHD 110082 b NaN  
## pl\_nameHD 110113 b NaN  
## pl\_nameHD 110113 c NaN  
## pl\_nameHD 110537 b NaN  
## pl\_nameHD 11112 b NaN  
## pl\_nameHD 111232 b NaN  
## pl\_nameHD 111232 c NaN  
## pl\_nameHD 111998 b NaN  
## pl\_nameHD 112300 b NaN  
## pl\_nameHD 112640 b NaN  
## pl\_nameHD 113337 b NaN  
## pl\_nameHD 113337 c NaN  
## pl\_nameHD 11343 c NaN  
## pl\_nameHD 113538 b NaN  
## pl\_nameHD 113538 c NaN  
## pl\_nameHD 113996 b NaN  
## pl\_nameHD 114082 b NaN  
## pl\_nameHD 114386 b NaN  
## pl\_nameHD 114613 b NaN  
## pl\_nameHD 114729 b NaN  
## pl\_nameHD 114783 b NaN  
## pl\_nameHD 114783 c NaN  
## pl\_nameHD 11505 b NaN  
## pl\_nameHD 11506 b NaN  
## pl\_nameHD 11506 c NaN  
## pl\_nameHD 11506 d NaN  
## pl\_nameHD 115404 A b NaN  
## pl\_nameHD 115404 A c NaN  
## pl\_nameHD 115954 b NaN  
## pl\_nameHD 116029 b NaN  
## pl\_nameHD 117207 b NaN  
## pl\_nameHD 11755 b NaN  
## pl\_nameHD 117618 b NaN  
## pl\_nameHD 118203 b NaN  
## pl\_nameHD 11964 b NaN  
## pl\_nameHD 11964 c NaN  
## pl\_nameHD 11977 b NaN  
## pl\_nameHD 120084 b NaN  
## pl\_nameHD 121504 b NaN  
## pl\_nameHD 12235 b NaN  
## pl\_nameHD 12235 c NaN  
## pl\_nameHD 124330 b NaN  
## pl\_nameHD 12484 b NaN  
## pl\_nameHD 125271 b NaN  
## pl\_nameHD 125390 b NaN  
## pl\_nameHD 125595 b NaN  
## pl\_nameHD 125612 b NaN  
## pl\_nameHD 125612 c NaN  
## pl\_nameHD 125612 d NaN  
## pl\_nameHD 12648 b NaN  
## pl\_nameHD 126525 b NaN  
## pl\_nameHD 12661 b NaN  
## pl\_nameHD 12661 c NaN  
## pl\_nameHD 126614 b NaN  
## pl\_nameHD 127506 b NaN  
## pl\_nameHD 128311 b NaN  
## pl\_nameHD 128311 c NaN  
## pl\_nameHD 128356 b NaN  
## pl\_nameHD 129445 b NaN  
## pl\_nameHD 130322 b NaN  
## pl\_nameHD 131496 b NaN  
## pl\_nameHD 13167 b NaN  
## pl\_nameHD 13189 b NaN  
## pl\_nameHD 132406 b NaN  
## pl\_nameHD 132563 b NaN  
## pl\_nameHD 133131 A b NaN  
## pl\_nameHD 133131 A c NaN  
## pl\_nameHD 133131 B b NaN  
## pl\_nameHD 134060 b NaN  
## pl\_nameHD 134060 c NaN  
## pl\_nameHD 134987 b NaN  
## pl\_nameHD 134987 c NaN  
## pl\_nameHD 135625 b NaN  
## pl\_nameHD 136118 b NaN  
## pl\_nameHD 136352 b NaN  
## pl\_nameHD 136352 c NaN  
## pl\_nameHD 136352 d NaN  
## pl\_nameHD 136925 b NaN  
## pl\_nameHD 13724 c NaN  
## pl\_nameHD 137388 b NaN  
## pl\_nameHD 137496 b NaN  
## pl\_nameHD 137496 c NaN  
## pl\_nameHD 13808 b NaN  
## pl\_nameHD 13808 c NaN  
## pl\_nameHD 13908 b NaN  
## pl\_nameHD 13908 c NaN  
## pl\_nameHD 13931 b NaN  
## pl\_nameHD 139357 b NaN  
## pl\_nameHD 1397 b NaN  
## pl\_nameHD 14067 b NaN  
## pl\_nameHD 140901 b NaN  
## pl\_nameHD 140901 c NaN  
## pl\_nameHD 141004 b NaN  
## pl\_nameHD 141399 b NaN  
## pl\_nameHD 141399 c NaN  
## pl\_nameHD 141399 d NaN  
## pl\_nameHD 141399 e NaN  
## pl\_nameHD 141937 b NaN  
## pl\_nameHD 142 A d NaN  
## pl\_nameHD 142 b NaN  
## pl\_nameHD 142 c NaN  
## pl\_nameHD 142022 A b NaN  
## pl\_nameHD 142245 b NaN  
## pl\_nameHD 142415 b NaN  
## pl\_nameHD 143105 b NaN  
## pl\_nameHD 143361 b NaN  
## pl\_nameHD 144899 b NaN  
## pl\_nameHD 145377 b NaN  
## pl\_nameHD 145457 b NaN  
## pl\_nameHD 145675 c NaN  
## pl\_nameHD 145934 b NaN  
## pl\_nameHD 1461 b NaN  
## pl\_nameHD 1461 c NaN  
## pl\_nameHD 147018 b NaN  
## pl\_nameHD 147018 c NaN  
## pl\_nameHD 147379 b NaN  
## pl\_nameHD 147513 b NaN  
## pl\_nameHD 14787 b NaN  
## pl\_nameHD 147873 b NaN  
## pl\_nameHD 147873 c NaN  
## pl\_nameHD 148156 b NaN  
## pl\_nameHD 148164 b NaN  
## pl\_nameHD 148164 c NaN  
## pl\_nameHD 148427 b NaN  
## pl\_nameHD 149026 b NaN  
## pl\_nameHD 149143 b NaN  
## pl\_nameHD 149806 b NaN  
## pl\_nameHD 150010 b NaN  
## pl\_nameHD 1502 b NaN  
## pl\_nameHD 150706 b NaN  
## pl\_nameHD 151450 b NaN  
## pl\_nameHD 151450 c NaN  
## pl\_nameHD 152079 b NaN  
## pl\_nameHD 152581 b NaN  
## pl\_nameHD 152843 b NaN  
## pl\_nameHD 15337 b NaN  
## pl\_nameHD 15337 c NaN  
## pl\_nameHD 153557 b NaN  
## pl\_nameHD 153557 c NaN  
## pl\_nameHD 153557 d NaN  
## pl\_nameHD 153950 b NaN  
## pl\_nameHD 154088 b NaN  
## pl\_nameHD 154345 b NaN  
## pl\_nameHD 154672 b NaN  
## pl\_nameHD 154857 b NaN  
## pl\_nameHD 154857 c NaN  
## pl\_nameHD 155193 b NaN  
## pl\_nameHD 155358 b NaN  
## pl\_nameHD 155358 c NaN  
## pl\_nameHD 155918 b NaN  
## pl\_nameHD 155918 c NaN  
## pl\_nameHD 156098 b NaN  
## pl\_nameHD 156098 c NaN  
## pl\_nameHD 156279 b NaN  
## pl\_nameHD 156279 c NaN  
## pl\_nameHD 156411 b NaN  
## pl\_nameHD 156668 b NaN  
## pl\_nameHD 156668 c NaN  
## pl\_nameHD 156846 b NaN  
## pl\_nameHD 158038 b NaN  
## pl\_nameHD 158996 b NaN  
## pl\_nameHD 15906 b NaN  
## pl\_nameHD 15906 c NaN  
## pl\_nameHD 159243 b NaN  
## pl\_nameHD 159243 c NaN  
## pl\_nameHD 159868 b NaN  
## pl\_nameHD 159868 c NaN  
## pl\_nameHD 1605 b NaN  
## pl\_nameHD 1605 c NaN  
## pl\_nameHD 160691 d NaN  
## pl\_nameHD 161178 b NaN  
## pl\_nameHD 16141 b NaN  
## pl\_nameHD 16175 b NaN  
## pl\_nameHD 162020 b NaN  
## pl\_nameHD 163607 b NaN  
## pl\_nameHD 163607 c NaN  
## pl\_nameHD 16417 b NaN  
## pl\_nameHD 164509 b NaN  
## pl\_nameHD 164595 b NaN  
## pl\_nameHD 164604 b NaN  
## pl\_nameHD 164922 b NaN  
## pl\_nameHD 164922 c NaN  
## pl\_nameHD 164922 d NaN  
## pl\_nameHD 164922 e NaN  
## pl\_nameHD 165131 b NaN  
## pl\_nameHD 165155 b NaN  
## pl\_nameHD 1666 b NaN  
## pl\_nameHD 166724 b NaN  
## pl\_nameHD 167042 b NaN  
## pl\_nameHD 167677 b NaN  
## pl\_nameHD 167768 b NaN  
## pl\_nameHD 168009 b NaN  
## pl\_nameHD 168443 b NaN  
## pl\_nameHD 168443 c NaN  
## pl\_nameHD 168746 b NaN  
## pl\_nameHD 168863 b NaN  
## pl\_nameHD 1690 b NaN  
## pl\_nameHD 16905 b NaN  
## pl\_nameHD 169830 b NaN  
## pl\_nameHD 169830 c NaN  
## pl\_nameHD 170469 b NaN  
## pl\_nameHD 17092 b NaN  
## pl\_nameHD 171028 b NaN  
## pl\_nameHD 171238 b NaN  
## pl\_nameHD 17156 b NaN  
## pl\_nameHD 173416 b NaN  
## pl\_nameHD 174205 b NaN  
## pl\_nameHD 175167 b NaN  
## pl\_nameHD 175541 b NaN  
## pl\_nameHD 17674 b NaN  
## pl\_nameHD 176986 b NaN  
## pl\_nameHD 176986 c NaN  
## pl\_nameHD 177565 b NaN  
## pl\_nameHD 177830 b NaN  
## pl\_nameHD 177830 c NaN  
## pl\_nameHD 178911 B b NaN  
## pl\_nameHD 179079 b NaN  
## pl\_nameHD 179949 b NaN  
## pl\_nameHD 180053 b NaN  
## pl\_nameHD 18015 b NaN  
## pl\_nameHD 180314 b NaN  
## pl\_nameHD 180617 b NaN  
## pl\_nameHD 180902 b NaN  
## pl\_nameHD 181234 b NaN  
## pl\_nameHD 181342 b NaN  
## pl\_nameHD 18143 b NaN  
## pl\_nameHD 18143 c NaN  
## pl\_nameHD 181433 b NaN  
## pl\_nameHD 181433 c NaN  
## pl\_nameHD 181433 d NaN  
## pl\_nameHD 181720 b NaN  
## pl\_nameHD 183263 b NaN  
## pl\_nameHD 183263 c NaN  
## pl\_nameHD 183579 b NaN  
## pl\_nameHD 184010 b NaN  
## pl\_nameHD 184010 c NaN  
## pl\_nameHD 184010 d NaN  
## pl\_nameHD 18438 b NaN  
## pl\_nameHD 185269 b NaN  
## pl\_nameHD 185283 b NaN  
## pl\_nameHD 18599 b NaN  
## pl\_nameHD 187085 b NaN  
## pl\_nameHD 187123 b NaN  
## pl\_nameHD 187123 c NaN  
## pl\_nameHD 18742 b NaN  
## pl\_nameHD 188015 b NaN  
## pl\_nameHD 188641 b NaN  
## pl\_nameHD 189567 b NaN  
## pl\_nameHD 189567 c NaN  
## pl\_nameHD 189733 b NaN  
## pl\_nameHD 190007 b NaN  
## pl\_nameHD 190228 b NaN  
## pl\_nameHD 190360 b NaN  
## pl\_nameHD 190360 c NaN  
## pl\_nameHD 190647 b NaN  
## pl\_nameHD 190984 b NaN  
## pl\_nameHD 191806 b NaN  
## pl\_nameHD 191939 b NaN  
## pl\_nameHD 191939 c NaN  
## pl\_nameHD 191939 d NaN  
## pl\_nameHD 191939 e NaN  
## pl\_nameHD 191939 f NaN  
## pl\_nameHD 191939 g NaN  
## pl\_nameHD 192263 b NaN  
## pl\_nameHD 192310 b NaN  
## pl\_nameHD 192310 c NaN  
## pl\_nameHD 192699 b NaN  
## pl\_nameHD 194490 b NaN  
## pl\_nameHD 195019 b NaN  
## pl\_nameHD 196050 b NaN  
## pl\_nameHD 196067 b NaN  
## pl\_nameHD 19615 b NaN  
## pl\_nameHD 196885 A b NaN  
## pl\_nameHD 197037 b NaN  
## pl\_nameHD 199509 b NaN  
## pl\_nameHD 19994 b NaN  
## pl\_nameHD 20003 b NaN  
## pl\_nameHD 20003 c NaN  
## pl\_nameHD 200964 b NaN  
## pl\_nameHD 200964 c NaN  
## pl\_nameHD 202206 c NaN  
## pl\_nameHD 202772 A b NaN  
## pl\_nameHD 20329 b NaN  
## pl\_nameHD 2039 b NaN  
## pl\_nameHD 204313 b NaN  
## pl\_nameHD 204313 c NaN  
## pl\_nameHD 204313 e NaN  
## pl\_nameHD 204941 b NaN  
## pl\_nameHD 205158 b NaN  
## pl\_nameHD 205739 b NaN  
## pl\_nameHD 206255 b NaN  
## pl\_nameHD 206610 b NaN  
## pl\_nameHD 206893 b NaN  
## pl\_nameHD 206893 c NaN  
## pl\_nameHD 207496 b NaN  
## pl\_nameHD 20781 b NaN  
## pl\_nameHD 20781 c NaN  
## pl\_nameHD 20781 d NaN  
## pl\_nameHD 20781 e NaN  
## pl\_nameHD 20782 b NaN  
## pl\_nameHD 207832 b NaN  
## pl\_nameHD 207832 c NaN  
## pl\_nameHD 207897 b NaN  
## pl\_nameHD 20794 b NaN  
## pl\_nameHD 20794 c NaN  
## pl\_nameHD 20794 d NaN  
## pl\_nameHD 20794 e NaN  
## pl\_nameHD 208487 b NaN  
## pl\_nameHD 208527 b NaN  
## pl\_nameHD 20868 b NaN  
## pl\_nameHD 208897 b NaN  
## pl\_nameHD 209458 b NaN  
## pl\_nameHD 210193 b NaN  
## pl\_nameHD 210277 b NaN  
## pl\_nameHD 210702 b NaN  
## pl\_nameHD 211403 b NaN  
## pl\_nameHD 211810 b NaN  
## pl\_nameHD 211970 b NaN  
## pl\_nameHD 212301 b NaN  
## pl\_nameHD 212771 b NaN  
## pl\_nameHD 213240 b NaN  
## pl\_nameHD 213472 b NaN  
## pl\_nameHD 213519 b NaN  
## pl\_nameHD 213885 b NaN  
## pl\_nameHD 213885 c NaN  
## pl\_nameHD 21411 b NaN  
## pl\_nameHD 214823 b NaN  
## pl\_nameHD 215152 b NaN  
## pl\_nameHD 215152 c NaN  
## pl\_nameHD 215152 d NaN  
## pl\_nameHD 215152 e NaN  
## pl\_nameHD 215497 b NaN  
## pl\_nameHD 215497 c NaN  
## pl\_nameHD 216435 b NaN  
## pl\_nameHD 216437 b NaN  
## pl\_nameHD 216520 b NaN  
## pl\_nameHD 216520 c NaN  
## pl\_nameHD 216536 b NaN  
## pl\_nameHD 216770 b NaN  
## pl\_nameHD 21693 b NaN  
## pl\_nameHD 21693 c NaN  
## pl\_nameHD 217107 b NaN  
## pl\_nameHD 217107 c NaN  
## pl\_nameHD 217786 b NaN  
## pl\_nameHD 217786 c NaN  
## pl\_nameHD 217958 b NaN  
## pl\_nameHD 218566 b NaN  
## pl\_nameHD 219077 b NaN  
## pl\_nameHD 219134 b NaN  
## pl\_nameHD 219134 c NaN  
## pl\_nameHD 219134 g NaN  
## pl\_nameHD 219134 h NaN  
## pl\_nameHD 219139 b NaN  
## pl\_nameHD 219415 b NaN  
## pl\_nameHD 219666 b NaN  
## pl\_nameHD 219828 b NaN  
## pl\_nameHD 219828 c NaN  
## pl\_nameHD 220074 b NaN  
## pl\_nameHD 220197 b NaN  
## pl\_nameHD 220689 b NaN  
## pl\_nameHD 220773 b NaN  
## pl\_nameHD 220842 b NaN  
## pl\_nameHD 221287 b NaN  
## pl\_nameHD 221416 b NaN  
## pl\_nameHD 221420 b NaN  
## pl\_nameHD 221585 b NaN  
## pl\_nameHD 222076 b NaN  
## pl\_nameHD 222155 b NaN  
## pl\_nameHD 222582 b NaN  
## pl\_nameHD 224538 b NaN  
## pl\_nameHD 224693 b NaN  
## pl\_nameHD 22532 b NaN  
## pl\_nameHD 22781 b NaN  
## pl\_nameHD 23079 b NaN  
## pl\_nameHD 23127 b NaN  
## pl\_nameHD 231701 b NaN  
## pl\_nameHD 233604 b NaN  
## pl\_nameHD 233832 b NaN  
## pl\_nameHD 23472 b NaN  
## pl\_nameHD 23472 c NaN  
## pl\_nameHD 23472 d NaN  
## pl\_nameHD 23472 e NaN  
## pl\_nameHD 23472 f NaN  
## pl\_nameHD 23596 b NaN  
## pl\_nameHD 238090 b NaN  
## pl\_nameHD 238914 b NaN  
## pl\_nameHD 240210 b NaN  
## pl\_nameHD 240237 b NaN  
## pl\_nameHD 24040 b NaN  
## pl\_nameHD 24040 c NaN  
## pl\_nameHD 24064 b NaN  
## pl\_nameHD 24085 b NaN  
## pl\_nameHD 25015 b NaN  
## pl\_nameHD 25171 b NaN  
## pl\_nameHD 25723 b NaN  
## pl\_nameHD 25912 b NaN  
## pl\_nameHD 25912 c NaN  
## pl\_nameHD 260655 b NaN  
## pl\_nameHD 260655 c NaN  
## pl\_nameHD 26161 b NaN  
## pl\_nameHD 2638 b NaN  
## pl\_nameHD 2685 b NaN  
## pl\_nameHD 27442 b NaN  
## pl\_nameHD 27631 b NaN  
## pl\_nameHD 27894 b NaN  
## pl\_nameHD 27894 c NaN  
## pl\_nameHD 27894 d NaN  
## pl\_nameHD 27969 b NaN  
## pl\_nameHD 28109 b NaN  
## pl\_nameHD 28109 c NaN  
## pl\_nameHD 28109 d NaN  
## pl\_nameHD 28185 b NaN  
## pl\_nameHD 28185 c NaN  
## pl\_nameHD 28192 b NaN  
## pl\_nameHD 28254 b NaN  
## pl\_nameHD 285507 b NaN  
## pl\_nameHD 285968 b NaN  
## pl\_nameHD 28678 b NaN  
## pl\_nameHD 29021 b NaN  
## pl\_nameHD 290327 b NaN  
## pl\_nameHD 29399 b NaN  
## pl\_nameHD 2952 b NaN  
## pl\_nameHD 29985 b NaN  
## pl\_nameHD 30177 b NaN  
## pl\_nameHD 30177 c NaN  
## pl\_nameHD 30562 b NaN  
## pl\_nameHD 30669 b NaN  
## pl\_nameHD 30856 b NaN  
## pl\_nameHD 31253 b NaN  
## pl\_nameHD 31527 b NaN  
## pl\_nameHD 31527 c NaN  
## pl\_nameHD 31527 d NaN  
## pl\_nameHD 3167 b NaN  
## pl\_nameHD 3167 c NaN  
## pl\_nameHD 3167 d NaN  
## pl\_nameHD 3167 e NaN  
## pl\_nameHD 32518 b NaN  
## pl\_nameHD 32963 b NaN  
## pl\_nameHD 330075 b NaN  
## pl\_nameHD 331093 b NaN  
## pl\_nameHD 33142 b NaN  
## pl\_nameHD 33142 c NaN  
## pl\_nameHD 33142 d NaN  
## pl\_nameHD 332231 b NaN  
## pl\_nameHD 33283 b NaN  
## pl\_nameHD 33564 b NaN  
## pl\_nameHD 33844 b NaN  
## pl\_nameHD 33844 c NaN  
## pl\_nameHD 34445 b NaN  
## pl\_nameHD 34445 c NaN  
## pl\_nameHD 34445 d NaN  
## pl\_nameHD 34445 e NaN  
## pl\_nameHD 34445 f NaN  
## pl\_nameHD 34445 g NaN  
## pl\_nameHD 35759 b NaN  
## pl\_nameHD 360 b NaN  
## pl\_nameHD 36384 b NaN  
## pl\_nameHD 3651 b NaN  
## pl\_nameHD 37124 b NaN  
## pl\_nameHD 37124 c NaN  
## pl\_nameHD 37124 d NaN  
## pl\_nameHD 37605 b NaN  
## pl\_nameHD 37605 c NaN  
## pl\_nameHD 3765 b NaN  
## pl\_nameHD 38283 b NaN  
## pl\_nameHD 38529 b NaN  
## pl\_nameHD 38529 c NaN  
## pl\_nameHD 38801 b NaN  
## pl\_nameHD 39091 b NaN  
## pl\_nameHD 39194 b NaN  
## pl\_nameHD 39194 c NaN  
## pl\_nameHD 39194 d NaN  
## pl\_nameHD 39855 b NaN  
## pl\_nameHD 40307 b NaN  
## pl\_nameHD 40307 c NaN  
## pl\_nameHD 40307 d NaN  
## pl\_nameHD 40307 f NaN  
## pl\_nameHD 40307 g NaN  
## pl\_nameHD 40956 b NaN  
## pl\_nameHD 40979 b NaN  
## pl\_nameHD 4113 b NaN  
## pl\_nameHD 42012 b NaN  
## pl\_nameHD 4203 b NaN  
## pl\_nameHD 4203 c NaN  
## pl\_nameHD 4208 b NaN  
## pl\_nameHD 42618 b NaN  
## pl\_nameHD 4308 b NaN  
## pl\_nameHD 4313 b NaN  
## pl\_nameHD 43197 b NaN  
## pl\_nameHD 43197 c NaN  
## pl\_nameHD 43691 b NaN  
## pl\_nameHD 44219 b NaN  
## pl\_nameHD 45184 b NaN  
## pl\_nameHD 45184 c NaN  
## pl\_nameHD 45350 b NaN  
## pl\_nameHD 45364 b NaN  
## pl\_nameHD 45364 c NaN  
## pl\_nameHD 45652 b NaN  
## pl\_nameHD 457 b NaN  
## pl\_nameHD 46375 b NaN  
## pl\_nameHD 47186 b NaN  
## pl\_nameHD 47186 c NaN  
## pl\_nameHD 4732 b NaN  
## pl\_nameHD 4732 c NaN  
## pl\_nameHD 47366 b NaN  
## pl\_nameHD 47366 c NaN  
## pl\_nameHD 47536 b NaN  
## pl\_nameHD 4760 b NaN  
## pl\_nameHD 48265 b NaN  
## pl\_nameHD 4917 b NaN  
## pl\_nameHD 49674 b NaN  
## pl\_nameHD 50499 b NaN  
## pl\_nameHD 50499 c NaN  
## pl\_nameHD 50554 b NaN  
## pl\_nameHD 51608 b NaN  
## pl\_nameHD 51608 c NaN  
## pl\_nameHD 52265 b NaN  
## pl\_nameHD 5278 b NaN  
## pl\_nameHD 5278 c NaN  
## pl\_nameHD 5319 b NaN  
## pl\_nameHD 5319 c NaN  
## pl\_nameHD 55696 b NaN  
## pl\_nameHD 5583 b NaN  
## pl\_nameHD 5608 b NaN  
## pl\_nameHD 564 b NaN  
## pl\_nameHD 56414 b NaN  
## pl\_nameHD 56957 b NaN  
## pl\_nameHD 5891 b NaN  
## pl\_nameHD 59686 A b NaN  
## pl\_nameHD 60292 b NaN  
## pl\_nameHD 60532 b NaN  
## pl\_nameHD 60532 c NaN  
## pl\_nameHD 62364 b NaN  
## pl\_nameHD 62364 c NaN  
## pl\_nameHD 62549 b NaN  
## pl\_nameHD 63433 b NaN  
## pl\_nameHD 63433 c NaN  
## pl\_nameHD 63454 b NaN  
## pl\_nameHD 63765 b NaN  
## pl\_nameHD 64114 b NaN  
## pl\_nameHD 64121 b NaN  
## pl\_nameHD 6434 b NaN  
## pl\_nameHD 65216 b NaN  
## pl\_nameHD 65216 c NaN  
## pl\_nameHD 66141 b NaN  
## pl\_nameHD 66428 b NaN  
## pl\_nameHD 66428 c NaN  
## pl\_nameHD 67087 b NaN  
## pl\_nameHD 67087 c NaN  
## pl\_nameHD 6718 b NaN  
## pl\_nameHD 68402 b NaN  
## pl\_nameHD 68988 b NaN  
## pl\_nameHD 68988 c NaN  
## pl\_nameHD 69123 b NaN  
## pl\_nameHD 69830 b NaN  
## pl\_nameHD 69830 c NaN  
## pl\_nameHD 69830 d NaN  
## pl\_nameHD 70573 b NaN  
## pl\_nameHD 70642 b NaN  
## pl\_nameHD 7199 b NaN  
## pl\_nameHD 72490 b NaN  
## pl\_nameHD 72659 b NaN  
## pl\_nameHD 72659 c NaN  
## pl\_nameHD 72892 b NaN  
## pl\_nameHD 73256 c NaN  
## pl\_nameHD 73267 b NaN  
## pl\_nameHD 73267 c NaN  
## pl\_nameHD 73526 b NaN  
## pl\_nameHD 73526 c NaN  
## pl\_nameHD 73534 b NaN  
## pl\_nameHD 73583 b NaN  
## pl\_nameHD 73583 c NaN  
## pl\_nameHD 74156 b NaN  
## pl\_nameHD 74156 c NaN  
## pl\_nameHD 7449 b NaN  
## pl\_nameHD 74698 b NaN  
## pl\_nameHD 74698 c NaN  
## pl\_nameHD 75289 b NaN  
## pl\_nameHD 75302 b NaN  
## pl\_nameHD 75784 b NaN  
## pl\_nameHD 75784 c NaN  
## pl\_nameHD 75898 b NaN  
## pl\_nameHD 76700 b NaN  
## pl\_nameHD 76920 b NaN  
## pl\_nameHD 77338 b NaN  
## pl\_nameHD 79181 b NaN  
## pl\_nameHD 7924 b NaN  
## pl\_nameHD 7924 c NaN  
## pl\_nameHD 7924 d NaN  
## pl\_nameHD 79498 b NaN  
## pl\_nameHD 80606 b NaN  
## pl\_nameHD 80653 b NaN  
## pl\_nameHD 80869 b NaN  
## pl\_nameHD 80883 b NaN  
## pl\_nameHD 80913 b NaN  
## pl\_nameHD 81040 b NaN  
## pl\_nameHD 81688 b NaN  
## pl\_nameHD 81817 b NaN  
## pl\_nameHD 81817 c NaN  
## pl\_nameHD 82886 b NaN  
## pl\_nameHD 82943 b NaN  
## pl\_nameHD 82943 c NaN  
## pl\_nameHD 8326 b NaN  
## pl\_nameHD 83443 b NaN  
## pl\_nameHD 83443 c NaN  
## pl\_nameHD 8535 b NaN  
## pl\_nameHD 85390 b NaN  
## pl\_nameHD 85512 b NaN  
## pl\_nameHD 8574 b NaN  
## pl\_nameHD 86065 b NaN  
## pl\_nameHD 86081 b NaN  
## pl\_nameHD 86226 b NaN  
## pl\_nameHD 86226 c NaN  
## pl\_nameHD 86264 b NaN  
## pl\_nameHD 8673 b NaN  
## pl\_nameHD 86950 b NaN  
## pl\_nameHD 87646 b NaN  
## pl\_nameHD 87883 b NaN  
## pl\_nameHD 88072 b NaN  
## pl\_nameHD 88133 b NaN  
## pl\_nameHD 89307 b NaN  
## pl\_nameHD 89345 b NaN  
## pl\_nameHD 89744 b NaN  
## pl\_nameHD 89839 b NaN  
## pl\_nameHD 90156 b NaN  
## pl\_nameHD 9174 b NaN  
## pl\_nameHD 92788 b NaN  
## pl\_nameHD 92788 c NaN  
## pl\_nameHD 93083 b NaN  
## pl\_nameHD 93351 b NaN  
## pl\_nameHD 93351 c NaN  
## pl\_nameHD 93385 b NaN  
## pl\_nameHD 93385 c NaN  
## pl\_nameHD 93385 d NaN  
## pl\_nameHD 9446 b NaN  
## pl\_nameHD 9446 c NaN  
## pl\_nameHD 94771 b NaN  
## pl\_nameHD 94834 b NaN  
## pl\_nameHD 95089 b NaN  
## pl\_nameHD 95089 c NaN  
## pl\_nameHD 95127 b NaN  
## pl\_nameHD 95338 b NaN  
## pl\_nameHD 95544 b NaN  
## pl\_nameHD 95872 b NaN  
## pl\_nameHD 96063 b NaN  
## pl\_nameHD 96127 b NaN  
## pl\_nameHD 96167 b NaN  
## pl\_nameHD 96700 b NaN  
## pl\_nameHD 96700 c NaN  
## pl\_nameHD 96700 d NaN  
## pl\_nameHD 96992 b NaN  
## pl\_nameHD 97037 b NaN  
## pl\_nameHD 97658 b NaN  
## pl\_nameHD 98219 b NaN  
## pl\_nameHD 98649 b NaN  
## pl\_nameHD 98736 b NaN  
## pl\_nameHD 99109 b NaN  
## pl\_nameHD 99283 b NaN  
## pl\_nameHD 99492 b NaN  
## pl\_nameHD 99706 b NaN  
## pl\_nameHIP 105854 b NaN  
## pl\_nameHIP 107772 b NaN  
## pl\_nameHIP 107773 b NaN  
## pl\_nameHIP 109384 b NaN  
## pl\_nameHIP 109600 b NaN  
## pl\_nameHIP 114933 b NaN  
## pl\_nameHIP 116454 b NaN  
## pl\_nameHIP 12961 b NaN  
## pl\_nameHIP 14810 b NaN  
## pl\_nameHIP 14810 c NaN  
## pl\_nameHIP 14810 d NaN  
## pl\_nameHIP 19976 b NaN  
## pl\_nameHIP 21152 b NaN  
## pl\_nameHIP 34222 b NaN  
## pl\_nameHIP 35173 b NaN  
## pl\_nameHIP 35965 b NaN  
## pl\_nameHIP 38594 b NaN  
## pl\_nameHIP 38594 c NaN  
## pl\_nameHIP 4845 b NaN  
## pl\_nameHIP 48714 b NaN  
## pl\_nameHIP 5158 b NaN  
## pl\_nameHIP 5158 c NaN  
## pl\_nameHIP 54373 b NaN  
## pl\_nameHIP 54373 c NaN  
## pl\_nameHIP 54597 b NaN  
## pl\_nameHIP 55507 b NaN  
## pl\_nameHIP 56640 b NaN  
## pl\_nameHIP 57274 b NaN  
## pl\_nameHIP 57274 c NaN  
## pl\_nameHIP 57274 d NaN  
## pl\_nameHIP 5763 b NaN  
## pl\_nameHIP 63242 b NaN  
## pl\_nameHIP 65 A b NaN  
## pl\_nameHIP 65407 b NaN  
## pl\_nameHIP 65407 c NaN  
## pl\_nameHIP 65891 b NaN  
## pl\_nameHIP 67537 b NaN  
## pl\_nameHIP 67851 b NaN  
## pl\_nameHIP 67851 c NaN  
## pl\_nameHIP 70849 b NaN  
## pl\_nameHIP 71135 b NaN  
## pl\_nameHIP 74890 b NaN  
## pl\_nameHIP 75056 A b NaN  
## pl\_nameHIP 75092 b NaN  
## pl\_nameHIP 79431 b NaN  
## pl\_nameHIP 8541 b NaN  
## pl\_nameHIP 90988 b NaN  
## pl\_nameHIP 91258 b NaN  
## pl\_nameHIP 948 b NaN  
## pl\_nameHIP 9618 b NaN  
## pl\_nameHIP 97166 b NaN  
## pl\_nameHIP 97166 c NaN  
## pl\_nameHIP 97233 b NaN  
## pl\_nameHIP 99770 b NaN  
## pl\_nameHN Lib b NaN  
## pl\_nameHR 5183 b NaN  
## pl\_nameHR 810 b NaN  
## pl\_nameHR 858 b NaN  
## pl\_nameHR 858 c NaN  
## pl\_nameHR 858 d NaN  
## pl\_nameHR 8799 c NaN  
## pl\_nameHR 8799 d NaN  
## pl\_nameHR 8799 e NaN  
## pl\_nameIC 4651 9122 b NaN  
## pl\_nameiot Dra b NaN  
## pl\_nameiot Dra c NaN  
## pl\_nameK2-10 b NaN  
## pl\_nameK2-100 b NaN  
## pl\_nameK2-101 b NaN  
## pl\_nameK2-104 b NaN  
## pl\_nameK2-107 b NaN  
## pl\_nameK2-108 b NaN  
## pl\_nameK2-110 b NaN  
## pl\_nameK2-111 b NaN  
## pl\_nameK2-111 c NaN  
## pl\_nameK2-113 b NaN  
## pl\_nameK2-114 b NaN  
## pl\_nameK2-115 b NaN  
## pl\_nameK2-116 b NaN  
## pl\_nameK2-117 b NaN  
## pl\_nameK2-117 c NaN  
## pl\_nameK2-118 b NaN  
## pl\_nameK2-119 b NaN  
## pl\_nameK2-12 b NaN  
## pl\_nameK2-121 b NaN  
## pl\_nameK2-122 b NaN  
## pl\_nameK2-123 b NaN  
## pl\_nameK2-124 b NaN  
## pl\_nameK2-125 b NaN  
## pl\_nameK2-126 b NaN  
## pl\_nameK2-127 b NaN  
## pl\_nameK2-128 b NaN  
## pl\_nameK2-129 b NaN  
## pl\_nameK2-130 b NaN  
## pl\_nameK2-131 b NaN  
## pl\_nameK2-132 b NaN  
## pl\_nameK2-136 b NaN  
## pl\_nameK2-136 c NaN  
## pl\_nameK2-136 d NaN  
## pl\_nameK2-138 b NaN  
## pl\_nameK2-138 c NaN  
## pl\_nameK2-138 d NaN  
## pl\_nameK2-138 e NaN  
## pl\_nameK2-138 f NaN  
## pl\_nameK2-138 g NaN  
## pl\_nameK2-139 b NaN  
## pl\_nameK2-14 b NaN  
## pl\_nameK2-140 b NaN  
## pl\_nameK2-141 b NaN  
## pl\_nameK2-141 c NaN  
## pl\_nameK2-146 b NaN  
## pl\_nameK2-146 c NaN  
## pl\_nameK2-167 b NaN  
## pl\_nameK2-17 b NaN  
## pl\_nameK2-18 b NaN  
## pl\_nameK2-18 c NaN  
## pl\_nameK2-180 b NaN  
## pl\_nameK2-182 b NaN  
## pl\_nameK2-19 b NaN  
## pl\_nameK2-19 c NaN  
## pl\_nameK2-19 d NaN  
## pl\_nameK2-199 b NaN  
## pl\_nameK2-199 c NaN  
## pl\_nameK2-21 b NaN  
## pl\_nameK2-21 c NaN  
## pl\_nameK2-216 b NaN  
## pl\_nameK2-222 b NaN  
## pl\_nameK2-229 b NaN  
## pl\_nameK2-229 c NaN  
## pl\_nameK2-232 b NaN  
## pl\_nameK2-233 b NaN  
## pl\_nameK2-233 c NaN  
## pl\_nameK2-233 d NaN  
## pl\_nameK2-237 b NaN  
## pl\_nameK2-238 b NaN  
## pl\_nameK2-24 b NaN  
## pl\_nameK2-24 c NaN  
## pl\_nameK2-25 b NaN  
## pl\_nameK2-260 b NaN  
## pl\_nameK2-261 b NaN  
## pl\_nameK2-263 b NaN  
## pl\_nameK2-264 b NaN  
## pl\_nameK2-264 c NaN  
## pl\_nameK2-265 b NaN  
## pl\_nameK2-266 c NaN  
## pl\_nameK2-266 d NaN  
## pl\_nameK2-266 e NaN  
## pl\_nameK2-27 b NaN  
## pl\_nameK2-28 b NaN  
## pl\_nameK2-280 b NaN  
## pl\_nameK2-284 b NaN  
## pl\_nameK2-285 b NaN  
## pl\_nameK2-285 c NaN  
## pl\_nameK2-287 b NaN  
## pl\_nameK2-29 b NaN  
## pl\_nameK2-290 b NaN  
## pl\_nameK2-290 c NaN  
## pl\_nameK2-291 b NaN  
## pl\_nameK2-292 b NaN  
## pl\_nameK2-295 b NaN  
## pl\_nameK2-3 b NaN  
## pl\_nameK2-3 c NaN  
## pl\_nameK2-3 d NaN  
## pl\_nameK2-30 b NaN  
## pl\_nameK2-31 b NaN  
## pl\_nameK2-312 c NaN  
## pl\_nameK2-32 b NaN  
## pl\_nameK2-32 c NaN  
## pl\_nameK2-32 d NaN  
## pl\_nameK2-32 e NaN  
## pl\_nameK2-329 b NaN  
## pl\_nameK2-34 b NaN  
## pl\_nameK2-35 b NaN  
## pl\_nameK2-35 c NaN  
## pl\_nameK2-36 b NaN  
## pl\_nameK2-36 c NaN  
## pl\_nameK2-38 b NaN  
## pl\_nameK2-38 c NaN  
## pl\_nameK2-39 b NaN  
## pl\_nameK2-4 b NaN  
## pl\_nameK2-43 b NaN  
## pl\_nameK2-45 b NaN  
## pl\_nameK2-55 b NaN  
## pl\_nameK2-60 b NaN  
## pl\_nameK2-66 b NaN  
## pl\_nameK2-72 b NaN  
## pl\_nameK2-72 c NaN  
## pl\_nameK2-72 d NaN  
## pl\_nameK2-72 e NaN  
## pl\_nameK2-79 b NaN  
## pl\_nameK2-81 b NaN  
## pl\_nameK2-83 b NaN  
## pl\_nameK2-83 c NaN  
## pl\_nameK2-85 b NaN  
## pl\_nameK2-88 b NaN  
## pl\_nameK2-89 b NaN  
## pl\_nameK2-90 b NaN  
## pl\_nameK2-90 c NaN  
## pl\_nameK2-91 b NaN  
## pl\_nameK2-95 b NaN  
## pl\_nameK2-97 b NaN  
## pl\_nameK2-98 b NaN  
## pl\_nameK2-99 b NaN  
## pl\_namekap CrB b NaN  
## pl\_nameKapteyn c NaN  
## pl\_nameKELT-1 b NaN  
## pl\_nameKELT-11 b NaN  
## pl\_nameKELT-12 b NaN  
## pl\_nameKELT-14 b NaN  
## pl\_nameKELT-15 b NaN  
## pl\_nameKELT-16 b NaN  
## pl\_nameKELT-18 b NaN  
## pl\_nameKELT-2 A b NaN  
## pl\_nameKELT-20 b NaN  
## pl\_nameKELT-21 b NaN  
## pl\_nameKELT-23 A b NaN  
## pl\_nameKELT-24 b NaN  
## pl\_nameKELT-3 b NaN  
## pl\_nameKELT-4 A b NaN  
## pl\_nameKELT-6 b NaN  
## pl\_nameKELT-6 c NaN  
## pl\_nameKELT-7 b NaN  
## pl\_nameKELT-8 b NaN  
## pl\_nameKELT-9 b NaN  
## pl\_nameKepler-10 b NaN  
## pl\_nameKepler-10 c NaN  
## pl\_nameKepler-10 d NaN  
## pl\_nameKepler-100 b NaN  
## pl\_nameKepler-1000 b NaN  
## pl\_nameKepler-1001 b NaN  
## pl\_nameKepler-1001 c NaN  
## pl\_nameKepler-1002 b NaN  
## pl\_nameKepler-1003 b NaN  
## pl\_nameKepler-1004 b NaN  
## pl\_nameKepler-1005 b NaN  
## pl\_nameKepler-1007 b NaN  
## pl\_nameKepler-1008 b NaN  
## pl\_nameKepler-1009 b NaN  
## pl\_nameKepler-101 b NaN  
## pl\_nameKepler-101 c NaN  
## pl\_nameKepler-1010 b NaN  
## pl\_nameKepler-1011 b NaN  
## pl\_nameKepler-1012 b NaN  
## pl\_nameKepler-1013 b NaN  
## pl\_nameKepler-1014 b NaN  
## pl\_nameKepler-1015 b NaN  
## pl\_nameKepler-1016 b NaN  
## pl\_nameKepler-1016 c NaN  
## pl\_nameKepler-1017 b NaN  
## pl\_nameKepler-1018 b NaN  
## pl\_nameKepler-1019 b NaN  
## pl\_nameKepler-102 b NaN  
## pl\_nameKepler-102 c NaN  
## pl\_nameKepler-102 d NaN  
## pl\_nameKepler-102 e NaN  
## pl\_nameKepler-102 f NaN  
## pl\_nameKepler-1020 b NaN  
## pl\_nameKepler-1021 b NaN  
## pl\_nameKepler-1022 b NaN  
## pl\_nameKepler-1023 b NaN  
## pl\_nameKepler-1024 b NaN  
## pl\_nameKepler-1025 b NaN  
## pl\_nameKepler-1026 b NaN  
## pl\_nameKepler-1027 b NaN  
## pl\_nameKepler-1028 b NaN  
## pl\_nameKepler-1029 b NaN  
## pl\_nameKepler-103 b NaN  
## pl\_nameKepler-103 c NaN  
## pl\_nameKepler-1030 b NaN  
## pl\_nameKepler-1032 b NaN  
## pl\_nameKepler-1033 b NaN  
## pl\_nameKepler-1034 b NaN  
## pl\_nameKepler-1035 b NaN  
## pl\_nameKepler-1036 b NaN  
## pl\_nameKepler-1037 b NaN  
## pl\_nameKepler-1038 b NaN  
## pl\_nameKepler-1038 c NaN  
## pl\_nameKepler-1039 b NaN  
## pl\_nameKepler-104 b NaN  
## pl\_nameKepler-104 c NaN  
## pl\_nameKepler-104 d NaN  
## pl\_nameKepler-1040 b NaN  
## pl\_nameKepler-1041 b NaN  
## pl\_nameKepler-1042 b NaN  
## pl\_nameKepler-1043 b NaN  
## pl\_nameKepler-1044 b NaN  
## pl\_nameKepler-1045 b NaN  
## pl\_nameKepler-1046 b NaN  
## pl\_nameKepler-1047 b NaN  
## pl\_nameKepler-1047 c NaN  
## pl\_nameKepler-1048 b NaN  
## pl\_nameKepler-1049 b NaN  
## pl\_nameKepler-105 b NaN  
## pl\_nameKepler-105 c NaN  
## pl\_nameKepler-1050 b NaN  
## pl\_nameKepler-1050 c NaN  
## pl\_nameKepler-1051 b NaN  
## pl\_nameKepler-1052 b NaN  
## pl\_nameKepler-1052 c NaN  
## pl\_nameKepler-1053 b NaN  
## pl\_nameKepler-1054 b NaN  
## pl\_nameKepler-1055 b NaN  
## pl\_nameKepler-1056 b NaN  
## pl\_nameKepler-1057 b NaN  
## pl\_nameKepler-1058 b NaN  
## pl\_nameKepler-1059 b NaN  
## pl\_nameKepler-106 c NaN  
## pl\_nameKepler-106 e NaN  
## pl\_nameKepler-1060 b NaN  
## pl\_nameKepler-1061 b NaN  
## pl\_nameKepler-1062 b NaN  
## pl\_nameKepler-1064 b NaN  
## pl\_nameKepler-1065 b NaN  
## pl\_nameKepler-1065 c NaN  
## pl\_nameKepler-1066 b NaN  
## pl\_nameKepler-1067 b NaN  
## pl\_nameKepler-1067 c NaN  
## pl\_nameKepler-1068 b NaN  
## pl\_nameKepler-1069 b NaN  
## pl\_nameKepler-107 b NaN  
## pl\_nameKepler-107 c NaN  
## pl\_nameKepler-107 d NaN  
## pl\_nameKepler-107 e NaN  
## pl\_nameKepler-1070 b NaN  
## pl\_nameKepler-1071 b NaN  
## pl\_nameKepler-1072 b NaN  
## pl\_nameKepler-1073 b NaN  
## pl\_nameKepler-1073 c NaN  
## pl\_nameKepler-1073 d NaN  
## pl\_nameKepler-1074 b NaN  
## pl\_nameKepler-1075 b NaN  
## pl\_nameKepler-1076 b NaN  
## pl\_nameKepler-1077 b NaN  
## pl\_nameKepler-1078 b NaN  
## pl\_nameKepler-108 b NaN  
## pl\_nameKepler-108 c NaN  
## pl\_nameKepler-1080 b NaN  
## pl\_nameKepler-1081 b NaN  
## pl\_nameKepler-1082 b NaN  
## pl\_nameKepler-1083 b NaN  
## pl\_nameKepler-1084 b NaN  
## pl\_nameKepler-1085 b NaN  
## pl\_nameKepler-1085 c NaN  
## pl\_nameKepler-1086 b NaN  
## pl\_nameKepler-1086 c NaN  
## pl\_nameKepler-1087 b NaN  
## pl\_nameKepler-1088 b NaN  
## pl\_nameKepler-1089 b NaN  
## pl\_nameKepler-109 b NaN  
## pl\_nameKepler-109 c NaN  
## pl\_nameKepler-1090 b NaN  
## pl\_nameKepler-1090 c NaN  
## pl\_nameKepler-1091 b NaN  
## pl\_nameKepler-1092 b NaN  
## pl\_nameKepler-1093 b NaN  
## pl\_nameKepler-1093 c NaN  
## pl\_nameKepler-1094 b NaN  
## pl\_nameKepler-1095 b NaN  
## pl\_nameKepler-1096 b NaN  
## pl\_nameKepler-1097 b NaN  
## pl\_nameKepler-1098 b NaN  
## pl\_nameKepler-1099 b NaN  
## pl\_nameKepler-11 b NaN  
## pl\_nameKepler-11 c NaN  
## pl\_nameKepler-11 d NaN  
## pl\_nameKepler-11 e NaN  
## pl\_nameKepler-11 f NaN  
## pl\_nameKepler-11 g NaN  
## pl\_nameKepler-110 b NaN  
## pl\_nameKepler-110 c NaN  
## pl\_nameKepler-1100 b NaN  
## pl\_nameKepler-1101 b NaN  
## pl\_nameKepler-1102 b NaN  
## pl\_nameKepler-1103 b NaN  
## pl\_nameKepler-1104 b NaN  
## pl\_nameKepler-1105 b NaN  
## pl\_nameKepler-1106 b NaN  
## pl\_nameKepler-1107 b NaN  
## pl\_nameKepler-1108 b NaN  
## pl\_nameKepler-1109 b NaN  
## pl\_nameKepler-111 b NaN  
## pl\_nameKepler-111 c NaN  
## pl\_nameKepler-1110 b NaN  
## pl\_nameKepler-1111 b NaN  
## pl\_nameKepler-1112 b NaN  
## pl\_nameKepler-1113 b NaN  
## pl\_nameKepler-1114 b NaN  
## pl\_nameKepler-1115 b NaN  
## pl\_nameKepler-1116 b NaN  
## pl\_nameKepler-1117 b NaN  
## pl\_nameKepler-1118 b NaN  
## pl\_nameKepler-1119 b NaN  
## pl\_nameKepler-112 b NaN  
## pl\_nameKepler-112 c NaN  
## pl\_nameKepler-1120 b NaN  
## pl\_nameKepler-1121 b NaN  
## pl\_nameKepler-1122 b NaN  
## pl\_nameKepler-1123 b NaN  
## pl\_nameKepler-1124 b NaN  
## pl\_nameKepler-1125 b NaN  
## pl\_nameKepler-1126 b NaN  
## pl\_nameKepler-1126 c NaN  
## pl\_nameKepler-1127 b NaN  
## pl\_nameKepler-1128 b NaN  
## pl\_nameKepler-1129 b NaN  
## pl\_nameKepler-1129 c NaN  
## pl\_nameKepler-113 b NaN  
## pl\_nameKepler-1130 b NaN  
## pl\_nameKepler-1130 c NaN  
## pl\_nameKepler-1130 d NaN  
## pl\_nameKepler-1131 b NaN  
## pl\_nameKepler-1132 b NaN  
## pl\_nameKepler-1133 b NaN  
## pl\_nameKepler-1134 b NaN  
## pl\_nameKepler-1135 b NaN  
## pl\_nameKepler-1136 b NaN  
## pl\_nameKepler-1137 b NaN  
## pl\_nameKepler-1138 b NaN  
## pl\_nameKepler-1139 b NaN  
## pl\_nameKepler-114 b NaN  
## pl\_nameKepler-114 c NaN  
## pl\_nameKepler-114 d NaN  
## pl\_nameKepler-1140 b NaN  
## pl\_nameKepler-1141 b NaN  
## pl\_nameKepler-1142 b NaN  
## pl\_nameKepler-1143 b NaN  
## pl\_nameKepler-1143 c NaN  
## pl\_nameKepler-1144 b NaN  
## pl\_nameKepler-1145 b NaN  
## pl\_nameKepler-1146 b NaN  
## pl\_nameKepler-1147 b NaN  
## pl\_nameKepler-1148 b NaN  
## pl\_nameKepler-1149 b NaN  
## pl\_nameKepler-115 b NaN  
## pl\_nameKepler-115 c NaN  
## pl\_nameKepler-1150 b NaN  
## pl\_nameKepler-1151 b NaN  
## pl\_nameKepler-1152 b NaN  
## pl\_nameKepler-1153 b NaN  
## pl\_nameKepler-1154 b NaN  
## pl\_nameKepler-1154 c NaN  
## pl\_nameKepler-1155 b NaN  
## pl\_nameKepler-1156 b NaN  
## pl\_nameKepler-1157 b NaN  
## pl\_nameKepler-1158 b NaN  
## pl\_nameKepler-1159 b NaN  
## pl\_nameKepler-116 b NaN  
## pl\_nameKepler-116 c NaN  
## pl\_nameKepler-1160 b NaN  
## pl\_nameKepler-1161 b NaN  
## pl\_nameKepler-1162 b NaN  
## pl\_nameKepler-1162 c NaN  
## pl\_nameKepler-1163 b NaN  
## pl\_nameKepler-1164 b NaN  
## pl\_nameKepler-1165 b NaN  
## pl\_nameKepler-1165 c NaN  
## pl\_nameKepler-1166 b NaN  
## pl\_nameKepler-1167 b NaN  
## pl\_nameKepler-1168 b NaN  
## pl\_nameKepler-1169 b NaN  
## pl\_nameKepler-117 b NaN  
## pl\_nameKepler-117 c NaN  
## pl\_nameKepler-1170 b NaN  
## pl\_nameKepler-1171 b NaN  
## pl\_nameKepler-1172 b NaN  
## pl\_nameKepler-1173 b NaN  
## pl\_nameKepler-1174 b NaN  
## pl\_nameKepler-1175 b NaN  
## pl\_nameKepler-1176 b NaN  
## pl\_nameKepler-1177 b NaN  
## pl\_nameKepler-1178 b NaN  
## pl\_nameKepler-1179 b NaN  
## pl\_nameKepler-118 b NaN  
## pl\_nameKepler-118 c NaN  
## pl\_nameKepler-1180 b NaN  
## pl\_nameKepler-1181 b NaN  
## pl\_nameKepler-1181 c NaN  
## pl\_nameKepler-1182 b NaN  
## pl\_nameKepler-1183 b NaN  
## pl\_nameKepler-1184 b NaN  
## pl\_nameKepler-1185 b NaN  
## pl\_nameKepler-1186 b NaN  
## pl\_nameKepler-1187 b NaN  
## pl\_nameKepler-1188 b NaN  
## pl\_nameKepler-1189 b NaN  
## pl\_nameKepler-119 b NaN  
## pl\_nameKepler-119 c NaN  
## pl\_nameKepler-1190 b NaN  
## pl\_nameKepler-1191 b NaN  
## pl\_nameKepler-1192 b NaN  
## pl\_nameKepler-1193 b NaN  
## pl\_nameKepler-1194 b NaN  
## pl\_nameKepler-1195 b NaN  
## pl\_nameKepler-1196 b NaN  
## pl\_nameKepler-1197 b NaN  
## pl\_nameKepler-1198 b NaN  
## pl\_nameKepler-1199 b NaN  
## pl\_nameKepler-12 b NaN  
## pl\_nameKepler-120 b NaN  
## pl\_nameKepler-120 c NaN  
## pl\_nameKepler-1200 b NaN  
## pl\_nameKepler-1201 b NaN  
## pl\_nameKepler-1202 b NaN  
## pl\_nameKepler-1203 b NaN  
## pl\_nameKepler-1204 b NaN  
## pl\_nameKepler-1205 b NaN  
## pl\_nameKepler-1206 b NaN  
## pl\_nameKepler-1207 b NaN  
## pl\_nameKepler-1208 b NaN  
## pl\_nameKepler-1209 b NaN  
## pl\_nameKepler-121 b NaN  
## pl\_nameKepler-121 c NaN  
## pl\_nameKepler-1210 b NaN  
## pl\_nameKepler-1211 b NaN  
## pl\_nameKepler-1212 b NaN  
## pl\_nameKepler-1213 b NaN  
## pl\_nameKepler-1214 b NaN  
## pl\_nameKepler-1215 b NaN  
## pl\_nameKepler-1216 b NaN  
## pl\_nameKepler-1217 b NaN  
## pl\_nameKepler-1218 b NaN  
## pl\_nameKepler-1219 b NaN  
## pl\_nameKepler-122 b NaN  
## pl\_nameKepler-122 c NaN  
## pl\_nameKepler-122 d NaN  
## pl\_nameKepler-122 e NaN  
## pl\_nameKepler-122 f NaN  
## pl\_nameKepler-1220 b NaN  
## pl\_nameKepler-1221 b NaN  
## pl\_nameKepler-1222 b NaN  
## pl\_nameKepler-1223 b NaN  
## pl\_nameKepler-1224 b NaN  
## pl\_nameKepler-1225 b NaN  
## pl\_nameKepler-1226 b NaN  
## pl\_nameKepler-1227 b NaN  
## pl\_nameKepler-1228 b NaN  
## pl\_nameKepler-1229 b NaN  
## pl\_nameKepler-123 b NaN  
## pl\_nameKepler-123 c NaN  
## pl\_nameKepler-1230 b NaN  
## pl\_nameKepler-1231 b NaN  
## pl\_nameKepler-1232 b NaN  
## pl\_nameKepler-1233 b NaN  
## pl\_nameKepler-1234 b NaN  
## pl\_nameKepler-1235 b NaN  
## pl\_nameKepler-1236 b NaN  
## pl\_nameKepler-1237 b NaN  
## pl\_nameKepler-1238 b NaN  
## pl\_nameKepler-1239 b NaN  
## pl\_nameKepler-124 b NaN  
## pl\_nameKepler-124 c NaN  
## pl\_nameKepler-124 d NaN  
## pl\_nameKepler-1240 b NaN  
## pl\_nameKepler-1241 b NaN  
## pl\_nameKepler-1242 b NaN  
## pl\_nameKepler-1243 b NaN  
## pl\_nameKepler-1244 b NaN  
## pl\_nameKepler-1245 b NaN  
## pl\_nameKepler-1245 c NaN  
## pl\_nameKepler-1246 b NaN  
## pl\_nameKepler-1247 b NaN  
## pl\_nameKepler-1248 b NaN  
## pl\_nameKepler-1249 b NaN  
## pl\_nameKepler-125 b NaN  
## pl\_nameKepler-125 c NaN  
## pl\_nameKepler-1250 b NaN  
## pl\_nameKepler-1251 b NaN  
## pl\_nameKepler-1252 b NaN  
## pl\_nameKepler-1253 b NaN  
## pl\_nameKepler-1254 b NaN  
## pl\_nameKepler-1254 c NaN  
## pl\_nameKepler-1254 d NaN  
## pl\_nameKepler-1255 b NaN  
## pl\_nameKepler-1256 b NaN  
## pl\_nameKepler-1257 b NaN  
## pl\_nameKepler-1258 b NaN  
## pl\_nameKepler-1259 b NaN  
## pl\_nameKepler-126 b NaN  
## pl\_nameKepler-126 c NaN  
## pl\_nameKepler-126 d NaN  
## pl\_nameKepler-1260 b NaN  
## pl\_nameKepler-1261 b NaN  
## pl\_nameKepler-1262 b NaN  
## pl\_nameKepler-1263 b NaN  
## pl\_nameKepler-1264 b NaN  
## pl\_nameKepler-1265 b NaN  
## pl\_nameKepler-1266 b NaN  
## pl\_nameKepler-1266 c NaN  
## pl\_nameKepler-1267 b NaN  
## pl\_nameKepler-1268 b NaN  
## pl\_nameKepler-1269 b NaN  
## pl\_nameKepler-127 b NaN  
## pl\_nameKepler-127 c NaN  
## pl\_nameKepler-127 d NaN  
## pl\_nameKepler-1270 b NaN  
## pl\_nameKepler-1271 b NaN  
## pl\_nameKepler-1272 b NaN  
## pl\_nameKepler-1273 b NaN  
## pl\_nameKepler-1274 b NaN  
## pl\_nameKepler-1275 b NaN  
## pl\_nameKepler-1276 b NaN  
## pl\_nameKepler-1277 b NaN  
## pl\_nameKepler-1278 b NaN  
## pl\_nameKepler-1279 b NaN  
## pl\_nameKepler-128 b NaN  
## pl\_nameKepler-128 c NaN  
## pl\_nameKepler-1280 b NaN  
## pl\_nameKepler-1281 b NaN  
## pl\_nameKepler-1282 b NaN  
## pl\_nameKepler-1283 b NaN  
## pl\_nameKepler-1284 b NaN  
## pl\_nameKepler-1285 b NaN  
## pl\_nameKepler-1286 b NaN  
## pl\_nameKepler-1287 b NaN  
## pl\_nameKepler-1288 b NaN  
## pl\_nameKepler-1289 b NaN  
## pl\_nameKepler-129 b NaN  
## pl\_nameKepler-129 c NaN  
## pl\_nameKepler-129 d NaN  
## pl\_nameKepler-1290 b NaN  
## pl\_nameKepler-1291 b NaN  
## pl\_nameKepler-1292 b NaN  
## pl\_nameKepler-1293 b NaN  
## pl\_nameKepler-1294 b NaN  
## pl\_nameKepler-1295 b NaN  
## pl\_nameKepler-1296 b NaN  
## pl\_nameKepler-1297 b NaN  
## pl\_nameKepler-1298 b NaN  
## pl\_nameKepler-1299 b NaN  
## pl\_nameKepler-130 b NaN  
## pl\_nameKepler-130 c NaN  
## pl\_nameKepler-130 d NaN  
## pl\_nameKepler-1300 b NaN  
## pl\_nameKepler-1301 b NaN  
## pl\_nameKepler-1302 b NaN  
## pl\_nameKepler-1303 b NaN  
## pl\_nameKepler-1304 b NaN  
## pl\_nameKepler-1305 b NaN  
## pl\_nameKepler-1306 b NaN  
## pl\_nameKepler-1307 b NaN  
## pl\_nameKepler-1308 b NaN  
## pl\_nameKepler-1309 b NaN  
## pl\_nameKepler-131 b NaN  
## pl\_nameKepler-131 c NaN  
## pl\_nameKepler-1310 b NaN  
## pl\_nameKepler-1311 b NaN  
## pl\_nameKepler-1311 c NaN  
## pl\_nameKepler-1311 d NaN  
## pl\_nameKepler-1312 b NaN  
## pl\_nameKepler-1312 c NaN  
## pl\_nameKepler-1313 b NaN  
## pl\_nameKepler-1314 b NaN  
## pl\_nameKepler-1315 b NaN  
## pl\_nameKepler-1315 c NaN  
## pl\_nameKepler-1316 b NaN  
## pl\_nameKepler-1317 b NaN  
## pl\_nameKepler-1318 b NaN  
## pl\_nameKepler-1319 b NaN  
## pl\_nameKepler-1320 b NaN  
## pl\_nameKepler-1321 b NaN  
## pl\_nameKepler-1321 c NaN  
## pl\_nameKepler-1321 d NaN  
## pl\_nameKepler-1322 b NaN  
## pl\_nameKepler-1322 c NaN  
## pl\_nameKepler-1323 b NaN  
## pl\_nameKepler-1324 b NaN  
## pl\_nameKepler-1325 b NaN  
## pl\_nameKepler-1326 b NaN  
## pl\_nameKepler-1327 b NaN  
## pl\_nameKepler-1328 b NaN  
## pl\_nameKepler-1329 b NaN  
## pl\_nameKepler-133 b NaN  
## pl\_nameKepler-133 c NaN  
## pl\_nameKepler-1330 b NaN  
## pl\_nameKepler-1331 b NaN  
## pl\_nameKepler-1332 b NaN  
## pl\_nameKepler-1333 b NaN  
## pl\_nameKepler-1334 b NaN  
## pl\_nameKepler-1335 b NaN  
## pl\_nameKepler-1336 b NaN  
## pl\_nameKepler-1336 c NaN  
## pl\_nameKepler-1337 b NaN  
## pl\_nameKepler-1338 b NaN  
## pl\_nameKepler-1339 b NaN  
## pl\_nameKepler-134 b NaN  
## pl\_nameKepler-134 c NaN  
## pl\_nameKepler-1340 b NaN  
## pl\_nameKepler-1341 b NaN  
## pl\_nameKepler-1342 b NaN  
## pl\_nameKepler-1343 b NaN  
## pl\_nameKepler-1344 b NaN  
## pl\_nameKepler-1345 b NaN  
## pl\_nameKepler-1346 b NaN  
## pl\_nameKepler-1347 b NaN  
## pl\_nameKepler-1348 b NaN  
## pl\_nameKepler-1349 b NaN  
## pl\_nameKepler-135 b NaN  
## pl\_nameKepler-135 c NaN  
## pl\_nameKepler-1350 b NaN  
## pl\_nameKepler-1350 c NaN  
## pl\_nameKepler-1351 b NaN  
## pl\_nameKepler-1352 b NaN  
## pl\_nameKepler-1353 b NaN  
## pl\_nameKepler-1354 b NaN  
## pl\_nameKepler-1355 b NaN  
## pl\_nameKepler-1356 b NaN  
## pl\_nameKepler-1357 b NaN  
## pl\_nameKepler-1358 b NaN  
## pl\_nameKepler-1359 b NaN  
## pl\_nameKepler-136 b NaN  
## pl\_nameKepler-136 c NaN  
## pl\_nameKepler-1360 b NaN  
## pl\_nameKepler-1361 b NaN  
## pl\_nameKepler-1362 b NaN  
## pl\_nameKepler-1363 b NaN  
## pl\_nameKepler-1364 b NaN  
## pl\_nameKepler-1365 b NaN  
## pl\_nameKepler-1365 c NaN  
## pl\_nameKepler-1366 b NaN  
## pl\_nameKepler-1367 b NaN  
## pl\_nameKepler-1368 b NaN  
## pl\_nameKepler-1369 b NaN  
## pl\_nameKepler-137 b NaN  
## pl\_nameKepler-137 c NaN  
## pl\_nameKepler-1370 b NaN  
## pl\_nameKepler-1370 c NaN  
## pl\_nameKepler-1371 b NaN  
## pl\_nameKepler-1371 c NaN  
## pl\_nameKepler-1372 b NaN  
## pl\_nameKepler-1373 b NaN  
## pl\_nameKepler-1374 b NaN  
## pl\_nameKepler-1375 b NaN  
## pl\_nameKepler-1376 b NaN  
## pl\_nameKepler-1377 b NaN  
## pl\_nameKepler-1378 b NaN  
## pl\_nameKepler-1379 b NaN  
## pl\_nameKepler-138 b NaN  
## pl\_nameKepler-138 c NaN  
## pl\_nameKepler-138 d NaN  
## pl\_nameKepler-138 e NaN  
## pl\_nameKepler-1380 b NaN  
## pl\_nameKepler-1381 b NaN  
## pl\_nameKepler-1382 b NaN  
## pl\_nameKepler-1383 b NaN  
## pl\_nameKepler-1384 b NaN  
## pl\_nameKepler-1385 b NaN  
## pl\_nameKepler-1386 b NaN  
## pl\_nameKepler-1387 b NaN  
## pl\_nameKepler-1388 b NaN  
## pl\_nameKepler-1388 c NaN  
## pl\_nameKepler-1388 d NaN  
## pl\_nameKepler-1388 e NaN  
## pl\_nameKepler-1389 b NaN  
## pl\_nameKepler-139 b NaN  
## pl\_nameKepler-139 c NaN  
## pl\_nameKepler-1390 b NaN  
## pl\_nameKepler-1391 b NaN  
## pl\_nameKepler-1392 b NaN  
## pl\_nameKepler-1393 b NaN  
## pl\_nameKepler-1394 b NaN  
## pl\_nameKepler-1395 b NaN  
## pl\_nameKepler-1396 b NaN  
## pl\_nameKepler-1397 b NaN  
## pl\_nameKepler-1398 b NaN  
## pl\_nameKepler-1398 c NaN  
## pl\_nameKepler-1399 b NaN  
## pl\_nameKepler-140 b NaN  
## pl\_nameKepler-140 c NaN  
## pl\_nameKepler-1400 b NaN  
## pl\_nameKepler-1401 b NaN  
## pl\_nameKepler-1402 b NaN  
## pl\_nameKepler-1403 b NaN  
## pl\_nameKepler-1404 b NaN  
## pl\_nameKepler-1405 b NaN  
## pl\_nameKepler-1406 b NaN  
## pl\_nameKepler-1407 b NaN  
## pl\_nameKepler-1408 b NaN  
## pl\_nameKepler-1409 b NaN  
## pl\_nameKepler-141 b NaN  
## pl\_nameKepler-141 c NaN  
## pl\_nameKepler-1410 b NaN  
## pl\_nameKepler-1411 b NaN  
## pl\_nameKepler-1412 b NaN  
## pl\_nameKepler-1413 b NaN  
## pl\_nameKepler-1414 b NaN  
## pl\_nameKepler-1415 b NaN  
## pl\_nameKepler-1416 b NaN  
## pl\_nameKepler-1417 b NaN  
## pl\_nameKepler-1418 b NaN  
## pl\_nameKepler-1419 b NaN  
## pl\_nameKepler-142 b NaN  
## pl\_nameKepler-142 c NaN  
## pl\_nameKepler-142 d NaN  
## pl\_nameKepler-1420 b NaN  
## pl\_nameKepler-1421 b NaN  
## pl\_nameKepler-1422 b NaN  
## pl\_nameKepler-1423 b NaN  
## pl\_nameKepler-1424 b NaN  
## pl\_nameKepler-1425 b NaN  
## pl\_nameKepler-1426 b NaN  
## pl\_nameKepler-1427 b NaN  
## pl\_nameKepler-1428 b NaN  
## pl\_nameKepler-1429 b NaN  
## pl\_nameKepler-143 b NaN  
## pl\_nameKepler-143 c NaN  
## pl\_nameKepler-1430 b NaN  
## pl\_nameKepler-1431 b NaN  
## pl\_nameKepler-1432 b NaN  
## pl\_nameKepler-1434 b NaN  
## pl\_nameKepler-1435 b NaN  
## pl\_nameKepler-1436 b NaN  
## pl\_nameKepler-1437 b NaN  
## pl\_nameKepler-1438 b NaN  
## pl\_nameKepler-1439 b NaN  
## pl\_nameKepler-144 b NaN  
## pl\_nameKepler-144 c NaN  
## pl\_nameKepler-1440 b NaN  
## pl\_nameKepler-1441 b NaN  
## pl\_nameKepler-1442 b NaN  
## pl\_nameKepler-1443 b NaN  
## pl\_nameKepler-1444 b NaN  
## pl\_nameKepler-1445 b NaN  
## pl\_nameKepler-1446 b NaN  
## pl\_nameKepler-1447 b NaN  
## pl\_nameKepler-1448 b NaN  
## pl\_nameKepler-1449 b NaN  
## pl\_nameKepler-145 b NaN  
## pl\_nameKepler-145 c NaN  
## pl\_nameKepler-1450 b NaN  
## pl\_nameKepler-1451 b NaN  
## pl\_nameKepler-1452 b NaN  
## pl\_nameKepler-1453 b NaN  
## pl\_nameKepler-1454 b NaN  
## pl\_nameKepler-1455 b NaN  
## pl\_nameKepler-1456 b NaN  
## pl\_nameKepler-1457 b NaN  
## pl\_nameKepler-1458 b NaN  
## pl\_nameKepler-1459 b NaN  
## pl\_nameKepler-146 b NaN  
## pl\_nameKepler-146 c NaN  
## pl\_nameKepler-1460 b NaN  
## pl\_nameKepler-1461 b NaN  
## pl\_nameKepler-1462 b NaN  
## pl\_nameKepler-1463 b NaN  
## pl\_nameKepler-1464 b NaN  
## pl\_nameKepler-1464 c NaN  
## pl\_nameKepler-1465 b NaN  
## pl\_nameKepler-1466 b NaN  
## pl\_nameKepler-1467 b NaN  
## pl\_nameKepler-1468 b NaN  
## pl\_nameKepler-1468 c NaN  
## pl\_nameKepler-1468 d NaN  
## pl\_nameKepler-1469 b NaN  
## pl\_nameKepler-147 b NaN  
## pl\_nameKepler-147 c NaN  
## pl\_nameKepler-1470 b NaN  
## pl\_nameKepler-1471 b NaN  
## pl\_nameKepler-1471 c NaN  
## pl\_nameKepler-1472 b NaN  
## pl\_nameKepler-1473 b NaN  
## pl\_nameKepler-1474 b NaN  
## pl\_nameKepler-1475 b NaN  
## pl\_nameKepler-1476 b NaN  
## pl\_nameKepler-1477 b NaN  
## pl\_nameKepler-1478 b NaN  
## pl\_nameKepler-1479 b NaN  
## pl\_nameKepler-148 b NaN  
## pl\_nameKepler-148 c NaN  
## pl\_nameKepler-148 d NaN  
## pl\_nameKepler-1480 b NaN  
## pl\_nameKepler-1481 b NaN  
## pl\_nameKepler-1482 b NaN  
## pl\_nameKepler-1483 b NaN  
## pl\_nameKepler-1484 b NaN  
## pl\_nameKepler-1485 b NaN  
## pl\_nameKepler-1486 b NaN  
## pl\_nameKepler-1487 b NaN  
## pl\_nameKepler-1487 c NaN  
## pl\_nameKepler-1488 b NaN  
## pl\_nameKepler-1488 c NaN  
## pl\_nameKepler-1489 b NaN  
## pl\_nameKepler-149 b NaN  
## pl\_nameKepler-149 c NaN  
## pl\_nameKepler-149 d NaN  
## pl\_nameKepler-1490 b NaN  
## pl\_nameKepler-1491 b NaN  
## pl\_nameKepler-1491 c NaN  
## pl\_nameKepler-1492 b NaN  
## pl\_nameKepler-1493 b NaN  
## pl\_nameKepler-1494 b NaN  
## pl\_nameKepler-1495 b NaN  
## pl\_nameKepler-1496 b NaN  
## pl\_nameKepler-1497 b NaN  
## pl\_nameKepler-1498 b NaN  
## pl\_nameKepler-1499 b NaN  
## pl\_nameKepler-15 b NaN  
## pl\_nameKepler-150 b NaN  
## pl\_nameKepler-150 c NaN  
## pl\_nameKepler-150 d NaN  
## pl\_nameKepler-150 e NaN  
## pl\_nameKepler-1500 b NaN  
## pl\_nameKepler-1501 b NaN  
## pl\_nameKepler-1502 b NaN  
## pl\_nameKepler-1503 b NaN  
## pl\_nameKepler-1504 b NaN  
## pl\_nameKepler-1505 b NaN  
## pl\_nameKepler-1506 b NaN  
## pl\_nameKepler-1507 b NaN  
## pl\_nameKepler-1508 b NaN  
## pl\_nameKepler-1509 b NaN  
## pl\_nameKepler-151 b NaN  
## pl\_nameKepler-151 c NaN  
## pl\_nameKepler-1510 b NaN  
## pl\_nameKepler-1511 b NaN  
## pl\_nameKepler-1512 b NaN  
## pl\_nameKepler-1513 b NaN  
## pl\_nameKepler-1514 b NaN  
## pl\_nameKepler-1514 c NaN  
## pl\_nameKepler-1515 b NaN  
## pl\_nameKepler-1516 b NaN  
## pl\_nameKepler-1517 b NaN  
## pl\_nameKepler-1518 b NaN  
## pl\_nameKepler-1518 c NaN  
## pl\_nameKepler-1519 b NaN  
## pl\_nameKepler-152 b NaN  
## pl\_nameKepler-152 c NaN  
## pl\_nameKepler-1520 b NaN  
## pl\_nameKepler-1521 b NaN  
## pl\_nameKepler-1522 b NaN  
## pl\_nameKepler-1523 b NaN  
## pl\_nameKepler-1524 b NaN  
## pl\_nameKepler-1525 b NaN  
## pl\_nameKepler-1526 b NaN  
## pl\_nameKepler-1527 b NaN  
## pl\_nameKepler-1528 b NaN  
## pl\_nameKepler-1529 b NaN  
## pl\_nameKepler-153 b NaN  
## pl\_nameKepler-153 c NaN  
## pl\_nameKepler-1530 b NaN  
## pl\_nameKepler-1530 c NaN  
## pl\_nameKepler-1530 d NaN  
## pl\_nameKepler-1531 b NaN  
## pl\_nameKepler-1532 b NaN  
## pl\_nameKepler-1533 b NaN  
## pl\_nameKepler-1534 b NaN  
## pl\_nameKepler-1535 b NaN  
## pl\_nameKepler-1536 b NaN  
## pl\_nameKepler-1537 b NaN  
## pl\_nameKepler-1538 b NaN  
## pl\_nameKepler-1539 b NaN  
## pl\_nameKepler-154 b NaN  
## pl\_nameKepler-154 c NaN  
## pl\_nameKepler-154 d NaN  
## pl\_nameKepler-154 e NaN  
## pl\_nameKepler-154 f NaN  
## pl\_nameKepler-1540 b NaN  
## pl\_nameKepler-1541 b NaN  
## pl\_nameKepler-1542 b NaN  
## pl\_nameKepler-1542 c NaN  
## pl\_nameKepler-1542 d NaN  
## pl\_nameKepler-1542 e NaN  
## pl\_nameKepler-1543 b NaN  
## pl\_nameKepler-1544 b NaN  
## pl\_nameKepler-1545 b NaN  
## pl\_nameKepler-1546 b NaN  
## pl\_nameKepler-1547 b NaN  
## pl\_nameKepler-1548 b NaN  
## pl\_nameKepler-1549 b NaN  
## pl\_nameKepler-155 b NaN  
## pl\_nameKepler-155 c NaN  
## pl\_nameKepler-1550 b NaN  
## pl\_nameKepler-1551 b NaN  
## pl\_nameKepler-1552 b NaN  
## pl\_nameKepler-1553 b NaN  
## pl\_nameKepler-1554 b NaN  
## pl\_nameKepler-1555 b NaN  
## pl\_nameKepler-1556 b NaN  
## pl\_nameKepler-1557 b NaN  
## pl\_nameKepler-1558 b NaN  
## pl\_nameKepler-1559 b NaN  
## pl\_nameKepler-156 b NaN  
## pl\_nameKepler-156 c NaN  
## pl\_nameKepler-1560 b NaN  
## pl\_nameKepler-1561 b NaN  
## pl\_nameKepler-1562 b NaN  
## pl\_nameKepler-1563 b NaN  
## pl\_nameKepler-1564 b NaN  
## pl\_nameKepler-1565 b NaN  
## pl\_nameKepler-1566 b NaN  
## pl\_nameKepler-1567 b NaN  
## pl\_nameKepler-1568 b NaN  
## pl\_nameKepler-1569 b NaN  
## pl\_nameKepler-157 b NaN  
## pl\_nameKepler-157 c NaN  
## pl\_nameKepler-157 d NaN  
## pl\_nameKepler-1570 b NaN  
## pl\_nameKepler-1571 b NaN  
## pl\_nameKepler-1572 b NaN  
## pl\_nameKepler-1573 b NaN  
## pl\_nameKepler-1574 b NaN  
## pl\_nameKepler-1575 b NaN  
## pl\_nameKepler-1576 b NaN  
## pl\_nameKepler-1577 b NaN  
## pl\_nameKepler-1578 b NaN  
## pl\_nameKepler-1579 b NaN  
## pl\_nameKepler-158 b NaN  
## pl\_nameKepler-158 c NaN  
## pl\_nameKepler-1580 b NaN  
## pl\_nameKepler-1581 b NaN  
## pl\_nameKepler-1582 b NaN  
## pl\_nameKepler-1583 b NaN  
## pl\_nameKepler-1584 b NaN  
## pl\_nameKepler-1585 b NaN  
## pl\_nameKepler-1586 b NaN  
## pl\_nameKepler-1587 b NaN  
## pl\_nameKepler-1588 b NaN  
## pl\_nameKepler-1589 b NaN  
## pl\_nameKepler-159 b NaN  
## pl\_nameKepler-159 c NaN  
## pl\_nameKepler-1590 b NaN  
## pl\_nameKepler-1591 b NaN  
## pl\_nameKepler-1592 b NaN  
## pl\_nameKepler-1593 b NaN  
## pl\_nameKepler-1594 b NaN  
## pl\_nameKepler-1595 b NaN  
## pl\_nameKepler-1596 b NaN  
## pl\_nameKepler-1597 b NaN  
## pl\_nameKepler-1598 b NaN  
## pl\_nameKepler-1599 b NaN  
## pl\_nameKepler-16 b NaN  
## pl\_nameKepler-160 b NaN  
## pl\_nameKepler-160 c NaN  
## pl\_nameKepler-1600 b NaN  
## pl\_nameKepler-1600 c NaN  
## pl\_nameKepler-1601 b NaN  
## pl\_nameKepler-1602 b NaN  
## pl\_nameKepler-1603 b NaN  
## pl\_nameKepler-1604 b NaN  
## pl\_nameKepler-1605 b NaN  
## pl\_nameKepler-1606 b NaN  
## pl\_nameKepler-1607 b NaN  
## pl\_nameKepler-1608 b NaN  
## pl\_nameKepler-1609 b NaN  
## pl\_nameKepler-161 b NaN  
## pl\_nameKepler-161 c NaN  
## pl\_nameKepler-1610 b NaN  
## pl\_nameKepler-1610 c NaN  
## pl\_nameKepler-1611 b NaN  
## pl\_nameKepler-1612 b NaN  
## pl\_nameKepler-1613 b NaN  
## pl\_nameKepler-1614 b NaN  
## pl\_nameKepler-1615 b NaN  
## pl\_nameKepler-1616 b NaN  
## pl\_nameKepler-1617 b NaN  
## pl\_nameKepler-1618 b NaN  
## pl\_nameKepler-1619 b NaN  
## pl\_nameKepler-162 b NaN  
## pl\_nameKepler-162 c NaN  
## pl\_nameKepler-1620 b NaN  
## pl\_nameKepler-1621 b NaN  
## pl\_nameKepler-1622 b NaN  
## pl\_nameKepler-1623 b NaN  
## pl\_nameKepler-1624 b NaN  
## pl\_nameKepler-1625 b NaN  
## pl\_nameKepler-1626 b NaN  
## pl\_nameKepler-1627 b NaN  
## pl\_nameKepler-1628 b NaN  
## pl\_nameKepler-1629 b NaN  
## pl\_nameKepler-163 b NaN  
## pl\_nameKepler-163 c NaN  
## pl\_nameKepler-1630 b NaN  
## pl\_nameKepler-1631 b NaN  
## pl\_nameKepler-1632 b NaN  
## pl\_nameKepler-1633 b NaN  
## pl\_nameKepler-1634 b NaN  
## pl\_nameKepler-1635 b NaN  
## pl\_nameKepler-1636 b NaN  
## pl\_nameKepler-1637 b NaN  
## pl\_nameKepler-1638 b NaN  
## pl\_nameKepler-1639 b NaN  
## pl\_nameKepler-164 b NaN  
## pl\_nameKepler-164 c NaN  
## pl\_nameKepler-164 d NaN  
## pl\_nameKepler-164 e NaN  
## pl\_nameKepler-1640 b NaN  
## pl\_nameKepler-1641 b NaN  
## pl\_nameKepler-1641 c NaN  
## pl\_nameKepler-1642 b NaN  
## pl\_nameKepler-1642 c NaN  
## pl\_nameKepler-1643 b NaN  
## pl\_nameKepler-1644 b NaN  
## pl\_nameKepler-1645 b NaN  
## pl\_nameKepler-1646 b NaN  
## pl\_nameKepler-1647 b NaN  
## pl\_nameKepler-1649 b NaN  
## pl\_nameKepler-1649 c NaN  
## pl\_nameKepler-165 b NaN  
## pl\_nameKepler-165 c NaN  
## pl\_nameKepler-1650 b NaN  
## pl\_nameKepler-1651 b NaN  
## pl\_nameKepler-1652 b NaN  
## pl\_nameKepler-1654 b NaN  
## pl\_nameKepler-1655 b NaN  
## pl\_nameKepler-1656 b NaN  
## pl\_nameKepler-1656 c NaN  
## pl\_nameKepler-1658 b NaN  
## pl\_nameKepler-166 b NaN  
## pl\_nameKepler-166 c NaN  
## pl\_nameKepler-166 d NaN  
## pl\_nameKepler-1661 b NaN  
## pl\_nameKepler-1663 b NaN  
## pl\_nameKepler-1664 b NaN  
## pl\_nameKepler-1665 b NaN  
## pl\_nameKepler-1666 b NaN  
## pl\_nameKepler-1666 c NaN  
## pl\_nameKepler-1667 b NaN  
## pl\_nameKepler-1668 b NaN  
## pl\_nameKepler-1669 b NaN  
## pl\_nameKepler-1669 c NaN  
## pl\_nameKepler-1669 d NaN  
## pl\_nameKepler-167 b NaN  
## pl\_nameKepler-167 c NaN  
## pl\_nameKepler-167 d NaN  
## pl\_nameKepler-167 e NaN  
## pl\_nameKepler-1670 b NaN  
## pl\_nameKepler-1671 b NaN  
## pl\_nameKepler-1672 b NaN  
## pl\_nameKepler-1673 b NaN  
## pl\_nameKepler-1674 b NaN  
## pl\_nameKepler-1675 b NaN  
## pl\_nameKepler-1677 b NaN  
## pl\_nameKepler-1678 b NaN  
## pl\_nameKepler-1679 b NaN  
## pl\_nameKepler-168 b NaN  
## pl\_nameKepler-168 c NaN  
## pl\_nameKepler-1680 b NaN  
## pl\_nameKepler-1681 b NaN  
## pl\_nameKepler-1682 b NaN  
## pl\_nameKepler-1683 b NaN  
## pl\_nameKepler-1684 b NaN  
## pl\_nameKepler-1685 b NaN  
## pl\_nameKepler-1686 b NaN  
## pl\_nameKepler-1687 b NaN  
## pl\_nameKepler-1688 b NaN  
## pl\_nameKepler-1689 b NaN  
## pl\_nameKepler-169 b NaN  
## pl\_nameKepler-169 c NaN  
## pl\_nameKepler-169 d NaN  
## pl\_nameKepler-169 e NaN  
## pl\_nameKepler-169 f NaN  
## pl\_nameKepler-1690 b NaN  
## pl\_nameKepler-1691 b NaN  
## pl\_nameKepler-1692 b NaN  
## pl\_nameKepler-1693 b NaN  
## pl\_nameKepler-1693 c NaN  
## pl\_nameKepler-1694 b NaN  
## pl\_nameKepler-1695 b NaN  
## pl\_nameKepler-1696 b NaN  
## pl\_nameKepler-1697 b NaN  
## pl\_nameKepler-1698 b NaN  
## pl\_nameKepler-1699 b NaN  
## pl\_nameKepler-17 b NaN  
## pl\_nameKepler-170 b NaN  
## pl\_nameKepler-170 c NaN  
## pl\_nameKepler-1700 b NaN  
## pl\_nameKepler-1701 b NaN  
## pl\_nameKepler-1702 b NaN  
## pl\_nameKepler-1704 b NaN  
## pl\_nameKepler-1705 b NaN  
## pl\_nameKepler-1709 b NaN  
## pl\_nameKepler-171 b NaN  
## pl\_nameKepler-171 c NaN  
## pl\_nameKepler-171 d NaN  
## pl\_nameKepler-1710 b NaN  
## pl\_nameKepler-1711 b NaN  
## pl\_nameKepler-1712 b NaN  
## pl\_nameKepler-1713 b NaN  
## pl\_nameKepler-1714 b NaN  
## pl\_nameKepler-1715 b NaN  
## pl\_nameKepler-1716 b NaN  
## pl\_nameKepler-1717 b NaN  
## pl\_nameKepler-1718 b NaN  
## pl\_nameKepler-1719 b NaN  
## pl\_nameKepler-172 b NaN  
## pl\_nameKepler-172 c NaN  
## pl\_nameKepler-172 d NaN  
## pl\_nameKepler-172 e NaN  
## pl\_nameKepler-1720 b NaN  
## pl\_nameKepler-1721 b NaN  
## pl\_nameKepler-1722 b NaN  
## pl\_nameKepler-1723 b NaN  
## pl\_nameKepler-1724 b NaN  
## pl\_nameKepler-1725 b NaN  
## pl\_nameKepler-1726 b NaN  
## pl\_nameKepler-1727 b NaN  
## pl\_nameKepler-1728 b NaN  
## pl\_nameKepler-1729 b NaN  
## pl\_nameKepler-173 b NaN  
## pl\_nameKepler-173 c NaN  
## pl\_nameKepler-1730 b NaN  
## pl\_nameKepler-1731 b NaN  
## pl\_nameKepler-1732 b NaN  
## pl\_nameKepler-1733 b NaN  
## pl\_nameKepler-1734 b NaN  
## pl\_nameKepler-1735 b NaN  
## pl\_nameKepler-1736 b NaN  
## pl\_nameKepler-1738 b NaN  
## pl\_nameKepler-1739 b NaN  
## pl\_nameKepler-174 b NaN  
## pl\_nameKepler-174 c NaN  
## pl\_nameKepler-174 d NaN  
## pl\_nameKepler-1740 b NaN  
## pl\_nameKepler-1741 b NaN  
## pl\_nameKepler-1742 b NaN  
## pl\_nameKepler-1743 b NaN  
## pl\_nameKepler-1744 b NaN  
## pl\_nameKepler-1745 b NaN  
## pl\_nameKepler-1746 b NaN  
## pl\_nameKepler-1747 b NaN  
## pl\_nameKepler-1748 b NaN  
## pl\_nameKepler-1749 b NaN  
## pl\_nameKepler-175 b NaN  
## pl\_nameKepler-175 c NaN  
## pl\_nameKepler-1750 b NaN  
## pl\_nameKepler-1751 b NaN  
## pl\_nameKepler-1752 b NaN  
## pl\_nameKepler-1753 b NaN  
## pl\_nameKepler-1754 b NaN  
## pl\_nameKepler-1755 b NaN  
## pl\_nameKepler-1757 b NaN  
## pl\_nameKepler-1758 b NaN  
## pl\_nameKepler-1759 b NaN  
## pl\_nameKepler-176 b NaN  
## pl\_nameKepler-176 c NaN  
## pl\_nameKepler-176 d NaN  
## pl\_nameKepler-176 e NaN  
## pl\_nameKepler-1761 b NaN  
## pl\_nameKepler-1762 b NaN  
## pl\_nameKepler-1763 b NaN  
## pl\_nameKepler-1764 b NaN  
## pl\_nameKepler-1765 b NaN  
## pl\_nameKepler-1766 b NaN  
## pl\_nameKepler-1767 b NaN  
## pl\_nameKepler-1768 b NaN  
## pl\_nameKepler-1769 b NaN  
## pl\_nameKepler-177 b NaN  
## pl\_nameKepler-177 c NaN  
## pl\_nameKepler-1770 b NaN  
## pl\_nameKepler-1771 b NaN  
## pl\_nameKepler-1772 b NaN  
## pl\_nameKepler-1773 b NaN  
## pl\_nameKepler-1774 b NaN  
## pl\_nameKepler-1775 b NaN  
## pl\_nameKepler-1776 b NaN  
## pl\_nameKepler-1777 b NaN  
## pl\_nameKepler-1778 b NaN  
## pl\_nameKepler-1779 b NaN  
## pl\_nameKepler-178 b NaN  
## pl\_nameKepler-178 c NaN  
## pl\_nameKepler-178 d NaN  
## pl\_nameKepler-1780 b NaN  
## pl\_nameKepler-1781 b NaN  
## pl\_nameKepler-1782 b NaN  
## pl\_nameKepler-1783 b NaN  
## pl\_nameKepler-1784 b NaN  
## pl\_nameKepler-1785 b NaN  
## pl\_nameKepler-1786 b NaN  
## pl\_nameKepler-1787 b NaN  
## pl\_nameKepler-1788 b NaN  
## pl\_nameKepler-1789 b NaN  
## pl\_nameKepler-179 b NaN  
## pl\_nameKepler-179 c NaN  
## pl\_nameKepler-1790 b NaN  
## pl\_nameKepler-1791 b NaN  
## pl\_nameKepler-1792 b NaN  
## pl\_nameKepler-1793 b NaN  
## pl\_nameKepler-1794 b NaN  
## pl\_nameKepler-1796 b NaN  
## pl\_nameKepler-1797 b NaN  
## pl\_nameKepler-1798 b NaN  
## pl\_nameKepler-1799 b NaN  
## pl\_nameKepler-18 b NaN  
## pl\_nameKepler-18 c NaN  
## pl\_nameKepler-18 d NaN  
## pl\_nameKepler-180 b NaN  
## pl\_nameKepler-180 c NaN  
## pl\_nameKepler-1800 b NaN  
## pl\_nameKepler-1801 b NaN  
## pl\_nameKepler-1801 c NaN  
## pl\_nameKepler-1802 b NaN  
## pl\_nameKepler-1802 c NaN  
## pl\_nameKepler-1804 b NaN  
## pl\_nameKepler-1805 b NaN  
## pl\_nameKepler-1806 b NaN  
## pl\_nameKepler-1807 b NaN  
## pl\_nameKepler-1808 b NaN  
## pl\_nameKepler-1809 b NaN  
## pl\_nameKepler-181 b NaN  
## pl\_nameKepler-181 c NaN  
## pl\_nameKepler-1810 b NaN  
## pl\_nameKepler-1811 b NaN  
## pl\_nameKepler-1812 b NaN  
## pl\_nameKepler-1814 b NaN  
## pl\_nameKepler-1814 c NaN  
## pl\_nameKepler-1815 b NaN  
## pl\_nameKepler-1816 b NaN  
## pl\_nameKepler-1817 b NaN  
## pl\_nameKepler-1818 b NaN  
## pl\_nameKepler-1819 b NaN  
## pl\_nameKepler-182 b NaN  
## pl\_nameKepler-182 c NaN  
## pl\_nameKepler-1820 b NaN  
## pl\_nameKepler-1821 b NaN  
## pl\_nameKepler-1822 b NaN  
## pl\_nameKepler-1823 b NaN  
## pl\_nameKepler-1824 b NaN  
## pl\_nameKepler-1825 b NaN  
## pl\_nameKepler-1826 b NaN  
## pl\_nameKepler-1827 b NaN  
## pl\_nameKepler-1828 b NaN  
## pl\_nameKepler-1829 b NaN  
## pl\_nameKepler-183 b NaN  
## pl\_nameKepler-183 c NaN  
## pl\_nameKepler-1830 b NaN  
## pl\_nameKepler-1831 b NaN  
## pl\_nameKepler-1832 b NaN  
## pl\_nameKepler-1833 b NaN  
## pl\_nameKepler-1834 b NaN  
## pl\_nameKepler-1834 c NaN  
## pl\_nameKepler-1835 b NaN  
## pl\_nameKepler-1836 b NaN  
## pl\_nameKepler-1837 b NaN  
## pl\_nameKepler-1838 b NaN  
## pl\_nameKepler-1839 b NaN  
## pl\_nameKepler-184 b NaN  
## pl\_nameKepler-184 c NaN  
## pl\_nameKepler-184 d NaN  
## pl\_nameKepler-1840 b NaN  
## pl\_nameKepler-1841 b NaN  
## pl\_nameKepler-1842 b NaN  
## pl\_nameKepler-1843 b NaN  
## pl\_nameKepler-1844 b NaN  
## pl\_nameKepler-1845 b NaN  
## pl\_nameKepler-1846 b NaN  
## pl\_nameKepler-1847 b NaN  
## pl\_nameKepler-1848 b NaN  
## pl\_nameKepler-1849 b NaN  
## pl\_nameKepler-185 b NaN  
## pl\_nameKepler-185 c NaN  
## pl\_nameKepler-1850 b NaN  
## pl\_nameKepler-1851 b NaN  
## pl\_nameKepler-1852 b NaN  
## pl\_nameKepler-1853 b NaN  
## pl\_nameKepler-1854 b NaN  
## pl\_nameKepler-1856 b NaN  
## pl\_nameKepler-1857 b NaN  
## pl\_nameKepler-1858 b NaN  
## pl\_nameKepler-1859 b NaN  
## pl\_nameKepler-1859 c NaN  
## pl\_nameKepler-186 b NaN  
## pl\_nameKepler-186 c NaN  
## pl\_nameKepler-186 d NaN  
## pl\_nameKepler-186 e NaN  
## pl\_nameKepler-186 f NaN  
## pl\_nameKepler-1860 b NaN  
## pl\_nameKepler-1861 b NaN  
## pl\_nameKepler-1862 b NaN  
## pl\_nameKepler-1863 b NaN  
## pl\_nameKepler-1864 b NaN  
## pl\_nameKepler-1865 b NaN  
## pl\_nameKepler-1866 b NaN  
## pl\_nameKepler-1867 b NaN  
## pl\_nameKepler-1868 b NaN  
## pl\_nameKepler-1869 b NaN  
## pl\_nameKepler-1869 c NaN  
## pl\_nameKepler-187 b NaN  
## pl\_nameKepler-187 c NaN  
## pl\_nameKepler-1870 b NaN  
## pl\_nameKepler-1871 b NaN  
## pl\_nameKepler-1872 b NaN  
## pl\_nameKepler-1873 b NaN  
## pl\_nameKepler-1874 b NaN  
## pl\_nameKepler-1875 b NaN  
## pl\_nameKepler-1876 b NaN  
## pl\_nameKepler-1877 b NaN  
## pl\_nameKepler-1878 b NaN  
## pl\_nameKepler-1879 b NaN  
## pl\_nameKepler-188 b NaN  
## pl\_nameKepler-188 c NaN  
## pl\_nameKepler-1880 b NaN  
## pl\_nameKepler-1881 b NaN  
## pl\_nameKepler-1882 b NaN  
## pl\_nameKepler-1883 b NaN  
## pl\_nameKepler-1884 b NaN  
## pl\_nameKepler-1885 b NaN  
## pl\_nameKepler-1886 b NaN  
## pl\_nameKepler-1887 b NaN  
## pl\_nameKepler-1888 b NaN  
## pl\_nameKepler-1889 b NaN  
## pl\_nameKepler-189 b NaN  
## pl\_nameKepler-189 c NaN  
## pl\_nameKepler-1890 b NaN  
## pl\_nameKepler-1891 b NaN  
## pl\_nameKepler-1892 b NaN  
## pl\_nameKepler-1893 b NaN  
## pl\_nameKepler-1894 b NaN  
## pl\_nameKepler-1894 c NaN  
## pl\_nameKepler-1895 b NaN  
## pl\_nameKepler-1896 b NaN  
## pl\_nameKepler-1897 b NaN  
## pl\_nameKepler-1898 b NaN  
## pl\_nameKepler-1899 b NaN  
## pl\_nameKepler-19 b NaN  
## pl\_nameKepler-190 b NaN  
## pl\_nameKepler-190 c NaN  
## pl\_nameKepler-1900 b NaN  
## pl\_nameKepler-1901 b NaN  
## pl\_nameKepler-1902 b NaN  
## pl\_nameKepler-1903 b NaN  
## pl\_nameKepler-1904 b NaN  
## pl\_nameKepler-1905 b NaN  
## pl\_nameKepler-1906 b NaN  
## pl\_nameKepler-1907 b NaN  
## pl\_nameKepler-1907 c NaN  
## pl\_nameKepler-1909 b NaN  
## pl\_nameKepler-191 b NaN  
## pl\_nameKepler-191 c NaN  
## pl\_nameKepler-191 d NaN  
## pl\_nameKepler-1911 b NaN  
## pl\_nameKepler-1912 b NaN  
## pl\_nameKepler-1913 b NaN  
## pl\_nameKepler-1914 b NaN  
## pl\_nameKepler-1915 b NaN  
## pl\_nameKepler-1916 b NaN  
## pl\_nameKepler-1917 b NaN  
## pl\_nameKepler-1918 b NaN  
## pl\_nameKepler-1919 b NaN  
## pl\_nameKepler-192 b NaN  
## pl\_nameKepler-192 c NaN  
## pl\_nameKepler-192 d NaN  
## pl\_nameKepler-1920 b NaN  
## pl\_nameKepler-1921 b NaN  
## pl\_nameKepler-1921 c NaN  
## pl\_nameKepler-1922 b NaN  
## pl\_nameKepler-1923 b NaN  
## pl\_nameKepler-1924 b NaN  
## pl\_nameKepler-1925 b NaN  
## pl\_nameKepler-1926 b NaN  
## pl\_nameKepler-1927 b NaN  
## pl\_nameKepler-1928 b NaN  
## pl\_nameKepler-1929 b NaN  
## pl\_nameKepler-193 b NaN  
## pl\_nameKepler-193 c NaN  
## pl\_nameKepler-1930 b NaN  
## pl\_nameKepler-1931 b NaN  
## pl\_nameKepler-1932 b NaN  
## pl\_nameKepler-1933 b NaN  
## pl\_nameKepler-1934 b NaN  
## pl\_nameKepler-1935 b NaN  
## pl\_nameKepler-1936 b NaN  
## pl\_nameKepler-1937 b NaN  
## pl\_nameKepler-1938 b NaN  
## pl\_nameKepler-1939 b NaN  
## pl\_nameKepler-194 b NaN  
## pl\_nameKepler-194 c NaN  
## pl\_nameKepler-194 d NaN  
## pl\_nameKepler-1940 b NaN  
## pl\_nameKepler-1941 b NaN  
## pl\_nameKepler-1942 b NaN  
## pl\_nameKepler-1943 b NaN  
## pl\_nameKepler-1944 b NaN  
## pl\_nameKepler-1946 b NaN  
## pl\_nameKepler-1947 b NaN  
## pl\_nameKepler-1948 b NaN  
## pl\_nameKepler-1949 b NaN  
## pl\_nameKepler-195 b NaN  
## pl\_nameKepler-195 c NaN  
## pl\_nameKepler-1950 b NaN  
## pl\_nameKepler-1951 b NaN  
## pl\_nameKepler-1952 b NaN  
## pl\_nameKepler-1953 b NaN  
## pl\_nameKepler-1954 b NaN  
## pl\_nameKepler-1955 b NaN  
## pl\_nameKepler-1956 b NaN  
## pl\_nameKepler-1957 b NaN  
## pl\_nameKepler-1958 b NaN  
## pl\_nameKepler-1959 b NaN  
## pl\_nameKepler-196 b NaN  
## pl\_nameKepler-196 c NaN  
## pl\_nameKepler-196 d NaN  
## pl\_nameKepler-1960 b NaN  
## pl\_nameKepler-1961 b NaN  
## pl\_nameKepler-1962 b NaN  
## pl\_nameKepler-1963 b NaN  
## pl\_nameKepler-1965 b NaN  
## pl\_nameKepler-1966 b NaN  
## pl\_nameKepler-1967 b NaN  
## pl\_nameKepler-1968 b NaN  
## pl\_nameKepler-1969 b NaN  
## pl\_nameKepler-197 b NaN  
## pl\_nameKepler-197 c NaN  
## pl\_nameKepler-197 d NaN  
## pl\_nameKepler-197 e NaN  
## pl\_nameKepler-1972 b NaN  
## pl\_nameKepler-1972 c NaN  
## pl\_nameKepler-1977 b NaN  
## pl\_nameKepler-1978 b NaN  
## pl\_nameKepler-1979 b NaN  
## pl\_nameKepler-198 b NaN  
## pl\_nameKepler-198 c NaN  
## pl\_nameKepler-198 d NaN  
## pl\_nameKepler-1980 b NaN  
## pl\_nameKepler-1981 b NaN  
## pl\_nameKepler-1982 b NaN  
## pl\_nameKepler-1983 b NaN  
## pl\_nameKepler-1986 b NaN  
## pl\_nameKepler-1987 b NaN  
## pl\_nameKepler-1987 c NaN  
## pl\_nameKepler-1987 d NaN  
## pl\_nameKepler-1987 e NaN  
## pl\_nameKepler-1988 b NaN  
## pl\_nameKepler-1989 b NaN  
## pl\_nameKepler-199 b NaN  
## pl\_nameKepler-199 c NaN  
## pl\_nameKepler-1990 b NaN  
## pl\_nameKepler-1990 c NaN  
## pl\_nameKepler-1991 b NaN  
## pl\_nameKepler-1991 c NaN  
## pl\_nameKepler-1992 b NaN  
## pl\_nameKepler-1993 b NaN  
## pl\_nameKepler-1994 b NaN  
## pl\_nameKepler-1995 b NaN  
## pl\_nameKepler-1996 b NaN  
## pl\_nameKepler-1996 c NaN  
## pl\_nameKepler-1997 b NaN  
## pl\_nameKepler-1998 b NaN  
## pl\_nameKepler-1999 b NaN  
## pl\_nameKepler-20 b NaN  
## pl\_nameKepler-20 c NaN  
## pl\_nameKepler-20 d NaN  
## pl\_nameKepler-20 e NaN  
## pl\_nameKepler-20 f NaN  
## pl\_nameKepler-20 g NaN  
## pl\_nameKepler-200 b NaN  
## pl\_nameKepler-200 c NaN  
## pl\_nameKepler-2000 b NaN  
## pl\_nameKepler-2000 c NaN  
## pl\_nameKepler-2001 b NaN  
## pl\_nameKepler-2001 c NaN  
## pl\_nameKepler-201 b NaN  
## pl\_nameKepler-201 c NaN  
## pl\_nameKepler-202 b NaN  
## pl\_nameKepler-202 c NaN  
## pl\_nameKepler-203 b NaN  
## pl\_nameKepler-203 c NaN  
## pl\_nameKepler-203 d NaN  
## pl\_nameKepler-204 b NaN  
## pl\_nameKepler-204 c NaN  
## pl\_nameKepler-205 b NaN  
## pl\_nameKepler-205 c NaN  
## pl\_nameKepler-206 b NaN  
## pl\_nameKepler-206 c NaN  
## pl\_nameKepler-206 d NaN  
## pl\_nameKepler-207 b NaN  
## pl\_nameKepler-207 c NaN  
## pl\_nameKepler-207 d NaN  
## pl\_nameKepler-208 b NaN  
## pl\_nameKepler-208 c NaN  
## pl\_nameKepler-208 d NaN  
## pl\_nameKepler-208 e NaN  
## pl\_nameKepler-209 b NaN  
## pl\_nameKepler-209 c NaN  
## pl\_nameKepler-21 b NaN  
## pl\_nameKepler-210 b NaN  
## pl\_nameKepler-210 c NaN  
## pl\_nameKepler-211 b NaN  
## pl\_nameKepler-211 c NaN  
## pl\_nameKepler-212 b NaN  
## pl\_nameKepler-212 c NaN  
## pl\_nameKepler-213 b NaN  
## pl\_nameKepler-213 c NaN  
## pl\_nameKepler-214 b NaN  
## pl\_nameKepler-214 c NaN  
## pl\_nameKepler-215 b NaN  
## pl\_nameKepler-215 c NaN  
## pl\_nameKepler-215 d NaN  
## pl\_nameKepler-215 e NaN  
## pl\_nameKepler-216 b NaN  
## pl\_nameKepler-216 c NaN  
## pl\_nameKepler-217 b NaN  
## pl\_nameKepler-217 c NaN  
## pl\_nameKepler-217 d NaN  
## pl\_nameKepler-218 b NaN  
## pl\_nameKepler-218 c NaN  
## pl\_nameKepler-218 d NaN  
## pl\_nameKepler-219 b NaN  
## pl\_nameKepler-219 c NaN  
## pl\_nameKepler-219 d NaN  
## pl\_nameKepler-22 b NaN  
## pl\_nameKepler-220 b NaN  
## pl\_nameKepler-220 c NaN  
## pl\_nameKepler-220 d NaN  
## pl\_nameKepler-220 e NaN  
## pl\_nameKepler-221 b NaN  
## pl\_nameKepler-221 c NaN  
## pl\_nameKepler-221 d NaN  
## pl\_nameKepler-221 e NaN  
## pl\_nameKepler-222 b NaN  
## pl\_nameKepler-222 c NaN  
## pl\_nameKepler-222 d NaN  
## pl\_nameKepler-223 b NaN  
## pl\_nameKepler-223 c NaN  
## pl\_nameKepler-223 d NaN  
## pl\_nameKepler-223 e NaN  
## pl\_nameKepler-224 b NaN  
## pl\_nameKepler-224 c NaN  
## pl\_nameKepler-224 d NaN  
## pl\_nameKepler-224 e NaN  
## pl\_nameKepler-225 b NaN  
## pl\_nameKepler-225 c NaN  
## pl\_nameKepler-226 b NaN  
## pl\_nameKepler-226 c NaN  
## pl\_nameKepler-226 d NaN  
## pl\_nameKepler-227 b NaN  
## pl\_nameKepler-227 c NaN  
## pl\_nameKepler-228 b NaN  
## pl\_nameKepler-228 c NaN  
## pl\_nameKepler-228 d NaN  
## pl\_nameKepler-229 b NaN  
## pl\_nameKepler-229 c NaN  
## pl\_nameKepler-229 d NaN  
## pl\_nameKepler-23 d NaN  
## pl\_nameKepler-230 b NaN  
## pl\_nameKepler-230 c NaN  
## pl\_nameKepler-231 b NaN  
## pl\_nameKepler-231 c NaN  
## pl\_nameKepler-232 b NaN  
## pl\_nameKepler-232 c NaN  
## pl\_nameKepler-233 b NaN  
## pl\_nameKepler-233 c NaN  
## pl\_nameKepler-234 b NaN  
## pl\_nameKepler-234 c NaN  
## pl\_nameKepler-235 b NaN  
## pl\_nameKepler-235 c NaN  
## pl\_nameKepler-235 d NaN  
## pl\_nameKepler-235 e NaN  
## pl\_nameKepler-236 b NaN  
## pl\_nameKepler-236 c NaN  
## pl\_nameKepler-237 b NaN  
## pl\_nameKepler-237 c NaN  
## pl\_nameKepler-238 b NaN  
## pl\_nameKepler-238 c NaN  
## pl\_nameKepler-238 d NaN  
## pl\_nameKepler-238 e NaN  
## pl\_nameKepler-238 f NaN  
## pl\_nameKepler-239 b NaN  
## pl\_nameKepler-239 c NaN  
## pl\_nameKepler-24 d NaN  
## pl\_nameKepler-24 e NaN  
## pl\_nameKepler-240 b NaN  
## pl\_nameKepler-240 c NaN  
## pl\_nameKepler-241 b NaN  
## pl\_nameKepler-241 c NaN  
## pl\_nameKepler-242 b NaN  
## pl\_nameKepler-242 c NaN  
## pl\_nameKepler-243 b NaN  
## pl\_nameKepler-243 c NaN  
## pl\_nameKepler-244 b NaN  
## pl\_nameKepler-244 c NaN  
## pl\_nameKepler-244 d NaN  
## pl\_nameKepler-245 b NaN  
## pl\_nameKepler-245 c NaN  
## pl\_nameKepler-245 d NaN  
## pl\_nameKepler-245 e NaN  
## pl\_nameKepler-246 b NaN  
## pl\_nameKepler-246 c NaN  
## pl\_nameKepler-247 b NaN  
## pl\_nameKepler-247 c NaN  
## pl\_nameKepler-247 d NaN  
## pl\_nameKepler-248 b NaN  
## pl\_nameKepler-248 c NaN  
## pl\_nameKepler-249 b NaN  
## pl\_nameKepler-249 c NaN  
## pl\_nameKepler-249 d NaN  
## pl\_nameKepler-25 b NaN  
## pl\_nameKepler-25 c NaN  
## pl\_nameKepler-250 b NaN  
## pl\_nameKepler-250 c NaN  
## pl\_nameKepler-250 d NaN  
## pl\_nameKepler-251 b NaN  
## pl\_nameKepler-251 c NaN  
## pl\_nameKepler-251 d NaN  
## pl\_nameKepler-251 e NaN  
## pl\_nameKepler-252 b NaN  
## pl\_nameKepler-252 c NaN  
## pl\_nameKepler-253 b NaN  
## pl\_nameKepler-253 c NaN  
## pl\_nameKepler-253 d NaN  
## pl\_nameKepler-254 b NaN  
## pl\_nameKepler-254 c NaN  
## pl\_nameKepler-254 d NaN  
## pl\_nameKepler-255 b NaN  
## pl\_nameKepler-255 c NaN  
## pl\_nameKepler-255 d NaN  
## pl\_nameKepler-256 b NaN  
## pl\_nameKepler-256 c NaN  
## pl\_nameKepler-256 d NaN  
## pl\_nameKepler-256 e NaN  
## pl\_nameKepler-257 b NaN  
## pl\_nameKepler-257 c NaN  
## pl\_nameKepler-257 d NaN  
## pl\_nameKepler-258 b NaN  
## pl\_nameKepler-258 c NaN  
## pl\_nameKepler-259 b NaN  
## pl\_nameKepler-259 c NaN  
## pl\_nameKepler-26 b NaN  
## pl\_nameKepler-26 c NaN  
## pl\_nameKepler-26 d NaN  
## pl\_nameKepler-26 e NaN  
## pl\_nameKepler-260 b NaN  
## pl\_nameKepler-260 c NaN  
## pl\_nameKepler-261 b NaN  
## pl\_nameKepler-261 c NaN  
## pl\_nameKepler-262 b NaN  
## pl\_nameKepler-262 c NaN  
## pl\_nameKepler-263 b NaN  
## pl\_nameKepler-263 c NaN  
## pl\_nameKepler-264 b NaN  
## pl\_nameKepler-264 c NaN  
## pl\_nameKepler-265 b NaN  
## pl\_nameKepler-265 c NaN  
## pl\_nameKepler-265 d NaN  
## pl\_nameKepler-265 e NaN  
## pl\_nameKepler-266 b NaN  
## pl\_nameKepler-266 c NaN  
## pl\_nameKepler-267 b NaN  
## pl\_nameKepler-267 c NaN  
## pl\_nameKepler-267 d NaN  
## pl\_nameKepler-268 b NaN  
## pl\_nameKepler-268 c NaN  
## pl\_nameKepler-269 b NaN  
## pl\_nameKepler-269 c NaN  
## pl\_nameKepler-27 d NaN  
## pl\_nameKepler-270 b NaN  
## pl\_nameKepler-270 c NaN  
## pl\_nameKepler-271 b NaN  
## pl\_nameKepler-271 c NaN  
## pl\_nameKepler-271 d NaN  
## pl\_nameKepler-272 b NaN  
## pl\_nameKepler-272 c NaN  
## pl\_nameKepler-272 d NaN  
## pl\_nameKepler-273 b NaN  
## pl\_nameKepler-273 c NaN  
## pl\_nameKepler-274 b NaN  
## pl\_nameKepler-274 c NaN  
## pl\_nameKepler-275 b NaN  
## pl\_nameKepler-275 c NaN  
## pl\_nameKepler-275 d NaN  
## pl\_nameKepler-276 b NaN  
## pl\_nameKepler-276 c NaN  
## pl\_nameKepler-276 d NaN  
## pl\_nameKepler-277 b NaN  
## pl\_nameKepler-277 c NaN  
## pl\_nameKepler-278 b NaN  
## pl\_nameKepler-278 c NaN  
## pl\_nameKepler-279 b NaN  
## pl\_nameKepler-279 c NaN  
## pl\_nameKepler-279 d NaN  
## pl\_nameKepler-280 b NaN  
## pl\_nameKepler-280 c NaN  
## pl\_nameKepler-281 b NaN  
## pl\_nameKepler-281 c NaN  
## pl\_nameKepler-281 d NaN  
## pl\_nameKepler-282 b NaN  
## pl\_nameKepler-282 c NaN  
## pl\_nameKepler-282 d NaN  
## pl\_nameKepler-282 e NaN  
## pl\_nameKepler-283 b NaN  
## pl\_nameKepler-283 c NaN  
## pl\_nameKepler-284 b NaN  
## pl\_nameKepler-284 c NaN  
## pl\_nameKepler-285 b NaN  
## pl\_nameKepler-285 c NaN  
## pl\_nameKepler-286 b NaN  
## pl\_nameKepler-286 c NaN  
## pl\_nameKepler-286 d NaN  
## pl\_nameKepler-286 e NaN  
## pl\_nameKepler-287 b NaN  
## pl\_nameKepler-287 c NaN  
## pl\_nameKepler-288 b NaN  
## pl\_nameKepler-288 c NaN  
## pl\_nameKepler-288 d NaN  
## pl\_nameKepler-289 b NaN  
## pl\_nameKepler-289 c NaN  
## pl\_nameKepler-29 b NaN  
## pl\_nameKepler-29 c NaN  
## pl\_nameKepler-290 b NaN  
## pl\_nameKepler-290 c NaN  
## pl\_nameKepler-290 d NaN  
## pl\_nameKepler-291 b NaN  
## pl\_nameKepler-291 c NaN  
## pl\_nameKepler-292 b NaN  
## pl\_nameKepler-292 c NaN  
## pl\_nameKepler-292 d NaN  
## pl\_nameKepler-292 e NaN  
## pl\_nameKepler-292 f NaN  
## pl\_nameKepler-293 b NaN  
## pl\_nameKepler-293 c NaN  
## pl\_nameKepler-294 b NaN  
## pl\_nameKepler-294 c NaN  
## pl\_nameKepler-295 b NaN  
## pl\_nameKepler-295 c NaN  
## pl\_nameKepler-295 d NaN  
## pl\_nameKepler-296 b NaN  
## pl\_nameKepler-296 c NaN  
## pl\_nameKepler-296 d NaN  
## pl\_nameKepler-296 e NaN  
## pl\_nameKepler-296 f NaN  
## pl\_nameKepler-297 b NaN  
## pl\_nameKepler-297 c NaN  
## pl\_nameKepler-297 d NaN  
## pl\_nameKepler-298 b NaN  
## pl\_nameKepler-298 c NaN  
## pl\_nameKepler-298 d NaN  
## pl\_nameKepler-299 b NaN  
## pl\_nameKepler-299 c NaN  
## pl\_nameKepler-299 d NaN  
## pl\_nameKepler-299 e NaN  
## pl\_nameKepler-30 b NaN  
## pl\_nameKepler-30 c NaN  
## pl\_nameKepler-30 d NaN  
## pl\_nameKepler-300 b NaN  
## pl\_nameKepler-300 c NaN  
## pl\_nameKepler-301 b NaN  
## pl\_nameKepler-301 c NaN  
## pl\_nameKepler-301 d NaN  
## pl\_nameKepler-302 b NaN  
## pl\_nameKepler-303 b NaN  
## pl\_nameKepler-303 c NaN  
## pl\_nameKepler-304 b NaN  
## pl\_nameKepler-304 c NaN  
## pl\_nameKepler-304 d NaN  
## pl\_nameKepler-304 e NaN  
## pl\_nameKepler-305 b NaN  
## pl\_nameKepler-305 c NaN  
## pl\_nameKepler-305 d NaN  
## pl\_nameKepler-305 e NaN  
## pl\_nameKepler-306 b NaN  
## pl\_nameKepler-306 c NaN  
## pl\_nameKepler-306 d NaN  
## pl\_nameKepler-306 e NaN  
## pl\_nameKepler-307 b NaN  
## pl\_nameKepler-307 c NaN  
## pl\_nameKepler-308 b NaN  
## pl\_nameKepler-308 c NaN  
## pl\_nameKepler-309 b NaN  
## pl\_nameKepler-309 c NaN  
## pl\_nameKepler-31 b NaN  
## pl\_nameKepler-310 b NaN  
## pl\_nameKepler-310 c NaN  
## pl\_nameKepler-310 d NaN  
## pl\_nameKepler-311 b NaN  
## pl\_nameKepler-311 c NaN  
## pl\_nameKepler-311 d NaN  
## pl\_nameKepler-312 b NaN  
## pl\_nameKepler-312 c NaN  
## pl\_nameKepler-313 b NaN  
## pl\_nameKepler-313 c NaN  
## pl\_nameKepler-314 b NaN  
## pl\_nameKepler-314 c NaN  
## pl\_nameKepler-315 b NaN  
## pl\_nameKepler-315 c NaN  
## pl\_nameKepler-316 b NaN  
## pl\_nameKepler-316 c NaN  
## pl\_nameKepler-317 b NaN  
## pl\_nameKepler-317 c NaN  
## pl\_nameKepler-318 b NaN  
## pl\_nameKepler-318 c NaN  
## pl\_nameKepler-319 b NaN  
## pl\_nameKepler-319 c NaN  
## pl\_nameKepler-319 d NaN  
## pl\_nameKepler-32 d NaN  
## pl\_nameKepler-32 e NaN  
## pl\_nameKepler-32 f NaN  
## pl\_nameKepler-320 b NaN  
## pl\_nameKepler-320 c NaN  
## pl\_nameKepler-321 b NaN  
## pl\_nameKepler-321 c NaN  
## pl\_nameKepler-322 b NaN  
## pl\_nameKepler-322 c NaN  
## pl\_nameKepler-323 b NaN  
## pl\_nameKepler-323 c NaN  
## pl\_nameKepler-324 b NaN  
## pl\_nameKepler-324 c NaN  
## pl\_nameKepler-324 e NaN  
## pl\_nameKepler-325 b NaN  
## pl\_nameKepler-325 c NaN  
## pl\_nameKepler-325 d NaN  
## pl\_nameKepler-326 b NaN  
## pl\_nameKepler-326 c NaN  
## pl\_nameKepler-326 d NaN  
## pl\_nameKepler-327 b NaN  
## pl\_nameKepler-327 c NaN  
## pl\_nameKepler-327 d NaN  
## pl\_nameKepler-328 b NaN  
## pl\_nameKepler-328 c NaN  
## pl\_nameKepler-329 b NaN  
## pl\_nameKepler-329 c NaN  
## pl\_nameKepler-33 b NaN  
## pl\_nameKepler-33 c NaN  
## pl\_nameKepler-33 d NaN  
## pl\_nameKepler-33 e NaN  
## pl\_nameKepler-33 f NaN  
## pl\_nameKepler-330 b NaN  
## pl\_nameKepler-330 c NaN  
## pl\_nameKepler-331 b NaN  
## pl\_nameKepler-331 c NaN  
## pl\_nameKepler-331 d NaN  
## pl\_nameKepler-332 b NaN  
## pl\_nameKepler-332 c NaN  
## pl\_nameKepler-332 d NaN  
## pl\_nameKepler-333 b NaN  
## pl\_nameKepler-333 c NaN  
## pl\_nameKepler-334 b NaN  
## pl\_nameKepler-334 c NaN  
## pl\_nameKepler-334 d NaN  
## pl\_nameKepler-335 b NaN  
## pl\_nameKepler-335 c NaN  
## pl\_nameKepler-336 b NaN  
## pl\_nameKepler-336 c NaN  
## pl\_nameKepler-336 d NaN  
## pl\_nameKepler-337 b NaN  
## pl\_nameKepler-337 c NaN  
## pl\_nameKepler-338 b NaN  
## pl\_nameKepler-338 c NaN  
## pl\_nameKepler-338 d NaN  
## pl\_nameKepler-338 e NaN  
## pl\_nameKepler-339 b NaN  
## pl\_nameKepler-339 c NaN  
## pl\_nameKepler-339 d NaN  
## pl\_nameKepler-34 b NaN  
## pl\_nameKepler-340 b NaN  
## pl\_nameKepler-340 c NaN  
## pl\_nameKepler-341 b NaN  
## pl\_nameKepler-341 c NaN  
## pl\_nameKepler-341 d NaN  
## pl\_nameKepler-341 e NaN  
## pl\_nameKepler-342 b NaN  
## pl\_nameKepler-342 c NaN  
## pl\_nameKepler-342 d NaN  
## pl\_nameKepler-342 e NaN  
## pl\_nameKepler-343 b NaN  
## pl\_nameKepler-343 c NaN  
## pl\_nameKepler-344 b NaN  
## pl\_nameKepler-344 c NaN  
## pl\_nameKepler-345 b NaN  
## pl\_nameKepler-345 c NaN  
## pl\_nameKepler-346 b NaN  
## pl\_nameKepler-346 c NaN  
## pl\_nameKepler-347 b NaN  
## pl\_nameKepler-347 c NaN  
## pl\_nameKepler-347 d NaN  
## pl\_nameKepler-348 b NaN  
## pl\_nameKepler-348 c NaN  
## pl\_nameKepler-349 b NaN  
## pl\_nameKepler-349 c NaN  
## pl\_nameKepler-35 b NaN  
## pl\_nameKepler-350 b NaN  
## pl\_nameKepler-350 c NaN  
## pl\_nameKepler-350 d NaN  
## pl\_nameKepler-351 b NaN  
## pl\_nameKepler-351 c NaN  
## pl\_nameKepler-351 d NaN  
## pl\_nameKepler-352 b NaN  
## pl\_nameKepler-352 c NaN  
## pl\_nameKepler-352 d NaN  
## pl\_nameKepler-353 b NaN  
## pl\_nameKepler-353 c NaN  
## pl\_nameKepler-354 b NaN  
## pl\_nameKepler-354 c NaN  
## pl\_nameKepler-354 d NaN  
## pl\_nameKepler-355 b NaN  
## pl\_nameKepler-355 c NaN  
## pl\_nameKepler-356 b NaN  
## pl\_nameKepler-356 c NaN  
## pl\_nameKepler-357 b NaN  
## pl\_nameKepler-357 c NaN  
## pl\_nameKepler-357 d NaN  
## pl\_nameKepler-358 b NaN  
## pl\_nameKepler-358 c NaN  
## pl\_nameKepler-359 b NaN  
## pl\_nameKepler-359 c NaN  
## pl\_nameKepler-359 d NaN  
## pl\_nameKepler-36 b NaN  
## pl\_nameKepler-36 c NaN  
## pl\_nameKepler-360 b NaN  
## pl\_nameKepler-360 c NaN  
## pl\_nameKepler-361 b NaN  
## pl\_nameKepler-361 c NaN  
## pl\_nameKepler-362 b NaN  
## pl\_nameKepler-362 c NaN  
## pl\_nameKepler-363 b NaN  
## pl\_nameKepler-363 c NaN  
## pl\_nameKepler-363 d NaN  
## pl\_nameKepler-364 b NaN  
## pl\_nameKepler-364 c NaN  
## pl\_nameKepler-366 b NaN  
## pl\_nameKepler-366 c NaN  
## pl\_nameKepler-367 b NaN  
## pl\_nameKepler-367 c NaN  
## pl\_nameKepler-368 b NaN  
## pl\_nameKepler-368 c NaN  
## pl\_nameKepler-369 b NaN  
## pl\_nameKepler-369 c NaN  
## pl\_nameKepler-37 b NaN  
## pl\_nameKepler-37 c NaN  
## pl\_nameKepler-37 d NaN  
## pl\_nameKepler-370 b NaN  
## pl\_nameKepler-370 c NaN  
## pl\_nameKepler-371 b NaN  
## pl\_nameKepler-371 c NaN  
## pl\_nameKepler-372 b NaN  
## pl\_nameKepler-372 c NaN  
## pl\_nameKepler-372 d NaN  
## pl\_nameKepler-373 b NaN  
## pl\_nameKepler-373 c NaN  
## pl\_nameKepler-374 b NaN  
## pl\_nameKepler-374 c NaN  
## pl\_nameKepler-374 d NaN  
## pl\_nameKepler-375 b NaN  
## pl\_nameKepler-375 c NaN  
## pl\_nameKepler-376 b NaN  
## pl\_nameKepler-376 c NaN  
## pl\_nameKepler-377 b NaN  
## pl\_nameKepler-377 c NaN  
## pl\_nameKepler-378 b NaN  
## pl\_nameKepler-378 c NaN  
## pl\_nameKepler-379 b NaN  
## pl\_nameKepler-379 c NaN  
## pl\_nameKepler-380 b NaN  
## pl\_nameKepler-380 c NaN  
## pl\_nameKepler-381 b NaN  
## pl\_nameKepler-381 c NaN  
## pl\_nameKepler-381 d NaN  
## pl\_nameKepler-382 b NaN  
## pl\_nameKepler-382 c NaN  
## pl\_nameKepler-383 b NaN  
## pl\_nameKepler-383 c NaN  
## pl\_nameKepler-384 b NaN  
## pl\_nameKepler-384 c NaN  
## pl\_nameKepler-385 b NaN  
## pl\_nameKepler-385 c NaN  
## pl\_nameKepler-385 d NaN  
## pl\_nameKepler-386 b NaN  
## pl\_nameKepler-386 c NaN  
## pl\_nameKepler-387 b NaN  
## pl\_nameKepler-387 c NaN  
## pl\_nameKepler-388 b NaN  
## pl\_nameKepler-388 c NaN  
## pl\_nameKepler-389 b NaN  
## pl\_nameKepler-389 c NaN  
## pl\_nameKepler-39 b NaN  
## pl\_nameKepler-390 b NaN  
## pl\_nameKepler-390 c NaN  
## pl\_nameKepler-391 b NaN  
## pl\_nameKepler-391 c NaN  
## pl\_nameKepler-392 b NaN  
## pl\_nameKepler-392 c NaN  
## pl\_nameKepler-393 b NaN  
## pl\_nameKepler-393 c NaN  
## pl\_nameKepler-394 b NaN  
## pl\_nameKepler-394 c NaN  
## pl\_nameKepler-394 d NaN  
## pl\_nameKepler-395 b NaN  
## pl\_nameKepler-395 c NaN  
## pl\_nameKepler-396 b NaN  
## pl\_nameKepler-396 c NaN  
## pl\_nameKepler-398 b NaN  
## pl\_nameKepler-398 c NaN  
## pl\_nameKepler-398 d NaN  
## pl\_nameKepler-399 b NaN  
## pl\_nameKepler-399 c NaN  
## pl\_nameKepler-399 d NaN  
## pl\_nameKepler-4 b NaN  
## pl\_nameKepler-40 b NaN  
## pl\_nameKepler-400 b NaN  
## pl\_nameKepler-400 c NaN  
## pl\_nameKepler-401 b NaN  
## pl\_nameKepler-401 c NaN  
## pl\_nameKepler-401 d NaN  
## pl\_nameKepler-402 b NaN  
## pl\_nameKepler-402 c NaN  
## pl\_nameKepler-402 d NaN  
## pl\_nameKepler-402 e NaN  
## pl\_nameKepler-403 b NaN  
## pl\_nameKepler-403 c NaN  
## pl\_nameKepler-403 d NaN  
## pl\_nameKepler-404 b NaN  
## pl\_nameKepler-404 c NaN  
## pl\_nameKepler-405 b NaN  
## pl\_nameKepler-405 c NaN  
## pl\_nameKepler-406 b NaN  
## pl\_nameKepler-406 c NaN  
## pl\_nameKepler-409 b NaN  
## pl\_nameKepler-41 b NaN  
## pl\_nameKepler-410 A b NaN  
## pl\_nameKepler-411 b NaN  
## pl\_nameKepler-411 c NaN  
## pl\_nameKepler-411 d NaN  
## pl\_nameKepler-411 e NaN  
## pl\_nameKepler-412 b NaN  
## pl\_nameKepler-413 b NaN  
## pl\_nameKepler-414 b NaN  
## pl\_nameKepler-414 c NaN  
## pl\_nameKepler-415 b NaN  
## pl\_nameKepler-415 c NaN  
## pl\_nameKepler-416 b NaN  
## pl\_nameKepler-416 c NaN  
## pl\_nameKepler-416 d NaN  
## pl\_nameKepler-417 b NaN  
## pl\_nameKepler-417 c NaN  
## pl\_nameKepler-418 c NaN  
## pl\_nameKepler-419 b NaN  
## pl\_nameKepler-419 c NaN  
## pl\_nameKepler-42 b NaN  
## pl\_nameKepler-42 c NaN  
## pl\_nameKepler-42 d NaN  
## pl\_nameKepler-421 b NaN  
## pl\_nameKepler-422 b NaN  
## pl\_nameKepler-423 b NaN  
## pl\_nameKepler-424 b NaN  
## pl\_nameKepler-425 b NaN  
## pl\_nameKepler-426 b NaN  
## pl\_nameKepler-427 b NaN  
## pl\_nameKepler-428 b NaN  
## pl\_nameKepler-43 b NaN  
## pl\_nameKepler-430 b NaN  
## pl\_nameKepler-430 c NaN  
## pl\_nameKepler-431 b NaN  
## pl\_nameKepler-431 c NaN  
## pl\_nameKepler-431 d NaN  
## pl\_nameKepler-432 b NaN  
## pl\_nameKepler-433 b NaN  
## pl\_nameKepler-434 b NaN  
## pl\_nameKepler-435 b NaN  
## pl\_nameKepler-436 b NaN  
## pl\_nameKepler-436 c NaN  
## pl\_nameKepler-437 b NaN  
## pl\_nameKepler-438 b NaN  
## pl\_nameKepler-439 b NaN  
## pl\_nameKepler-44 b NaN  
## pl\_nameKepler-440 b NaN  
## pl\_nameKepler-441 b NaN  
## pl\_nameKepler-442 b NaN  
## pl\_nameKepler-443 b NaN  
## pl\_nameKepler-444 b NaN  
## pl\_nameKepler-444 c NaN  
## pl\_nameKepler-444 d NaN  
## pl\_nameKepler-444 e NaN  
## pl\_nameKepler-444 f NaN  
## pl\_nameKepler-445 b NaN  
## pl\_nameKepler-445 c NaN  
## pl\_nameKepler-445 d NaN  
## pl\_nameKepler-446 b NaN  
## pl\_nameKepler-446 c NaN  
## pl\_nameKepler-446 d NaN  
## pl\_nameKepler-447 b NaN  
## pl\_nameKepler-448 c NaN  
## pl\_nameKepler-449 b NaN  
## pl\_nameKepler-449 c NaN  
## pl\_nameKepler-45 b NaN  
## pl\_nameKepler-450 b NaN  
## pl\_nameKepler-450 c NaN  
## pl\_nameKepler-450 d NaN  
## pl\_nameKepler-452 b NaN  
## pl\_nameKepler-454 b NaN  
## pl\_nameKepler-454 c NaN  
## pl\_nameKepler-454 d NaN  
## pl\_nameKepler-457 d NaN  
## pl\_nameKepler-458 c NaN  
## pl\_nameKepler-46 b NaN  
## pl\_nameKepler-46 c NaN  
## pl\_nameKepler-46 d NaN  
## pl\_nameKepler-460 c NaN  
## pl\_nameKepler-461 b NaN  
## pl\_nameKepler-462 b NaN  
## pl\_nameKepler-462 c NaN  
## pl\_nameKepler-463 b NaN  
## pl\_nameKepler-464 b NaN  
## pl\_nameKepler-465 b NaN  
## pl\_nameKepler-466 b NaN  
## pl\_nameKepler-466 c NaN  
## pl\_nameKepler-467 b NaN  
## pl\_nameKepler-47 b NaN  
## pl\_nameKepler-47 c NaN  
## pl\_nameKepler-47 d NaN  
## pl\_nameKepler-470 b NaN  
## pl\_nameKepler-471 b NaN  
## pl\_nameKepler-472 b NaN  
## pl\_nameKepler-473 b NaN  
## pl\_nameKepler-474 b NaN  
## pl\_nameKepler-475 b NaN  
## pl\_nameKepler-476 b NaN  
## pl\_nameKepler-478 b NaN  
## pl\_nameKepler-479 b NaN  
## pl\_nameKepler-48 b NaN  
## pl\_nameKepler-48 c NaN  
## pl\_nameKepler-48 d NaN  
## pl\_nameKepler-480 b NaN  
## pl\_nameKepler-481 b NaN  
## pl\_nameKepler-482 b NaN  
## pl\_nameKepler-483 b NaN  
## pl\_nameKepler-484 b NaN  
## pl\_nameKepler-485 b NaN  
## pl\_nameKepler-487 c NaN  
## pl\_nameKepler-487 d NaN  
## pl\_nameKepler-488 b NaN  
## pl\_nameKepler-489 b NaN  
## pl\_nameKepler-49 b NaN  
## pl\_nameKepler-49 c NaN  
## pl\_nameKepler-49 d NaN  
## pl\_nameKepler-49 e NaN  
## pl\_nameKepler-491 b NaN  
## pl\_nameKepler-493 b NaN  
## pl\_nameKepler-494 b NaN  
## pl\_nameKepler-495 b NaN  
## pl\_nameKepler-495 c NaN  
## pl\_nameKepler-496 b NaN  
## pl\_nameKepler-497 b NaN  
## pl\_nameKepler-498 b NaN  
## pl\_nameKepler-499 b NaN  
## pl\_nameKepler-5 b NaN  
## pl\_nameKepler-500 b NaN  
## pl\_nameKepler-501 b NaN  
## pl\_nameKepler-501 c NaN  
## pl\_nameKepler-502 b NaN  
## pl\_nameKepler-504 b NaN  
## pl\_nameKepler-505 b NaN  
## pl\_nameKepler-506 b NaN  
## pl\_nameKepler-507 b NaN  
## pl\_nameKepler-508 b NaN  
## pl\_nameKepler-509 b NaN  
## pl\_nameKepler-51 b NaN  
## pl\_nameKepler-51 c NaN  
## pl\_nameKepler-51 d NaN  
## pl\_nameKepler-510 b NaN  
## pl\_nameKepler-511 b NaN  
## pl\_nameKepler-511 c NaN  
## pl\_nameKepler-512 b NaN  
## pl\_nameKepler-513 b NaN  
## pl\_nameKepler-514 b NaN  
## pl\_nameKepler-516 b NaN  
## pl\_nameKepler-517 b NaN  
## pl\_nameKepler-518 b NaN  
## pl\_nameKepler-519 b NaN  
## pl\_nameKepler-52 d NaN  
## pl\_nameKepler-520 b NaN  
## pl\_nameKepler-520 c NaN  
## pl\_nameKepler-521 b NaN  
## pl\_nameKepler-522 b NaN  
## pl\_nameKepler-523 b NaN  
## pl\_nameKepler-524 b NaN  
## pl\_nameKepler-524 c NaN  
## pl\_nameKepler-525 b NaN  
## pl\_nameKepler-526 b NaN  
## pl\_nameKepler-527 b NaN  
## pl\_nameKepler-528 b NaN  
## pl\_nameKepler-529 b NaN  
## pl\_nameKepler-529 c NaN  
## pl\_nameKepler-529 d NaN  
## pl\_nameKepler-53 d NaN  
## pl\_nameKepler-530 b NaN  
## pl\_nameKepler-531 b NaN  
## pl\_nameKepler-532 b NaN  
## pl\_nameKepler-533 b NaN  
## pl\_nameKepler-534 b NaN  
## pl\_nameKepler-534 c NaN  
## pl\_nameKepler-535 b NaN  
## pl\_nameKepler-536 b NaN  
## pl\_nameKepler-537 b NaN  
## pl\_nameKepler-538 b NaN  
## pl\_nameKepler-539 b NaN  
## pl\_nameKepler-539 c NaN  
## pl\_nameKepler-54 b NaN  
## pl\_nameKepler-54 c NaN  
## pl\_nameKepler-54 d NaN  
## pl\_nameKepler-540 b NaN  
## pl\_nameKepler-541 b NaN  
## pl\_nameKepler-542 b NaN  
## pl\_nameKepler-543 b NaN  
## pl\_nameKepler-544 b NaN  
## pl\_nameKepler-545 b NaN  
## pl\_nameKepler-546 b NaN  
## pl\_nameKepler-547 b NaN  
## pl\_nameKepler-549 b NaN  
## pl\_nameKepler-549 c NaN  
## pl\_nameKepler-549 d NaN  
## pl\_nameKepler-55 b NaN  
## pl\_nameKepler-55 c NaN  
## pl\_nameKepler-55 d NaN  
## pl\_nameKepler-55 e NaN  
## pl\_nameKepler-55 f NaN  
## pl\_nameKepler-550 b NaN  
## pl\_nameKepler-551 b NaN  
## pl\_nameKepler-552 b NaN  
## pl\_nameKepler-553 b NaN  
## pl\_nameKepler-554 b NaN  
## pl\_nameKepler-555 b NaN  
## pl\_nameKepler-556 b NaN  
## pl\_nameKepler-557 b NaN  
## pl\_nameKepler-558 b NaN  
## pl\_nameKepler-559 b NaN  
## pl\_nameKepler-56 b NaN  
## pl\_nameKepler-56 c NaN  
## pl\_nameKepler-56 d NaN  
## pl\_nameKepler-560 b NaN  
## pl\_nameKepler-561 b NaN  
## pl\_nameKepler-561 c NaN  
## pl\_nameKepler-562 b NaN  
## pl\_nameKepler-563 b NaN  
## pl\_nameKepler-564 b NaN  
## pl\_nameKepler-566 b NaN  
## pl\_nameKepler-567 b NaN  
## pl\_nameKepler-568 b NaN  
## pl\_nameKepler-569 b NaN  
## pl\_nameKepler-570 b NaN  
## pl\_nameKepler-571 b NaN  
## pl\_nameKepler-572 b NaN  
## pl\_nameKepler-573 b NaN  
## pl\_nameKepler-574 b NaN  
## pl\_nameKepler-575 b NaN  
## pl\_nameKepler-576 b NaN  
## pl\_nameKepler-577 b NaN  
## pl\_nameKepler-578 b NaN  
## pl\_nameKepler-579 b NaN  
## pl\_nameKepler-58 d NaN  
## pl\_nameKepler-58 e NaN  
## pl\_nameKepler-580 b NaN  
## pl\_nameKepler-581 b NaN  
## pl\_nameKepler-582 b NaN  
## pl\_nameKepler-583 b NaN  
## pl\_nameKepler-584 b NaN  
## pl\_nameKepler-585 b NaN  
## pl\_nameKepler-586 b NaN  
## pl\_nameKepler-587 b NaN  
## pl\_nameKepler-588 b NaN  
## pl\_nameKepler-589 b NaN  
## pl\_nameKepler-589 c NaN  
## pl\_nameKepler-59 b NaN  
## pl\_nameKepler-59 c NaN  
## pl\_nameKepler-590 b NaN  
## pl\_nameKepler-591 b NaN  
## pl\_nameKepler-592 b NaN  
## pl\_nameKepler-593 b NaN  
## pl\_nameKepler-594 b NaN  
## pl\_nameKepler-595 b NaN  
## pl\_nameKepler-595 c NaN  
## pl\_nameKepler-596 b NaN  
## pl\_nameKepler-597 b NaN  
## pl\_nameKepler-598 b NaN  
## pl\_nameKepler-598 c NaN  
## pl\_nameKepler-599 b NaN  
## pl\_nameKepler-6 b NaN  
## pl\_nameKepler-60 b NaN  
## pl\_nameKepler-60 c NaN  
## pl\_nameKepler-60 d NaN  
## pl\_nameKepler-600 b NaN  
## pl\_nameKepler-601 b NaN  
## pl\_nameKepler-602 b NaN  
## pl\_nameKepler-603 b NaN  
## pl\_nameKepler-603 c NaN  
## pl\_nameKepler-603 d NaN  
## pl\_nameKepler-604 b NaN  
## pl\_nameKepler-605 b NaN  
## pl\_nameKepler-605 c NaN  
## pl\_nameKepler-606 b NaN  
## pl\_nameKepler-607 b NaN  
## pl\_nameKepler-607 c NaN  
## pl\_nameKepler-608 b NaN  
## pl\_nameKepler-609 b NaN  
## pl\_nameKepler-61 b NaN  
## pl\_nameKepler-610 b NaN  
## pl\_nameKepler-610 c NaN  
## pl\_nameKepler-611 b NaN  
## pl\_nameKepler-612 b NaN  
## pl\_nameKepler-613 b NaN  
## pl\_nameKepler-614 b NaN  
## pl\_nameKepler-615 b NaN  
## pl\_nameKepler-616 b NaN  
## pl\_nameKepler-616 c NaN  
## pl\_nameKepler-616 d NaN  
## pl\_nameKepler-617 b NaN  
## pl\_nameKepler-618 b NaN  
## pl\_nameKepler-618 d NaN  
## pl\_nameKepler-619 b NaN  
## pl\_nameKepler-619 c NaN  
## pl\_nameKepler-620 b NaN  
## pl\_nameKepler-621 b NaN  
## pl\_nameKepler-622 b NaN  
## pl\_nameKepler-623 b NaN  
## pl\_nameKepler-624 b NaN  
## pl\_nameKepler-625 b NaN  
## pl\_nameKepler-625 c NaN  
## pl\_nameKepler-626 b NaN  
## pl\_nameKepler-627 b NaN  
## pl\_nameKepler-628 b NaN  
## pl\_nameKepler-629 b NaN  
## pl\_nameKepler-63 b NaN  
## pl\_nameKepler-630 b NaN  
## pl\_nameKepler-631 b NaN  
## pl\_nameKepler-634 b NaN  
## pl\_nameKepler-635 b NaN  
## pl\_nameKepler-637 b NaN  
## pl\_nameKepler-638 b NaN  
## pl\_nameKepler-639 b NaN  
## pl\_nameKepler-640 b NaN  
## pl\_nameKepler-641 b NaN  
## pl\_nameKepler-642 b NaN  
## pl\_nameKepler-643 b NaN  
## pl\_nameKepler-644 b NaN  
## pl\_nameKepler-645 b NaN  
## pl\_nameKepler-646 b NaN  
## pl\_nameKepler-647 b NaN  
## pl\_nameKepler-647 c NaN  
## pl\_nameKepler-648 b NaN  
## pl\_nameKepler-649 b NaN  
## pl\_nameKepler-65 b NaN  
## pl\_nameKepler-65 c NaN  
## pl\_nameKepler-65 d NaN  
## pl\_nameKepler-650 b NaN  
## pl\_nameKepler-651 b NaN  
## pl\_nameKepler-652 b NaN  
## pl\_nameKepler-653 b NaN  
## pl\_nameKepler-653 c NaN  
## pl\_nameKepler-654 b NaN  
## pl\_nameKepler-655 b NaN  
## pl\_nameKepler-656 b NaN  
## pl\_nameKepler-656 c NaN  
## pl\_nameKepler-657 b NaN  
## pl\_nameKepler-658 b NaN  
## pl\_nameKepler-659 b NaN  
## pl\_nameKepler-66 b NaN  
## pl\_nameKepler-660 b NaN  
## pl\_nameKepler-661 b NaN  
## pl\_nameKepler-662 b NaN  
## pl\_nameKepler-663 b NaN  
## pl\_nameKepler-664 b NaN  
## pl\_nameKepler-665 b NaN  
## pl\_nameKepler-666 b NaN  
## pl\_nameKepler-667 b NaN  
## pl\_nameKepler-668 b NaN  
## pl\_nameKepler-669 b NaN  
## pl\_nameKepler-67 b NaN  
## pl\_nameKepler-671 b NaN  
## pl\_nameKepler-672 b NaN  
## pl\_nameKepler-673 b NaN  
## pl\_nameKepler-674 b NaN  
## pl\_nameKepler-675 b NaN  
## pl\_nameKepler-676 b NaN  
## pl\_nameKepler-677 b NaN  
## pl\_nameKepler-678 b NaN  
## pl\_nameKepler-679 b NaN  
## pl\_nameKepler-68 b NaN  
## pl\_nameKepler-68 c NaN  
## pl\_nameKepler-68 d NaN  
## pl\_nameKepler-68 e NaN  
## pl\_nameKepler-680 b NaN  
## pl\_nameKepler-681 b NaN  
## pl\_nameKepler-682 b NaN  
## pl\_nameKepler-683 b NaN  
## pl\_nameKepler-684 b NaN  
## pl\_nameKepler-685 b NaN  
## pl\_nameKepler-687 b NaN  
## pl\_nameKepler-688 b NaN  
## pl\_nameKepler-689 b NaN  
## pl\_nameKepler-69 b NaN  
## pl\_nameKepler-69 c NaN  
## pl\_nameKepler-690 b NaN  
## pl\_nameKepler-691 b NaN  
## pl\_nameKepler-692 b NaN  
## pl\_nameKepler-693 b NaN  
## pl\_nameKepler-694 b NaN  
## pl\_nameKepler-695 b NaN  
## pl\_nameKepler-696 b NaN  
## pl\_nameKepler-697 b NaN  
## pl\_nameKepler-698 b NaN  
## pl\_nameKepler-7 b NaN  
## pl\_nameKepler-700 b NaN  
## pl\_nameKepler-701 b NaN  
## pl\_nameKepler-702 b NaN  
## pl\_nameKepler-703 b NaN  
## pl\_nameKepler-704 b NaN  
## pl\_nameKepler-705 b NaN  
## pl\_nameKepler-707 b NaN  
## pl\_nameKepler-708 b NaN  
## pl\_nameKepler-709 b NaN  
## pl\_nameKepler-710 b NaN  
## pl\_nameKepler-711 b NaN  
## pl\_nameKepler-712 b NaN  
## pl\_nameKepler-712 c NaN  
## pl\_nameKepler-713 b NaN  
## pl\_nameKepler-714 b NaN  
## pl\_nameKepler-715 b NaN  
## pl\_nameKepler-716 b NaN  
## pl\_nameKepler-716 c NaN  
## pl\_nameKepler-717 b NaN  
## pl\_nameKepler-718 b NaN  
## pl\_nameKepler-719 b NaN  
## pl\_nameKepler-720 b NaN  
## pl\_nameKepler-721 b NaN  
## pl\_nameKepler-722 b NaN  
## pl\_nameKepler-722 c NaN  
## pl\_nameKepler-724 b NaN  
## pl\_nameKepler-725 b NaN  
## pl\_nameKepler-726 b NaN  
## pl\_nameKepler-727 b NaN  
## pl\_nameKepler-728 b NaN  
## pl\_nameKepler-729 b NaN  
## pl\_nameKepler-730 c NaN  
## pl\_nameKepler-732 b NaN  
## pl\_nameKepler-732 c NaN  
## pl\_nameKepler-733 b NaN  
## pl\_nameKepler-734 b NaN  
## pl\_nameKepler-735 b NaN  
## pl\_nameKepler-736 b NaN  
## pl\_nameKepler-737 b NaN  
## pl\_nameKepler-738 b NaN  
## pl\_nameKepler-739 b NaN  
## pl\_nameKepler-74 b NaN  
## pl\_nameKepler-740 b NaN  
## pl\_nameKepler-741 b NaN  
## pl\_nameKepler-742 b NaN  
## pl\_nameKepler-743 b NaN  
## pl\_nameKepler-744 b NaN  
## pl\_nameKepler-745 b NaN  
## pl\_nameKepler-746 b NaN  
## pl\_nameKepler-747 b NaN  
## pl\_nameKepler-748 b NaN  
## pl\_nameKepler-749 b NaN  
## pl\_nameKepler-75 b NaN  
## pl\_nameKepler-750 b NaN  
## pl\_nameKepler-750 c NaN  
## pl\_nameKepler-751 b NaN  
## pl\_nameKepler-752 b NaN  
## pl\_nameKepler-753 b NaN  
## pl\_nameKepler-754 b NaN  
## pl\_nameKepler-755 b NaN  
## pl\_nameKepler-755 c NaN  
## pl\_nameKepler-756 b NaN  
## pl\_nameKepler-757 b NaN  
## pl\_nameKepler-758 b NaN  
## pl\_nameKepler-758 c NaN  
## pl\_nameKepler-758 d NaN  
## pl\_nameKepler-758 e NaN  
## pl\_nameKepler-759 b NaN  
## pl\_nameKepler-76 b NaN  
## pl\_nameKepler-760 b NaN  
## pl\_nameKepler-760 c NaN  
## pl\_nameKepler-761 b NaN  
## pl\_nameKepler-763 b NaN  
## pl\_nameKepler-763 c NaN  
## pl\_nameKepler-763 d NaN  
## pl\_nameKepler-764 b NaN  
## pl\_nameKepler-765 b NaN  
## pl\_nameKepler-766 b NaN  
## pl\_nameKepler-767 b NaN  
## pl\_nameKepler-768 b NaN  
## pl\_nameKepler-769 b NaN  
## pl\_nameKepler-769 c NaN  
## pl\_nameKepler-77 b NaN  
## pl\_nameKepler-770 b NaN  
## pl\_nameKepler-770 c NaN  
## pl\_nameKepler-770 d NaN  
## pl\_nameKepler-771 b NaN  
## pl\_nameKepler-772 b NaN  
## pl\_nameKepler-773 b NaN  
## pl\_nameKepler-774 b NaN  
## pl\_nameKepler-775 b NaN  
## pl\_nameKepler-776 b NaN  
## pl\_nameKepler-777 b NaN  
## pl\_nameKepler-778 b NaN  
## pl\_nameKepler-779 b NaN  
## pl\_nameKepler-78 b NaN  
## pl\_nameKepler-780 b NaN  
## pl\_nameKepler-781 b NaN  
## pl\_nameKepler-782 b NaN  
## pl\_nameKepler-783 b NaN  
## pl\_nameKepler-783 c NaN  
## pl\_nameKepler-784 b NaN  
## pl\_nameKepler-784 c NaN  
## pl\_nameKepler-786 b NaN  
## pl\_nameKepler-787 b NaN  
## pl\_nameKepler-788 b NaN  
## pl\_nameKepler-789 b NaN  
## pl\_nameKepler-79 b NaN  
## pl\_nameKepler-79 c NaN  
## pl\_nameKepler-79 d NaN  
## pl\_nameKepler-79 e NaN  
## pl\_nameKepler-790 b NaN  
## pl\_nameKepler-791 b NaN  
## pl\_nameKepler-792 b NaN  
## pl\_nameKepler-793 b NaN  
## pl\_nameKepler-794 b NaN  
## pl\_nameKepler-795 b NaN  
## pl\_nameKepler-796 b NaN  
## pl\_nameKepler-797 b NaN  
## pl\_nameKepler-798 b NaN  
## pl\_nameKepler-8 b NaN  
## pl\_nameKepler-80 b NaN  
## pl\_nameKepler-80 c NaN  
## pl\_nameKepler-80 d NaN  
## pl\_nameKepler-80 e NaN  
## pl\_nameKepler-80 f NaN  
## pl\_nameKepler-800 b NaN  
## pl\_nameKepler-801 b NaN  
## pl\_nameKepler-802 b NaN  
## pl\_nameKepler-803 b NaN  
## pl\_nameKepler-804 b NaN  
## pl\_nameKepler-804 c NaN  
## pl\_nameKepler-805 b NaN  
## pl\_nameKepler-806 b NaN  
## pl\_nameKepler-807 b NaN  
## pl\_nameKepler-808 b NaN  
## pl\_nameKepler-809 b NaN  
## pl\_nameKepler-81 b NaN  
## pl\_nameKepler-81 c NaN  
## pl\_nameKepler-81 d NaN  
## pl\_nameKepler-810 b NaN  
## pl\_nameKepler-811 b NaN  
## pl\_nameKepler-812 b NaN  
## pl\_nameKepler-813 b NaN  
## pl\_nameKepler-814 b NaN  
## pl\_nameKepler-815 b NaN  
## pl\_nameKepler-816 b NaN  
## pl\_nameKepler-817 b NaN  
## pl\_nameKepler-818 b NaN  
## pl\_nameKepler-819 b NaN  
## pl\_nameKepler-82 b NaN  
## pl\_nameKepler-82 c NaN  
## pl\_nameKepler-82 d NaN  
## pl\_nameKepler-82 e NaN  
## pl\_nameKepler-82 f NaN  
## pl\_nameKepler-820 b NaN  
## pl\_nameKepler-821 b NaN  
## pl\_nameKepler-822 b NaN  
## pl\_nameKepler-823 b NaN  
## pl\_nameKepler-824 b NaN  
## pl\_nameKepler-825 b NaN  
## pl\_nameKepler-825 c NaN  
## pl\_nameKepler-826 b NaN  
## pl\_nameKepler-827 b NaN  
## pl\_nameKepler-828 b NaN  
## pl\_nameKepler-829 b NaN  
## pl\_nameKepler-83 b NaN  
## pl\_nameKepler-83 c NaN  
## pl\_nameKepler-83 d NaN  
## pl\_nameKepler-830 b NaN  
## pl\_nameKepler-831 b NaN  
## pl\_nameKepler-832 b NaN  
## pl\_nameKepler-833 b NaN  
## pl\_nameKepler-834 b NaN  
## pl\_nameKepler-835 b NaN  
## pl\_nameKepler-836 b NaN  
## pl\_nameKepler-837 b NaN  
## pl\_nameKepler-838 b NaN  
## pl\_nameKepler-839 b NaN  
## pl\_nameKepler-84 b NaN  
## pl\_nameKepler-84 c NaN  
## pl\_nameKepler-84 d NaN  
## pl\_nameKepler-84 e NaN  
## pl\_nameKepler-84 f NaN  
## pl\_nameKepler-841 b NaN  
## pl\_nameKepler-842 b NaN  
## pl\_nameKepler-843 b NaN  
## pl\_nameKepler-844 b NaN  
## pl\_nameKepler-845 b NaN  
## pl\_nameKepler-846 b NaN  
## pl\_nameKepler-847 b NaN  
## pl\_nameKepler-848 b NaN  
## pl\_nameKepler-849 b NaN  
## pl\_nameKepler-85 b NaN  
## pl\_nameKepler-85 c NaN  
## pl\_nameKepler-85 d NaN  
## pl\_nameKepler-85 e NaN  
## pl\_nameKepler-850 b NaN  
## pl\_nameKepler-851 b NaN  
## pl\_nameKepler-852 b NaN  
## pl\_nameKepler-853 b NaN  
## pl\_nameKepler-855 b NaN  
## pl\_nameKepler-856 b NaN  
## pl\_nameKepler-857 b NaN  
## pl\_nameKepler-858 b NaN  
## pl\_nameKepler-859 b NaN  
## pl\_nameKepler-860 b NaN  
## pl\_nameKepler-861 b NaN  
## pl\_nameKepler-862 b NaN  
## pl\_nameKepler-863 b NaN  
## pl\_nameKepler-864 b NaN  
## pl\_nameKepler-864 c NaN  
## pl\_nameKepler-865 b NaN  
## pl\_nameKepler-865 c NaN  
## pl\_nameKepler-866 b NaN  
## pl\_nameKepler-867 b NaN  
## pl\_nameKepler-868 b NaN  
## pl\_nameKepler-869 b NaN  
## pl\_nameKepler-87 b NaN  
## pl\_nameKepler-87 c NaN  
## pl\_nameKepler-870 b NaN  
## pl\_nameKepler-871 b NaN  
## pl\_nameKepler-872 b NaN  
## pl\_nameKepler-873 b NaN  
## pl\_nameKepler-874 b NaN  
## pl\_nameKepler-875 b NaN  
## pl\_nameKepler-876 b NaN  
## pl\_nameKepler-877 b NaN  
## pl\_nameKepler-878 b NaN  
## pl\_nameKepler-879 b NaN  
## pl\_nameKepler-880 b NaN  
## pl\_nameKepler-880 c NaN  
## pl\_nameKepler-881 b NaN  
## pl\_nameKepler-882 b NaN  
## pl\_nameKepler-883 b NaN  
## pl\_nameKepler-884 b NaN  
## pl\_nameKepler-885 b NaN  
## pl\_nameKepler-886 b NaN  
## pl\_nameKepler-887 b NaN  
## pl\_nameKepler-887 c NaN  
## pl\_nameKepler-888 b NaN  
## pl\_nameKepler-889 b NaN  
## pl\_nameKepler-890 b NaN  
## pl\_nameKepler-891 b NaN  
## pl\_nameKepler-892 b NaN  
## pl\_nameKepler-893 b NaN  
## pl\_nameKepler-894 b NaN  
## pl\_nameKepler-895 b NaN  
## pl\_nameKepler-896 b NaN  
## pl\_nameKepler-896 c NaN  
## pl\_nameKepler-897 b NaN  
## pl\_nameKepler-898 b NaN  
## pl\_nameKepler-899 b NaN  
## pl\_nameKepler-9 b NaN  
## pl\_nameKepler-9 c NaN  
## pl\_nameKepler-9 d NaN  
## pl\_nameKepler-900 b NaN  
## pl\_nameKepler-901 b NaN  
## pl\_nameKepler-902 b NaN  
## pl\_nameKepler-903 b NaN  
## pl\_nameKepler-903 c NaN  
## pl\_nameKepler-904 b NaN  
## pl\_nameKepler-905 b NaN  
## pl\_nameKepler-906 b NaN  
## pl\_nameKepler-907 b NaN  
## pl\_nameKepler-908 b NaN  
## pl\_nameKepler-909 b NaN  
## pl\_nameKepler-91 b NaN  
## pl\_nameKepler-910 b NaN  
## pl\_nameKepler-911 b NaN  
## pl\_nameKepler-912 b NaN  
## pl\_nameKepler-913 b NaN  
## pl\_nameKepler-913 c NaN  
## pl\_nameKepler-914 b NaN  
## pl\_nameKepler-915 b NaN  
## pl\_nameKepler-916 b NaN  
## pl\_nameKepler-917 b NaN  
## pl\_nameKepler-918 b NaN  
## pl\_nameKepler-919 b NaN  
## pl\_nameKepler-92 b NaN  
## pl\_nameKepler-92 c NaN  
## pl\_nameKepler-92 d NaN  
## pl\_nameKepler-920 b NaN  
## pl\_nameKepler-920 c NaN  
## pl\_nameKepler-921 b NaN  
## pl\_nameKepler-922 b NaN  
## pl\_nameKepler-923 b NaN  
## pl\_nameKepler-924 b NaN  
## pl\_nameKepler-925 b NaN  
## pl\_nameKepler-926 b NaN  
## pl\_nameKepler-927 b NaN  
## pl\_nameKepler-928 b NaN  
## pl\_nameKepler-929 b NaN  
## pl\_nameKepler-93 b NaN  
## pl\_nameKepler-930 b NaN  
## pl\_nameKepler-931 b NaN  
## pl\_nameKepler-932 b NaN  
## pl\_nameKepler-933 b NaN  
## pl\_nameKepler-934 b NaN  
## pl\_nameKepler-935 b NaN  
## pl\_nameKepler-936 b NaN  
## pl\_nameKepler-937 b NaN  
## pl\_nameKepler-937 c NaN  
## pl\_nameKepler-939 b NaN  
## pl\_nameKepler-94 b NaN  
## pl\_nameKepler-940 b NaN  
## pl\_nameKepler-941 b NaN  
## pl\_nameKepler-942 b NaN  
## pl\_nameKepler-943 b NaN  
## pl\_nameKepler-944 b NaN  
## pl\_nameKepler-945 b NaN  
## pl\_nameKepler-946 b NaN  
## pl\_nameKepler-947 b NaN  
## pl\_nameKepler-948 b NaN  
## pl\_nameKepler-949 b NaN  
## pl\_nameKepler-949 c NaN  
## pl\_nameKepler-95 b NaN  
## pl\_nameKepler-950 b NaN  
## pl\_nameKepler-951 b NaN  
## pl\_nameKepler-952 b NaN  
## pl\_nameKepler-953 b NaN  
## pl\_nameKepler-953 c NaN  
## pl\_nameKepler-954 b NaN  
## pl\_nameKepler-955 b NaN  
## pl\_nameKepler-956 b NaN  
## pl\_nameKepler-957 b NaN  
## pl\_nameKepler-958 b NaN  
## pl\_nameKepler-959 b NaN  
## pl\_nameKepler-96 b NaN  
## pl\_nameKepler-960 b NaN  
## pl\_nameKepler-961 b NaN  
## pl\_nameKepler-962 b NaN  
## pl\_nameKepler-963 b NaN  
## pl\_nameKepler-964 b NaN  
## pl\_nameKepler-965 b NaN  
## pl\_nameKepler-966 b NaN  
## pl\_nameKepler-967 b NaN  
## pl\_nameKepler-967 c NaN  
## pl\_nameKepler-968 b NaN  
## pl\_nameKepler-968 c NaN  
## pl\_nameKepler-969 b NaN  
## pl\_nameKepler-969 c NaN  
## pl\_nameKepler-97 b NaN  
## pl\_nameKepler-970 b NaN  
## pl\_nameKepler-971 b NaN  
## pl\_nameKepler-972 b NaN  
## pl\_nameKepler-973 b NaN  
## pl\_nameKepler-974 b NaN  
## pl\_nameKepler-975 b NaN  
## pl\_nameKepler-975 c NaN  
## pl\_nameKepler-976 b NaN  
## pl\_nameKepler-977 b NaN  
## pl\_nameKepler-978 b NaN  
## pl\_nameKepler-979 b NaN  
## pl\_nameKepler-98 b NaN  
## pl\_nameKepler-980 b NaN  
## pl\_nameKepler-981 b NaN  
## pl\_nameKepler-982 b NaN  
## pl\_nameKepler-983 b NaN  
## pl\_nameKepler-984 b NaN  
## pl\_nameKepler-985 b NaN  
## pl\_nameKepler-986 b NaN  
## pl\_nameKepler-987 b NaN  
## pl\_nameKepler-988 b NaN  
## pl\_nameKepler-989 b NaN  
## pl\_nameKepler-99 b NaN  
## pl\_nameKepler-990 b NaN  
## pl\_nameKepler-990 c NaN  
## pl\_nameKepler-991 b NaN  
## pl\_nameKepler-992 b NaN  
## pl\_nameKepler-993 b NaN  
## pl\_nameKepler-994 b NaN  
## pl\_nameKepler-995 b NaN  
## pl\_nameKepler-996 b NaN  
## pl\_nameKepler-997 b NaN  
## pl\_nameKepler-998 b NaN  
## pl\_nameKepler-999 b NaN  
## pl\_nameKIC 3526061 b NaN  
## pl\_nameKIC 5095269 b NaN  
## pl\_nameKIC 5437945 b NaN  
## pl\_nameKIC 9663113 b NaN  
## pl\_nameKOI-12 b NaN  
## pl\_nameKOI-1257 b NaN  
## pl\_nameKOI-13 b NaN  
## pl\_nameKOI-142 b NaN  
## pl\_nameKOI-142 c NaN  
## pl\_nameKOI-1599.01 NaN  
## pl\_nameKOI-1599.02 NaN  
## pl\_nameKOI-1783.01 NaN  
## pl\_nameKOI-1783.02 NaN  
## pl\_nameKOI-1831 d NaN  
## pl\_nameKOI-1833 d NaN  
## pl\_nameKOI-3503 b NaN  
## pl\_nameKOI-3503 c NaN  
## pl\_nameKOI-351 b NaN  
## pl\_nameKOI-351 c NaN  
## pl\_nameKOI-351 d NaN  
## pl\_nameKOI-351 e NaN  
## pl\_nameKOI-351 f NaN  
## pl\_nameKOI-3680 b NaN  
## pl\_nameKOI-7368 b NaN  
## pl\_nameKOI-7913 b NaN  
## pl\_nameKOI-94 b NaN  
## pl\_nameKOI-94 c NaN  
## pl\_nameKOI-94 d NaN  
## pl\_nameKOI-94 e NaN  
## pl\_nameKPS-1 b NaN  
## pl\_nameL 168-9 b NaN  
## pl\_nameL 98-59 b NaN  
## pl\_nameL 98-59 c NaN  
## pl\_nameL 98-59 d NaN  
## pl\_nameL 98-59 e NaN  
## pl\_nameLHS 1140 b NaN  
## pl\_nameLHS 1140 c NaN  
## pl\_nameLHS 1678 b NaN  
## pl\_nameLHS 1678 c NaN  
## pl\_nameLHS 1815 b NaN  
## pl\_nameLP 714-47 b NaN  
## pl\_nameLP 791-18 b NaN  
## pl\_nameLP 791-18 c NaN  
## pl\_nameLP 791-18 d NaN  
## pl\_nameLSPM J2116+0234 b NaN  
## pl\_nameLTT 1445 A b NaN  
## pl\_nameLTT 1445 A c NaN  
## pl\_nameLTT 3780 b NaN  
## pl\_nameLTT 3780 c NaN  
## pl\_nameLTT 9779 b NaN  
## pl\_nameLupus-TR-3 b NaN  
## pl\_nameMASCARA-1 b NaN  
## pl\_nameMASCARA-4 b NaN  
## pl\_namemu Leo b NaN  
## pl\_nameNGC 2682 Sand 364 b NaN  
## pl\_nameNGTS-1 b NaN  
## pl\_nameNGTS-10 b NaN  
## pl\_nameNGTS-11 b NaN  
## pl\_nameNGTS-12 b NaN  
## pl\_nameNGTS-13 b NaN  
## pl\_nameNGTS-14 A b NaN  
## pl\_nameNGTS-15 b NaN  
## pl\_nameNGTS-16 b NaN  
## pl\_nameNGTS-17 b NaN  
## pl\_nameNGTS-18 b NaN  
## pl\_nameNGTS-2 b NaN  
## pl\_nameNGTS-20 b NaN  
## pl\_nameNGTS-21 b NaN  
## pl\_nameNGTS-23 b NaN  
## pl\_nameNGTS-24 b NaN  
## pl\_nameNGTS-25 b NaN  
## pl\_nameNGTS-4 b NaN  
## pl\_nameNGTS-5 b NaN  
## pl\_nameNGTS-6 b NaN  
## pl\_nameNGTS-8 b NaN  
## pl\_nameNGTS-9 b NaN  
## pl\_nameNSVS 14256825 b NaN  
## pl\_namenu Oct A b NaN  
## pl\_namenu Oph b NaN  
## pl\_namenu Oph c NaN  
## pl\_nameNY Vir b NaN  
## pl\_nameOGLE-TR-10 b NaN  
## pl\_nameOGLE-TR-111 b NaN  
## pl\_nameOGLE-TR-132 b NaN  
## pl\_nameOGLE-TR-182 b NaN  
## pl\_nameOGLE-TR-211 b NaN  
## pl\_nameome Ser b NaN  
## pl\_nameomi CrB b NaN  
## pl\_namePDS 70 b NaN  
## pl\_namepi Men c NaN  
## pl\_namePr0201 b NaN  
## pl\_namePr0211 b NaN  
## pl\_namePr0211 c NaN  
## pl\_nameProxima Cen b NaN  
## pl\_namepsi1 Dra B b NaN  
## pl\_namePZ Tel b NaN  
## pl\_nameQatar-1 b NaN  
## pl\_nameQatar-10 b NaN  
## pl\_nameQatar-2 b NaN  
## pl\_nameQatar-3 b NaN  
## pl\_nameQatar-4 b NaN  
## pl\_nameQatar-5 b NaN  
## pl\_nameQatar-6 b NaN  
## pl\_nameQatar-7 b NaN  
## pl\_nameQatar-8 b NaN  
## pl\_nameQatar-9 b NaN  
## pl\_namerho CrB b NaN  
## pl\_namerho CrB c NaN  
## pl\_namerho CrB d NaN  
## pl\_namerho CrB e NaN  
## pl\_nameRoss 128 b NaN  
## pl\_nameRoss 508 b NaN  
## pl\_nameRR Cae b NaN  
## pl\_nametau Boo b NaN  
## pl\_nametau Cet e NaN  
## pl\_nametau Cet f NaN  
## pl\_nametau Cet g NaN  
## pl\_nametau Cet h NaN  
## pl\_nametau Gem b NaN  
## pl\_nameTeegarden's Star b NaN  
## pl\_nameTeegarden's Star c NaN  
## pl\_nameTIC 172900988 b NaN  
## pl\_nameTIC 237913194 b NaN  
## pl\_nameTIC 257060897 b NaN  
## pl\_nameTIC 279401253 b NaN  
## pl\_nameTIC 279401253 c NaN  
## pl\_nameTOI-1052 b NaN  
## pl\_nameTOI-1052 c NaN  
## pl\_nameTOI-1062 b NaN  
## pl\_nameTOI-1062 c NaN  
## pl\_nameTOI-1064 b NaN  
## pl\_nameTOI-1064 c NaN  
## pl\_nameTOI-1075 b NaN  
## pl\_nameTOI-1107 b NaN  
## pl\_nameTOI-1130 b NaN  
## pl\_nameTOI-1130 c NaN  
## pl\_nameTOI-1201 b NaN  
## pl\_nameTOI-122 b NaN  
## pl\_nameTOI-1231 b NaN  
## pl\_nameTOI-1235 b NaN  
## pl\_nameTOI-125 b NaN  
## pl\_nameTOI-125 c NaN  
## pl\_nameTOI-125 d NaN  
## pl\_nameTOI-1259 A b NaN  
## pl\_nameTOI-1260 b NaN  
## pl\_nameTOI-1260 c NaN  
## pl\_nameTOI-1260 d NaN  
## pl\_nameTOI-1266 b NaN  
## pl\_nameTOI-1266 c NaN  
## pl\_nameTOI-1268 b NaN  
## pl\_nameTOI-1272 b NaN  
## pl\_nameTOI-1272 c NaN  
## pl\_nameTOI-1278 b NaN  
## pl\_nameTOI-1288 b NaN  
## pl\_nameTOI-1296 b NaN  
## pl\_nameTOI-1298 b NaN  
## pl\_nameTOI-132 b NaN  
## pl\_nameTOI-1333 b NaN  
## pl\_nameTOI-1338 b NaN  
## pl\_nameTOI-1338 c NaN  
## pl\_nameTOI-1416 b NaN  
## pl\_nameTOI-1422 b NaN  
## pl\_nameTOI-1431 b NaN  
## pl\_nameTOI-1452 b NaN  
## pl\_nameTOI-1470 b NaN  
## pl\_nameTOI-1470 c NaN  
## pl\_nameTOI-1478 b NaN  
## pl\_nameTOI-150.01 NaN  
## pl\_nameTOI-157 b NaN  
## pl\_nameTOI-1601 b NaN  
## pl\_nameTOI-163 b NaN  
## pl\_nameTOI-1634 b NaN  
## pl\_nameTOI-1670 b NaN  
## pl\_nameTOI-1670 c NaN  
## pl\_nameTOI-1685 b NaN  
## pl\_nameTOI-169 b NaN  
## pl\_nameTOI-1695 b NaN  
## pl\_nameTOI-1696 b NaN  
## pl\_nameTOI-1710 b NaN  
## pl\_nameTOI-172 b NaN  
## pl\_nameTOI-1728 b NaN  
## pl\_nameTOI-1759 b NaN  
## pl\_nameTOI-1807 b NaN  
## pl\_nameTOI-181 b NaN  
## pl\_nameTOI-1811 b NaN  
## pl\_nameTOI-1820 b NaN  
## pl\_nameTOI-1859 b NaN  
## pl\_nameTOI-1899 b NaN  
## pl\_nameTOI-1937 A b NaN  
## pl\_nameTOI-2000 b NaN  
## pl\_nameTOI-2000 c NaN  
## pl\_nameTOI-201 b NaN  
## pl\_nameTOI-2025 b NaN  
## pl\_nameTOI-2096 b NaN  
## pl\_nameTOI-2096 c NaN  
## pl\_nameTOI-2136 b NaN  
## pl\_nameTOI-2145 b NaN  
## pl\_nameTOI-2152 A b NaN  
## pl\_nameTOI-2154 b NaN  
## pl\_nameTOI-2158 b NaN  
## pl\_nameTOI-216.01 NaN  
## pl\_nameTOI-216.02 NaN  
## pl\_nameTOI-2180 b NaN  
## pl\_nameTOI-2193 A b NaN  
## pl\_nameTOI-2196 b NaN  
## pl\_nameTOI-220 b NaN  
## pl\_nameTOI-2202 b NaN  
## pl\_nameTOI-2202 c NaN  
## pl\_nameTOI-2207 b NaN  
## pl\_nameTOI-2236 b NaN  
## pl\_nameTOI-2257 b NaN  
## pl\_nameTOI-2338 b NaN  
## pl\_nameTOI-2364 b NaN  
## pl\_nameTOI-237 b NaN  
## pl\_nameTOI-2421 b NaN  
## pl\_nameTOI-2497 b NaN  
## pl\_nameTOI-2498 b NaN  
## pl\_nameTOI-2525 b NaN  
## pl\_nameTOI-2525 c NaN  
## pl\_nameTOI-2567 b NaN  
## pl\_nameTOI-257 b NaN  
## pl\_nameTOI-2570 b NaN  
## pl\_nameTOI-2583 A b NaN  
## pl\_nameTOI-2587 A b NaN  
## pl\_nameTOI-2589 b NaN  
## pl\_nameTOI-2641 b NaN  
## pl\_nameTOI-269 b NaN  
## pl\_nameTOI-270 b NaN  
## pl\_nameTOI-270 c NaN  
## pl\_nameTOI-270 d NaN  
## pl\_nameTOI-2796 b NaN  
## pl\_nameTOI-2803 A b NaN  
## pl\_nameTOI-2818 b NaN  
## pl\_nameTOI-2842 b NaN  
## pl\_nameTOI-3023 b NaN  
## pl\_nameTOI-3235 b NaN  
## pl\_nameTOI-332 b NaN  
## pl\_nameTOI-3331 A b NaN  
## pl\_nameTOI-3362 b NaN  
## pl\_nameTOI-3364 b NaN  
## pl\_nameTOI-3629 b NaN  
## pl\_nameTOI-3688 A b NaN  
## pl\_nameTOI-3693 b NaN  
## pl\_nameTOI-3714 b NaN  
## pl\_nameTOI-3757 b NaN  
## pl\_nameTOI-3785 b NaN  
## pl\_nameTOI-3807 b NaN  
## pl\_nameTOI-3819 b NaN  
## pl\_nameTOI-3884 b NaN  
## pl\_nameTOI-3912 b NaN  
## pl\_nameTOI-3976 A b NaN  
## pl\_nameTOI-3984 A b NaN  
## pl\_nameTOI-4010 b NaN  
## pl\_nameTOI-4010 c NaN  
## pl\_nameTOI-4010 d NaN  
## pl\_nameTOI-4010 e NaN  
## pl\_nameTOI-4087 b NaN  
## pl\_nameTOI-411 b NaN  
## pl\_nameTOI-411 c NaN  
## pl\_nameTOI-4127 b NaN  
## pl\_nameTOI-4137 b NaN  
## pl\_nameTOI-4145 A b NaN  
## pl\_nameTOI-421 b NaN  
## pl\_nameTOI-421 c NaN  
## pl\_nameTOI-431 b NaN  
## pl\_nameTOI-431 c NaN  
## pl\_nameTOI-431 d NaN  
## pl\_nameTOI-4406 b NaN  
## pl\_nameTOI-4463 A b NaN  
## pl\_nameTOI-451 b NaN  
## pl\_nameTOI-451 c NaN  
## pl\_nameTOI-451 d NaN  
## pl\_nameTOI-4562 b NaN  
## pl\_nameTOI-4603 b NaN  
## pl\_nameTOI-4791 b NaN  
## pl\_nameTOI-481 b NaN  
## pl\_nameTOI-4860 b NaN  
## pl\_nameTOI-500 b NaN  
## pl\_nameTOI-5153 b NaN  
## pl\_nameTOI-519 b NaN  
## pl\_nameTOI-5205 b NaN  
## pl\_nameTOI-5293 A b NaN  
## pl\_nameTOI-530 b NaN  
## pl\_nameTOI-532 b NaN  
## pl\_nameTOI-540 b NaN  
## pl\_nameTOI-5542 b NaN  
## pl\_nameTOI-558 b NaN  
## pl\_nameTOI-559 b NaN  
## pl\_nameTOI-561 b NaN  
## pl\_nameTOI-561 c NaN  
## pl\_nameTOI-561 d NaN  
## pl\_nameTOI-561 e NaN  
## pl\_nameTOI-564 b NaN  
## pl\_nameTOI-5678 b NaN  
## pl\_nameTOI-615 b NaN  
## pl\_nameTOI-620 b NaN  
## pl\_nameTOI-622 b NaN  
## pl\_nameTOI-628 b NaN  
## pl\_nameTOI-640 b NaN  
## pl\_nameTOI-674 b NaN  
## pl\_nameTOI-677 b NaN  
## pl\_nameTOI-700 b NaN  
## pl\_nameTOI-700 c NaN  
## pl\_nameTOI-700 d NaN  
## pl\_nameTOI-700 e NaN  
## pl\_nameTOI-712 b NaN  
## pl\_nameTOI-712 c NaN  
## pl\_nameTOI-712 d NaN  
## pl\_nameTOI-733 b NaN  
## pl\_nameTOI-763 b NaN  
## pl\_nameTOI-763 c NaN  
## pl\_nameTOI-776 b NaN  
## pl\_nameTOI-776 c NaN  
## pl\_nameTOI-778 b NaN  
## pl\_nameTOI-784 b NaN  
## pl\_nameTOI-813 b NaN  
## pl\_nameTOI-836 b NaN  
## pl\_nameTOI-836 c NaN  
## pl\_nameTOI-849 b NaN  
## pl\_nameTOI-892 b NaN  
## pl\_nameTOI-905 b NaN  
## pl\_nameTOI-908 b NaN  
## pl\_nameTOI-954 b NaN  
## pl\_nameTOI-969 c NaN  
## pl\_nameTRAPPIST-1 b NaN  
## pl\_nameTRAPPIST-1 c NaN  
## pl\_nameTRAPPIST-1 d NaN  
## pl\_nameTRAPPIST-1 e NaN  
## pl\_nameTRAPPIST-1 f NaN  
## pl\_nameTRAPPIST-1 g NaN  
## pl\_nameTRAPPIST-1 h NaN  
## pl\_nameTrES-1 b NaN  
## pl\_nameTrES-2 b NaN  
## pl\_nameTrES-3 b NaN  
## pl\_nameTrES-4 b NaN  
## pl\_nameTrES-5 b NaN  
## pl\_nameTYC 0434-04538-1 b NaN  
## pl\_nameTYC 1422-614-1 b NaN  
## pl\_nameTYC 1422-614-1 c NaN  
## pl\_nameTYC 2187-512-1 b NaN  
## pl\_nameTYC 3318-01333-1 b NaN  
## pl\_nameTYC 3667-1280-1 b NaN  
## pl\_nameTYC 4282-00605-1 b NaN  
## pl\_nameups And b NaN  
## pl\_nameups And c NaN  
## pl\_nameups And d NaN  
## pl\_nameups Leo b NaN  
## pl\_nameV0391 Peg b NaN  
## pl\_nameV1298 Tau b NaN  
## pl\_nameV1298 Tau c NaN  
## pl\_nameV1298 Tau d NaN  
## pl\_nameV1298 Tau e NaN  
## pl\_nameWASP-1 b NaN  
## pl\_nameWASP-10 b NaN  
## pl\_nameWASP-100 b NaN  
## pl\_nameWASP-101 b NaN  
## pl\_nameWASP-103 b NaN  
## pl\_nameWASP-104 b NaN  
## pl\_nameWASP-105 b NaN  
## pl\_nameWASP-106 b NaN  
## pl\_nameWASP-107 b NaN  
## pl\_nameWASP-11 b NaN  
## pl\_nameWASP-113 b NaN  
## pl\_nameWASP-114 b NaN  
## pl\_nameWASP-117 b NaN  
## pl\_nameWASP-118 b NaN  
## pl\_nameWASP-119 b NaN  
## pl\_nameWASP-12 b NaN  
## pl\_nameWASP-120 b NaN  
## pl\_nameWASP-121 b NaN  
## pl\_nameWASP-123 b NaN  
## pl\_nameWASP-124 b NaN  
## pl\_nameWASP-126 b NaN  
## pl\_nameWASP-127 b NaN  
## pl\_nameWASP-129 b NaN  
## pl\_nameWASP-13 b NaN  
## pl\_nameWASP-130 b NaN  
## pl\_nameWASP-131 b NaN  
## pl\_nameWASP-132 b NaN  
## pl\_nameWASP-133 b NaN  
## pl\_nameWASP-135 b NaN  
## pl\_nameWASP-139 b NaN  
## pl\_nameWASP-14 b NaN  
## pl\_nameWASP-140 b NaN  
## pl\_nameWASP-141 b NaN  
## pl\_nameWASP-142 b NaN  
## pl\_nameWASP-144 b NaN  
## pl\_nameWASP-145 A b NaN  
## pl\_nameWASP-147 b NaN  
## pl\_nameWASP-148 b NaN  
## pl\_nameWASP-148 c NaN  
## pl\_nameWASP-15 b NaN  
## pl\_nameWASP-150 b NaN  
## pl\_nameWASP-151 b NaN  
## pl\_nameWASP-153 b NaN  
## pl\_nameWASP-156 b NaN  
## pl\_nameWASP-157 b NaN  
## pl\_nameWASP-158 b NaN  
## pl\_nameWASP-159 b NaN  
## pl\_nameWASP-16 b NaN  
## pl\_nameWASP-160 B b NaN  
## pl\_nameWASP-162 b NaN  
## pl\_nameWASP-164 b NaN  
## pl\_nameWASP-165 b NaN  
## pl\_nameWASP-166 b NaN  
## pl\_nameWASP-168 b NaN  
## pl\_nameWASP-169 b NaN  
## pl\_nameWASP-17 b NaN  
## pl\_nameWASP-171 b NaN  
## pl\_nameWASP-172 b NaN  
## pl\_nameWASP-173 A b NaN  
## pl\_nameWASP-174 b NaN  
## pl\_nameWASP-175 b NaN  
## pl\_nameWASP-176 b NaN  
## pl\_nameWASP-178 b NaN  
## pl\_nameWASP-18 b NaN  
## pl\_nameWASP-18 c NaN  
## pl\_nameWASP-180 A b NaN  
## pl\_nameWASP-182 b NaN  
## pl\_nameWASP-184 b NaN  
## pl\_nameWASP-185 b NaN  
## pl\_nameWASP-186 b NaN  
## pl\_nameWASP-187 b NaN  
## pl\_nameWASP-189 b NaN  
## pl\_nameWASP-19 b NaN  
## pl\_nameWASP-190 b NaN  
## pl\_nameWASP-192 b NaN  
## pl\_nameWASP-193 b NaN  
## pl\_nameWASP-2 b NaN  
## pl\_nameWASP-20 b NaN  
## pl\_nameWASP-21 b NaN  
## pl\_nameWASP-22 b NaN  
## pl\_nameWASP-23 b NaN  
## pl\_nameWASP-24 b NaN  
## pl\_nameWASP-25 b NaN  
## pl\_nameWASP-26 b NaN  
## pl\_nameWASP-28 b NaN  
## pl\_nameWASP-29 b NaN  
## pl\_nameWASP-3 b NaN  
## pl\_nameWASP-31 b NaN  
## pl\_nameWASP-32 b NaN  
## pl\_nameWASP-33 b NaN  
## pl\_nameWASP-34 b NaN  
## pl\_nameWASP-35 b NaN  
## pl\_nameWASP-36 b NaN  
## pl\_nameWASP-37 b NaN  
## pl\_nameWASP-38 b NaN  
## pl\_nameWASP-39 b NaN  
## pl\_nameWASP-4 b NaN  
## pl\_nameWASP-41 b NaN  
## pl\_nameWASP-41 c NaN  
## pl\_nameWASP-42 b NaN  
## pl\_nameWASP-43 b NaN  
## pl\_nameWASP-44 b NaN  
## pl\_nameWASP-45 b NaN  
## pl\_nameWASP-46 b NaN  
## pl\_nameWASP-47 b NaN  
## pl\_nameWASP-47 c NaN  
## pl\_nameWASP-47 d NaN  
## pl\_nameWASP-47 e NaN  
## pl\_nameWASP-48 b NaN  
## pl\_nameWASP-49 b NaN  
## pl\_nameWASP-5 b NaN  
## pl\_nameWASP-50 b NaN  
## pl\_nameWASP-52 b NaN  
## pl\_nameWASP-53 b NaN  
## pl\_nameWASP-54 b NaN  
## pl\_nameWASP-55 b NaN  
## pl\_nameWASP-56 b NaN  
## pl\_nameWASP-57 b NaN  
## pl\_nameWASP-58 b NaN  
## pl\_nameWASP-59 b NaN  
## pl\_nameWASP-6 b NaN  
## pl\_nameWASP-60 b NaN  
## pl\_nameWASP-61 b NaN  
## pl\_nameWASP-62 b NaN  
## pl\_nameWASP-63 b NaN  
## pl\_nameWASP-64 b NaN  
## pl\_nameWASP-65 b NaN  
## pl\_nameWASP-66 b NaN  
## pl\_nameWASP-67 b NaN  
## pl\_nameWASP-68 b NaN  
## pl\_nameWASP-69 b NaN  
## pl\_nameWASP-7 b NaN  
## pl\_nameWASP-70 A b NaN  
## pl\_nameWASP-71 b NaN  
## pl\_nameWASP-72 b NaN  
## pl\_nameWASP-73 b NaN  
## pl\_nameWASP-74 b NaN  
## pl\_nameWASP-75 b NaN  
## pl\_nameWASP-76 b NaN  
## pl\_nameWASP-77 A b NaN  
## pl\_nameWASP-78 b NaN  
## pl\_nameWASP-79 b NaN  
## pl\_nameWASP-8 b NaN  
## pl\_nameWASP-8 c NaN  
## pl\_nameWASP-80 b NaN  
## pl\_nameWASP-81 b NaN  
## pl\_nameWASP-82 b NaN  
## pl\_nameWASP-83 b NaN  
## pl\_nameWASP-84 b NaN  
## pl\_nameWASP-85 A b NaN  
## pl\_nameWASP-87 b NaN  
## pl\_nameWASP-88 b NaN  
## pl\_nameWASP-89 b NaN  
## pl\_nameWASP-90 b NaN  
## pl\_nameWASP-91 b NaN  
## pl\_nameWASP-92 b NaN  
## pl\_nameWASP-93 b NaN  
## pl\_nameWASP-94 A b NaN  
## pl\_nameWASP-94 B b NaN  
## pl\_nameWASP-95 b NaN  
## pl\_nameWASP-96 b NaN  
## pl\_nameWASP-97 b NaN  
## pl\_nameWASP-98 b NaN  
## pl\_nameWASP-99 b NaN  
## pl\_nameWD 1856+534 b NaN  
## pl\_nameWendelstein-1 b NaN  
## pl\_nameWendelstein-2 b NaN  
## pl\_nameWolf 1061 b NaN  
## pl\_nameWolf 1061 c NaN  
## pl\_nameWolf 1061 d NaN  
## pl\_nameWolf 503 b NaN  
## pl\_nameWTS-1 b NaN  
## pl\_nameWTS-2 b NaN  
## pl\_namexi Aql b NaN  
## pl\_nameXO-1 b NaN  
## pl\_nameXO-2 N b NaN  
## pl\_nameXO-2 S b NaN  
## pl\_nameXO-2 S c NaN  
## pl\_nameXO-3 b NaN  
## pl\_nameXO-4 b NaN  
## pl\_nameXO-5 b NaN  
## pl\_nameXO-6 b NaN  
## pl\_nameXO-7 b NaN  
## pl\_nameYZ Cet b NaN  
## pl\_nameYZ Cet c NaN  
## pl\_nameYZ Cet d NaN  
## hostname11 UMi NA  
## hostname14 And NA  
## hostname14 Her NA  
## hostname16 Cyg B NA  
## hostname17 Sco NA  
## hostname18 Del NA  
## hostname24 Boo NA  
## hostname24 Sex NA  
## hostname2MASS J19383260+4603591 NA  
## hostname30 Ari B NA  
## hostname4 UMa NA  
## hostname42 Dra NA  
## hostname47 UMa NA  
## hostname51 Eri NA  
## hostname51 Peg NA  
## hostname55 Cnc NA  
## hostname6 Lyn NA  
## hostname61 Vir NA  
## hostname7 CMa NA  
## hostname70 Vir NA  
## hostname75 Cet NA  
## hostname8 UMi NA  
## hostname81 Cet NA  
## hostname91 Aqr NA  
## hostnameAF Lep NA  
## hostnameAU Mic NA  
## hostnameBD-00 4475 NA  
## hostnameBD-06 1339 NA  
## hostnameBD-08 2823 NA  
## hostnameBD-10 3166 NA  
## hostnameBD-11 4672 NA  
## hostnameBD-13 2130 NA  
## hostnameBD-17 63 NA  
## hostnameBD-210397 NA  
## hostnameBD+03 2562 NA  
## hostnameBD+14 4559 NA  
## hostnameBD+15 2375 NA  
## hostnameBD+15 2940 NA  
## hostnameBD+20 2457 NA  
## hostnameBD+20 274 NA  
## hostnameBD+20 594 NA  
## hostnameBD+45 564 NA  
## hostnameBD+48 738 NA  
## hostnameBD+48 740 NA  
## hostnameBD+49 828 NA  
## hostnameBD+55 362 NA  
## hostnameBD+63 1405 NA  
## hostnamebet Cnc NA  
## hostnamebet Pic NA  
## hostnameCoRoT-1 NA  
## hostnameCoRoT-10 NA  
## hostnameCoRoT-11 NA  
## hostnameCoRoT-12 NA  
## hostnameCoRoT-13 NA  
## hostnameCoRoT-14 NA  
## hostnameCoRoT-16 NA  
## hostnameCoRoT-17 NA  
## hostnameCoRoT-18 NA  
## hostnameCoRoT-19 NA  
## hostnameCoRoT-2 NA  
## hostnameCoRoT-20 NA  
## hostnameCoRoT-21 NA  
## hostnameCoRoT-22 NA  
## hostnameCoRoT-23 NA  
## hostnameCoRoT-24 NA  
## hostnameCoRoT-25 NA  
## hostnameCoRoT-26 NA  
## hostnameCoRoT-27 NA  
## hostnameCoRoT-28 NA  
## hostnameCoRoT-29 NA  
## hostnameCoRoT-3 NA  
## hostnameCoRoT-30 NA  
## hostnameCoRoT-31 NA  
## hostnameCoRoT-35 NA  
## hostnameCoRoT-36 NA  
## hostnameCoRoT-4 NA  
## hostnameCoRoT-5 NA  
## hostnameCoRoT-6 NA  
## hostnameCoRoT-7 NA  
## hostnameCoRoT-8 NA  
## hostnameCoRoT-9 NA  
## hostnameDE CVn NA  
## hostnameDMPP-1 NA  
## hostnameDMPP-2 NA  
## hostnameDMPP-4 NA  
## hostnameEPIC 201170410 NA  
## hostnameEPIC 211822797 NA  
## hostnameEPIC 211945201 NA  
## hostnameEPIC 212737443 NA  
## hostnameEPIC 220674823 NA  
## hostnameEPIC 229004835 NA  
## hostnameEPIC 249893012 NA  
## hostnameeps CrB NA  
## hostnameeps Eri NA  
## hostnameeps Ind A NA  
## hostnameeps Tau NA  
## hostnamegam Cep NA  
## hostnamegam Lib NA  
## hostnamegam Psc NA  
## hostnameGJ 1061 NA  
## hostnameGJ 1132 NA  
## hostnameGJ 1148 NA  
## hostnameGJ 1214 NA  
## hostnameGJ 1252 NA  
## hostnameGJ 1265 NA  
## hostnameGJ 143 NA  
## hostnameGJ 15 A NA  
## hostnameGJ 160.2 NA  
## hostnameGJ 163 NA  
## hostnameGJ 179 NA  
## hostnameGJ 180 NA  
## hostnameGJ 2030 NA  
## hostnameGJ 2056 NA  
## hostnameGJ 229 NA  
## hostnameGJ 251 NA  
## hostnameGJ 27.1 NA  
## hostnameGJ 3021 NA  
## hostnameGJ 3082 NA  
## hostnameGJ 3090 NA  
## hostnameGJ 3138 NA  
## hostnameGJ 317 NA  
## hostnameGJ 328 NA  
## hostnameGJ 3293 NA  
## hostnameGJ 3341 NA  
## hostnameGJ 338 B NA  
## hostnameGJ 3470 NA  
## hostnameGJ 3473 NA  
## hostnameGJ 3512 NA  
## hostnameGJ 3634 NA  
## hostnameGJ 367 NA  
## hostnameGJ 3779 NA  
## hostnameGJ 3929 NA  
## hostnameGJ 3942 NA  
## hostnameGJ 3998 NA  
## hostnameGJ 414 A NA  
## hostnameGJ 422 NA  
## hostnameGJ 4276 NA  
## hostnameGJ 433 NA  
## hostnameGJ 436 NA  
## hostnameGJ 463 NA  
## hostnameGJ 480 NA  
## hostnameGJ 486 NA  
## hostnameGJ 514 NA  
## hostnameGJ 536 NA  
## hostnameGJ 581 NA  
## hostnameGJ 625 NA  
## hostnameGJ 649 NA  
## hostnameGJ 667 C NA  
## hostnameGJ 674 NA  
## hostnameGJ 676 A NA  
## hostnameGJ 680 NA  
## hostnameGJ 682 NA  
## hostnameGJ 685 NA  
## hostnameGJ 687 NA  
## hostnameGJ 720 A NA  
## hostnameGJ 740 NA  
## hostnameGJ 832 NA  
## hostnameGJ 849 NA  
## hostnameGJ 86 NA  
## hostnameGJ 876 NA  
## hostnameGJ 887 NA  
## hostnameGJ 896 A NA  
## hostnameGJ 9066 NA  
## hostnameGJ 9404 NA  
## hostnameGJ 96 NA  
## hostnameGJ 9689 NA  
## hostnameGJ 9714 NA  
## hostnameGJ 9827 NA  
## hostnameGl 378 NA  
## hostnameGl 49 NA  
## hostnameGl 686 NA  
## hostnameGPX-1 NA  
## hostnameHAT-P-1 NA  
## hostnameHAT-P-11 NA  
## hostnameHAT-P-12 NA  
## hostnameHAT-P-13 NA  
## hostnameHAT-P-14 NA  
## hostnameHAT-P-15 NA  
## hostnameHAT-P-16 NA  
## hostnameHAT-P-17 NA  
## hostnameHAT-P-18 NA  
## hostnameHAT-P-19 NA  
## hostnameHAT-P-2 NA  
## hostnameHAT-P-20 NA  
## hostnameHAT-P-21 NA  
## hostnameHAT-P-22 NA  
## hostnameHAT-P-23 NA  
## hostnameHAT-P-24 NA  
## hostnameHAT-P-25 NA  
## hostnameHAT-P-26 NA  
## hostnameHAT-P-27 NA  
## hostnameHAT-P-28 NA  
## hostnameHAT-P-29 NA  
## hostnameHAT-P-3 NA  
## hostnameHAT-P-30 NA  
## hostnameHAT-P-31 NA  
## hostnameHAT-P-32 NA  
## hostnameHAT-P-33 NA  
## hostnameHAT-P-34 NA  
## hostnameHAT-P-35 NA  
## hostnameHAT-P-36 NA  
## hostnameHAT-P-37 NA  
## hostnameHAT-P-38 NA  
## hostnameHAT-P-39 NA  
## hostnameHAT-P-4 NA  
## hostnameHAT-P-40 NA  
## hostnameHAT-P-41 NA  
## hostnameHAT-P-42 NA  
## hostnameHAT-P-43 NA  
## hostnameHAT-P-44 NA  
## hostnameHAT-P-45 NA  
## hostnameHAT-P-46 NA  
## hostnameHAT-P-49 NA  
## hostnameHAT-P-5 NA  
## hostnameHAT-P-50 NA  
## hostnameHAT-P-51 NA  
## hostnameHAT-P-52 NA  
## hostnameHAT-P-53 NA  
## hostnameHAT-P-54 NA  
## hostnameHAT-P-55 NA  
## hostnameHAT-P-56 NA  
## hostnameHAT-P-57 NA  
## hostnameHAT-P-58 NA  
## hostnameHAT-P-59 NA  
## hostnameHAT-P-6 NA  
## hostnameHAT-P-60 NA  
## hostnameHAT-P-61 NA  
## hostnameHAT-P-62 NA  
## hostnameHAT-P-64 NA  
## hostnameHAT-P-65 NA  
## hostnameHAT-P-66 NA  
## hostnameHAT-P-67 NA  
## hostnameHAT-P-68 NA  
## hostnameHAT-P-69 NA  
## hostnameHAT-P-7 NA  
## hostnameHAT-P-70 NA  
## hostnameHAT-P-8 NA  
## hostnameHAT-P-9 NA  
## hostnameHATS-1 NA  
## hostnameHATS-10 NA  
## hostnameHATS-11 NA  
## hostnameHATS-12 NA  
## hostnameHATS-13 NA  
## hostnameHATS-14 NA  
## hostnameHATS-15 NA  
## hostnameHATS-16 NA  
## hostnameHATS-17 NA  
## hostnameHATS-18 NA  
## hostnameHATS-2 NA  
## hostnameHATS-22 NA  
## hostnameHATS-23 NA  
## hostnameHATS-24 NA  
## hostnameHATS-25 NA  
## hostnameHATS-26 NA  
## hostnameHATS-27 NA  
## hostnameHATS-28 NA  
## hostnameHATS-29 NA  
## hostnameHATS-3 NA  
## hostnameHATS-30 NA  
## hostnameHATS-31 NA  
## hostnameHATS-32 NA  
## hostnameHATS-33 NA  
## hostnameHATS-34 NA  
## hostnameHATS-35 NA  
## hostnameHATS-36 NA  
## hostnameHATS-37 A NA  
## hostnameHATS-38 NA  
## hostnameHATS-39 NA  
## hostnameHATS-4 NA  
## hostnameHATS-40 NA  
## hostnameHATS-41 NA  
## hostnameHATS-42 NA  
## hostnameHATS-43 NA  
## hostnameHATS-44 NA  
## hostnameHATS-45 NA  
## hostnameHATS-46 NA  
## hostnameHATS-47 NA  
## hostnameHATS-48 A NA  
## hostnameHATS-49 NA  
## hostnameHATS-5 NA  
## hostnameHATS-50 NA  
## hostnameHATS-51 NA  
## hostnameHATS-52 NA  
## hostnameHATS-53 NA  
## hostnameHATS-54 NA  
## hostnameHATS-55 NA  
## hostnameHATS-56 NA  
## hostnameHATS-57 NA  
## hostnameHATS-58 A NA  
## hostnameHATS-59 NA  
## hostnameHATS-6 NA  
## hostnameHATS-60 NA  
## hostnameHATS-61 NA  
## hostnameHATS-62 NA  
## hostnameHATS-63 NA  
## hostnameHATS-64 NA  
## hostnameHATS-65 NA  
## hostnameHATS-66 NA  
## hostnameHATS-67 NA  
## hostnameHATS-68 NA  
## hostnameHATS-69 NA  
## hostnameHATS-7 NA  
## hostnameHATS-70 NA  
## hostnameHATS-71 NA  
## hostnameHATS-72 NA  
## hostnameHATS-74 A NA  
## hostnameHATS-75 NA  
## hostnameHATS-76 NA  
## hostnameHATS-77 NA  
## hostnameHATS-8 NA  
## hostnameHATS-9 NA  
## hostnameHD 100655 NA  
## hostnameHD 100777 NA  
## hostnameHD 10180 NA  
## hostnameHD 101930 NA  
## hostnameHD 102117 NA  
## hostnameHD 102195 NA  
## hostnameHD 102272 NA  
## hostnameHD 102329 NA  
## hostnameHD 102365 NA  
## hostnameHD 102843 NA  
## hostnameHD 102956 NA  
## hostnameHD 103197 NA  
## hostnameHD 103720 NA  
## hostnameHD 103774 NA  
## hostnameHD 103891 NA  
## hostnameHD 103949 NA  
## hostnameHD 104067 NA  
## hostnameHD 10442 NA  
## hostnameHD 104985 NA  
## hostnameHD 105618 NA  
## hostnameHD 105779 NA  
## hostnameHD 106252 NA  
## hostnameHD 106270 NA  
## hostnameHD 106315 NA  
## hostnameHD 10647 NA  
## hostnameHD 106515 A NA  
## hostnameHD 10697 NA  
## hostnameHD 107148 NA  
## hostnameHD 108147 NA  
## hostnameHD 108202 NA  
## hostnameHD 108236 NA  
## hostnameHD 108341 NA  
## hostnameHD 108863 NA  
## hostnameHD 108874 NA  
## hostnameHD 109246 NA  
## hostnameHD 109271 NA  
## hostnameHD 109286 NA  
## hostnameHD 109749 NA  
## hostnameHD 10975 NA  
## hostnameHD 109988 NA  
## hostnameHD 110014 NA  
## hostnameHD 110082 NA  
## hostnameHD 110113 NA  
## hostnameHD 110537 NA  
## hostnameHD 11112 NA  
## hostnameHD 111232 NA  
## hostnameHD 111998 NA  
## hostnameHD 112300 NA  
## hostnameHD 112640 NA  
## hostnameHD 113337 NA  
## hostnameHD 113538 NA  
## hostnameHD 113996 NA  
## hostnameHD 114082 NA  
## hostnameHD 114386 NA  
## hostnameHD 114613 NA  
## hostnameHD 114729 NA  
## hostnameHD 114783 NA  
## hostnameHD 11505 NA  
## hostnameHD 11506 NA  
## hostnameHD 115404 A NA  
## hostnameHD 115954 NA  
## hostnameHD 116029 NA  
## hostnameHD 117207 NA  
## hostnameHD 11755 NA  
## hostnameHD 117618 NA  
## hostnameHD 118203 NA  
## hostnameHD 11964 NA  
## hostnameHD 11977 NA  
## hostnameHD 120084 NA  
## hostnameHD 121504 NA  
## hostnameHD 12235 NA  
## hostnameHD 124330 NA  
## hostnameHD 12484 NA  
## hostnameHD 125271 NA  
## hostnameHD 125390 NA  
## hostnameHD 125595 NA  
## hostnameHD 125612 NA  
## hostnameHD 12648 NA  
## hostnameHD 126525 NA  
## hostnameHD 12661 NA  
## hostnameHD 126614 NA  
## hostnameHD 127506 NA  
## hostnameHD 128311 NA  
## hostnameHD 128356 NA  
## hostnameHD 129445 NA  
## hostnameHD 130322 NA  
## hostnameHD 131496 NA  
## hostnameHD 13167 NA  
## hostnameHD 13189 NA  
## hostnameHD 132406 NA  
## hostnameHD 132563 NA  
## hostnameHD 133131 A NA  
## hostnameHD 133131 B NA  
## hostnameHD 134060 NA  
## hostnameHD 134987 NA  
## hostnameHD 135625 NA  
## hostnameHD 136118 NA  
## hostnameHD 136352 NA  
## hostnameHD 136925 NA  
## hostnameHD 13724 NA  
## hostnameHD 137388 NA  
## hostnameHD 137496 NA  
## hostnameHD 13808 NA  
## hostnameHD 13908 NA  
## hostnameHD 13931 NA  
## hostnameHD 139357 NA  
## hostnameHD 1397 NA  
## hostnameHD 14067 NA  
## hostnameHD 140901 NA  
## hostnameHD 141004 NA  
## hostnameHD 141399 NA  
## hostnameHD 141937 NA  
## hostnameHD 142 NA  
## hostnameHD 142022 A NA  
## hostnameHD 142245 NA  
## hostnameHD 142415 NA  
## hostnameHD 143105 NA  
## hostnameHD 143361 NA  
## hostnameHD 144899 NA  
## hostnameHD 145377 NA  
## hostnameHD 145457 NA  
## hostnameHD 145934 NA  
## hostnameHD 1461 NA  
## hostnameHD 147018 NA  
## hostnameHD 147379 NA  
## hostnameHD 147513 NA  
## hostnameHD 14787 NA  
## hostnameHD 147873 NA  
## hostnameHD 148156 NA  
## hostnameHD 148164 NA  
## hostnameHD 148427 NA  
## hostnameHD 149026 NA  
## hostnameHD 149143 NA  
## hostnameHD 149806 NA  
## hostnameHD 150010 NA  
## hostnameHD 1502 NA  
## hostnameHD 150706 NA  
## hostnameHD 151450 NA  
## hostnameHD 152079 NA  
## hostnameHD 152581 NA  
## hostnameHD 152843 NA  
## hostnameHD 15337 NA  
## hostnameHD 153557 NA  
## hostnameHD 153950 NA  
## hostnameHD 154088 NA  
## hostnameHD 154345 NA  
## hostnameHD 154672 NA  
## hostnameHD 154857 NA  
## hostnameHD 155193 NA  
## hostnameHD 155358 NA  
## hostnameHD 155918 NA  
## hostnameHD 156098 NA  
## hostnameHD 156279 NA  
## hostnameHD 156411 NA  
## hostnameHD 156668 NA  
## hostnameHD 156846 NA  
## hostnameHD 158038 NA  
## hostnameHD 158996 NA  
## hostnameHD 15906 NA  
## hostnameHD 159243 NA  
## hostnameHD 159868 NA  
## hostnameHD 1605 NA  
## hostnameHD 160691 NA  
## hostnameHD 161178 NA  
## hostnameHD 16141 NA  
## hostnameHD 16175 NA  
## hostnameHD 162020 NA  
## hostnameHD 163607 NA  
## hostnameHD 16417 NA  
## hostnameHD 164509 NA  
## hostnameHD 164595 NA  
## hostnameHD 164604 NA  
## hostnameHD 164922 NA  
## hostnameHD 165131 NA  
## hostnameHD 165155 NA  
## hostnameHD 1666 NA  
## hostnameHD 166724 NA  
## hostnameHD 167042 NA  
## hostnameHD 167677 NA  
## hostnameHD 167768 NA  
## hostnameHD 168009 NA  
## hostnameHD 168443 NA  
## hostnameHD 168746 NA  
## hostnameHD 168863 NA  
## hostnameHD 1690 NA  
## hostnameHD 16905 NA  
## hostnameHD 169830 NA  
## hostnameHD 170469 NA  
## hostnameHD 17092 NA  
## hostnameHD 171028 NA  
## hostnameHD 171238 NA  
## hostnameHD 17156 NA  
## hostnameHD 173416 NA  
## hostnameHD 174205 NA  
## hostnameHD 175167 NA  
## hostnameHD 175541 NA  
## hostnameHD 17674 NA  
## hostnameHD 176986 NA  
## hostnameHD 177565 NA  
## hostnameHD 177830 NA  
## hostnameHD 178911 B NA  
## hostnameHD 179079 NA  
## hostnameHD 179949 NA  
## hostnameHD 180053 NA  
## hostnameHD 18015 NA  
## hostnameHD 180314 NA  
## hostnameHD 180617 NA  
## hostnameHD 180902 NA  
## hostnameHD 181234 NA  
## hostnameHD 181342 NA  
## hostnameHD 18143 NA  
## hostnameHD 181433 NA  
## hostnameHD 181720 NA  
## hostnameHD 183263 NA  
## hostnameHD 183579 NA  
## hostnameHD 184010 NA  
## hostnameHD 18438 NA  
## hostnameHD 185269 NA  
## hostnameHD 185283 NA  
## hostnameHD 18599 NA  
## hostnameHD 187085 NA  
## hostnameHD 187123 NA  
## hostnameHD 18742 NA  
## hostnameHD 188015 NA  
## hostnameHD 188641 NA  
## hostnameHD 189567 NA  
## hostnameHD 189733 NA  
## hostnameHD 190007 NA  
## hostnameHD 190228 NA  
## hostnameHD 190360 NA  
## hostnameHD 190647 NA  
## hostnameHD 190984 NA  
## hostnameHD 191806 NA  
## hostnameHD 191939 NA  
## hostnameHD 192263 NA  
## hostnameHD 192310 NA  
## hostnameHD 192699 NA  
## hostnameHD 194490 NA  
## hostnameHD 195019 NA  
## hostnameHD 196050 NA  
## hostnameHD 196067 NA  
## hostnameHD 19615 NA  
## hostnameHD 196885 A NA  
## hostnameHD 197037 NA  
## hostnameHD 199509 NA  
## hostnameHD 19994 NA  
## hostnameHD 20003 NA  
## hostnameHD 200964 NA  
## hostnameHD 202206 NA  
## hostnameHD 202772 A NA  
## hostnameHD 20329 NA  
## hostnameHD 2039 NA  
## hostnameHD 204313 NA  
## hostnameHD 204941 NA  
## hostnameHD 205158 NA  
## hostnameHD 205739 NA  
## hostnameHD 206255 NA  
## hostnameHD 206610 NA  
## hostnameHD 206893 NA  
## hostnameHD 207496 NA  
## hostnameHD 20781 NA  
## hostnameHD 20782 NA  
## hostnameHD 207832 NA  
## hostnameHD 207897 NA  
## hostnameHD 20794 NA  
## hostnameHD 208487 NA  
## hostnameHD 208527 NA  
## hostnameHD 20868 NA  
## hostnameHD 208897 NA  
## hostnameHD 209458 NA  
## hostnameHD 210193 NA  
## hostnameHD 210277 NA  
## hostnameHD 210702 NA  
## hostnameHD 211403 NA  
## hostnameHD 211810 NA  
## hostnameHD 211970 NA  
## hostnameHD 212301 NA  
## hostnameHD 212771 NA  
## hostnameHD 213240 NA  
## hostnameHD 213472 NA  
## hostnameHD 213519 NA  
## hostnameHD 213885 NA  
## hostnameHD 21411 NA  
## hostnameHD 214823 NA  
## hostnameHD 215152 NA  
## hostnameHD 215497 NA  
## hostnameHD 216435 NA  
## hostnameHD 216437 NA  
## hostnameHD 216520 NA  
## hostnameHD 216536 NA  
## hostnameHD 216770 NA  
## hostnameHD 21693 NA  
## hostnameHD 217107 NA  
## hostnameHD 217786 NA  
## hostnameHD 217958 NA  
## hostnameHD 218566 NA  
## hostnameHD 219077 NA  
## hostnameHD 219134 NA  
## hostnameHD 219139 NA  
## hostnameHD 219415 NA  
## hostnameHD 219666 NA  
## hostnameHD 219828 NA  
## hostnameHD 220074 NA  
## hostnameHD 220197 NA  
## hostnameHD 220689 NA  
## hostnameHD 220773 NA  
## hostnameHD 220842 NA  
## hostnameHD 221287 NA  
## hostnameHD 221416 NA  
## hostnameHD 221420 NA  
## hostnameHD 221585 NA  
## hostnameHD 222076 NA  
## hostnameHD 222155 NA  
## hostnameHD 222582 NA  
## hostnameHD 224538 NA  
## hostnameHD 224693 NA  
## hostnameHD 22532 NA  
## hostnameHD 22781 NA  
## hostnameHD 22946 NA  
## hostnameHD 23079 NA  
## hostnameHD 23127 NA  
## hostnameHD 231701 NA  
## hostnameHD 233604 NA  
## hostnameHD 233832 NA  
## hostnameHD 23472 NA  
## hostnameHD 23596 NA  
## hostnameHD 238090 NA  
## hostnameHD 238914 NA  
## hostnameHD 240210 NA  
## hostnameHD 240237 NA  
## hostnameHD 24040 NA  
## hostnameHD 24064 NA  
## hostnameHD 24085 NA  
## hostnameHD 25015 NA  
## hostnameHD 25171 NA  
## hostnameHD 25723 NA  
## hostnameHD 25912 NA  
## hostnameHD 260655 NA  
## hostnameHD 26161 NA  
## hostnameHD 2638 NA  
## hostnameHD 2685 NA  
## hostnameHD 27442 NA  
## hostnameHD 27631 NA  
## hostnameHD 27894 NA  
## hostnameHD 27969 NA  
## hostnameHD 28109 NA  
## hostnameHD 28185 NA  
## hostnameHD 28192 NA  
## hostnameHD 28254 NA  
## hostnameHD 285507 NA  
## hostnameHD 285968 NA  
## hostnameHD 28678 NA  
## hostnameHD 29021 NA  
## hostnameHD 290327 NA  
## hostnameHD 29399 NA  
## hostnameHD 2952 NA  
## hostnameHD 29985 NA  
## hostnameHD 30177 NA  
## hostnameHD 30562 NA  
## hostnameHD 30669 NA  
## hostnameHD 307842 NA  
## hostnameHD 30856 NA  
## hostnameHD 31253 NA  
## hostnameHD 31527 NA  
## hostnameHD 3167 NA  
## hostnameHD 32518 NA  
## hostnameHD 32963 NA  
## hostnameHD 330075 NA  
## hostnameHD 331093 NA  
## hostnameHD 33142 NA  
## hostnameHD 332231 NA  
## hostnameHD 33283 NA  
## hostnameHD 33564 NA  
## hostnameHD 33844 NA  
## hostnameHD 34445 NA  
## hostnameHD 35759 NA  
## hostnameHD 360 NA  
## hostnameHD 36384 NA  
## hostnameHD 3651 NA  
## hostnameHD 37124 NA  
## hostnameHD 37605 NA  
## hostnameHD 3765 NA  
## hostnameHD 38283 NA  
## hostnameHD 38529 NA  
## hostnameHD 38801 NA  
## hostnameHD 39091 NA  
## hostnameHD 39194 NA  
## hostnameHD 39855 NA  
## hostnameHD 40307 NA  
## hostnameHD 40956 NA  
## hostnameHD 40979 NA  
## hostnameHD 4113 NA  
## hostnameHD 42012 NA  
## hostnameHD 4203 NA  
## hostnameHD 4208 NA  
## hostnameHD 42618 NA  
## hostnameHD 4308 NA  
## hostnameHD 4313 NA  
## hostnameHD 43197 NA  
## hostnameHD 43691 NA  
## hostnameHD 44219 NA  
## hostnameHD 45184 NA  
## hostnameHD 45350 NA  
## hostnameHD 45364 NA  
## hostnameHD 45652 NA  
## hostnameHD 457 NA  
## hostnameHD 46375 NA  
## hostnameHD 47186 NA  
## hostnameHD 4732 NA  
## hostnameHD 47366 NA  
## hostnameHD 47536 NA  
## hostnameHD 4760 NA  
## hostnameHD 48265 NA  
## hostnameHD 4917 NA  
## hostnameHD 49674 NA  
## hostnameHD 50499 NA  
## hostnameHD 50554 NA  
## hostnameHD 51608 NA  
## hostnameHD 52265 NA  
## hostnameHD 5278 NA  
## hostnameHD 5319 NA  
## hostnameHD 55696 NA  
## hostnameHD 5583 NA  
## hostnameHD 5608 NA  
## hostnameHD 564 NA  
## hostnameHD 56414 NA  
## hostnameHD 56957 NA  
## hostnameHD 5891 NA  
## hostnameHD 59686 A NA  
## hostnameHD 60292 NA  
## hostnameHD 60532 NA  
## hostnameHD 62364 NA  
## hostnameHD 62549 NA  
## hostnameHD 63433 NA  
## hostnameHD 63454 NA  
## hostnameHD 63765 NA  
## hostnameHD 64114 NA  
## hostnameHD 64121 NA  
## hostnameHD 6434 NA  
## hostnameHD 65216 NA  
## hostnameHD 66141 NA  
## hostnameHD 66428 NA  
## hostnameHD 67087 NA  
## hostnameHD 6718 NA  
## hostnameHD 68402 NA  
## hostnameHD 68988 NA  
## hostnameHD 69123 NA  
## hostnameHD 69830 NA  
## hostnameHD 70573 NA  
## hostnameHD 70642 NA  
## hostnameHD 7199 NA  
## hostnameHD 72490 NA  
## hostnameHD 72659 NA  
## hostnameHD 72892 NA  
## hostnameHD 73256 NA  
## hostnameHD 73267 NA  
## hostnameHD 73526 NA  
## hostnameHD 73534 NA  
## hostnameHD 73583 NA  
## hostnameHD 74156 NA  
## hostnameHD 7449 NA  
## hostnameHD 74698 NA  
## hostnameHD 75289 NA  
## hostnameHD 75302 NA  
## hostnameHD 75784 NA  
## hostnameHD 75898 NA  
## hostnameHD 76700 NA  
## hostnameHD 76920 NA  
## hostnameHD 77338 NA  
## hostnameHD 79181 NA  
## hostnameHD 7924 NA  
## hostnameHD 79498 NA  
## hostnameHD 80606 NA  
## hostnameHD 80653 NA  
## hostnameHD 80869 NA  
## hostnameHD 80883 NA  
## hostnameHD 80913 NA  
## hostnameHD 81040 NA  
## hostnameHD 81688 NA  
## hostnameHD 81817 NA  
## hostnameHD 82886 NA  
## hostnameHD 82943 NA  
## hostnameHD 8326 NA  
## hostnameHD 83443 NA  
## hostnameHD 8535 NA  
## hostnameHD 85390 NA  
## hostnameHD 85512 NA  
## hostnameHD 8574 NA  
## hostnameHD 86065 NA  
## hostnameHD 86081 NA  
## hostnameHD 86226 NA  
## hostnameHD 86264 NA  
## hostnameHD 8673 NA  
## hostnameHD 86950 NA  
## hostnameHD 87646 NA  
## hostnameHD 87883 NA  
## hostnameHD 88072 NA  
## hostnameHD 88133 NA  
## hostnameHD 89307 NA  
## hostnameHD 89345 NA  
## hostnameHD 89744 NA  
## hostnameHD 89839 NA  
## hostnameHD 90156 NA  
## hostnameHD 9174 NA  
## hostnameHD 92788 NA  
## hostnameHD 93083 NA  
## hostnameHD 93351 NA  
## hostnameHD 93385 NA  
## hostnameHD 9446 NA  
## hostnameHD 94771 NA  
## hostnameHD 94834 NA  
## hostnameHD 95089 NA  
## hostnameHD 95127 NA  
## hostnameHD 95338 NA  
## hostnameHD 95544 NA  
## hostnameHD 95872 NA  
## hostnameHD 96063 NA  
## hostnameHD 96127 NA  
## hostnameHD 96167 NA  
## hostnameHD 96700 NA  
## hostnameHD 96992 NA  
## hostnameHD 97037 NA  
## hostnameHD 97658 NA  
## hostnameHD 98219 NA  
## hostnameHD 98649 NA  
## hostnameHD 98736 NA  
## hostnameHD 99109 NA  
## hostnameHD 99283 NA  
## hostnameHD 99492 NA  
## hostnameHD 99706 NA  
## hostnameHIP 105854 NA  
## hostnameHIP 107772 NA  
## hostnameHIP 107773 NA  
## hostnameHIP 109384 NA  
## hostnameHIP 109600 NA  
## hostnameHIP 114933 NA  
## hostnameHIP 116454 NA  
## hostnameHIP 12961 NA  
## hostnameHIP 14810 NA  
## hostnameHIP 19976 NA  
## hostnameHIP 21152 NA  
## hostnameHIP 34222 NA  
## hostnameHIP 35173 NA  
## hostnameHIP 35965 NA  
## hostnameHIP 38594 NA  
## hostnameHIP 4845 NA  
## hostnameHIP 48714 NA  
## hostnameHIP 5158 NA  
## hostnameHIP 54373 NA  
## hostnameHIP 54597 NA  
## hostnameHIP 55507 NA  
## hostnameHIP 56640 NA  
## hostnameHIP 57274 NA  
## hostnameHIP 5763 NA  
## hostnameHIP 63242 NA  
## hostnameHIP 65 A NA  
## hostnameHIP 65407 NA  
## hostnameHIP 65891 NA  
## hostnameHIP 67537 NA  
## hostnameHIP 67851 NA  
## hostnameHIP 70849 NA  
## hostnameHIP 71135 NA  
## hostnameHIP 74890 NA  
## hostnameHIP 75056 A NA  
## hostnameHIP 75092 NA  
## hostnameHIP 79431 NA  
## hostnameHIP 8541 NA  
## hostnameHIP 90988 NA  
## hostnameHIP 91258 NA  
## hostnameHIP 948 NA  
## hostnameHIP 9618 NA  
## hostnameHIP 97166 NA  
## hostnameHIP 97233 NA  
## hostnameHIP 99770 NA  
## hostnameHN Lib NA  
## hostnameHR 5183 NA  
## hostnameHR 810 NA  
## hostnameHR 858 NA  
## hostnameHR 8799 NA  
## hostnameIC 4651 9122 NA  
## hostnameiot Dra NA  
## hostnameK2-10 NA  
## hostnameK2-100 NA  
## hostnameK2-101 NA  
## hostnameK2-104 NA  
## hostnameK2-107 NA  
## hostnameK2-108 NA  
## hostnameK2-110 NA  
## hostnameK2-111 NA  
## hostnameK2-113 NA  
## hostnameK2-114 NA  
## hostnameK2-115 NA  
## hostnameK2-116 NA  
## hostnameK2-117 NA  
## hostnameK2-118 NA  
## hostnameK2-119 NA  
## hostnameK2-12 NA  
## hostnameK2-121 NA  
## hostnameK2-122 NA  
## hostnameK2-123 NA  
## hostnameK2-124 NA  
## hostnameK2-125 NA  
## hostnameK2-126 NA  
## hostnameK2-127 NA  
## hostnameK2-128 NA  
## hostnameK2-129 NA  
## hostnameK2-130 NA  
## hostnameK2-131 NA  
## hostnameK2-132 NA  
## hostnameK2-136 NA  
## hostnameK2-138 NA  
## hostnameK2-139 NA  
## hostnameK2-14 NA  
## hostnameK2-140 NA  
## hostnameK2-141 NA  
## hostnameK2-146 NA  
## hostnameK2-167 NA  
## hostnameK2-17 NA  
## hostnameK2-18 NA  
## hostnameK2-180 NA  
## hostnameK2-182 NA  
## hostnameK2-19 NA  
## hostnameK2-199 NA  
## hostnameK2-21 NA  
## hostnameK2-216 NA  
## hostnameK2-222 NA  
## hostnameK2-229 NA  
## hostnameK2-232 NA  
## hostnameK2-233 NA  
## hostnameK2-237 NA  
## hostnameK2-238 NA  
## hostnameK2-24 NA  
## hostnameK2-25 NA  
## hostnameK2-260 NA  
## hostnameK2-261 NA  
## hostnameK2-263 NA  
## hostnameK2-264 NA  
## hostnameK2-265 NA  
## hostnameK2-266 NA  
## hostnameK2-27 NA  
## hostnameK2-28 NA  
## hostnameK2-280 NA  
## hostnameK2-284 NA  
## hostnameK2-285 NA  
## hostnameK2-287 NA  
## hostnameK2-29 NA  
## hostnameK2-290 NA  
## hostnameK2-291 NA  
## hostnameK2-292 NA  
## hostnameK2-295 NA  
## hostnameK2-3 NA  
## hostnameK2-30 NA  
## hostnameK2-31 NA  
## hostnameK2-32 NA  
## hostnameK2-329 NA  
## hostnameK2-34 NA  
## hostnameK2-35 NA  
## hostnameK2-36 NA  
## hostnameK2-38 NA  
## hostnameK2-39 NA  
## hostnameK2-4 NA  
## hostnameK2-43 NA  
## hostnameK2-45 NA  
## hostnameK2-55 NA  
## hostnameK2-60 NA  
## hostnameK2-66 NA  
## hostnameK2-72 NA  
## hostnameK2-79 NA  
## hostnameK2-81 NA  
## hostnameK2-83 NA  
## hostnameK2-85 NA  
## hostnameK2-88 NA  
## hostnameK2-89 NA  
## hostnameK2-90 NA  
## hostnameK2-91 NA  
## hostnameK2-95 NA  
## hostnameK2-97 NA  
## hostnameK2-98 NA  
## hostnameK2-99 NA  
## hostnamekap CrB NA  
## hostnameKapteyn NA  
## hostnameKELT-1 NA  
## hostnameKELT-11 NA  
## hostnameKELT-12 NA  
## hostnameKELT-14 NA  
## hostnameKELT-15 NA  
## hostnameKELT-16 NA  
## hostnameKELT-18 NA  
## hostnameKELT-2 A NA  
## hostnameKELT-20 NA  
## hostnameKELT-21 NA  
## hostnameKELT-23 A NA  
## hostnameKELT-24 NA  
## hostnameKELT-3 NA  
## hostnameKELT-4 A NA  
## hostnameKELT-6 NA  
## hostnameKELT-7 NA  
## hostnameKELT-8 NA  
## hostnameKELT-9 NA  
## hostnameKepler-10 NA  
## hostnameKepler-100 NA  
## hostnameKepler-1000 NA  
## hostnameKepler-1001 NA  
## hostnameKepler-1002 NA  
## hostnameKepler-1003 NA  
## hostnameKepler-1004 NA  
## hostnameKepler-1005 NA  
## hostnameKepler-1007 NA  
## hostnameKepler-1008 NA  
## hostnameKepler-1009 NA  
## hostnameKepler-101 NA  
## hostnameKepler-1010 NA  
## hostnameKepler-1011 NA  
## hostnameKepler-1012 NA  
## hostnameKepler-1013 NA  
## hostnameKepler-1014 NA  
## hostnameKepler-1015 NA  
## hostnameKepler-1016 NA  
## hostnameKepler-1017 NA  
## hostnameKepler-1018 NA  
## hostnameKepler-1019 NA  
## hostnameKepler-102 NA  
## hostnameKepler-1020 NA  
## hostnameKepler-1021 NA  
## hostnameKepler-1022 NA  
## hostnameKepler-1023 NA  
## hostnameKepler-1024 NA  
## hostnameKepler-1025 NA  
## hostnameKepler-1026 NA  
## hostnameKepler-1027 NA  
## hostnameKepler-1028 NA  
## hostnameKepler-1029 NA  
## hostnameKepler-103 NA  
## hostnameKepler-1030 NA  
## hostnameKepler-1032 NA  
## hostnameKepler-1033 NA  
## hostnameKepler-1034 NA  
## hostnameKepler-1035 NA  
## hostnameKepler-1036 NA  
## hostnameKepler-1037 NA  
## hostnameKepler-1038 NA  
## hostnameKepler-1039 NA  
## hostnameKepler-104 NA  
## hostnameKepler-1040 NA  
## hostnameKepler-1041 NA  
## hostnameKepler-1042 NA  
## hostnameKepler-1043 NA  
## hostnameKepler-1044 NA  
## hostnameKepler-1045 NA  
## hostnameKepler-1046 NA  
## hostnameKepler-1047 NA  
## hostnameKepler-1048 NA  
## hostnameKepler-1049 NA  
## hostnameKepler-105 NA  
## hostnameKepler-1050 NA  
## hostnameKepler-1051 NA  
## hostnameKepler-1052 NA  
## hostnameKepler-1053 NA  
## hostnameKepler-1054 NA  
## hostnameKepler-1055 NA  
## hostnameKepler-1056 NA  
## hostnameKepler-1057 NA  
## hostnameKepler-1058 NA  
## hostnameKepler-1059 NA  
## hostnameKepler-106 NA  
## hostnameKepler-1060 NA  
## hostnameKepler-1061 NA  
## hostnameKepler-1062 NA  
## hostnameKepler-1064 NA  
## hostnameKepler-1065 NA  
## hostnameKepler-1066 NA  
## hostnameKepler-1067 NA  
## hostnameKepler-1068 NA  
## hostnameKepler-1069 NA  
## hostnameKepler-107 NA  
## hostnameKepler-1070 NA  
## hostnameKepler-1071 NA  
## hostnameKepler-1072 NA  
## hostnameKepler-1073 NA  
## hostnameKepler-1074 NA  
## hostnameKepler-1075 NA  
## hostnameKepler-1076 NA  
## hostnameKepler-1077 NA  
## hostnameKepler-1078 NA  
## hostnameKepler-108 NA  
## hostnameKepler-1080 NA  
## hostnameKepler-1081 NA  
## hostnameKepler-1082 NA  
## hostnameKepler-1083 NA  
## hostnameKepler-1084 NA  
## hostnameKepler-1085 NA  
## hostnameKepler-1086 NA  
## hostnameKepler-1087 NA  
## hostnameKepler-1088 NA  
## hostnameKepler-1089 NA  
## hostnameKepler-109 NA  
## hostnameKepler-1090 NA  
## hostnameKepler-1091 NA  
## hostnameKepler-1092 NA  
## hostnameKepler-1093 NA  
## hostnameKepler-1094 NA  
## hostnameKepler-1095 NA  
## hostnameKepler-1096 NA  
## hostnameKepler-1097 NA  
## hostnameKepler-1098 NA  
## hostnameKepler-1099 NA  
## hostnameKepler-11 NA  
## hostnameKepler-110 NA  
## hostnameKepler-1100 NA  
## hostnameKepler-1101 NA  
## hostnameKepler-1102 NA  
## hostnameKepler-1103 NA  
## hostnameKepler-1104 NA  
## hostnameKepler-1105 NA  
## hostnameKepler-1106 NA  
## hostnameKepler-1107 NA  
## hostnameKepler-1108 NA  
## hostnameKepler-1109 NA  
## hostnameKepler-111 NA  
## hostnameKepler-1110 NA  
## hostnameKepler-1111 NA  
## hostnameKepler-1112 NA  
## hostnameKepler-1113 NA  
## hostnameKepler-1114 NA  
## hostnameKepler-1115 NA  
## hostnameKepler-1116 NA  
## hostnameKepler-1117 NA  
## hostnameKepler-1118 NA  
## hostnameKepler-1119 NA  
## hostnameKepler-112 NA  
## hostnameKepler-1120 NA  
## hostnameKepler-1121 NA  
## hostnameKepler-1122 NA  
## hostnameKepler-1123 NA  
## hostnameKepler-1124 NA  
## hostnameKepler-1125 NA  
## hostnameKepler-1126 NA  
## hostnameKepler-1127 NA  
## hostnameKepler-1128 NA  
## hostnameKepler-1129 NA  
## hostnameKepler-113 NA  
## hostnameKepler-1130 NA  
## hostnameKepler-1131 NA  
## hostnameKepler-1132 NA  
## hostnameKepler-1133 NA  
## hostnameKepler-1134 NA  
## hostnameKepler-1135 NA  
## hostnameKepler-1136 NA  
## hostnameKepler-1137 NA  
## hostnameKepler-1138 NA  
## hostnameKepler-1139 NA  
## hostnameKepler-114 NA  
## hostnameKepler-1140 NA  
## hostnameKepler-1141 NA  
## hostnameKepler-1142 NA  
## hostnameKepler-1143 NA  
## hostnameKepler-1144 NA  
## hostnameKepler-1145 NA  
## hostnameKepler-1146 NA  
## hostnameKepler-1147 NA  
## hostnameKepler-1148 NA  
## hostnameKepler-1149 NA  
## hostnameKepler-115 NA  
## hostnameKepler-1150 NA  
## hostnameKepler-1151 NA  
## hostnameKepler-1152 NA  
## hostnameKepler-1153 NA  
## hostnameKepler-1154 NA  
## hostnameKepler-1155 NA  
## hostnameKepler-1156 NA  
## hostnameKepler-1157 NA  
## hostnameKepler-1158 NA  
## hostnameKepler-1159 NA  
## hostnameKepler-116 NA  
## hostnameKepler-1160 NA  
## hostnameKepler-1161 NA  
## hostnameKepler-1162 NA  
## hostnameKepler-1163 NA  
## hostnameKepler-1164 NA  
## hostnameKepler-1165 NA  
## hostnameKepler-1166 NA  
## hostnameKepler-1167 NA  
## hostnameKepler-1168 NA  
## hostnameKepler-1169 NA  
## hostnameKepler-117 NA  
## hostnameKepler-1170 NA  
## hostnameKepler-1171 NA  
## hostnameKepler-1172 NA  
## hostnameKepler-1173 NA  
## hostnameKepler-1174 NA  
## hostnameKepler-1175 NA  
## hostnameKepler-1176 NA  
## hostnameKepler-1177 NA  
## hostnameKepler-1178 NA  
## hostnameKepler-1179 NA  
## hostnameKepler-118 NA  
## hostnameKepler-1180 NA  
## hostnameKepler-1181 NA  
## hostnameKepler-1182 NA  
## hostnameKepler-1183 NA  
## hostnameKepler-1184 NA  
## hostnameKepler-1185 NA  
## hostnameKepler-1186 NA  
## hostnameKepler-1187 NA  
## hostnameKepler-1188 NA  
## hostnameKepler-1189 NA  
## hostnameKepler-119 NA  
## hostnameKepler-1190 NA  
## hostnameKepler-1191 NA  
## hostnameKepler-1192 NA  
## hostnameKepler-1193 NA  
## hostnameKepler-1194 NA  
## hostnameKepler-1195 NA  
## hostnameKepler-1196 NA  
## hostnameKepler-1197 NA  
## hostnameKepler-1198 NA  
## hostnameKepler-1199 NA  
## hostnameKepler-12 NA  
## hostnameKepler-120 NA  
## hostnameKepler-1200 NA  
## hostnameKepler-1201 NA  
## hostnameKepler-1202 NA  
## hostnameKepler-1203 NA  
## hostnameKepler-1204 NA  
## hostnameKepler-1205 NA  
## hostnameKepler-1206 NA  
## hostnameKepler-1207 NA  
## hostnameKepler-1208 NA  
## hostnameKepler-1209 NA  
## hostnameKepler-121 NA  
## hostnameKepler-1210 NA  
## hostnameKepler-1211 NA  
## hostnameKepler-1212 NA  
## hostnameKepler-1213 NA  
## hostnameKepler-1214 NA  
## hostnameKepler-1215 NA  
## hostnameKepler-1216 NA  
## hostnameKepler-1217 NA  
## hostnameKepler-1218 NA  
## hostnameKepler-1219 NA  
## hostnameKepler-122 NA  
## hostnameKepler-1220 NA  
## hostnameKepler-1221 NA  
## hostnameKepler-1222 NA  
## hostnameKepler-1223 NA  
## hostnameKepler-1224 NA  
## hostnameKepler-1225 NA  
## hostnameKepler-1226 NA  
## hostnameKepler-1227 NA  
## hostnameKepler-1228 NA  
## hostnameKepler-1229 NA  
## hostnameKepler-123 NA  
## hostnameKepler-1230 NA  
## hostnameKepler-1231 NA  
## hostnameKepler-1232 NA  
## hostnameKepler-1233 NA  
## hostnameKepler-1234 NA  
## hostnameKepler-1235 NA  
## hostnameKepler-1236 NA  
## hostnameKepler-1237 NA  
## hostnameKepler-1238 NA  
## hostnameKepler-1239 NA  
## hostnameKepler-124 NA  
## hostnameKepler-1240 NA  
## hostnameKepler-1241 NA  
## hostnameKepler-1242 NA  
## hostnameKepler-1243 NA  
## hostnameKepler-1244 NA  
## hostnameKepler-1245 NA  
## hostnameKepler-1246 NA  
## hostnameKepler-1247 NA  
## hostnameKepler-1248 NA  
## hostnameKepler-1249 NA  
## hostnameKepler-125 NA  
## hostnameKepler-1250 NA  
## hostnameKepler-1251 NA  
## hostnameKepler-1252 NA  
## hostnameKepler-1253 NA  
## hostnameKepler-1254 NA  
## hostnameKepler-1255 NA  
## hostnameKepler-1256 NA  
## hostnameKepler-1257 NA  
## hostnameKepler-1258 NA  
## hostnameKepler-1259 NA  
## hostnameKepler-126 NA  
## hostnameKepler-1260 NA  
## hostnameKepler-1261 NA  
## hostnameKepler-1262 NA  
## hostnameKepler-1263 NA  
## hostnameKepler-1264 NA  
## hostnameKepler-1265 NA  
## hostnameKepler-1266 NA  
## hostnameKepler-1267 NA  
## hostnameKepler-1268 NA  
## hostnameKepler-1269 NA  
## hostnameKepler-127 NA  
## hostnameKepler-1270 NA  
## hostnameKepler-1271 NA  
## hostnameKepler-1272 NA  
## hostnameKepler-1273 NA  
## hostnameKepler-1274 NA  
## hostnameKepler-1275 NA  
## hostnameKepler-1276 NA  
## hostnameKepler-1277 NA  
## hostnameKepler-1278 NA  
## hostnameKepler-1279 NA  
## hostnameKepler-128 NA  
## hostnameKepler-1280 NA  
## hostnameKepler-1281 NA  
## hostnameKepler-1282 NA  
## hostnameKepler-1283 NA  
## hostnameKepler-1284 NA  
## hostnameKepler-1285 NA  
## hostnameKepler-1286 NA  
## hostnameKepler-1287 NA  
## hostnameKepler-1288 NA  
## hostnameKepler-1289 NA  
## hostnameKepler-129 NA  
## hostnameKepler-1290 NA  
## hostnameKepler-1291 NA  
## hostnameKepler-1292 NA  
## hostnameKepler-1293 NA  
## hostnameKepler-1294 NA  
## hostnameKepler-1295 NA  
## hostnameKepler-1296 NA  
## hostnameKepler-1297 NA  
## hostnameKepler-1298 NA  
## hostnameKepler-1299 NA  
## hostnameKepler-130 NA  
## hostnameKepler-1300 NA  
## hostnameKepler-1301 NA  
## hostnameKepler-1302 NA  
## hostnameKepler-1303 NA  
## hostnameKepler-1304 NA  
## hostnameKepler-1305 NA  
## hostnameKepler-1306 NA  
## hostnameKepler-1307 NA  
## hostnameKepler-1308 NA  
## hostnameKepler-1309 NA  
## hostnameKepler-131 NA  
## hostnameKepler-1310 NA  
## hostnameKepler-1311 NA  
## hostnameKepler-1312 NA  
## hostnameKepler-1313 NA  
## hostnameKepler-1314 NA  
## hostnameKepler-1315 NA  
## hostnameKepler-1316 NA  
## hostnameKepler-1317 NA  
## hostnameKepler-1318 NA  
## hostnameKepler-1319 NA  
## hostnameKepler-1320 NA  
## hostnameKepler-1321 NA  
## hostnameKepler-1322 NA  
## hostnameKepler-1323 NA  
## hostnameKepler-1324 NA  
## hostnameKepler-1325 NA  
## hostnameKepler-1326 NA  
## hostnameKepler-1327 NA  
## hostnameKepler-1328 NA  
## hostnameKepler-1329 NA  
## hostnameKepler-133 NA  
## hostnameKepler-1330 NA  
## hostnameKepler-1331 NA  
## hostnameKepler-1332 NA  
## hostnameKepler-1333 NA  
## hostnameKepler-1334 NA  
## hostnameKepler-1335 NA  
## hostnameKepler-1336 NA  
## hostnameKepler-1337 NA  
## hostnameKepler-1338 NA  
## hostnameKepler-1339 NA  
## hostnameKepler-134 NA  
## hostnameKepler-1340 NA  
## hostnameKepler-1341 NA  
## hostnameKepler-1342 NA  
## hostnameKepler-1343 NA  
## hostnameKepler-1344 NA  
## hostnameKepler-1345 NA  
## hostnameKepler-1346 NA  
## hostnameKepler-1347 NA  
## hostnameKepler-1348 NA  
## hostnameKepler-1349 NA  
## hostnameKepler-135 NA  
## hostnameKepler-1350 NA  
## hostnameKepler-1351 NA  
## hostnameKepler-1352 NA  
## hostnameKepler-1353 NA  
## hostnameKepler-1354 NA  
## hostnameKepler-1355 NA  
## hostnameKepler-1356 NA  
## hostnameKepler-1357 NA  
## hostnameKepler-1358 NA  
## hostnameKepler-1359 NA  
## hostnameKepler-136 NA  
## hostnameKepler-1360 NA  
## hostnameKepler-1361 NA  
## hostnameKepler-1362 NA  
## hostnameKepler-1363 NA  
## hostnameKepler-1364 NA  
## hostnameKepler-1365 NA  
## hostnameKepler-1366 NA  
## hostnameKepler-1367 NA  
## hostnameKepler-1368 NA  
## hostnameKepler-1369 NA  
## hostnameKepler-137 NA  
## hostnameKepler-1370 NA  
## hostnameKepler-1371 NA  
## hostnameKepler-1372 NA  
## hostnameKepler-1373 NA  
## hostnameKepler-1374 NA  
## hostnameKepler-1375 NA  
## hostnameKepler-1376 NA  
## hostnameKepler-1377 NA  
## hostnameKepler-1378 NA  
## hostnameKepler-1379 NA  
## hostnameKepler-138 NA  
## hostnameKepler-1380 NA  
## hostnameKepler-1381 NA  
## hostnameKepler-1382 NA  
## hostnameKepler-1383 NA  
## hostnameKepler-1384 NA  
## hostnameKepler-1385 NA  
## hostnameKepler-1386 NA  
## hostnameKepler-1387 NA  
## hostnameKepler-1388 NA  
## hostnameKepler-1389 NA  
## hostnameKepler-139 NA  
## hostnameKepler-1390 NA  
## hostnameKepler-1391 NA  
## hostnameKepler-1392 NA  
## hostnameKepler-1393 NA  
## hostnameKepler-1394 NA  
## hostnameKepler-1395 NA  
## hostnameKepler-1396 NA  
## hostnameKepler-1397 NA  
## hostnameKepler-1398 NA  
## hostnameKepler-1399 NA  
## hostnameKepler-140 NA  
## hostnameKepler-1400 NA  
## hostnameKepler-1401 NA  
## hostnameKepler-1402 NA  
## hostnameKepler-1403 NA  
## hostnameKepler-1404 NA  
## hostnameKepler-1405 NA  
## hostnameKepler-1406 NA  
## hostnameKepler-1407 NA  
## hostnameKepler-1408 NA  
## hostnameKepler-1409 NA  
## hostnameKepler-141 NA  
## hostnameKepler-1410 NA  
## hostnameKepler-1411 NA  
## hostnameKepler-1412 NA  
## hostnameKepler-1413 NA  
## hostnameKepler-1414 NA  
## hostnameKepler-1415 NA  
## hostnameKepler-1416 NA  
## hostnameKepler-1417 NA  
## hostnameKepler-1418 NA  
## hostnameKepler-1419 NA  
## hostnameKepler-142 NA  
## hostnameKepler-1420 NA  
## hostnameKepler-1421 NA  
## hostnameKepler-1422 NA  
## hostnameKepler-1423 NA  
## hostnameKepler-1424 NA  
## hostnameKepler-1425 NA  
## hostnameKepler-1426 NA  
## hostnameKepler-1427 NA  
## hostnameKepler-1428 NA  
## hostnameKepler-1429 NA  
## hostnameKepler-143 NA  
## hostnameKepler-1430 NA  
## hostnameKepler-1431 NA  
## hostnameKepler-1432 NA  
## hostnameKepler-1434 NA  
## hostnameKepler-1435 NA  
## hostnameKepler-1436 NA  
## hostnameKepler-1437 NA  
## hostnameKepler-1438 NA  
## hostnameKepler-1439 NA  
## hostnameKepler-144 NA  
## hostnameKepler-1440 NA  
## hostnameKepler-1441 NA  
## hostnameKepler-1442 NA  
## hostnameKepler-1443 NA  
## hostnameKepler-1444 NA  
## hostnameKepler-1445 NA  
## hostnameKepler-1446 NA  
## hostnameKepler-1447 NA  
## hostnameKepler-1448 NA  
## hostnameKepler-1449 NA  
## hostnameKepler-145 NA  
## hostnameKepler-1450 NA  
## hostnameKepler-1451 NA  
## hostnameKepler-1452 NA  
## hostnameKepler-1453 NA  
## hostnameKepler-1454 NA  
## hostnameKepler-1455 NA  
## hostnameKepler-1456 NA  
## hostnameKepler-1457 NA  
## hostnameKepler-1458 NA  
## hostnameKepler-1459 NA  
## hostnameKepler-146 NA  
## hostnameKepler-1460 NA  
## hostnameKepler-1461 NA  
## hostnameKepler-1462 NA  
## hostnameKepler-1463 NA  
## hostnameKepler-1464 NA  
## hostnameKepler-1465 NA  
## hostnameKepler-1466 NA  
## hostnameKepler-1467 NA  
## hostnameKepler-1468 NA  
## hostnameKepler-1469 NA  
## hostnameKepler-147 NA  
## hostnameKepler-1470 NA  
## hostnameKepler-1471 NA  
## hostnameKepler-1472 NA  
## hostnameKepler-1473 NA  
## hostnameKepler-1474 NA  
## hostnameKepler-1475 NA  
## hostnameKepler-1476 NA  
## hostnameKepler-1477 NA  
## hostnameKepler-1478 NA  
## hostnameKepler-1479 NA  
## hostnameKepler-148 NA  
## hostnameKepler-1480 NA  
## hostnameKepler-1481 NA  
## hostnameKepler-1482 NA  
## hostnameKepler-1483 NA  
## hostnameKepler-1484 NA  
## hostnameKepler-1485 NA  
## hostnameKepler-1486 NA  
## hostnameKepler-1487 NA  
## hostnameKepler-1488 NA  
## hostnameKepler-1489 NA  
## hostnameKepler-149 NA  
## hostnameKepler-1490 NA  
## hostnameKepler-1491 NA  
## hostnameKepler-1492 NA  
## hostnameKepler-1493 NA  
## hostnameKepler-1494 NA  
## hostnameKepler-1495 NA  
## hostnameKepler-1496 NA  
## hostnameKepler-1497 NA  
## hostnameKepler-1498 NA  
## hostnameKepler-1499 NA  
## hostnameKepler-15 NA  
## hostnameKepler-150 NA  
## hostnameKepler-1500 NA  
## hostnameKepler-1501 NA  
## hostnameKepler-1502 NA  
## hostnameKepler-1503 NA  
## hostnameKepler-1504 NA  
## hostnameKepler-1505 NA  
## hostnameKepler-1506 NA  
## hostnameKepler-1507 NA  
## hostnameKepler-1508 NA  
## hostnameKepler-1509 NA  
## hostnameKepler-151 NA  
## hostnameKepler-1510 NA  
## hostnameKepler-1511 NA  
## hostnameKepler-1512 NA  
## hostnameKepler-1513 NA  
## hostnameKepler-1514 NA  
## hostnameKepler-1515 NA  
## hostnameKepler-1516 NA  
## hostnameKepler-1517 NA  
## hostnameKepler-1518 NA  
## hostnameKepler-1519 NA  
## hostnameKepler-152 NA  
## hostnameKepler-1520 NA  
## hostnameKepler-1521 NA  
## hostnameKepler-1522 NA  
## hostnameKepler-1523 NA  
## hostnameKepler-1524 NA  
## hostnameKepler-1525 NA  
## hostnameKepler-1526 NA  
## hostnameKepler-1527 NA  
## hostnameKepler-1528 NA  
## hostnameKepler-1529 NA  
## hostnameKepler-153 NA  
## hostnameKepler-1530 NA  
## hostnameKepler-1531 NA  
## hostnameKepler-1532 NA  
## hostnameKepler-1533 NA  
## hostnameKepler-1534 NA  
## hostnameKepler-1535 NA  
## hostnameKepler-1536 NA  
## hostnameKepler-1537 NA  
## hostnameKepler-1538 NA  
## hostnameKepler-1539 NA  
## hostnameKepler-154 NA  
## hostnameKepler-1540 NA  
## hostnameKepler-1541 NA  
## hostnameKepler-1542 NA  
## hostnameKepler-1543 NA  
## hostnameKepler-1544 NA  
## hostnameKepler-1545 NA  
## hostnameKepler-1546 NA  
## hostnameKepler-1547 NA  
## hostnameKepler-1548 NA  
## hostnameKepler-1549 NA  
## hostnameKepler-155 NA  
## hostnameKepler-1550 NA  
## hostnameKepler-1551 NA  
## hostnameKepler-1552 NA  
## hostnameKepler-1553 NA  
## hostnameKepler-1554 NA  
## hostnameKepler-1555 NA  
## hostnameKepler-1556 NA  
## hostnameKepler-1557 NA  
## hostnameKepler-1558 NA  
## hostnameKepler-1559 NA  
## hostnameKepler-156 NA  
## hostnameKepler-1560 NA  
## hostnameKepler-1561 NA  
## hostnameKepler-1562 NA  
## hostnameKepler-1563 NA  
## hostnameKepler-1564 NA  
## hostnameKepler-1565 NA  
## hostnameKepler-1566 NA  
## hostnameKepler-1567 NA  
## hostnameKepler-1568 NA  
## hostnameKepler-1569 NA  
## hostnameKepler-157 NA  
## hostnameKepler-1570 NA  
## hostnameKepler-1571 NA  
## hostnameKepler-1572 NA  
## hostnameKepler-1573 NA  
## hostnameKepler-1574 NA  
## hostnameKepler-1575 NA  
## hostnameKepler-1576 NA  
## hostnameKepler-1577 NA  
## hostnameKepler-1578 NA  
## hostnameKepler-1579 NA  
## hostnameKepler-158 NA  
## hostnameKepler-1580 NA  
## hostnameKepler-1581 NA  
## hostnameKepler-1582 NA  
## hostnameKepler-1583 NA  
## hostnameKepler-1584 NA  
## hostnameKepler-1585 NA  
## hostnameKepler-1586 NA  
## hostnameKepler-1587 NA  
## hostnameKepler-1588 NA  
## hostnameKepler-1589 NA  
## hostnameKepler-159 NA  
## hostnameKepler-1590 NA  
## hostnameKepler-1591 NA  
## hostnameKepler-1592 NA  
## hostnameKepler-1593 NA  
## hostnameKepler-1594 NA  
## hostnameKepler-1595 NA  
## hostnameKepler-1596 NA  
## hostnameKepler-1597 NA  
## hostnameKepler-1598 NA  
## hostnameKepler-1599 NA  
## hostnameKepler-16 NA  
## hostnameKepler-160 NA  
## hostnameKepler-1600 NA  
## hostnameKepler-1601 NA  
## hostnameKepler-1602 NA  
## hostnameKepler-1603 NA  
## hostnameKepler-1604 NA  
## hostnameKepler-1605 NA  
## hostnameKepler-1606 NA  
## hostnameKepler-1607 NA  
## hostnameKepler-1608 NA  
## hostnameKepler-1609 NA  
## hostnameKepler-161 NA  
## hostnameKepler-1610 NA  
## hostnameKepler-1611 NA  
## hostnameKepler-1612 NA  
## hostnameKepler-1613 NA  
## hostnameKepler-1614 NA  
## hostnameKepler-1615 NA  
## hostnameKepler-1616 NA  
## hostnameKepler-1617 NA  
## hostnameKepler-1618 NA  
## hostnameKepler-1619 NA  
## hostnameKepler-162 NA  
## hostnameKepler-1620 NA  
## hostnameKepler-1621 NA  
## hostnameKepler-1622 NA  
## hostnameKepler-1623 NA  
## hostnameKepler-1624 NA  
## hostnameKepler-1625 NA  
## hostnameKepler-1626 NA  
## hostnameKepler-1627 NA  
## hostnameKepler-1628 NA  
## hostnameKepler-1629 NA  
## hostnameKepler-163 NA  
## hostnameKepler-1630 NA  
## hostnameKepler-1631 NA  
## hostnameKepler-1632 NA  
## hostnameKepler-1633 NA  
## hostnameKepler-1634 NA  
## hostnameKepler-1635 NA  
## hostnameKepler-1636 NA  
## hostnameKepler-1637 NA  
## hostnameKepler-1638 NA  
## hostnameKepler-1639 NA  
## hostnameKepler-164 NA  
## hostnameKepler-1640 NA  
## hostnameKepler-1641 NA  
## hostnameKepler-1642 NA  
## hostnameKepler-1643 NA  
## hostnameKepler-1644 NA  
## hostnameKepler-1645 NA  
## hostnameKepler-1646 NA  
## hostnameKepler-1647 NA  
## hostnameKepler-1649 NA  
## hostnameKepler-165 NA  
## hostnameKepler-1650 NA  
## hostnameKepler-1651 NA  
## hostnameKepler-1652 NA  
## hostnameKepler-1654 NA  
## hostnameKepler-1655 NA  
## hostnameKepler-1656 NA  
## hostnameKepler-1658 NA  
## hostnameKepler-166 NA  
## hostnameKepler-1661 NA  
## hostnameKepler-1663 NA  
## hostnameKepler-1664 NA  
## hostnameKepler-1665 NA  
## hostnameKepler-1666 NA  
## hostnameKepler-1667 NA  
## hostnameKepler-1668 NA  
## hostnameKepler-1669 NA  
## hostnameKepler-167 NA  
## hostnameKepler-1670 NA  
## hostnameKepler-1671 NA  
## hostnameKepler-1672 NA  
## hostnameKepler-1673 NA  
## hostnameKepler-1674 NA  
## hostnameKepler-1675 NA  
## hostnameKepler-1677 NA  
## hostnameKepler-1678 NA  
## hostnameKepler-1679 NA  
## hostnameKepler-168 NA  
## hostnameKepler-1680 NA  
## hostnameKepler-1681 NA  
## hostnameKepler-1682 NA  
## hostnameKepler-1683 NA  
## hostnameKepler-1684 NA  
## hostnameKepler-1685 NA  
## hostnameKepler-1686 NA  
## hostnameKepler-1687 NA  
## hostnameKepler-1688 NA  
## hostnameKepler-1689 NA  
## hostnameKepler-169 NA  
## hostnameKepler-1690 NA  
## hostnameKepler-1691 NA  
## hostnameKepler-1692 NA  
## hostnameKepler-1693 NA  
## hostnameKepler-1694 NA  
## hostnameKepler-1695 NA  
## hostnameKepler-1696 NA  
## hostnameKepler-1697 NA  
## hostnameKepler-1698 NA  
## hostnameKepler-1699 NA  
## hostnameKepler-17 NA  
## hostnameKepler-170 NA  
## hostnameKepler-1700 NA  
## hostnameKepler-1701 NA  
## hostnameKepler-1702 NA  
## hostnameKepler-1704 NA  
## hostnameKepler-1705 NA  
## hostnameKepler-1709 NA  
## hostnameKepler-171 NA  
## hostnameKepler-1710 NA  
## hostnameKepler-1711 NA  
## hostnameKepler-1712 NA  
## hostnameKepler-1713 NA  
## hostnameKepler-1714 NA  
## hostnameKepler-1715 NA  
## hostnameKepler-1716 NA  
## hostnameKepler-1717 NA  
## hostnameKepler-1718 NA  
## hostnameKepler-1719 NA  
## hostnameKepler-172 NA  
## hostnameKepler-1720 NA  
## hostnameKepler-1721 NA  
## hostnameKepler-1722 NA  
## hostnameKepler-1723 NA  
## hostnameKepler-1724 NA  
## hostnameKepler-1725 NA  
## hostnameKepler-1726 NA  
## hostnameKepler-1727 NA  
## hostnameKepler-1728 NA  
## hostnameKepler-1729 NA  
## hostnameKepler-173 NA  
## hostnameKepler-1730 NA  
## hostnameKepler-1731 NA  
## hostnameKepler-1732 NA  
## hostnameKepler-1733 NA  
## hostnameKepler-1734 NA  
## hostnameKepler-1735 NA  
## hostnameKepler-1736 NA  
## hostnameKepler-1738 NA  
## hostnameKepler-1739 NA  
## hostnameKepler-174 NA  
## hostnameKepler-1740 NA  
## hostnameKepler-1741 NA  
## hostnameKepler-1742 NA  
## hostnameKepler-1743 NA  
## hostnameKepler-1744 NA  
## hostnameKepler-1745 NA  
## hostnameKepler-1746 NA  
## hostnameKepler-1747 NA  
## hostnameKepler-1748 NA  
## hostnameKepler-1749 NA  
## hostnameKepler-175 NA  
## hostnameKepler-1750 NA  
## hostnameKepler-1751 NA  
## hostnameKepler-1752 NA  
## hostnameKepler-1753 NA  
## hostnameKepler-1754 NA  
## hostnameKepler-1755 NA  
## hostnameKepler-1757 NA  
## hostnameKepler-1758 NA  
## hostnameKepler-1759 NA  
## hostnameKepler-176 NA  
## hostnameKepler-1761 NA  
## hostnameKepler-1762 NA  
## hostnameKepler-1763 NA  
## hostnameKepler-1764 NA  
## hostnameKepler-1765 NA  
## hostnameKepler-1766 NA  
## hostnameKepler-1767 NA  
## hostnameKepler-1768 NA  
## hostnameKepler-1769 NA  
## hostnameKepler-177 NA  
## hostnameKepler-1770 NA  
## hostnameKepler-1771 NA  
## hostnameKepler-1772 NA  
## hostnameKepler-1773 NA  
## hostnameKepler-1774 NA  
## hostnameKepler-1775 NA  
## hostnameKepler-1776 NA  
## hostnameKepler-1777 NA  
## hostnameKepler-1778 NA  
## hostnameKepler-1779 NA  
## hostnameKepler-178 NA  
## hostnameKepler-1780 NA  
## hostnameKepler-1781 NA  
## hostnameKepler-1782 NA  
## hostnameKepler-1783 NA  
## hostnameKepler-1784 NA  
## hostnameKepler-1785 NA  
## hostnameKepler-1786 NA  
## hostnameKepler-1787 NA  
## hostnameKepler-1788 NA  
## hostnameKepler-1789 NA  
## hostnameKepler-179 NA  
## hostnameKepler-1790 NA  
## hostnameKepler-1791 NA  
## hostnameKepler-1792 NA  
## hostnameKepler-1793 NA  
## hostnameKepler-1794 NA  
## hostnameKepler-1796 NA  
## hostnameKepler-1797 NA  
## hostnameKepler-1798 NA  
## hostnameKepler-1799 NA  
## hostnameKepler-18 NA  
## hostnameKepler-180 NA  
## hostnameKepler-1800 NA  
## hostnameKepler-1801 NA  
## hostnameKepler-1802 NA  
## hostnameKepler-1804 NA  
## hostnameKepler-1805 NA  
## hostnameKepler-1806 NA  
## hostnameKepler-1807 NA  
## hostnameKepler-1808 NA  
## hostnameKepler-1809 NA  
## hostnameKepler-181 NA  
## hostnameKepler-1810 NA  
## hostnameKepler-1811 NA  
## hostnameKepler-1812 NA  
## hostnameKepler-1814 NA  
## hostnameKepler-1815 NA  
## hostnameKepler-1816 NA  
## hostnameKepler-1817 NA  
## hostnameKepler-1818 NA  
## hostnameKepler-1819 NA  
## hostnameKepler-182 NA  
## hostnameKepler-1820 NA  
## hostnameKepler-1821 NA  
## hostnameKepler-1822 NA  
## hostnameKepler-1823 NA  
## hostnameKepler-1824 NA  
## hostnameKepler-1825 NA  
## hostnameKepler-1826 NA  
## hostnameKepler-1827 NA  
## hostnameKepler-1828 NA  
## hostnameKepler-1829 NA  
## hostnameKepler-183 NA  
## hostnameKepler-1830 NA  
## hostnameKepler-1831 NA  
## hostnameKepler-1832 NA  
## hostnameKepler-1833 NA  
## hostnameKepler-1834 NA  
## hostnameKepler-1835 NA  
## hostnameKepler-1836 NA  
## hostnameKepler-1837 NA  
## hostnameKepler-1838 NA  
## hostnameKepler-1839 NA  
## hostnameKepler-184 NA  
## hostnameKepler-1840 NA  
## hostnameKepler-1841 NA  
## hostnameKepler-1842 NA  
## hostnameKepler-1843 NA  
## hostnameKepler-1844 NA  
## hostnameKepler-1845 NA  
## hostnameKepler-1846 NA  
## hostnameKepler-1847 NA  
## hostnameKepler-1848 NA  
## hostnameKepler-1849 NA  
## hostnameKepler-185 NA  
## hostnameKepler-1850 NA  
## hostnameKepler-1851 NA  
## hostnameKepler-1852 NA  
## hostnameKepler-1853 NA  
## hostnameKepler-1854 NA  
## hostnameKepler-1856 NA  
## hostnameKepler-1857 NA  
## hostnameKepler-1858 NA  
## hostnameKepler-1859 NA  
## hostnameKepler-186 NA  
## hostnameKepler-1860 NA  
## hostnameKepler-1861 NA  
## hostnameKepler-1862 NA  
## hostnameKepler-1863 NA  
## hostnameKepler-1864 NA  
## hostnameKepler-1865 NA  
## hostnameKepler-1866 NA  
## hostnameKepler-1867 NA  
## hostnameKepler-1868 NA  
## hostnameKepler-1869 NA  
## hostnameKepler-187 NA  
## hostnameKepler-1870 NA  
## hostnameKepler-1871 NA  
## hostnameKepler-1872 NA  
## hostnameKepler-1873 NA  
## hostnameKepler-1874 NA  
## hostnameKepler-1875 NA  
## hostnameKepler-1876 NA  
## hostnameKepler-1877 NA  
## hostnameKepler-1878 NA  
## hostnameKepler-1879 NA  
## hostnameKepler-188 NA  
## hostnameKepler-1880 NA  
## hostnameKepler-1881 NA  
## hostnameKepler-1882 NA  
## hostnameKepler-1883 NA  
## hostnameKepler-1884 NA  
## hostnameKepler-1885 NA  
## hostnameKepler-1886 NA  
## hostnameKepler-1887 NA  
## hostnameKepler-1888 NA  
## hostnameKepler-1889 NA  
## hostnameKepler-189 NA  
## hostnameKepler-1890 NA  
## hostnameKepler-1891 NA  
## hostnameKepler-1892 NA  
## hostnameKepler-1893 NA  
## hostnameKepler-1894 NA  
## hostnameKepler-1895 NA  
## hostnameKepler-1896 NA  
## hostnameKepler-1897 NA  
## hostnameKepler-1898 NA  
## hostnameKepler-1899 NA  
## hostnameKepler-19 NA  
## hostnameKepler-190 NA  
## hostnameKepler-1900 NA  
## hostnameKepler-1901 NA  
## hostnameKepler-1902 NA  
## hostnameKepler-1903 NA  
## hostnameKepler-1904 NA  
## hostnameKepler-1905 NA  
## hostnameKepler-1906 NA  
## hostnameKepler-1907 NA  
## hostnameKepler-1909 NA  
## hostnameKepler-191 NA  
## hostnameKepler-1911 NA  
## hostnameKepler-1912 NA  
## hostnameKepler-1913 NA  
## hostnameKepler-1914 NA  
## hostnameKepler-1915 NA  
## hostnameKepler-1916 NA  
## hostnameKepler-1917 NA  
## hostnameKepler-1918 NA  
## hostnameKepler-1919 NA  
## hostnameKepler-192 NA  
## hostnameKepler-1920 NA  
## hostnameKepler-1921 NA  
## hostnameKepler-1922 NA  
## hostnameKepler-1923 NA  
## hostnameKepler-1924 NA  
## hostnameKepler-1925 NA  
## hostnameKepler-1926 NA  
## hostnameKepler-1927 NA  
## hostnameKepler-1928 NA  
## hostnameKepler-1929 NA  
## hostnameKepler-193 NA  
## hostnameKepler-1930 NA  
## hostnameKepler-1931 NA  
## hostnameKepler-1932 NA  
## hostnameKepler-1933 NA  
## hostnameKepler-1934 NA  
## hostnameKepler-1935 NA  
## hostnameKepler-1936 NA  
## hostnameKepler-1937 NA  
## hostnameKepler-1938 NA  
## hostnameKepler-1939 NA  
## hostnameKepler-194 NA  
## hostnameKepler-1940 NA  
## hostnameKepler-1941 NA  
## hostnameKepler-1942 NA  
## hostnameKepler-1943 NA  
## hostnameKepler-1944 NA  
## hostnameKepler-1946 NA  
## hostnameKepler-1947 NA  
## hostnameKepler-1948 NA  
## hostnameKepler-1949 NA  
## hostnameKepler-195 NA  
## hostnameKepler-1950 NA  
## hostnameKepler-1951 NA  
## hostnameKepler-1952 NA  
## hostnameKepler-1953 NA  
## hostnameKepler-1954 NA  
## hostnameKepler-1955 NA  
## hostnameKepler-1956 NA  
## hostnameKepler-1957 NA  
## hostnameKepler-1958 NA  
## hostnameKepler-1959 NA  
## hostnameKepler-196 NA  
## hostnameKepler-1960 NA  
## hostnameKepler-1961 NA  
## hostnameKepler-1962 NA  
## hostnameKepler-1963 NA  
## hostnameKepler-1965 NA  
## hostnameKepler-1966 NA  
## hostnameKepler-1967 NA  
## hostnameKepler-1968 NA  
## hostnameKepler-1969 NA  
## hostnameKepler-197 NA  
## hostnameKepler-1972 NA  
## hostnameKepler-1977 NA  
## hostnameKepler-1978 NA  
## hostnameKepler-1979 NA  
## hostnameKepler-198 NA  
## hostnameKepler-1980 NA  
## hostnameKepler-1981 NA  
## hostnameKepler-1982 NA  
## hostnameKepler-1983 NA  
## hostnameKepler-1986 NA  
## hostnameKepler-1987 NA  
## hostnameKepler-1988 NA  
## hostnameKepler-1989 NA  
## hostnameKepler-199 NA  
## hostnameKepler-1990 NA  
## hostnameKepler-1991 NA  
## hostnameKepler-1992 NA  
## hostnameKepler-1993 NA  
## hostnameKepler-1994 NA  
## hostnameKepler-1995 NA  
## hostnameKepler-1996 NA  
## hostnameKepler-1997 NA  
## hostnameKepler-1998 NA  
## hostnameKepler-1999 NA  
## hostnameKepler-20 NA  
## hostnameKepler-200 NA  
## hostnameKepler-2000 NA  
## hostnameKepler-2001 NA  
## hostnameKepler-201 NA  
## hostnameKepler-202 NA  
## hostnameKepler-203 NA  
## hostnameKepler-204 NA  
## hostnameKepler-205 NA  
## hostnameKepler-206 NA  
## hostnameKepler-207 NA  
## hostnameKepler-208 NA  
## hostnameKepler-209 NA  
## hostnameKepler-21 NA  
## hostnameKepler-210 NA  
## hostnameKepler-211 NA  
## hostnameKepler-212 NA  
## hostnameKepler-213 NA  
## hostnameKepler-214 NA  
## hostnameKepler-215 NA  
## hostnameKepler-216 NA  
## hostnameKepler-217 NA  
## hostnameKepler-218 NA  
## hostnameKepler-219 NA  
## hostnameKepler-22 NA  
## hostnameKepler-220 NA  
## hostnameKepler-221 NA  
## hostnameKepler-222 NA  
## hostnameKepler-223 NA  
## hostnameKepler-224 NA  
## hostnameKepler-225 NA  
## hostnameKepler-226 NA  
## hostnameKepler-227 NA  
## hostnameKepler-228 NA  
## hostnameKepler-229 NA  
## hostnameKepler-23 NA  
## hostnameKepler-230 NA  
## hostnameKepler-231 NA  
## hostnameKepler-232 NA  
## hostnameKepler-233 NA  
## hostnameKepler-234 NA  
## hostnameKepler-235 NA  
## hostnameKepler-236 NA  
## hostnameKepler-237 NA  
## hostnameKepler-238 NA  
## hostnameKepler-239 NA  
## hostnameKepler-24 NA  
## hostnameKepler-240 NA  
## hostnameKepler-241 NA  
## hostnameKepler-242 NA  
## hostnameKepler-243 NA  
## hostnameKepler-244 NA  
## hostnameKepler-245 NA  
## hostnameKepler-246 NA  
## hostnameKepler-247 NA  
## hostnameKepler-248 NA  
## hostnameKepler-249 NA  
## hostnameKepler-25 NA  
## hostnameKepler-250 NA  
## hostnameKepler-251 NA  
## hostnameKepler-252 NA  
## hostnameKepler-253 NA  
## hostnameKepler-254 NA  
## hostnameKepler-255 NA  
## hostnameKepler-256 NA  
## hostnameKepler-257 NA  
## hostnameKepler-258 NA  
## hostnameKepler-259 NA  
## hostnameKepler-26 NA  
## hostnameKepler-260 NA  
## hostnameKepler-261 NA  
## hostnameKepler-262 NA  
## hostnameKepler-263 NA  
## hostnameKepler-264 NA  
## hostnameKepler-265 NA  
## hostnameKepler-266 NA  
## hostnameKepler-267 NA  
## hostnameKepler-268 NA  
## hostnameKepler-269 NA  
## hostnameKepler-27 NA  
## hostnameKepler-270 NA  
## hostnameKepler-271 NA  
## hostnameKepler-272 NA  
## hostnameKepler-273 NA  
## hostnameKepler-274 NA  
## hostnameKepler-275 NA  
## hostnameKepler-276 NA  
## hostnameKepler-277 NA  
## hostnameKepler-278 NA  
## hostnameKepler-279 NA  
## hostnameKepler-280 NA  
## hostnameKepler-281 NA  
## hostnameKepler-282 NA  
## hostnameKepler-283 NA  
## hostnameKepler-284 NA  
## hostnameKepler-285 NA  
## hostnameKepler-286 NA  
## hostnameKepler-287 NA  
## hostnameKepler-288 NA  
## hostnameKepler-289 NA  
## hostnameKepler-29 NA  
## hostnameKepler-290 NA  
## hostnameKepler-291 NA  
## hostnameKepler-292 NA  
## hostnameKepler-293 NA  
## hostnameKepler-294 NA  
## hostnameKepler-295 NA  
## hostnameKepler-296 NA  
## hostnameKepler-297 NA  
## hostnameKepler-298 NA  
## hostnameKepler-299 NA  
## hostnameKepler-30 NA  
## hostnameKepler-300 NA  
## hostnameKepler-301 NA  
## hostnameKepler-302 NA  
## hostnameKepler-303 NA  
## hostnameKepler-304 NA  
## hostnameKepler-305 NA  
## hostnameKepler-306 NA  
## hostnameKepler-307 NA  
## hostnameKepler-308 NA  
## hostnameKepler-309 NA  
## hostnameKepler-31 NA  
## hostnameKepler-310 NA  
## hostnameKepler-311 NA  
## hostnameKepler-312 NA  
## hostnameKepler-313 NA  
## hostnameKepler-314 NA  
## hostnameKepler-315 NA  
## hostnameKepler-316 NA  
## hostnameKepler-317 NA  
## hostnameKepler-318 NA  
## hostnameKepler-319 NA  
## hostnameKepler-32 NA  
## hostnameKepler-320 NA  
## hostnameKepler-321 NA  
## hostnameKepler-322 NA  
## hostnameKepler-323 NA  
## hostnameKepler-324 NA  
## hostnameKepler-325 NA  
## hostnameKepler-326 NA  
## hostnameKepler-327 NA  
## hostnameKepler-328 NA  
## hostnameKepler-329 NA  
## hostnameKepler-33 NA  
## hostnameKepler-330 NA  
## hostnameKepler-331 NA  
## hostnameKepler-332 NA  
## hostnameKepler-333 NA  
## hostnameKepler-334 NA  
## hostnameKepler-335 NA  
## hostnameKepler-336 NA  
## hostnameKepler-337 NA  
## hostnameKepler-338 NA  
## hostnameKepler-339 NA  
## hostnameKepler-34 NA  
## hostnameKepler-340 NA  
## hostnameKepler-341 NA  
## hostnameKepler-342 NA  
## hostnameKepler-343 NA  
## hostnameKepler-344 NA  
## hostnameKepler-345 NA  
## hostnameKepler-346 NA  
## hostnameKepler-347 NA  
## hostnameKepler-348 NA  
## hostnameKepler-349 NA  
## hostnameKepler-35 NA  
## hostnameKepler-350 NA  
## hostnameKepler-351 NA  
## hostnameKepler-352 NA  
## hostnameKepler-353 NA  
## hostnameKepler-354 NA  
## hostnameKepler-355 NA  
## hostnameKepler-356 NA  
## hostnameKepler-357 NA  
## hostnameKepler-358 NA  
## hostnameKepler-359 NA  
## hostnameKepler-36 NA  
## hostnameKepler-360 NA  
## hostnameKepler-361 NA  
## hostnameKepler-362 NA  
## hostnameKepler-363 NA  
## hostnameKepler-364 NA  
## hostnameKepler-366 NA  
## hostnameKepler-367 NA  
## hostnameKepler-368 NA  
## hostnameKepler-369 NA  
## hostnameKepler-37 NA  
## hostnameKepler-370 NA  
## hostnameKepler-371 NA  
## hostnameKepler-372 NA  
## hostnameKepler-373 NA  
## hostnameKepler-374 NA  
## hostnameKepler-375 NA  
## hostnameKepler-376 NA  
## hostnameKepler-377 NA  
## hostnameKepler-378 NA  
## hostnameKepler-379 NA  
## hostnameKepler-380 NA  
## hostnameKepler-381 NA  
## hostnameKepler-382 NA  
## hostnameKepler-383 NA  
## hostnameKepler-384 NA  
## hostnameKepler-385 NA  
## hostnameKepler-386 NA  
## hostnameKepler-387 NA  
## hostnameKepler-388 NA  
## hostnameKepler-389 NA  
## hostnameKepler-39 NA  
## hostnameKepler-390 NA  
## hostnameKepler-391 NA  
## hostnameKepler-392 NA  
## hostnameKepler-393 NA  
## hostnameKepler-394 NA  
## hostnameKepler-395 NA  
## hostnameKepler-396 NA  
## hostnameKepler-398 NA  
## hostnameKepler-399 NA  
## hostnameKepler-4 NA  
## hostnameKepler-40 NA  
## hostnameKepler-400 NA  
## hostnameKepler-401 NA  
## hostnameKepler-402 NA  
## hostnameKepler-403 NA  
## hostnameKepler-404 NA  
## hostnameKepler-405 NA  
## hostnameKepler-406 NA  
## hostnameKepler-409 NA  
## hostnameKepler-41 NA  
## hostnameKepler-410 A NA  
## hostnameKepler-411 NA  
## hostnameKepler-412 NA  
## hostnameKepler-413 NA  
## hostnameKepler-414 NA  
## hostnameKepler-415 NA  
## hostnameKepler-416 NA  
## hostnameKepler-417 NA  
## hostnameKepler-418 NA  
## hostnameKepler-419 NA  
## hostnameKepler-42 NA  
## hostnameKepler-421 NA  
## hostnameKepler-422 NA  
## hostnameKepler-423 NA  
## hostnameKepler-424 NA  
## hostnameKepler-425 NA  
## hostnameKepler-426 NA  
## hostnameKepler-427 NA  
## hostnameKepler-428 NA  
## hostnameKepler-43 NA  
## hostnameKepler-430 NA  
## hostnameKepler-431 NA  
## hostnameKepler-432 NA  
## hostnameKepler-433 NA  
## hostnameKepler-434 NA  
## hostnameKepler-435 NA  
## hostnameKepler-436 NA  
## hostnameKepler-437 NA  
## hostnameKepler-438 NA  
## hostnameKepler-439 NA  
## hostnameKepler-44 NA  
## hostnameKepler-440 NA  
## hostnameKepler-441 NA  
## hostnameKepler-442 NA  
## hostnameKepler-443 NA  
## hostnameKepler-444 NA  
## hostnameKepler-445 NA  
## hostnameKepler-446 NA  
## hostnameKepler-447 NA  
## hostnameKepler-449 NA  
## hostnameKepler-45 NA  
## hostnameKepler-450 NA  
## hostnameKepler-452 NA  
## hostnameKepler-454 NA  
## hostnameKepler-46 NA  
## hostnameKepler-461 NA  
## hostnameKepler-462 NA  
## hostnameKepler-463 NA  
## hostnameKepler-464 NA  
## hostnameKepler-465 NA  
## hostnameKepler-466 NA  
## hostnameKepler-467 NA  
## hostnameKepler-47 NA  
## hostnameKepler-470 NA  
## hostnameKepler-471 NA  
## hostnameKepler-472 NA  
## hostnameKepler-473 NA  
## hostnameKepler-474 NA  
## hostnameKepler-475 NA  
## hostnameKepler-476 NA  
## hostnameKepler-478 NA  
## hostnameKepler-479 NA  
## hostnameKepler-48 NA  
## hostnameKepler-480 NA  
## hostnameKepler-481 NA  
## hostnameKepler-482 NA  
## hostnameKepler-483 NA  
## hostnameKepler-484 NA  
## hostnameKepler-485 NA  
## hostnameKepler-487 NA  
## hostnameKepler-488 NA  
## hostnameKepler-489 NA  
## hostnameKepler-49 NA  
## hostnameKepler-491 NA  
## hostnameKepler-493 NA  
## hostnameKepler-494 NA  
## hostnameKepler-495 NA  
## hostnameKepler-496 NA  
## hostnameKepler-497 NA  
## hostnameKepler-498 NA  
## hostnameKepler-499 NA  
## hostnameKepler-5 NA  
## hostnameKepler-500 NA  
## hostnameKepler-501 NA  
## hostnameKepler-502 NA  
## hostnameKepler-504 NA  
## hostnameKepler-505 NA  
## hostnameKepler-506 NA  
## hostnameKepler-507 NA  
## hostnameKepler-508 NA  
## hostnameKepler-509 NA  
## hostnameKepler-51 NA  
## hostnameKepler-510 NA  
## hostnameKepler-511 NA  
## hostnameKepler-512 NA  
## hostnameKepler-513 NA  
## hostnameKepler-514 NA  
## hostnameKepler-516 NA  
## hostnameKepler-517 NA  
## hostnameKepler-518 NA  
## hostnameKepler-519 NA  
## hostnameKepler-52 NA  
## hostnameKepler-520 NA  
## hostnameKepler-521 NA  
## hostnameKepler-522 NA  
## hostnameKepler-523 NA  
## hostnameKepler-524 NA  
## hostnameKepler-525 NA  
## hostnameKepler-526 NA  
## hostnameKepler-527 NA  
## hostnameKepler-528 NA  
## hostnameKepler-529 NA  
## hostnameKepler-53 NA  
## hostnameKepler-530 NA  
## hostnameKepler-531 NA  
## hostnameKepler-532 NA  
## hostnameKepler-533 NA  
## hostnameKepler-534 NA  
## hostnameKepler-535 NA  
## hostnameKepler-536 NA  
## hostnameKepler-537 NA  
## hostnameKepler-538 NA  
## hostnameKepler-539 NA  
## hostnameKepler-54 NA  
## hostnameKepler-540 NA  
## hostnameKepler-541 NA  
## hostnameKepler-542 NA  
## hostnameKepler-543 NA  
## hostnameKepler-544 NA  
## hostnameKepler-545 NA  
## hostnameKepler-546 NA  
## hostnameKepler-547 NA  
## hostnameKepler-549 NA  
## hostnameKepler-55 NA  
## hostnameKepler-550 NA  
## hostnameKepler-551 NA  
## hostnameKepler-552 NA  
## hostnameKepler-553 NA  
## hostnameKepler-554 NA  
## hostnameKepler-555 NA  
## hostnameKepler-556 NA  
## hostnameKepler-557 NA  
## hostnameKepler-558 NA  
## hostnameKepler-559 NA  
## hostnameKepler-56 NA  
## hostnameKepler-560 NA  
## hostnameKepler-561 NA  
## hostnameKepler-562 NA  
## hostnameKepler-563 NA  
## hostnameKepler-564 NA  
## hostnameKepler-566 NA  
## hostnameKepler-567 NA  
## hostnameKepler-568 NA  
## hostnameKepler-569 NA  
## hostnameKepler-570 NA  
## hostnameKepler-571 NA  
## hostnameKepler-572 NA  
## hostnameKepler-573 NA  
## hostnameKepler-574 NA  
## hostnameKepler-575 NA  
## hostnameKepler-576 NA  
## hostnameKepler-577 NA  
## hostnameKepler-578 NA  
## hostnameKepler-579 NA  
## hostnameKepler-58 NA  
## hostnameKepler-580 NA  
## hostnameKepler-581 NA  
## hostnameKepler-582 NA  
## hostnameKepler-583 NA  
## hostnameKepler-584 NA  
## hostnameKepler-585 NA  
## hostnameKepler-586 NA  
## hostnameKepler-587 NA  
## hostnameKepler-588 NA  
## hostnameKepler-589 NA  
## hostnameKepler-59 NA  
## hostnameKepler-590 NA  
## hostnameKepler-591 NA  
## hostnameKepler-592 NA  
## hostnameKepler-593 NA  
## hostnameKepler-594 NA  
## hostnameKepler-595 NA  
## hostnameKepler-596 NA  
## hostnameKepler-597 NA  
## hostnameKepler-598 NA  
## hostnameKepler-599 NA  
## hostnameKepler-6 NA  
## hostnameKepler-60 NA  
## hostnameKepler-600 NA  
## hostnameKepler-601 NA  
## hostnameKepler-602 NA  
## hostnameKepler-603 NA  
## hostnameKepler-604 NA  
## hostnameKepler-605 NA  
## hostnameKepler-606 NA  
## hostnameKepler-607 NA  
## hostnameKepler-608 NA  
## hostnameKepler-609 NA  
## hostnameKepler-61 NA  
## hostnameKepler-610 NA  
## hostnameKepler-611 NA  
## hostnameKepler-612 NA  
## hostnameKepler-613 NA  
## hostnameKepler-614 NA  
## hostnameKepler-615 NA  
## hostnameKepler-616 NA  
## hostnameKepler-617 NA  
## hostnameKepler-618 NA  
## hostnameKepler-619 NA  
## hostnameKepler-620 NA  
## hostnameKepler-621 NA  
## hostnameKepler-622 NA  
## hostnameKepler-623 NA  
## hostnameKepler-624 NA  
## hostnameKepler-625 NA  
## hostnameKepler-626 NA  
## hostnameKepler-627 NA  
## hostnameKepler-628 NA  
## hostnameKepler-629 NA  
## hostnameKepler-63 NA  
## hostnameKepler-630 NA  
## hostnameKepler-631 NA  
## hostnameKepler-634 NA  
## hostnameKepler-635 NA  
## hostnameKepler-637 NA  
## hostnameKepler-638 NA  
## hostnameKepler-639 NA  
## hostnameKepler-640 NA  
## hostnameKepler-641 NA  
## hostnameKepler-642 NA  
## hostnameKepler-643 NA  
## hostnameKepler-644 NA  
## hostnameKepler-645 NA  
## hostnameKepler-646 NA  
## hostnameKepler-647 NA  
## hostnameKepler-648 NA  
## hostnameKepler-649 NA  
## hostnameKepler-65 NA  
## hostnameKepler-650 NA  
## hostnameKepler-651 NA  
## hostnameKepler-652 NA  
## hostnameKepler-653 NA  
## hostnameKepler-654 NA  
## hostnameKepler-655 NA  
## hostnameKepler-656 NA  
## hostnameKepler-657 NA  
## hostnameKepler-658 NA  
## hostnameKepler-659 NA  
## hostnameKepler-66 NA  
## hostnameKepler-660 NA  
## hostnameKepler-661 NA  
## hostnameKepler-662 NA  
## hostnameKepler-663 NA  
## hostnameKepler-664 NA  
## hostnameKepler-665 NA  
## hostnameKepler-666 NA  
## hostnameKepler-667 NA  
## hostnameKepler-668 NA  
## hostnameKepler-669 NA  
## hostnameKepler-67 NA  
## hostnameKepler-671 NA  
## hostnameKepler-672 NA  
## hostnameKepler-673 NA  
## hostnameKepler-674 NA  
## hostnameKepler-675 NA  
## hostnameKepler-676 NA  
## hostnameKepler-677 NA  
## hostnameKepler-678 NA  
## hostnameKepler-679 NA  
## hostnameKepler-68 NA  
## hostnameKepler-680 NA  
## hostnameKepler-681 NA  
## hostnameKepler-682 NA  
## hostnameKepler-683 NA  
## hostnameKepler-684 NA  
## hostnameKepler-685 NA  
## hostnameKepler-687 NA  
## hostnameKepler-688 NA  
## hostnameKepler-689 NA  
## hostnameKepler-69 NA  
## hostnameKepler-690 NA  
## hostnameKepler-691 NA  
## hostnameKepler-692 NA  
## hostnameKepler-693 NA  
## hostnameKepler-694 NA  
## hostnameKepler-695 NA  
## hostnameKepler-696 NA  
## hostnameKepler-697 NA  
## hostnameKepler-698 NA  
## hostnameKepler-7 NA  
## hostnameKepler-700 NA  
## hostnameKepler-701 NA  
## hostnameKepler-702 NA  
## hostnameKepler-703 NA  
## hostnameKepler-704 NA  
## hostnameKepler-705 NA  
## hostnameKepler-707 NA  
## hostnameKepler-708 NA  
## hostnameKepler-709 NA  
## hostnameKepler-710 NA  
## hostnameKepler-711 NA  
## hostnameKepler-712 NA  
## hostnameKepler-713 NA  
## hostnameKepler-714 NA  
## hostnameKepler-715 NA  
## hostnameKepler-716 NA  
## hostnameKepler-717 NA  
## hostnameKepler-718 NA  
## hostnameKepler-719 NA  
## hostnameKepler-720 NA  
## hostnameKepler-721 NA  
## hostnameKepler-722 NA  
## hostnameKepler-724 NA  
## hostnameKepler-725 NA  
## hostnameKepler-726 NA  
## hostnameKepler-727 NA  
## hostnameKepler-728 NA  
## hostnameKepler-729 NA  
## hostnameKepler-730 NA  
## hostnameKepler-732 NA  
## hostnameKepler-733 NA  
## hostnameKepler-734 NA  
## hostnameKepler-735 NA  
## hostnameKepler-736 NA  
## hostnameKepler-737 NA  
## hostnameKepler-738 NA  
## hostnameKepler-739 NA  
## hostnameKepler-74 NA  
## hostnameKepler-740 NA  
## hostnameKepler-741 NA  
## hostnameKepler-742 NA  
## hostnameKepler-743 NA  
## hostnameKepler-744 NA  
## hostnameKepler-745 NA  
## hostnameKepler-746 NA  
## hostnameKepler-747 NA  
## hostnameKepler-748 NA  
## hostnameKepler-749 NA  
## hostnameKepler-75 NA  
## hostnameKepler-750 NA  
## hostnameKepler-751 NA  
## hostnameKepler-752 NA  
## hostnameKepler-753 NA  
## hostnameKepler-754 NA  
## hostnameKepler-755 NA  
## hostnameKepler-756 NA  
## hostnameKepler-757 NA  
## hostnameKepler-758 NA  
## hostnameKepler-759 NA  
## hostnameKepler-76 NA  
## hostnameKepler-760 NA  
## hostnameKepler-761 NA  
## hostnameKepler-763 NA  
## hostnameKepler-764 NA  
## hostnameKepler-765 NA  
## hostnameKepler-766 NA  
## hostnameKepler-767 NA  
## hostnameKepler-768 NA  
## hostnameKepler-769 NA  
## hostnameKepler-77 NA  
## hostnameKepler-770 NA  
## hostnameKepler-771 NA  
## hostnameKepler-772 NA  
## hostnameKepler-773 NA  
## hostnameKepler-774 NA  
## hostnameKepler-775 NA  
## hostnameKepler-776 NA  
## hostnameKepler-777 NA  
## hostnameKepler-778 NA  
## hostnameKepler-779 NA  
## hostnameKepler-78 NA  
## hostnameKepler-780 NA  
## hostnameKepler-781 NA  
## hostnameKepler-782 NA  
## hostnameKepler-783 NA  
## hostnameKepler-784 NA  
## hostnameKepler-786 NA  
## hostnameKepler-787 NA  
## hostnameKepler-788 NA  
## hostnameKepler-789 NA  
## hostnameKepler-79 NA  
## hostnameKepler-790 NA  
## hostnameKepler-791 NA  
## hostnameKepler-792 NA  
## hostnameKepler-793 NA  
## hostnameKepler-794 NA  
## hostnameKepler-795 NA  
## hostnameKepler-796 NA  
## hostnameKepler-797 NA  
## hostnameKepler-798 NA  
## hostnameKepler-8 NA  
## hostnameKepler-80 NA  
## hostnameKepler-800 NA  
## hostnameKepler-801 NA  
## hostnameKepler-802 NA  
## hostnameKepler-803 NA  
## hostnameKepler-804 NA  
## hostnameKepler-805 NA  
## hostnameKepler-806 NA  
## hostnameKepler-807 NA  
## hostnameKepler-808 NA  
## hostnameKepler-809 NA  
## hostnameKepler-81 NA  
## hostnameKepler-810 NA  
## hostnameKepler-811 NA  
## hostnameKepler-812 NA  
## hostnameKepler-813 NA  
## hostnameKepler-814 NA  
## hostnameKepler-815 NA  
## hostnameKepler-816 NA  
## hostnameKepler-817 NA  
## hostnameKepler-818 NA  
## hostnameKepler-819 NA  
## hostnameKepler-82 NA  
## hostnameKepler-820 NA  
## hostnameKepler-821 NA  
## hostnameKepler-822 NA  
## hostnameKepler-823 NA  
## hostnameKepler-824 NA  
## hostnameKepler-825 NA  
## hostnameKepler-826 NA  
## hostnameKepler-827 NA  
## hostnameKepler-828 NA  
## hostnameKepler-829 NA  
## hostnameKepler-83 NA  
## hostnameKepler-830 NA  
## hostnameKepler-831 NA  
## hostnameKepler-832 NA  
## hostnameKepler-833 NA  
## hostnameKepler-834 NA  
## hostnameKepler-835 NA  
## hostnameKepler-836 NA  
## hostnameKepler-837 NA  
## hostnameKepler-838 NA  
## hostnameKepler-839 NA  
## hostnameKepler-84 NA  
## hostnameKepler-841 NA  
## hostnameKepler-842 NA  
## hostnameKepler-843 NA  
## hostnameKepler-844 NA  
## hostnameKepler-845 NA  
## hostnameKepler-846 NA  
## hostnameKepler-847 NA  
## hostnameKepler-848 NA  
## hostnameKepler-849 NA  
## hostnameKepler-85 NA  
## hostnameKepler-850 NA  
## hostnameKepler-851 NA  
## hostnameKepler-852 NA  
## hostnameKepler-853 NA  
## hostnameKepler-855 NA  
## hostnameKepler-856 NA  
## hostnameKepler-857 NA  
## hostnameKepler-858 NA  
## hostnameKepler-859 NA  
## hostnameKepler-860 NA  
## hostnameKepler-861 NA  
## hostnameKepler-862 NA  
## hostnameKepler-863 NA  
## hostnameKepler-864 NA  
## hostnameKepler-865 NA  
## hostnameKepler-866 NA  
## hostnameKepler-867 NA  
## hostnameKepler-868 NA  
## hostnameKepler-869 NA  
## hostnameKepler-87 NA  
## hostnameKepler-870 NA  
## hostnameKepler-871 NA  
## hostnameKepler-872 NA  
## hostnameKepler-873 NA  
## hostnameKepler-874 NA  
## hostnameKepler-875 NA  
## hostnameKepler-876 NA  
## hostnameKepler-877 NA  
## hostnameKepler-878 NA  
## hostnameKepler-879 NA  
## hostnameKepler-880 NA  
## hostnameKepler-881 NA  
## hostnameKepler-882 NA  
## hostnameKepler-883 NA  
## hostnameKepler-884 NA  
## hostnameKepler-885 NA  
## hostnameKepler-886 NA  
## hostnameKepler-887 NA  
## hostnameKepler-888 NA  
## hostnameKepler-889 NA  
## hostnameKepler-890 NA  
## hostnameKepler-891 NA  
## hostnameKepler-892 NA  
## hostnameKepler-893 NA  
## hostnameKepler-894 NA  
## hostnameKepler-895 NA  
## hostnameKepler-896 NA  
## hostnameKepler-897 NA  
## hostnameKepler-898 NA  
## hostnameKepler-899 NA  
## hostnameKepler-9 NA  
## hostnameKepler-900 NA  
## hostnameKepler-901 NA  
## hostnameKepler-902 NA  
## hostnameKepler-903 NA  
## hostnameKepler-904 NA  
## hostnameKepler-905 NA  
## hostnameKepler-906 NA  
## hostnameKepler-907 NA  
## hostnameKepler-908 NA  
## hostnameKepler-909 NA  
## hostnameKepler-91 NA  
## hostnameKepler-910 NA  
## hostnameKepler-911 NA  
## hostnameKepler-912 NA  
## hostnameKepler-913 NA  
## hostnameKepler-914 NA  
## hostnameKepler-915 NA  
## hostnameKepler-916 NA  
## hostnameKepler-917 NA  
## hostnameKepler-918 NA  
## hostnameKepler-919 NA  
## hostnameKepler-92 NA  
## hostnameKepler-920 NA  
## hostnameKepler-921 NA  
## hostnameKepler-922 NA  
## hostnameKepler-923 NA  
## hostnameKepler-924 NA  
## hostnameKepler-925 NA  
## hostnameKepler-926 NA  
## hostnameKepler-927 NA  
## hostnameKepler-928 NA  
## hostnameKepler-929 NA  
## hostnameKepler-93 NA  
## hostnameKepler-930 NA  
## hostnameKepler-931 NA  
## hostnameKepler-932 NA  
## hostnameKepler-933 NA  
## hostnameKepler-934 NA  
## hostnameKepler-935 NA  
## hostnameKepler-936 NA  
## hostnameKepler-937 NA  
## hostnameKepler-939 NA  
## hostnameKepler-94 NA  
## hostnameKepler-940 NA  
## hostnameKepler-941 NA  
## hostnameKepler-942 NA  
## hostnameKepler-943 NA  
## hostnameKepler-944 NA  
## hostnameKepler-945 NA  
## hostnameKepler-946 NA  
## hostnameKepler-947 NA  
## hostnameKepler-948 NA  
## hostnameKepler-949 NA  
## hostnameKepler-95 NA  
## hostnameKepler-950 NA  
## hostnameKepler-951 NA  
## hostnameKepler-952 NA  
## hostnameKepler-953 NA  
## hostnameKepler-954 NA  
## hostnameKepler-955 NA  
## hostnameKepler-956 NA  
## hostnameKepler-957 NA  
## hostnameKepler-958 NA  
## hostnameKepler-959 NA  
## hostnameKepler-96 NA  
## hostnameKepler-960 NA  
## hostnameKepler-961 NA  
## hostnameKepler-962 NA  
## hostnameKepler-963 NA  
## hostnameKepler-964 NA  
## hostnameKepler-965 NA  
## hostnameKepler-966 NA  
## hostnameKepler-967 NA  
## hostnameKepler-968 NA  
## hostnameKepler-969 NA  
## hostnameKepler-97 NA  
## hostnameKepler-970 NA  
## hostnameKepler-971 NA  
## hostnameKepler-972 NA  
## hostnameKepler-973 NA  
## hostnameKepler-974 NA  
## hostnameKepler-975 NA  
## hostnameKepler-976 NA  
## hostnameKepler-977 NA  
## hostnameKepler-978 NA  
## hostnameKepler-979 NA  
## hostnameKepler-98 NA  
## hostnameKepler-980 NA  
## hostnameKepler-981 NA  
## hostnameKepler-982 NA  
## hostnameKepler-983 NA  
## hostnameKepler-984 NA  
## hostnameKepler-985 NA  
## hostnameKepler-986 NA  
## hostnameKepler-987 NA  
## hostnameKepler-988 NA  
## hostnameKepler-989 NA  
## hostnameKepler-99 NA  
## hostnameKepler-990 NA  
## hostnameKepler-991 NA  
## hostnameKepler-992 NA  
## hostnameKepler-993 NA  
## hostnameKepler-994 NA  
## hostnameKepler-995 NA  
## hostnameKepler-996 NA  
## hostnameKepler-997 NA  
## hostnameKepler-998 NA  
## hostnameKepler-999 NA  
## hostnameKIC 3526061 NA  
## hostnameKIC 5095269 NA  
## hostnameKIC 5437945 NA  
## hostnameKIC 9663113 NA  
## hostnameKOI-12 NA  
## hostnameKOI-1257 NA  
## hostnameKOI-13 NA  
## hostnameKOI-142 NA  
## hostnameKOI-1599 NA  
## hostnameKOI-1783 NA  
## hostnameKOI-3503 NA  
## hostnameKOI-351 NA  
## hostnameKOI-3680 NA  
## hostnameKOI-7368 NA  
## hostnameKOI-7892 NA  
## hostnameKOI-7913 A NA  
## hostnameKOI-94 NA  
## hostnameKPS-1 NA  
## hostnameL 168-9 NA  
## hostnameL 98-59 NA  
## hostnameLHS 1140 NA  
## hostnameLHS 1678 NA  
## hostnameLHS 1815 NA  
## hostnameLP 714-47 NA  
## hostnameLP 791-18 NA  
## hostnameLSPM J2116+0234 NA  
## hostnameLTT 1445 A NA  
## hostnameLTT 3780 NA  
## hostnameLTT 9779 NA  
## hostnameLupus-TR-3 NA  
## hostnameMASCARA-1 NA  
## hostnameMASCARA-4 NA  
## hostnamemu Leo NA  
## hostnameNGC 2682 Sand 364 NA  
## hostnameNGTS-1 NA  
## hostnameNGTS-10 NA  
## hostnameNGTS-11 NA  
## hostnameNGTS-12 NA  
## hostnameNGTS-13 NA  
## hostnameNGTS-14 A NA  
## hostnameNGTS-15 NA  
## hostnameNGTS-16 NA  
## hostnameNGTS-17 NA  
## hostnameNGTS-18 NA  
## hostnameNGTS-2 NA  
## hostnameNGTS-20 NA  
## hostnameNGTS-21 NA  
## hostnameNGTS-23 NA  
## hostnameNGTS-24 NA  
## hostnameNGTS-25 NA  
## hostnameNGTS-4 NA  
## hostnameNGTS-5 NA  
## hostnameNGTS-6 NA  
## hostnameNGTS-8 NA  
## hostnameNGTS-9 NA  
## hostnameNSVS 14256825 NA  
## hostnamenu Oct A NA  
## hostnamenu Oph NA  
## hostnameNY Vir NA  
## hostnameOGLE-TR-10 NA  
## hostnameOGLE-TR-111 NA  
## hostnameOGLE-TR-132 NA  
## hostnameOGLE-TR-182 NA  
## hostnameOGLE-TR-211 NA  
## hostnameome Ser NA  
## hostnameomi CrB NA  
## hostnamePDS 70 NA  
## hostnamePr0201 NA  
## hostnamePr0211 NA  
## hostnameProxima Cen NA  
## hostnamepsi1 Dra B NA  
## hostnamePZ Tel NA  
## hostnameQatar-1 NA  
## hostnameQatar-10 NA  
## hostnameQatar-2 NA  
## hostnameQatar-3 NA  
## hostnameQatar-4 NA  
## hostnameQatar-5 NA  
## hostnameQatar-6 NA  
## hostnameQatar-7 NA  
## hostnameQatar-8 NA  
## hostnameQatar-9 NA  
## hostnamerho CrB NA  
## hostnameRoss 128 NA  
## hostnameRoss 508 NA  
## hostnameRR Cae NA  
## hostnametau Boo NA  
## hostnametau Cet NA  
## hostnametau Gem NA  
## hostnameTeegarden's Star NA  
## hostnameTIC 172900988 Aa NA  
## hostnameTIC 237913194 NA  
## hostnameTIC 257060897 NA  
## hostnameTIC 279401253 NA  
## hostnameTOI-1052 NA  
## hostnameTOI-1062 NA  
## hostnameTOI-1064 NA  
## hostnameTOI-1075 NA  
## hostnameTOI-1107 NA  
## hostnameTOI-1130 NA  
## hostnameTOI-1201 NA  
## hostnameTOI-122 NA  
## hostnameTOI-1231 NA  
## hostnameTOI-1235 NA  
## hostnameTOI-125 NA  
## hostnameTOI-1259 A NA  
## hostnameTOI-1260 NA  
## hostnameTOI-1266 NA  
## hostnameTOI-1268 NA  
## hostnameTOI-1272 NA  
## hostnameTOI-1278 NA  
## hostnameTOI-1288 NA  
## hostnameTOI-1296 NA  
## hostnameTOI-1298 NA  
## hostnameTOI-132 NA  
## hostnameTOI-1333 NA  
## hostnameTOI-1338 A NA  
## hostnameTOI-1416 NA  
## hostnameTOI-1422 NA  
## hostnameTOI-1431 NA  
## hostnameTOI-1452 NA  
## hostnameTOI-1470 NA  
## hostnameTOI-1478 NA  
## hostnameTOI-150 NA  
## hostnameTOI-157 NA  
## hostnameTOI-1601 NA  
## hostnameTOI-163 NA  
## hostnameTOI-1634 NA  
## hostnameTOI-1670 NA  
## hostnameTOI-1685 NA  
## hostnameTOI-169 NA  
## hostnameTOI-1695 NA  
## hostnameTOI-1696 NA  
## hostnameTOI-1710 NA  
## hostnameTOI-172 NA  
## hostnameTOI-1728 NA  
## hostnameTOI-1759 NA  
## hostnameTOI-1807 NA  
## hostnameTOI-181 NA  
## hostnameTOI-1811 NA  
## hostnameTOI-1820 NA  
## hostnameTOI-1859 NA  
## hostnameTOI-1899 NA  
## hostnameTOI-1937 A NA  
## hostnameTOI-2000 NA  
## hostnameTOI-201 NA  
## hostnameTOI-2025 NA  
## hostnameTOI-2096 NA  
## hostnameTOI-2136 NA  
## hostnameTOI-2145 NA  
## hostnameTOI-2152 NA  
## hostnameTOI-2154 NA  
## hostnameTOI-2158 NA  
## hostnameTOI-216 NA  
## hostnameTOI-2180 NA  
## hostnameTOI-2193 A NA  
## hostnameTOI-2196 NA  
## hostnameTOI-220 NA  
## hostnameTOI-2202 NA  
## hostnameTOI-2207 NA  
## hostnameTOI-2236 NA  
## hostnameTOI-2257 NA  
## hostnameTOI-2338 NA  
## hostnameTOI-2364 NA  
## hostnameTOI-237 NA  
## hostnameTOI-2421 NA  
## hostnameTOI-2497 NA  
## hostnameTOI-2498 NA  
## hostnameTOI-2525 NA  
## hostnameTOI-2567 NA  
## hostnameTOI-257 NA  
## hostnameTOI-2570 NA  
## hostnameTOI-2583 A NA  
## hostnameTOI-2587 A NA  
## hostnameTOI-2589 NA  
## hostnameTOI-2641 NA  
## hostnameTOI-269 NA  
## hostnameTOI-270 NA  
## hostnameTOI-2796 NA  
## hostnameTOI-2803 A NA  
## hostnameTOI-2818 NA  
## hostnameTOI-2842 NA  
## hostnameTOI-3023 NA  
## hostnameTOI-3235 NA  
## hostnameTOI-332 NA  
## hostnameTOI-3331 A NA  
## hostnameTOI-3362 NA  
## hostnameTOI-3364 NA  
## hostnameTOI-3629 NA  
## hostnameTOI-3688 A NA  
## hostnameTOI-3693 NA  
## hostnameTOI-3714 NA  
## hostnameTOI-3757 NA  
## hostnameTOI-3785 NA  
## hostnameTOI-3807 NA  
## hostnameTOI-3819 NA  
## hostnameTOI-3884 NA  
## hostnameTOI-3912 NA  
## hostnameTOI-3976 A NA  
## hostnameTOI-3984 A NA  
## hostnameTOI-4010 NA  
## hostnameTOI-4087 NA  
## hostnameTOI-4127 NA  
## hostnameTOI-4137 NA  
## hostnameTOI-4145 A NA  
## hostnameTOI-421 NA  
## hostnameTOI-431 NA  
## hostnameTOI-4406 NA  
## hostnameTOI-4463 A NA  
## hostnameTOI-451 NA  
## hostnameTOI-4562 NA  
## hostnameTOI-4603 NA  
## hostnameTOI-4791 NA  
## hostnameTOI-481 NA  
## hostnameTOI-4860 NA  
## hostnameTOI-500 NA  
## hostnameTOI-5153 NA  
## hostnameTOI-519 NA  
## hostnameTOI-5205 NA  
## hostnameTOI-5293 A NA  
## hostnameTOI-530 NA  
## hostnameTOI-532 NA  
## hostnameTOI-540 NA  
## hostnameTOI-5542 NA  
## hostnameTOI-558 NA  
## hostnameTOI-559 NA  
## hostnameTOI-561 NA  
## hostnameTOI-564 NA  
## hostnameTOI-5678 NA  
## hostnameTOI-615 NA  
## hostnameTOI-620 NA  
## hostnameTOI-622 NA  
## hostnameTOI-628 NA  
## hostnameTOI-640 NA  
## hostnameTOI-674 NA  
## hostnameTOI-677 NA  
## hostnameTOI-700 NA  
## hostnameTOI-712 NA  
## hostnameTOI-733 NA  
## hostnameTOI-763 NA  
## hostnameTOI-776 NA  
## hostnameTOI-778 NA  
## hostnameTOI-813 NA  
## hostnameTOI-836 NA  
## hostnameTOI-849 NA  
## hostnameTOI-892 NA  
## hostnameTOI-905 NA  
## hostnameTOI-908 NA  
## hostnameTOI-954 NA  
## hostnameTOI-969 NA  
## hostnameTRAPPIST-1 NA  
## hostnameTrES-1 NA  
## hostnameTrES-2 NA  
## hostnameTrES-3 NA  
## hostnameTrES-4 NA  
## hostnameTrES-5 NA  
## hostnameTYC 0434-04538-1 NA  
## hostnameTYC 1422-614-1 NA  
## hostnameTYC 2187-512-1 NA  
## hostnameTYC 3318-01333-1 NA  
## hostnameTYC 3667-1280-1 NA  
## hostnameTYC 4282-00605-1 NA  
## hostnameups And NA  
## hostnameups Leo NA  
## hostnameV0391 Peg NA  
## hostnameV1298 Tau NA  
## hostnameWASP-1 NA  
## hostnameWASP-10 NA  
## hostnameWASP-100 NA  
## hostnameWASP-101 NA  
## hostnameWASP-103 NA  
## hostnameWASP-104 NA  
## hostnameWASP-105 NA  
## hostnameWASP-106 NA  
## hostnameWASP-107 NA  
## hostnameWASP-11 NA  
## hostnameWASP-113 NA  
## hostnameWASP-114 NA  
## hostnameWASP-117 NA  
## hostnameWASP-118 NA  
## hostnameWASP-119 NA  
## hostnameWASP-12 NA  
## hostnameWASP-120 NA  
## hostnameWASP-121 NA  
## hostnameWASP-123 NA  
## hostnameWASP-124 NA  
## hostnameWASP-126 NA  
## hostnameWASP-127 NA  
## hostnameWASP-129 NA  
## hostnameWASP-13 NA  
## hostnameWASP-130 NA  
## hostnameWASP-131 NA  
## hostnameWASP-132 NA  
## hostnameWASP-133 NA  
## hostnameWASP-135 NA  
## hostnameWASP-139 NA  
## hostnameWASP-14 NA  
## hostnameWASP-140 NA  
## hostnameWASP-141 NA  
## hostnameWASP-142 NA  
## hostnameWASP-144 NA  
## hostnameWASP-145 A NA  
## hostnameWASP-147 NA  
## hostnameWASP-148 NA  
## hostnameWASP-15 NA  
## hostnameWASP-150 NA  
## hostnameWASP-151 NA  
## hostnameWASP-153 NA  
## hostnameWASP-156 NA  
## hostnameWASP-157 NA  
## hostnameWASP-158 NA  
## hostnameWASP-159 NA  
## hostnameWASP-16 NA  
## hostnameWASP-160 B NA  
## hostnameWASP-162 NA  
## hostnameWASP-164 NA  
## hostnameWASP-165 NA  
## hostnameWASP-166 NA  
## hostnameWASP-168 NA  
## hostnameWASP-169 NA  
## hostnameWASP-17 NA  
## hostnameWASP-171 NA  
## hostnameWASP-172 NA  
## hostnameWASP-173 A NA  
## hostnameWASP-174 NA  
## hostnameWASP-175 NA  
## hostnameWASP-176 NA  
## hostnameWASP-178 NA  
## hostnameWASP-18 NA  
## hostnameWASP-180 A NA  
## hostnameWASP-182 NA  
## hostnameWASP-184 NA  
## hostnameWASP-185 NA  
## hostnameWASP-186 NA  
## hostnameWASP-187 NA  
## hostnameWASP-189 NA  
## hostnameWASP-19 NA  
## hostnameWASP-190 NA  
## hostnameWASP-192 NA  
## hostnameWASP-193 NA  
## hostnameWASP-2 NA  
## hostnameWASP-20 NA  
## hostnameWASP-21 NA  
## hostnameWASP-22 NA  
## hostnameWASP-23 NA  
## hostnameWASP-24 NA  
## hostnameWASP-25 NA  
## hostnameWASP-26 NA  
## hostnameWASP-28 NA  
## hostnameWASP-29 NA  
## hostnameWASP-3 NA  
## hostnameWASP-31 NA  
## hostnameWASP-32 NA  
## hostnameWASP-33 NA  
## hostnameWASP-34 NA  
## hostnameWASP-35 NA  
## hostnameWASP-36 NA  
## hostnameWASP-37 NA  
## hostnameWASP-38 NA  
## hostnameWASP-39 NA  
## hostnameWASP-4 NA  
## hostnameWASP-41 NA  
## hostnameWASP-42 NA  
## hostnameWASP-43 NA  
## hostnameWASP-44 NA  
## hostnameWASP-45 NA  
## hostnameWASP-46 NA  
## hostnameWASP-47 NA  
## hostnameWASP-48 NA  
## hostnameWASP-49 NA  
## hostnameWASP-5 NA  
## hostnameWASP-50 NA  
## hostnameWASP-52 NA  
## hostnameWASP-53 NA  
## hostnameWASP-54 NA  
## hostnameWASP-55 NA  
## hostnameWASP-56 NA  
## hostnameWASP-57 NA  
## hostnameWASP-58 NA  
## hostnameWASP-59 NA  
## hostnameWASP-6 NA  
## hostnameWASP-60 NA  
## hostnameWASP-61 NA  
## hostnameWASP-62 NA  
## hostnameWASP-63 NA  
## hostnameWASP-64 NA  
## hostnameWASP-65 NA  
## hostnameWASP-66 NA  
## hostnameWASP-67 NA  
## hostnameWASP-68 NA  
## hostnameWASP-69 NA  
## hostnameWASP-7 NA  
## hostnameWASP-70 A NA  
## hostnameWASP-71 NA  
## hostnameWASP-72 NA  
## hostnameWASP-73 NA  
## hostnameWASP-74 NA  
## hostnameWASP-75 NA  
## hostnameWASP-76 NA  
## hostnameWASP-77 A NA  
## hostnameWASP-78 NA  
## hostnameWASP-79 NA  
## hostnameWASP-8 NA  
## hostnameWASP-80 NA  
## hostnameWASP-81 NA  
## hostnameWASP-82 NA  
## hostnameWASP-83 NA  
## hostnameWASP-84 NA  
## hostnameWASP-85 A NA  
## hostnameWASP-87 NA  
## hostnameWASP-88 NA  
## hostnameWASP-89 NA  
## hostnameWASP-90 NA  
## hostnameWASP-91 NA  
## hostnameWASP-92 NA  
## hostnameWASP-93 NA  
## hostnameWASP-94 A NA  
## hostnameWASP-94 B NA  
## hostnameWASP-95 NA  
## hostnameWASP-96 NA  
## hostnameWASP-97 NA  
## hostnameWASP-98 NA  
## hostnameWASP-99 NA  
## hostnameWD 1856+534 NA  
## hostnameWendelstein-1 NA  
## hostnameWendelstein-2 NA  
## hostnameWolf 1061 NA  
## hostnameWolf 503 NA  
## hostnameWTS-1 NA  
## hostnameWTS-2 NA  
## hostnamexi Aql NA  
## hostnameXO-1 NA  
## hostnameXO-2 N NA  
## hostnameXO-2 S NA  
## hostnameXO-3 NA  
## hostnameXO-4 NA  
## hostnameXO-5 NA  
## hostnameXO-6 NA  
## hostnameXO-7 NA  
## hostnameYZ Cet NA  
## sy\_snum NA  
## sy\_pnum NA  
## disc\_facilityAnglo-Australian Telescope NA  
## disc\_facilityApache Point Observatory NA  
## disc\_facilityBohyunsan Optical Astronomical Observatory NA  
## disc\_facilityCalar Alto Observatory NA  
## disc\_facilityCerro Tololo Inter-American Observatory NA  
## disc\_facilityCHaracterising ExOPlanets Satellite (CHEOPS) NA  
## disc\_facilityCoRoT NA  
## disc\_facilityEuropean Southern Observatory NA  
## disc\_facilityFred Lawrence Whipple Observatory NA  
## disc\_facilityGemini Observatory NA  
## disc\_facilityHaleakala Observatory NA  
## disc\_facilityHATNet NA  
## disc\_facilityHATSouth NA  
## disc\_facilityHaute-Provence Observatory NA  
## disc\_facilityK2 NA  
## disc\_facilityKELT NA  
## disc\_facilityKELT-North NA  
## disc\_facilityKELT-South NA  
## disc\_facilityKepler NA  
## disc\_facilityKitt Peak National Observatory NA  
## disc\_facilityKOINet NA  
## disc\_facilityLa Silla Observatory NA  
## disc\_facilityLas Campanas Observatory NA  
## disc\_facilityLeoncito Astronomical Complex NA  
## disc\_facilityLick Observatory NA  
## disc\_facilityLowell Observatory NA  
## disc\_facilityMcDonald Observatory NA  
## disc\_facilityMEarth Project NA  
## disc\_facilityMultiple Facilities NA  
## disc\_facilityMultiple Observatories NA  
## disc\_facilityNext-Generation Transit Survey (NGTS) NA  
## disc\_facilityOGLE NA  
## disc\_facilityOkayama Astrophysical Observatory NA  
## disc\_facilityParanal Observatory NA  
## disc\_facilityQatar NA  
## disc\_facilityRoque de los Muchachos Observatory NA  
## disc\_facilitySpitzer Space Telescope NA  
## disc\_facilitySubaru Telescope NA  
## disc\_facilitySuperWASP NA  
## disc\_facilitySuperWASP-North NA  
## disc\_facilitySuperWASP-South NA  
## disc\_facilityThueringer Landessternwarte Tautenburg NA  
## disc\_facilityTransiting Exoplanet Survey Satellite (TESS) NA  
## disc\_facilityTrES NA  
## disc\_facilityUnited Kingdom Infrared Telescope NA  
## disc\_facilityUniversity of Canterbury Mt John Observatory NA  
## disc\_facilityVery Long Baseline Array NA  
## disc\_facilityW. M. Keck Observatory NA  
## disc\_facilityWASP-South NA  
## disc\_facilityXinglong Station NA  
## disc\_facilityXO NA  
## disc\_telescope0.10 m Schmidt Telescope NA  
## disc\_telescope0.18 m Takahashi Epsilon Astrograph NA  
## disc\_telescope0.27 m CoRoT Telescope NA  
## disc\_telescope0.3 m Ritchey-Chretien Telescope NA  
## disc\_telescope0.4 m MEarth Telescope NA  
## disc\_telescope0.6 m Coude Auxiliary Telescope NA  
## disc\_telescope0.60 m Transiting Planets and Planetesimals Small Telescope NA  
## disc\_telescope0.85 m Spitzer Space Telescope NA  
## disc\_telescope0.9 m KPNO Coude Feed Telescope NA  
## disc\_telescope0.95 m Kepler Telescope NA  
## disc\_telescope1.0 m McLellan telescope NA  
## disc\_telescope1.2 m Leonhard Euler Telescope NA  
## disc\_telescope1.3 m Warsaw University Telescope NA  
## disc\_telescope1.4 m CAT Telescope NA  
## disc\_telescope1.5 m SMARTS telescope NA  
## disc\_telescope1.5 m Tillinghast Reflector Telescope NA  
## disc\_telescope1.52 m ESO Telescope NA  
## disc\_telescope1.8 m Telescope NA  
## disc\_telescope1.8-m Ritchey-Chretien Telescope NA  
## disc\_telescope1.88 m Telescope NA  
## disc\_telescope1.93 m Telescope NA  
## disc\_telescope10 m Keck I Telescope NA  
## disc\_telescope10 m Keck II Telescope NA  
## disc\_telescope2.0 m Alfred Jensch Telescope NA  
## disc\_telescope2.15 m Jorge Sahade Telescope NA  
## disc\_telescope2.16 m Telescope NA  
## disc\_telescope2.2 m MPG/ESO Telescope NA  
## disc\_telescope2.4 m Automated Planet Finder Telescope NA  
## disc\_telescope2.5m Sloan Digital Sky Survey (SDSS) Telescope NA  
## disc\_telescope2.7 m Harlan J. Smith Telescope NA  
## disc\_telescope2.7m Harlan J. Smith Telescope NA  
## disc\_telescope20 cm Telescope NA  
## disc\_telescope279mm RASA-11 wide-field telescope NA  
## disc\_telescope3.0 m C. Donald Shane Telescope NA  
## disc\_telescope3.5 m telescope NA  
## disc\_telescope3.58 m Telescopio Nazionale Galileo NA  
## disc\_telescope3.6 m ESO Telescope NA  
## disc\_telescope3.8 m United Kingdom Infrared Telescope NA  
## disc\_telescope3.9 m Anglo-Australian Telescope NA  
## disc\_telescope4.3 m Lowell Discovery Telescope NA  
## disc\_telescope6.5 m Magellan II Clay Telescope NA  
## disc\_telescope8.19 m Gemini North Telescope NA  
## disc\_telescope8.19 m Gemini South Telescope NA  
## disc\_telescope8.2 m ESO VLT UT3 Melipal Telescope NA  
## disc\_telescope8.2 m ESO VLT UT4 Yepun Telescope NA  
## disc\_telescope8.2 m Subaru Telescope NA  
## disc\_telescope9.2 m Hobby-Eberly Telescope NA  
## disc\_telescopeCanon 200mm f/1.8L NA  
## disc\_telescopeCanon 400mm f/2.8L NA  
## disc\_telescopeCoude Auxiliary Telescope NA  
## disc\_telescopeMamiya 645 80mm f/1.9 NA  
## disc\_telescopeMEarth-South telescope array NA  
## disc\_telescopeMultiple Telescopes NA  
## disc\_telescopeNGTS telescopes NA  
## disc\_telescopeRowe-Ackermann Schmidt Astrograph telescope NA  
## disc\_telescopeVery Large Telescope (Antu) NA  
## pl\_orbper NA  
## pl\_orbsmax NA  
## pl\_rade NA  
## pl\_radj NA  
## pl\_bmasse NA  
## pl\_bmassj NA  
## pl\_bmassprovMass NA  
## pl\_bmassprovMsin(i)/sin(i) NA  
## pl\_bmassprovMsini NA  
## pl\_dens NA  
## pl\_orbeccen NA  
## ttv\_flag1 NA  
## st\_teff NA  
## st\_mass NA  
## st\_lum NA  
## st\_logg NA  
## rastr00h01m26.90s NA  
## rastr00h03m05.88s NA  
## rastr00h04m11.18s NA  
## rastr00h06m20.08s NA  
## rastr00h08m17.50s NA  
## rastr00h08m59.83s NA  
## rastr00h09m52.67s NA  
## rastr00h11m42.63s NA  
## rastr00h15m36.79s NA  
## rastr00h15m50.81s NA  
## rastr00h16m15.22s NA  
## rastr00h16m35.12s NA  
## rastr00h17m47.32s NA  
## rastr00h18m24.73s NA  
## rastr00h18m27.04s NA  
## rastr00h18m42.30s NA  
## rastr00h19m17.15s NA  
## rastr00h19m26.23s NA  
## rastr00h20m31.62s NA  
## rastr00h20m38.53s NA  
## rastr00h20m40.07s NA  
## rastr00h20m52.33s NA  
## rastr00h20m57.06s NA  
## rastr00h21m13.34s NA  
## rastr00h22m28.45s NA  
## rastr00h24m20.43s NA  
## rastr00h26m27.26s NA  
## rastr00h26m48.63s NA  
## rastr00h28m12.94s NA  
## rastr00h28m33.92s NA  
## rastr00h29m18.94s NA  
## rastr00h29m59.76s NA  
## rastr00h30m50.29s NA  
## rastr00h33m10.52s NA  
## rastr00h34m57.64s NA  
## rastr00h37m50.10s NA  
## rastr00h38m03.98s NA  
## rastr00h38m17.53s NA  
## rastr00h39m21.29s NA  
## rastr00h39m59.52s NA  
## rastr00h40m21.39s NA  
## rastr00h40m49.75s NA  
## rastr00h43m12.66s NA  
## rastr00h44m27.01s NA  
## rastr00h44m39.66s NA  
## rastr00h44m41.33s NA  
## rastr00h44m59.67s NA  
## rastr00h45m40.35s NA  
## rastr00h45m55.26s NA  
## rastr00h49m14.04s NA  
## rastr00h49m39.88s NA  
## rastr00h50m11.23s NA  
## rastr00h51m06.30s NA  
## rastr00h51m33.02s NA  
## rastr00h52m00.22s NA  
## rastr00h52m19.21s NA  
## rastr00h55m01.39s NA  
## rastr00h57m56.87s NA  
## rastr00h58m14.26s NA  
## rastr01h00m01.46s NA  
## rastr01h00m33.20s NA  
## rastr01h02m12.45s NA  
## rastr01h02m21.16s NA  
## rastr01h02m37.05s NA  
## rastr01h02m40.50s NA  
## rastr01h04m39.92s NA  
## rastr01h05m51.00s NA  
## rastr01h06m02.28s NA  
## rastr01h07m06.89s NA  
## rastr01h07m48.86s NA  
## rastr01h09m53.94s NA  
## rastr01h10m47.50s NA  
## rastr01h12m11.64s NA  
## rastr01h12m31.94s NA  
## rastr01h13m58.88s NA  
## rastr01h14m29.15s NA  
## rastr01h14m34.38s NA  
## rastr01h15m58.87s NA  
## rastr01h17m47.85s NA  
## rastr01h18m12.14s NA  
## rastr01h18m26.43s NA  
## rastr01h20m39.84s NA  
## rastr01h20m51.56s NA  
## rastr01h21m45.22s NA  
## rastr01h21m58.96s NA  
## rastr01h22m07.55s NA  
## rastr01h23m37.32s NA  
## rastr01h24m15.63s NA  
## rastr01h25m12.81s NA  
## rastr01h26m09.08s NA  
## rastr01h27m29.06s NA  
## rastr01h27m41.22s NA  
## rastr01h29m46.99s NA  
## rastr01h30m01.04s NA  
## rastr01h33m20.41s NA  
## rastr01h34m05.15s NA  
## rastr01h34m22.42s NA  
## rastr01h35m51.28s NA  
## rastr01h36m40.29s NA  
## rastr01h36m47.60s NA  
## rastr01h37m25.07s NA  
## rastr01h37m53.55s NA  
## rastr01h38m25.23s NA  
## rastr01h41m53.17s NA  
## rastr01h42m29.60s NA  
## rastr01h43m40.88s NA  
## rastr01h44m02.23s NA  
## rastr01h44m55.78s NA  
## rastr01h45m21.35s NA  
## rastr01h46m31.90s NA  
## rastr01h48m21.15s NA  
## rastr01h48m39.07s NA  
## rastr01h49m37.86s NA  
## rastr01h50m06.53s NA  
## rastr01h52m50.56s NA  
## rastr01h53m06.01s NA  
## rastr01h53m07.82s NA  
## rastr01h54m51.79s NA  
## rastr01h54m56.34s NA  
## rastr01h57m03.23s NA  
## rastr01h57m09.22s NA  
## rastr01h58m49.88s NA  
## rastr02h00m09.40s NA  
## rastr02h00m14.12s NA  
## rastr02h02m26.77s NA  
## rastr02h03m37.20s NA  
## rastr02h04m10.26s NA  
## rastr02h04m34.16s NA  
## rastr02h07m38.20s NA  
## rastr02h08m13.83s NA  
## rastr02h09m11.46s NA  
## rastr02h09m40.18s NA  
## rastr02h10m29.39s NA  
## rastr02h11m07.70s NA  
## rastr02h11m47.29s NA  
## rastr02h12m20.63s NA  
## rastr02h12m31.46s NA  
## rastr02h12m36.96s NA  
## rastr02h12m42.74s NA  
## rastr02h13m12.58s NA  
## rastr02h16m47.52s NA  
## rastr02h17m10.40s NA  
## rastr02h18m14.62s NA  
## rastr02h18m59.54s NA  
## rastr02h21m32.04s NA  
## rastr02h22m14.98s NA  
## rastr02h23m14.04s NA  
## rastr02h26m51.06s NA  
## rastr02h27m06.19s NA  
## rastr02h27m28.29s NA  
## rastr02h28m37.33s NA  
## rastr02h32m09.40s NA  
## rastr02h32m29.03s NA  
## rastr02h33m05.10s NA  
## rastr02h33m26.78s NA  
## rastr02h33m28.60s NA  
## rastr02h35m19.77s NA  
## rastr02h36m57.91s NA  
## rastr02h36m58.58s NA  
## rastr02h37m01.86s NA  
## rastr02h37m07.76s NA  
## rastr02h37m41.85s NA  
## rastr02h37m43.14s NA  
## rastr02h39m35.44s NA  
## rastr02h40m03.27s NA  
## rastr02h42m34.01s NA  
## rastr02h42m50.47s NA  
## rastr02h42m58.21s NA  
## rastr02h44m09.62s NA  
## rastr02h46m22.18s NA  
## rastr02h46m43.22s NA  
## rastr02h48m59.45s NA  
## rastr02h49m09.96s NA  
## rastr02h49m44.79s NA  
## rastr02h50m53.22s NA  
## rastr02h51m04.44s NA  
## rastr02h51m56.39s NA  
## rastr02h53m04.59s NA  
## rastr02h53m27.27s NA  
## rastr02h54m45.14s NA  
## rastr02h55m39.37s NA  
## rastr02h57m02.88s NA  
## rastr03h00m10.63s NA  
## rastr03h01m50.99s NA  
## rastr03h02m19.82s NA  
## rastr03h02m33.75s NA  
## rastr03h05m10.23s NA  
## rastr03h06m07.64s NA  
## rastr03h07m16.47s NA  
## rastr03h07m38.16s NA  
## rastr03h09m28.55s NA  
## rastr03h09m32.20s NA  
## rastr03h10m04.14s NA  
## rastr03h11m14.23s NA  
## rastr03h12m46.64s NA  
## rastr03h13m44.51s NA  
## rastr03h15m07.52s NA  
## rastr03h16m42.75s NA  
## rastr03h18m14.92s NA  
## rastr03h19m59.94s NA  
## rastr03h20m03.35s NA  
## rastr03h20m03.99s NA  
## rastr03h20m43.06s NA  
## rastr03h23m17.70s NA  
## rastr03h24m54.82s NA  
## rastr03h26m11.38s NA  
## rastr03h27m00.05s NA  
## rastr03h27m12.97s NA  
## rastr03h29m22.09s NA  
## rastr03h31m16.33s NA  
## rastr03h32m38.26s NA  
## rastr03h32m54.82s NA  
## rastr03h34m36.27s NA  
## rastr03h35m15.56s NA  
## rastr03h36m00.78s NA  
## rastr03h39m00.35s NA  
## rastr03h39m16.69s NA  
## rastr03h39m23.79s NA  
## rastr03h39m42.77s NA  
## rastr03h40m49.57s NA  
## rastr03h41m01.42s NA  
## rastr03h41m50.17s NA  
## rastr03h43m44.07s NA  
## rastr03h45m01.52s NA  
## rastr03h45m33.75s NA  
## rastr03h48m00.45s NA  
## rastr03h48m16.11s NA  
## rastr03h49m56.51s NA  
## rastr03h50m23.09s NA  
## rastr03h50m37.73s NA  
## rastr03h53m03.34s NA  
## rastr03h53m42.96s NA  
## rastr03h55m49.79s NA  
## rastr03h56m36.24s NA  
## rastr03h56m36.66s NA  
## rastr03h57m44.05s NA  
## rastr03h57m51.56s NA  
## rastr03h59m33.67s NA  
## rastr03h59m36.33s NA  
## rastr04h01m32.53s NA  
## rastr04h03m37.80s NA  
## rastr04h03m47.59s NA  
## rastr04h03m47.85s NA  
## rastr04h04m22.73s NA  
## rastr04h05m19.60s NA  
## rastr04h06m34.90s NA  
## rastr04h06m37.87s NA  
## rastr04h07m01.36s NA  
## rastr04h07m45.85s NA  
## rastr04h09m17.48s NA  
## rastr04h09m38.93s NA  
## rastr04h10m27.86s NA  
## rastr04h10m40.90s NA  
## rastr04h11m51.93s NA  
## rastr04h12m52.38s NA  
## rastr04h13m05.74s NA  
## rastr04h13m29.93s NA  
## rastr04h15m01.50s NA  
## rastr04h16m28.93s NA  
## rastr04h16m45.65s NA  
## rastr04h17m02.35s NA  
## rastr04h19m45.41s NA  
## rastr04h20m47.42s NA  
## rastr04h20m57.19s NA  
## rastr04h21m05.61s NA  
## rastr04h21m07.36s NA  
## rastr04h21m52.70s NA  
## rastr04h24m50.60s NA  
## rastr04h24m59.55s NA  
## rastr04h25m29.02s NA  
## rastr04h26m26.41s NA  
## rastr04h26m48.78s NA  
## rastr04h26m49.64s NA  
## rastr04h28m35.63s NA  
## rastr04h28m37.12s NA  
## rastr04h28m53.48s NA  
## rastr04h29m39.09s NA  
## rastr04h29m40.46s NA  
## rastr04h31m25.46s NA  
## rastr04h32m04.93s NA  
## rastr04h32m32.76s NA  
## rastr04h32m42.96s NA  
## rastr04h33m33.68s NA  
## rastr04h33m39.86s NA  
## rastr04h34m22.55s NA  
## rastr04h35m23.16s NA  
## rastr04h35m50.36s NA  
## rastr04h35m53.85s NA  
## rastr04h37m36.18s NA  
## rastr04h37m52.35s NA  
## rastr04h38m12.56s NA  
## rastr04h41m21.54s NA  
## rastr04h41m43.75s NA  
## rastr04h41m54.50s NA  
## rastr04h42m05.20s NA  
## rastr04h42m56.49s NA  
## rastr04h44m06.76s NA  
## rastr04h47m17.86s NA  
## rastr04h48m28.76s NA  
## rastr04h48m36.71s NA  
## rastr04h50m17.88s NA  
## rastr04h50m38.54s NA  
## rastr04h50m46.56s NA  
## rastr04h51m36.14s NA  
## rastr04h52m05.89s NA  
## rastr04h53m25.27s NA  
## rastr04h53m50.42s NA  
## rastr04h54m43.75s NA  
## rastr04h54m48.35s NA  
## rastr04h55m04.03s NA  
## rastr04h55m38.31s NA  
## rastr04h55m55.20s NA  
## rastr04h58m01.05s NA  
## rastr04h58m12.56s NA  
## rastr05h01m11.92s NA  
## rastr05h01m55.24s NA  
## rastr05h03m10.89s NA  
## rastr05h03m23.11s NA  
## rastr05h04m19.65s NA  
## rastr05h05m14.33s NA  
## rastr05h05m47.03s NA  
## rastr05h07m28.16s NA  
## rastr05h07m35.53s NA  
## rastr05h07m55.68s NA  
## rastr05h08m01.08s NA  
## rastr05h09m36.90s NA  
## rastr05h10m27.09s NA  
## rastr05h11m50.08s NA  
## rastr05h12m36.14s NA  
## rastr05h13m10.94s NA  
## rastr05h15m47.31s NA  
## rastr05h16m33.79s NA  
## rastr05h17m40.98s NA  
## rastr05h19m04.38s NA  
## rastr05h22m09.18s NA  
## rastr05h22m33.10s NA  
## rastr05h23m21.60s NA  
## rastr05h25m22.70s NA  
## rastr05h27m04.78s NA  
## rastr05h27m24.79s NA  
## rastr05h30m51.41s NA  
## rastr05h31m33.28s NA  
## rastr05h33m04.62s NA  
## rastr05h35m27.82s NA  
## rastr05h36m36.65s NA  
## rastr05h37m02.40s NA  
## rastr05h37m02.53s NA  
## rastr05h37m11.83s NA  
## rastr05h37m18.42s NA  
## rastr05h39m43.68s NA  
## rastr05h40m01.78s NA  
## rastr05h40m19.21s NA  
## rastr05h44m30.98s NA  
## rastr05h46m34.83s NA  
## rastr05h46m57.17s NA  
## rastr05h47m06.27s NA  
## rastr05h47m17.10s NA  
## rastr05h47m24.23s NA  
## rastr05h47m59.12s NA  
## rastr05h48m33.56s NA  
## rastr05h48m45.13s NA  
## rastr05h49m36.43s NA  
## rastr05h50m43.09s NA  
## rastr05h52m35.23s NA  
## rastr05h53m00.28s NA  
## rastr05h54m04.13s NA  
## rastr05h54m30.26s NA  
## rastr05h56m31.21s NA  
## rastr05h58m23.73s NA  
## rastr06h00m15.02s NA  
## rastr06h04m00.87s NA  
## rastr06h04m21.53s NA  
## rastr06h04m21.60s NA  
## rastr06h04m30.08s NA  
## rastr06h06m09.68s NA  
## rastr06h06m39.07s NA  
## rastr06h07m11.93s NA  
## rastr06h07m29.35s NA  
## rastr06h08m31.94s NA  
## rastr06h09m56.51s NA  
## rastr06h10m34.46s NA  
## rastr06h10m39.37s NA  
## rastr06h11m44.67s NA  
## rastr06h12m00.77s NA  
## rastr06h12m27.54s NA  
## rastr06h13m35.84s NA  
## rastr06h16m26.90s NA  
## rastr06h17m08.12s NA  
## rastr06h17m20.73s NA  
## rastr06h19m10.31s NA  
## rastr06h19m16.98s NA  
## rastr06h19m34.71s NA  
## rastr06h20m14.40s NA  
## rastr06h21m39.89s NA  
## rastr06h24m43.68s NA  
## rastr06h25m38.54s NA  
## rastr06h26m58.71s NA  
## rastr06h28m08.06s NA  
## rastr06h28m22.97s NA  
## rastr06h28m45.65s NA  
## rastr06h29m13.41s NA  
## rastr06h30m32.79s NA  
## rastr06h30m47.05s NA  
## rastr06h30m52.90s NA  
## rastr06h32m41.38s NA  
## rastr06h33m12.74s NA  
## rastr06h33m24.26s NA  
## rastr06h36m08.81s NA  
## rastr06h36m41.11s NA  
## rastr06h37m03.13s NA  
## rastr06h37m09.97s NA  
## rastr06h37m40.80s NA  
## rastr06h37m47.75s NA  
## rastr06h38m56.30s NA  
## rastr06h39m35.52s NA  
## rastr06h40m01.77s NA  
## rastr06h42m17.10s NA  
## rastr06h43m03.76s NA  
## rastr06h43m23.52s NA  
## rastr06h43m49.48s NA  
## rastr06h44m12.63s NA  
## rastr06h44m27.58s NA  
## rastr06h44m30.60s NA  
## rastr06h45m06.54s NA  
## rastr06h45m34.75s NA  
## rastr06h47m41.41s NA  
## rastr06h47m58.62s NA  
## rastr06h48m19.17s NA  
## rastr06h48m46.71s NA  
## rastr06h50m53.07s NA  
## rastr06h51m23.38s NA  
## rastr06h51m30.56s NA  
## rastr06h52m01.94s NA  
## rastr06h53m39.08s NA  
## rastr06h53m41.81s NA  
## rastr06h54m04.17s NA  
## rastr06h54m42.79s NA  
## rastr06h54m48.06s NA  
## rastr06h54m51.29s NA  
## rastr07h00m17.91s NA  
## rastr07h01m37.09s NA  
## rastr07h05m42.19s NA  
## rastr07h06m14.18s NA  
## rastr07h09m57.16s NA  
## rastr07h10m24.06s NA  
## rastr07h11m08.33s NA  
## rastr07h11m22.48s NA  
## rastr07h12m04.68s NA  
## rastr07h12m10.61s NA  
## rastr07h12m14.93s NA  
## rastr07h13m12.34s NA  
## rastr07h13m48.58s NA  
## rastr07h15m18.03s NA  
## rastr07h16m10.78s NA  
## rastr07h16m25.09s NA  
## rastr07h17m18.10s NA  
## rastr07h17m33.21s NA  
## rastr07h20m40.44s NA  
## rastr07h21m33.13s NA  
## rastr07h22m03.04s NA  
## rastr07h24m48.60s NA  
## rastr07h27m39.94s NA  
## rastr07h28m02.41s NA  
## rastr07h29m40.61s NA  
## rastr07h31m48.45s NA  
## rastr07h31m51.70s NA  
## rastr07h32m44.22s NA  
## rastr07h34m03.14s NA  
## rastr07h35m01.98s NA  
## rastr07h35m37.26s NA  
## rastr07h37m08.01s NA  
## rastr07h37m09.23s NA  
## rastr07h38m28.84s NA  
## rastr07h39m21.75s NA  
## rastr07h40m32.80s NA  
## rastr07h43m43.61s NA  
## rastr07h44m19.71s NA  
## rastr07h45m28.97s NA  
## rastr07h46m51.93s NA  
## rastr07h47m49.98s NA  
## rastr07h48m06.42s NA  
## rastr07h48m07.43s NA  
## rastr07h49m27.63s NA  
## rastr07h49m39.59s NA  
## rastr07h49m55.05s NA  
## rastr07h51m55.81s NA  
## rastr07h52m15.23s NA  
## rastr07h53m41.03s NA  
## rastr07h53m55.96s NA  
## rastr07h54m10.54s NA  
## rastr07h56m14.36s NA  
## rastr07h59m05.64s NA  
## rastr08h02m15.91s NA  
## rastr08h02m22.47s NA  
## rastr08h02m26.80s NA  
## rastr08h03m28.60s NA  
## rastr08h05m23.39s NA  
## rastr08h07m27.18s NA  
## rastr08h07m39.74s NA  
## rastr08h13m00.17s NA  
## rastr08h13m31.64s NA  
## rastr08h13m34.14s NA  
## rastr08h14m13.20s NA  
## rastr08h15m47.96s NA  
## rastr08h16m30.87s NA  
## rastr08h18m07.89s NA  
## rastr08h18m22.45s NA  
## rastr08h18m24.24s NA  
## rastr08h18m25.62s NA  
## rastr08h21m13.21s NA  
## rastr08h21m27.87s NA  
## rastr08h22m49.90s NA  
## rastr08h25m44.10s NA  
## rastr08h25m51.45s NA  
## rastr08h25m54.29s NA  
## rastr08h25m57.17s NA  
## rastr08h26m12.84s NA  
## rastr08h27m44.80s NA  
## rastr08h29m32.94s NA  
## rastr08h30m18.89s NA  
## rastr08h31m03.08s NA  
## rastr08h31m31.90s NA  
## rastr08h33m36.68s NA  
## rastr08h34m03.07s NA  
## rastr08h34m38.80s NA  
## rastr08h34m52.69s NA  
## rastr08h35m42.17s NA  
## rastr08h36m17.64s NA  
## rastr08h36m22.80s NA  
## rastr08h37m16.40s NA  
## rastr08h37m27.02s NA  
## rastr08h38m24.26s NA  
## rastr08h38m32.80s NA  
## rastr08h38m43.71s NA  
## rastr08h38m45.19s NA  
## rastr08h39m15.68s NA  
## rastr08h39m31.77s NA  
## rastr08h40m06.41s NA  
## rastr08h40m12.67s NA  
## rastr08h40m17.87s NA  
## rastr08h40m43.21s NA  
## rastr08h40m58.69s NA  
## rastr08h41m10.84s NA  
## rastr08h41m19.60s NA  
## rastr08h41m22.54s NA  
## rastr08h41m38.45s NA  
## rastr08h41m43.78s NA  
## rastr08h42m01.35s NA  
## rastr08h42m11.46s NA  
## rastr08h42m25.15s NA  
## rastr08h43m36.05s NA  
## rastr08h44m25.68s NA  
## rastr08h45m26.00s NA  
## rastr08h46m19.29s NA  
## rastr08h47m40.36s NA  
## rastr08h48m02.37s NA  
## rastr08h48m30.45s NA  
## rastr08h49m12.38s NA  
## rastr08h49m56.81s NA  
## rastr08h52m23.81s NA  
## rastr08h52m35.24s NA  
## rastr08h53m17.83s NA  
## rastr08h53m38.09s NA  
## rastr08h53m50.69s NA  
## rastr08h53m54.77s NA  
## rastr08h54m33.85s NA  
## rastr08h55m07.67s NA  
## rastr08h55m16.88s NA  
## rastr08h55m25.38s NA  
## rastr08h57m46.59s NA  
## rastr09h01m12.54s NA  
## rastr09h01m22.65s NA  
## rastr09h06m17.81s NA  
## rastr09h09m48.84s NA  
## rastr09h11m58.67s NA  
## rastr09h12m24.52s NA  
## rastr09h14m22.00s NA  
## rastr09h15m09.26s NA  
## rastr09h16m27.02s NA  
## rastr09h19m43.96s NA  
## rastr09h20m21.02s NA  
## rastr09h20m24.71s NA  
## rastr09h21m21.38s NA  
## rastr09h22m01.52s NA  
## rastr09h22m37.67s NA  
## rastr09h23m09.91s NA  
## rastr09h23m46.92s NA  
## rastr09h27m40.95s NA  
## rastr09h28m39.98s NA  
## rastr09h28m41.63s NA  
## rastr09h34m50.74s NA  
## rastr09h35m45.20s NA  
## rastr09h36m28.65s NA  
## rastr09h37m05.18s NA  
## rastr09h37m09.03s NA  
## rastr09h37m11.86s NA  
## rastr09h38m09.07s NA  
## rastr09h39m30.03s NA  
## rastr09h39m42.45s NA  
## rastr09h44m29.15s NA  
## rastr09h45m35.30s NA  
## rastr09h50m02.54s NA  
## rastr09h50m19.22s NA  
## rastr09h51m07.71s NA  
## rastr09h52m44.44s NA  
## rastr09h52m45.57s NA  
## rastr09h53m40.02s NA  
## rastr09h54m34.35s NA  
## rastr09h55m42.16s NA  
## rastr09h56m05.85s NA  
## rastr09h56m07.98s NA  
## rastr09h56m29.64s NA  
## rastr09h56m57.82s NA  
## rastr09h59m17.68s NA  
## rastr10h00m47.33s NA  
## rastr10h01m37.60s NA  
## rastr10h02m17.43s NA  
## rastr10h02m20.77s NA  
## rastr10h06m28.49s NA  
## rastr10h06m40.69s NA  
## rastr10h08m43.06s NA  
## rastr10h08m52.38s NA  
## rastr10h09m23.22s NA  
## rastr10h10m07.66s NA  
## rastr10h14m50.18s NA  
## rastr10h16m44.83s NA  
## rastr10h17m05.05s NA  
## rastr10h17m06.67s NA  
## rastr10h18m21.00s NA  
## rastr10h18m34.78s NA  
## rastr10h18m41.06s NA  
## rastr10h19m37.96s NA  
## rastr10h20m40.53s NA  
## rastr10h22m10.40s NA  
## rastr10h22m25.89s NA  
## rastr10h22m43.55s NA  
## rastr10h23m28.44s NA  
## rastr10h23m55.23s NA  
## rastr10h23m56.19s NA  
## rastr10h26m59.34s NA  
## rastr10h28m15.03s NA  
## rastr10h28m34.58s NA  
## rastr10h29m38.96s NA  
## rastr10h31m44.56s NA  
## rastr10h32m54.01s NA  
## rastr10h37m21.89s NA  
## rastr10h37m38.24s NA  
## rastr10h40m14.36s NA  
## rastr10h42m14.10s NA  
## rastr10h42m24.57s NA  
## rastr10h42m48.51s NA  
## rastr10h42m59.54s NA  
## rastr10h44m20.80s NA  
## rastr10h46m15.05s NA  
## rastr10h46m42.70s NA  
## rastr10h46m49.66s NA  
## rastr10h47m38.17s NA  
## rastr10h50m34.58s NA  
## rastr10h52m07.75s NA  
## rastr10h53m17.79s NA  
## rastr10h55m53.92s NA  
## rastr10h57m15.03s NA  
## rastr10h57m23.79s NA  
## rastr10h58m20.77s NA  
## rastr10h58m28.59s NA  
## rastr10h58m34.40s NA  
## rastr10h58m47.70s NA  
## rastr10h59m25.52s NA  
## rastr10h59m27.54s NA  
## rastr10h59m35.07s NA  
## rastr11h00m40.13s NA  
## rastr11h01m15.80s NA  
## rastr11h01m35.85s NA  
## rastr11h02m45.72s NA  
## rastr11h03m27.81s NA  
## rastr11h04m44.48s NA  
## rastr11h05m15.02s NA  
## rastr11h05m16.51s NA  
## rastr11h05m17.56s NA  
## rastr11h05m43.11s NA  
## rastr11h05m45.96s NA  
## rastr11h07m27.44s NA  
## rastr11h07m53.82s NA  
## rastr11h09m18.70s NA  
## rastr11h10m13.09s NA  
## rastr11h10m23.19s NA  
## rastr11h10m25.97s NA  
## rastr11h11m05.88s NA  
## rastr11h13m10.30s NA  
## rastr11h14m15.33s NA  
## rastr11h14m33.04s NA  
## rastr11h15m55.45s NA  
## rastr11h16m28.09s NA  
## rastr11h17m45.33s NA  
## rastr11h17m47.41s NA  
## rastr11h17m47.76s NA  
## rastr11h18m31.86s NA  
## rastr11h20m24.74s NA  
## rastr11h20m33.81s NA  
## rastr11h20m51.54s NA  
## rastr11h21m17.84s NA  
## rastr11h21m49.18s NA  
## rastr11h22m05.45s NA  
## rastr11h24m03.55s NA  
## rastr11h24m17.17s NA  
## rastr11h24m31.29s NA  
## rastr11h25m05.98s NA  
## rastr11h25m56.98s NA  
## rastr11h26m03.64s NA  
## rastr11h26m04.72s NA  
## rastr11h26m45.52s NA  
## rastr11h27m22.81s NA  
## rastr11h28m29.20s NA  
## rastr11h28m30.28s NA  
## rastr11h29m20.49s NA  
## rastr11h30m14.43s NA  
## rastr11h32m46.06s NA  
## rastr11h35m03.69s NA  
## rastr11h35m26.86s NA  
## rastr11h35m49.78s NA  
## rastr11h35m51.51s NA  
## rastr11h36m02.37s NA  
## rastr11h36m48.21s NA  
## rastr11h36m56.93s NA  
## rastr11h38m58.93s NA  
## rastr11h39m50.46s NA  
## rastr11h41m43.83s NA  
## rastr11h42m06.06s NA  
## rastr11h42m12.13s NA  
## rastr11h43m30.15s NA  
## rastr11h43m37.93s NA  
## rastr11h44m40.93s NA  
## rastr11h44m50.33s NA  
## rastr11h44m57.66s NA  
## rastr11h44m59.99s NA  
## rastr11h45m11.77s NA  
## rastr11h45m42.10s NA  
## rastr11h45m55.69s NA  
## rastr11h46m23.53s NA  
## rastr11h46m28.99s NA  
## rastr11h46m30.80s NA  
## rastr11h46m46.60s NA  
## rastr11h46m57.32s NA  
## rastr11h47m45.02s NA  
## rastr11h50m15.53s NA  
## rastr11h50m20.51s NA  
## rastr11h51m22.49s NA  
## rastr11h52m13.65s NA  
## rastr11h52m52.85s NA  
## rastr11h53m19.12s NA  
## rastr11h54m18.72s NA  
## rastr11h56m41.12s NA  
## rastr11h56m55.46s NA  
## rastr11h57m45.19s NA  
## rastr11h58m11.51s NA  
## rastr11h59m10.17s NA  
## rastr12h00m39.62s NA  
## rastr12h00m50.11s NA  
## rastr12h02m11.09s NA  
## rastr12h05m15.79s NA  
## rastr12h06m17.24s NA  
## rastr12h08m39.90s NA  
## rastr12h09m36.51s NA  
## rastr12h10m38.69s NA  
## rastr12h11m00.34s NA  
## rastr12h12m21.27s NA  
## rastr12h13m27.85s NA  
## rastr12h13m29.53s NA  
## rastr12h13m37.18s NA  
## rastr12h13m53.39s NA  
## rastr12h14m15.35s NA  
## rastr12h15m06.30s NA  
## rastr12h19m13.43s NA  
## rastr12h19m23.33s NA  
## rastr12h20m42.91s NA  
## rastr12h21m17.92s NA  
## rastr12h22m58.57s NA  
## rastr12h25m45.84s NA  
## rastr12h25m50.72s NA  
## rastr12h25m56.65s NA  
## rastr12h26m17.78s NA  
## rastr12h27m08.95s NA  
## rastr12h27m29.50s NA  
## rastr12h27m31.00s NA  
## rastr12h30m19.83s NA  
## rastr12h30m27.02s NA  
## rastr12h30m44.81s NA  
## rastr12h32m06.52s NA  
## rastr12h32m32.96s NA  
## rastr12h33m03.89s NA  
## rastr12h33m32.74s NA  
## rastr12h33m35.00s NA  
## rastr12h33m35.38s NA  
## rastr12h35m41.37s NA  
## rastr12h37m16.16s NA  
## rastr12h38m51.22s NA  
## rastr12h39m14.69s NA  
## rastr12h39m15.71s NA  
## rastr12h40m08.78s NA  
## rastr12h40m36.47s NA  
## rastr12h42m28.51s NA  
## rastr12h42m59.10s NA  
## rastr12h46m48.68s NA  
## rastr12h47m55.57s NA  
## rastr12h48m45.50s NA  
## rastr12h48m51.83s NA  
## rastr12h50m21.43s NA  
## rastr12h51m55.49s NA  
## rastr12h53m10.88s NA  
## rastr12h54m12.59s NA  
## rastr12h55m35.72s NA  
## rastr12h56m57.96s NA  
## rastr12h57m31.80s NA  
## rastr12h57m52.34s NA  
## rastr12h58m57.51s NA  
## rastr13h01m26.34s NA  
## rastr13h01m46.52s NA  
## rastr13h03m10.56s NA  
## rastr13h03m55.64s NA  
## rastr13h04m56.14s NA  
## rastr13h07m10.77s NA  
## rastr13h09m16.11s NA  
## rastr13h10m39.65s NA  
## rastr13h11m59.18s NA  
## rastr13h12m02.68s NA  
## rastr13h12m43.64s NA  
## rastr13h12m44.02s NA  
## rastr13h13m33.26s NA  
## rastr13h16m47.09s NA  
## rastr13h16m51.74s NA  
## rastr13h17m20.12s NA  
## rastr13h17m44.10s NA  
## rastr13h18m23.15s NA  
## rastr13h19m12.44s NA  
## rastr13h19m56.49s NA  
## rastr13h20m39.53s NA  
## rastr13h22m32.37s NA  
## rastr13h22m56.05s NA  
## rastr13h24m21.04s NA  
## rastr13h25m07.83s NA  
## rastr13h26m37.24s NA  
## rastr13h26m52.97s NA  
## rastr13h28m25.56s NA  
## rastr13h29m20.85s NA  
## rastr13h30m00.97s NA  
## rastr13h30m25.22s NA  
## rastr13h32m25.44s NA  
## rastr13h32m25.59s NA  
## rastr13h34m02.39s NA  
## rastr13h34m11.21s NA  
## rastr13h35m01.97s NA  
## rastr13h36m34.05s NA  
## rastr13h36m53.16s NA  
## rastr13h37m45.04s NA  
## rastr13h38m48.14s NA  
## rastr13h41m30.21s NA  
## rastr13h41m49.02s NA  
## rastr13h42m38.88s NA  
## rastr13h44m22.56s NA  
## rastr13h46m56.59s NA  
## rastr13h47m15.23s NA  
## rastr13h47m23.09s NA  
## rastr13h48m18.79s NA  
## rastr13h49m23.94s NA  
## rastr13h49m53.72s NA  
## rastr13h50m19.40s NA  
## rastr13h50m37.32s NA  
## rastr13h51m37.84s NA  
## rastr13h53m51.69s NA  
## rastr13h55m05.70s NA  
## rastr13h55m25.62s NA  
## rastr13h55m36.35s NA  
## rastr13h55m42.72s NA  
## rastr13h57m16.78s NA  
## rastr13h57m33.27s NA  
## rastr13h58m04.08s NA  
## rastr14h00m46.46s NA  
## rastr14h01m02.33s NA  
## rastr14h08m10.11s NA  
## rastr14h11m16.97s NA  
## rastr14h12m34.53s NA  
## rastr14h12m37.57s NA  
## rastr14h16m14.30s NA  
## rastr14h18m09.30s NA  
## rastr14h18m43.92s NA  
## rastr14h20m29.46s NA  
## rastr14h20m53.45s NA  
## rastr14h21m22.42s NA  
## rastr14h23m12.36s NA  
## rastr14h26m05.72s NA  
## rastr14h26m35.38s NA  
## rastr14h26m48.12s NA  
## rastr14h27m32.46s NA  
## rastr14h27m41.64s NA  
## rastr14h28m37.33s NA  
## rastr14h29m18.40s NA  
## rastr14h29m18.50s NA  
## rastr14h29m34.43s NA  
## rastr14h30m26.21s NA  
## rastr14h30m44.37s NA  
## rastr14h31m42.19s NA  
## rastr14h32m51.79s NA  
## rastr14h33m06.39s NA  
## rastr14h34m16.44s NA  
## rastr14h36m00.78s NA  
## rastr14h37m04.87s NA  
## rastr14h44m13.98s NA  
## rastr14h46m02.50s NA  
## rastr14h47m32.59s NA  
## rastr14h47m46.53s NA  
## rastr14h48m50.42s NA  
## rastr14h51m04.16s NA  
## rastr14h53m23.08s NA  
## rastr14h54m38.09s NA  
## rastr14h55m16.79s NA  
## rastr14h56m48.40s NA  
## rastr14h56m54.63s NA  
## rastr14h57m25.44s NA  
## rastr14h58m21.43s NA  
## rastr14h59m29.49s NA  
## rastr15h00m19.17s NA  
## rastr15h02m44.82s NA  
## rastr15h03m35.63s NA  
## rastr15h03m35.99s NA  
## rastr15h05m20.92s NA  
## rastr15h08m51.72s NA  
## rastr15h09m04.88s NA  
## rastr15h10m07.72s NA  
## rastr15h10m38.08s NA  
## rastr15h10m44.34s NA  
## rastr15h12m59.58s NA  
## rastr15h13m28.21s NA  
## rastr15h17m05.90s NA  
## rastr15h17m48.28s NA  
## rastr15h18m17.16s NA  
## rastr15h18m55.35s NA  
## rastr15h19m25.55s NA  
## rastr15h19m57.89s NA  
## rastr15h20m08.42s NA  
## rastr15h20m13.36s NA  
## rastr15h20m41.38s NA  
## rastr15h21m45.63s NA  
## rastr15h21m55.18s NA  
## rastr15h22m51.78s NA  
## rastr15h23m50.71s NA  
## rastr15h24m55.76s NA  
## rastr15h26m58.09s NA  
## rastr15h28m35.19s NA  
## rastr15h30m18.59s NA  
## rastr15h32m17.84s NA  
## rastr15h35m16.17s NA  
## rastr15h35m31.65s NA  
## rastr15h35m39.62s NA  
## rastr15h39m25.89s NA  
## rastr15h46m26.38s NA  
## rastr15h46m53.65s NA  
## rastr15h47m28.56s NA  
## rastr15h49m37.32s NA  
## rastr15h50m17.58s NA  
## rastr15h51m13.92s NA  
## rastr15h52m17.65s NA  
## rastr15h52m56.22s NA  
## rastr15h53m36.57s NA  
## rastr15h57m35.16s NA  
## rastr15h57m40.56s NA  
## rastr15h58m18.62s NA  
## rastr15h59m50.94s NA  
## rastr16h00m07.99s NA  
## rastr16h00m22.95s NA  
## rastr16h01m02.42s NA  
## rastr16h01m50.12s NA  
## rastr16h02m11.83s NA  
## rastr16h05m17.50s NA  
## rastr16h09m03.49s NA  
## rastr16h10m03.89s NA  
## rastr16h10m11.56s NA  
## rastr16h10m17.30s NA  
## rastr16h10m17.63s NA  
## rastr16h10m24.50s NA  
## rastr16h11m36.47s NA  
## rastr16h12m41.82s NA  
## rastr16h13m09.89s NA  
## rastr16h13m50.90s NA  
## rastr16h15m50.33s NA  
## rastr16h16m41.42s NA  
## rastr16h20m36.34s NA  
## rastr16h21m45.73s NA  
## rastr16h22m59.76s NA  
## rastr16h24m01.39s NA  
## rastr16h25m25.39s NA  
## rastr16h25m44.44s NA  
## rastr16h25m45.13s NA  
## rastr16h26m46.09s NA  
## rastr16h28m17.35s NA  
## rastr16h28m28.11s NA  
## rastr16h30m17.96s NA  
## rastr16h30m29.52s NA  
## rastr16h31m18.14s NA  
## rastr16h31m28.10s NA  
## rastr16h32m51.04s NA  
## rastr16h37m08.52s NA  
## rastr16h37m15.57s NA  
## rastr16h48m01.92s NA  
## rastr16h49m42.24s NA  
## rastr16h53m29.58s NA  
## rastr16h53m43.59s NA  
## rastr16h55m04.52s NA  
## rastr16h55m08.37s NA  
## rastr16h56m31.32s NA  
## rastr16h57m52.96s NA  
## rastr16h58m08.72s NA  
## rastr17h02m36.59s NA  
## rastr17h04m27.94s NA  
## rastr17h04m31.03s NA  
## rastr17h05m23.13s NA  
## rastr17h06m26.57s NA  
## rastr17h07m04.95s NA  
## rastr17h09m34.34s NA  
## rastr17h09m41.01s NA  
## rastr17h10m04.97s NA  
## rastr17h11m15.89s NA  
## rastr17h12m23.20s NA  
## rastr17h15m19.54s NA  
## rastr17h16m00.49s NA  
## rastr17h16m04.14s NA  
## rastr17h17m03.52s NA  
## rastr17h17m40.40s NA  
## rastr17h19m00.25s NA  
## rastr17h19m37.23s NA  
## rastr17h19m51.35s NA  
## rastr17h20m27.88s NA  
## rastr17h20m34.16s NA  
## rastr17h22m08.74s NA  
## rastr17h24m50.07s NA  
## rastr17h25m45.49s NA  
## rastr17h28m40.81s NA  
## rastr17h30m10.77s NA  
## rastr17h33m21.49s NA  
## rastr17h35m01.94s NA  
## rastr17h35m13.73s NA  
## rastr17h35m35.05s NA  
## rastr17h36m25.00s NA  
## rastr17h37m02.65s NA  
## rastr17h37m03.12s NA  
## rastr17h37m05.64s NA  
## rastr17h37m08.97s NA  
## rastr17h37m54.36s NA  
## rastr17h38m59.20s NA  
## rastr17h41m58.22s NA  
## rastr17h44m08.68s NA  
## rastr17h49m08.37s NA  
## rastr17h50m33.72s NA  
## rastr17h50m38.38s NA  
## rastr17h51m28.26s NA  
## rastr17h52m06.99s NA  
## rastr17h53m13.04s NA  
## rastr17h53m40.35s NA  
## rastr17h55m33.77s NA  
## rastr17h59m01.58s NA  
## rastr18h00m38.73s NA  
## rastr18h01m31.22s NA  
## rastr18h01m46.60s NA  
## rastr18h02m31.31s NA  
## rastr18h03m06.89s NA  
## rastr18h05m17.80s NA  
## rastr18h05m21.52s NA  
## rastr18h05m22.66s NA  
## rastr18h05m35.50s NA  
## rastr18h05m57.44s NA  
## rastr18h06m09.04s NA  
## rastr18h09m04.09s NA  
## rastr18h10m31.83s NA  
## rastr18h13m59.73s NA  
## rastr18h15m32.35s NA  
## rastr18h16m49.63s NA  
## rastr18h16m53.12s NA  
## rastr18h17m29.58s NA  
## rastr18h17m37.33s NA  
## rastr18h18m48.30s NA  
## rastr18h18m58.42s NA  
## rastr18h20m03.84s NA  
## rastr18h21m49.76s NA  
## rastr18h22m39.41s NA  
## rastr18h25m59.40s NA  
## rastr18h27m14.41s NA  
## rastr18h27m49.48s NA  
## rastr18h29m10.93s NA  
## rastr18h29m54.74s NA  
## rastr18h30m24.28s NA  
## rastr18h31m00.24s NA  
## rastr18h31m46.47s NA  
## rastr18h32m15.45s NA  
## rastr18h33m28.53s NA  
## rastr18h33m33.43s NA  
## rastr18h33m59.00s NA  
## rastr18h34m05.92s NA  
## rastr18h34m31.62s NA  
## rastr18h34m43.64s NA  
## rastr18h34m45.20s NA  
## rastr18h34m47.82s NA  
## rastr18h35m19.06s NA  
## rastr18h35m36.50s NA  
## rastr18h36m53.07s NA  
## rastr18h37m02.99s NA  
## rastr18h37m25.95s NA  
## rastr18h38m20.21s NA  
## rastr18h39m00.12s NA  
## rastr18h39m07.84s NA  
## rastr18h39m19.62s NA  
## rastr18h40m49.59s NA  
## rastr18h40m59.88s NA  
## rastr18h41m02.01s NA  
## rastr18h41m15.56s NA  
## rastr18h42m02.80s NA  
## rastr18h42m31.12s NA  
## rastr18h42m33.94s NA  
## rastr18h42m40.11s NA  
## rastr18h42m44.95s NA  
## rastr18h42m45.82s NA  
## rastr18h42m50.06s NA  
## rastr18h43m08.80s NA  
## rastr18h43m10.37s NA  
## rastr18h43m12.36s NA  
## rastr18h43m17.61s NA  
## rastr18h43m36.14s NA  
## rastr18h43m42.28s NA  
## rastr18h44m11.81s NA  
## rastr18h44m12.08s NA  
## rastr18h44m17.41s NA  
## rastr18h44m26.82s NA  
## rastr18h44m26.95s NA  
## rastr18h44m42.32s NA  
## rastr18h44m46.74s NA  
## rastr18h45m07.13s NA  
## rastr18h45m09.15s NA  
## rastr18h45m10.99s NA  
## rastr18h45m11.65s NA  
## rastr18h45m17.42s NA  
## rastr18h45m23.70s NA  
## rastr18h45m49.73s NA  
## rastr18h45m55.79s NA  
## rastr18h46m14.75s NA  
## rastr18h46m16.80s NA  
## rastr18h46m19.87s NA  
## rastr18h46m22.59s NA  
## rastr18h46m32.09s NA  
## rastr18h46m34.97s NA  
## rastr18h46m35.43s NA  
## rastr18h46m39.11s NA  
## rastr18h46m46.57s NA  
## rastr18h47m03.92s NA  
## rastr18h47m19.54s NA  
## rastr18h47m20.48s NA  
## rastr18h47m35.36s NA  
## rastr18h47m35.59s NA  
## rastr18h47m39.75s NA  
## rastr18h47m50.54s NA  
## rastr18h47m53.10s NA  
## rastr18h48m01.12s NA  
## rastr18h48m08.00s NA  
## rastr18h48m08.52s NA  
## rastr18h48m14.71s NA  
## rastr18h48m24.04s NA  
## rastr18h48m26.72s NA  
## rastr18h48m28.28s NA  
## rastr18h48m32.54s NA  
## rastr18h48m33.73s NA  
## rastr18h48m44.57s NA  
## rastr18h48m48.03s NA  
## rastr18h48m51.13s NA  
## rastr18h48m55.80s NA  
## rastr18h48m56.83s NA  
## rastr18h48m57.53s NA  
## rastr18h49m00.03s NA  
## rastr18h49m12.30s NA  
## rastr18h49m19.88s NA  
## rastr18h49m20.53s NA  
## rastr18h49m27.25s NA  
## rastr18h49m28.94s NA  
## rastr18h49m30.61s NA  
## rastr18h49m34.07s NA  
## rastr18h49m34.73s NA  
## rastr18h49m41.51s NA  
## rastr18h49m45.39s NA  
## rastr18h49m48.17s NA  
## rastr18h49m50.52s NA  
## rastr18h49m52.36s NA  
## rastr18h49m58.14s NA  
## rastr18h50m31.11s NA  
## rastr18h50m31.53s NA  
## rastr18h50m37.77s NA  
## rastr18h50m47.87s NA  
## rastr18h50m47.97s NA  
## rastr18h50m53.79s NA  
## rastr18h51m08.84s NA  
## rastr18h51m10.86s NA  
## rastr18h51m26.37s NA  
## rastr18h51m27.15s NA  
## rastr18h51m42.00s NA  
## rastr18h51m46.93s NA  
## rastr18h51m49.66s NA  
## rastr18h51m51.89s NA  
## rastr18h51m53.64s NA  
## rastr18h51m54.97s NA  
## rastr18h51m56.07s NA  
## rastr18h51m59.41s NA  
## rastr18h51m59.94s NA  
## rastr18h52m00.70s NA  
## rastr18h52m05.48s NA  
## rastr18h52m09.56s NA  
## rastr18h52m16.48s NA  
## rastr18h52m24.92s NA  
## rastr18h52m27.30s NA  
## rastr18h52m29.02s NA  
## rastr18h52m31.11s NA  
## rastr18h52m31.66s NA  
## rastr18h52m32.51s NA  
## rastr18h52m36.25s NA  
## rastr18h52m38.85s NA  
## rastr18h52m44.31s NA  
## rastr18h52m46.10s NA  
## rastr18h52m49.68s NA  
## rastr18h52m50.20s NA  
## rastr18h52m50.78s NA  
## rastr18h52m53.12s NA  
## rastr18h53m00.85s NA  
## rastr18h53m01.32s NA  
## rastr18h53m01.63s NA  
## rastr18h53m01.82s NA  
## rastr18h53m03.48s NA  
## rastr18h53m05.90s NA  
## rastr18h53m10.09s NA  
## rastr18h53m13.31s NA  
## rastr18h53m15.93s NA  
## rastr18h53m20.64s NA  
## rastr18h53m21.67s NA  
## rastr18h53m22.69s NA  
## rastr18h53m22.95s NA  
## rastr18h53m28.42s NA  
## rastr18h53m29.97s NA  
## rastr18h53m43.00s NA  
## rastr18h53m44.58s NA  
## rastr18h53m48.77s NA  
## rastr18h53m52.63s NA  
## rastr18h53m54.76s NA  
## rastr18h53m59.94s NA  
## rastr18h54m01.16s NA  
## rastr18h54m01.73s NA  
## rastr18h54m07.91s NA  
## rastr18h54m10.61s NA  
## rastr18h54m15.69s NA  
## rastr18h54m17.81s NA  
## rastr18h54m21.01s NA  
## rastr18h54m23.22s NA  
## rastr18h54m25.27s NA  
## rastr18h54m30.78s NA  
## rastr18h54m31.39s NA  
## rastr18h54m50.58s NA  
## rastr18h54m52.22s NA  
## rastr18h54m55.61s NA  
## rastr18h54m57.77s NA  
## rastr18h54m57.94s NA  
## rastr18h54m58.98s NA  
## rastr18h55m01.15s NA  
## rastr18h55m03.37s NA  
## rastr18h55m04.93s NA  
## rastr18h55m08.90s NA  
## rastr18h55m11.47s NA  
## rastr18h55m14.29s NA  
## rastr18h55m19.93s NA  
## rastr18h55m22.82s NA  
## rastr18h55m27.45s NA  
## rastr18h55m27.83s NA  
## rastr18h55m27.94s NA  
## rastr18h55m32.45s NA  
## rastr18h55m35.86s NA  
## rastr18h55m35.91s NA  
## rastr18h55m40.81s NA  
## rastr18h55m40.88s NA  
## rastr18h55m44.83s NA  
## rastr18h55m46.18s NA  
## rastr18h55m54.60s NA  
## rastr18h55m55.90s NA  
## rastr18h55m56.72s NA  
## rastr18h55m58.82s NA  
## rastr18h56m07.77s NA  
## rastr18h56m10.14s NA  
## rastr18h56m13.60s NA  
## rastr18h56m14.22s NA  
## rastr18h56m14.67s NA  
## rastr18h56m22.70s NA  
## rastr18h56m23.38s NA  
## rastr18h56m25.88s NA  
## rastr18h56m31.91s NA  
## rastr18h56m43.98s NA  
## rastr18h56m50.32s NA  
## rastr18h56m52.67s NA  
## rastr18h56m53.60s NA  
## rastr18h57m00.33s NA  
## rastr18h57m01.74s NA  
## rastr18h57m05.74s NA  
## rastr18h57m08.92s NA  
## rastr18h57m11.05s NA  
## rastr18h57m11.26s NA  
## rastr18h57m18.84s NA  
## rastr18h57m22.25s NA  
## rastr18h57m24.25s NA  
## rastr18h57m32.68s NA  
## rastr18h57m34.63s NA  
## rastr18h57m35.94s NA  
## rastr18h57m38.39s NA  
## rastr18h57m39.76s NA  
## rastr18h57m41.46s NA  
## rastr18h57m43.30s NA  
## rastr18h57m43.32s NA  
## rastr18h57m44.03s NA  
## rastr18h57m46.54s NA  
## rastr18h57m50.27s NA  
## rastr18h57m53.34s NA  
## rastr18h57m54.40s NA  
## rastr18h57m54.83s NA  
## rastr18h57m55.78s NA  
## rastr18h57m57.68s NA  
## rastr18h57m59.93s NA  
## rastr18h58m02.45s NA  
## rastr18h58m05.09s NA  
## rastr18h58m07.70s NA  
## rastr18h58m13.39s NA  
## rastr18h58m15.77s NA  
## rastr18h58m16.07s NA  
## rastr18h58m19.82s NA  
## rastr18h58m20.60s NA  
## rastr18h58m22.48s NA  
## rastr18h58m25.49s NA  
## rastr18h58m27.77s NA  
## rastr18h58m27.89s NA  
## rastr18h58m32.45s NA  
## rastr18h58m37.91s NA  
## rastr18h58m42.09s NA  
## rastr18h58m42.54s NA  
## rastr18h58m45.32s NA  
## rastr18h58m49.65s NA  
## rastr18h58m55.59s NA  
## rastr18h58m57.39s NA  
## rastr18h58m59.49s NA  
## rastr18h59m01.16s NA  
## rastr18h59m06.74s NA  
## rastr18h59m09.19s NA  
## rastr18h59m18.73s NA  
## rastr18h59m21.23s NA  
## rastr18h59m23.17s NA  
## rastr18h59m26.43s NA  
## rastr18h59m29.13s NA  
## rastr18h59m36.74s NA  
## rastr18h59m37.37s NA  
## rastr18h59m38.53s NA  
## rastr18h59m40.66s NA  
## rastr18h59m41.27s NA  
## rastr18h59m42.86s NA  
## rastr18h59m45.86s NA  
## rastr18h59m51.13s NA  
## rastr18h59m52.44s NA  
## rastr18h59m53.40s NA  
## rastr18h59m54.73s NA  
## rastr18h59m56.49s NA  
## rastr18h59m59.69s NA  
## rastr18h59m59.92s NA  
## rastr19h00m00.81s NA  
## rastr19h00m03.15s NA  
## rastr19h00m04.12s NA  
## rastr19h00m08.65s NA  
## rastr19h00m09.99s NA  
## rastr19h00m13.70s NA  
## rastr19h00m15.57s NA  
## rastr19h00m20.77s NA  
## rastr19h00m23.16s NA  
## rastr19h00m25.01s NA  
## rastr19h00m26.52s NA  
## rastr19h00m28.73s NA  
## rastr19h00m29.28s NA  
## rastr19h00m34.25s NA  
## rastr19h00m35.19s NA  
## rastr19h00m37.63s NA  
## rastr19h00m40.10s NA  
## rastr19h00m40.40s NA  
## rastr19h00m41.60s NA  
## rastr19h00m42.28s NA  
## rastr19h00m43.89s NA  
## rastr19h00m44.74s NA  
## rastr19h00m45.59s NA  
## rastr19h00m49.78s NA  
## rastr19h00m52.00s NA  
## rastr19h00m52.74s NA  
## rastr19h00m53.07s NA  
## rastr19h00m55.79s NA  
## rastr19h00m57.80s NA  
## rastr19h00m59.22s NA  
## rastr19h01m00.90s NA  
## rastr19h01m04.45s NA  
## rastr19h01m06.33s NA  
## rastr19h01m08.08s NA  
## rastr19h01m08.81s NA  
## rastr19h01m10.06s NA  
## rastr19h01m10.96s NA  
## rastr19h01m11.10s NA  
## rastr19h01m14.68s NA  
## rastr19h01m15.32s NA  
## rastr19h01m19.36s NA  
## rastr19h01m19.56s NA  
## rastr19h01m23.00s NA  
## rastr19h01m23.27s NA  
## rastr19h01m23.32s NA  
## rastr19h01m23.77s NA  
## rastr19h01m24.02s NA  
## rastr19h01m27.90s NA  
## rastr19h01m27.98s NA  
## rastr19h01m29.25s NA  
## rastr19h01m32.97s NA  
## rastr19h01m33.91s NA  
## rastr19h01m37.19s NA  
## rastr19h01m38.56s NA  
## rastr19h01m40.70s NA  
## rastr19h01m41.80s NA  
## rastr19h01m44.51s NA  
## rastr19h01m45.39s NA  
## rastr19h01m54.01s NA  
## rastr19h01m54.36s NA  
## rastr19h01m56.41s NA  
## rastr19h01m59.83s NA  
## rastr19h02m03.11s NA  
## rastr19h02m04.05s NA  
## rastr19h02m13.15s NA  
## rastr19h02m13.80s NA  
## rastr19h02m13.87s NA  
## rastr19h02m17.76s NA  
## rastr19h02m17.83s NA  
## rastr19h02m24.62s NA  
## rastr19h02m27.71s NA  
## rastr19h02m28.17s NA  
## rastr19h02m30.84s NA  
## rastr19h02m37.40s NA  
## rastr19h02m38.81s NA  
## rastr19h02m39.04s NA  
## rastr19h02m40.12s NA  
## rastr19h02m41.50s NA  
## rastr19h02m41.70s NA  
## rastr19h02m43.03s NA  
## rastr19h02m45.58s NA  
## rastr19h02m46.07s NA  
## rastr19h02m48.86s NA  
## rastr19h02m50.88s NA  
## rastr19h02m51.24s NA  
## rastr19h02m52.19s NA  
## rastr19h02m52.46s NA  
## rastr19h02m52.98s NA  
## rastr19h02m53.46s NA  
## rastr19h02m54.83s NA  
## rastr19h02m57.53s NA  
## rastr19h03m00.37s NA  
## rastr19h03m00.49s NA  
## rastr19h03m05.74s NA  
## rastr19h03m09.78s NA  
## rastr19h03m11.34s NA  
## rastr19h03m11.88s NA  
## rastr19h03m12.77s NA  
## rastr19h03m17.37s NA  
## rastr19h03m19.32s NA  
## rastr19h03m24.89s NA  
## rastr19h03m28.64s NA  
## rastr19h03m33.22s NA  
## rastr19h03m35.84s NA  
## rastr19h03m38.78s NA  
## rastr19h03m42.90s NA  
## rastr19h03m43.38s NA  
## rastr19h03m52.30s NA  
## rastr19h03m52.49s NA  
## rastr19h03m59.98s NA  
## rastr19h04m00.72s NA  
## rastr19h04m01.18s NA  
## rastr19h04m01.62s NA  
## rastr19h04m03.79s NA  
## rastr19h04m05.77s NA  
## rastr19h04m06.05s NA  
## rastr19h04m06.27s NA  
## rastr19h04m09.81s NA  
## rastr19h04m11.31s NA  
## rastr19h04m12.59s NA  
## rastr19h04m18.04s NA  
## rastr19h04m18.98s NA  
## rastr19h04m26.47s NA  
## rastr19h04m27.70s NA  
## rastr19h04m28.46s NA  
## rastr19h04m30.12s NA  
## rastr19h04m31.37s NA  
## rastr19h04m36.03s NA  
## rastr19h04m38.91s NA  
## rastr19h04m40.93s NA  
## rastr19h04m53.01s NA  
## rastr19h04m53.57s NA  
## rastr19h04m53.91s NA  
## rastr19h04m58.43s NA  
## rastr19h04m59.32s NA  
## rastr19h04m59.96s NA  
## rastr19h05m00.38s NA  
## rastr19h05m01.06s NA  
## rastr19h05m05.20s NA  
## rastr19h05m05.21s NA  
## rastr19h05m05.74s NA  
## rastr19h05m08.33s NA  
## rastr19h05m08.62s NA  
## rastr19h05m19.22s NA  
## rastr19h05m20.73s NA  
## rastr19h05m21.25s NA  
## rastr19h05m22.63s NA  
## rastr19h05m25.93s NA  
## rastr19h05m26.21s NA  
## rastr19h05m26.41s NA  
## rastr19h05m26.77s NA  
## rastr19h05m28.02s NA  
## rastr19h05m28.20s NA  
## rastr19h05m29.24s NA  
## rastr19h05m30.24s NA  
## rastr19h05m30.79s NA  
## rastr19h05m32.86s NA  
## rastr19h05m35.66s NA  
## rastr19h05m36.56s NA  
## rastr19h05m38.41s NA  
## rastr19h05m44.09s NA  
## rastr19h05m48.67s NA  
## rastr19h05m53.15s NA  
## rastr19h05m55.74s NA  
## rastr19h05m56.07s NA  
## rastr19h05m57.71s NA  
## rastr19h06m05.92s NA  
## rastr19h06m06.84s NA  
## rastr19h06m09.61s NA  
## rastr19h06m10.48s NA  
## rastr19h06m12.25s NA  
## rastr19h06m13.92s NA  
## rastr19h06m15.77s NA  
## rastr19h06m17.94s NA  
## rastr19h06m18.24s NA  
## rastr19h06m19.35s NA  
## rastr19h06m19.97s NA  
## rastr19h06m20.50s NA  
## rastr19h06m22.62s NA  
## rastr19h06m25.00s NA  
## rastr19h06m26.13s NA  
## rastr19h06m27.28s NA  
## rastr19h06m30.18s NA  
## rastr19h06m31.22s NA  
## rastr19h06m33.21s NA  
## rastr19h06m35.14s NA  
## rastr19h06m39.07s NA  
## rastr19h06m41.16s NA  
## rastr19h06m44.51s NA  
## rastr19h06m45.50s NA  
## rastr19h06m46.84s NA  
## rastr19h06m50.57s NA  
## rastr19h06m51.76s NA  
## rastr19h06m52.01s NA  
## rastr19h06m52.22s NA  
## rastr19h06m57.12s NA  
## rastr19h06m58.04s NA  
## rastr19h06m59.65s NA  
## rastr19h07m00.66s NA  
## rastr19h07m14.05s NA  
## rastr19h07m16.66s NA  
## rastr19h07m24.65s NA  
## rastr19h07m27.69s NA  
## rastr19h07m32.94s NA  
## rastr19h07m34.08s NA  
## rastr19h07m40.12s NA  
## rastr19h07m41.80s NA  
## rastr19h07m46.88s NA  
## rastr19h07m47.94s NA  
## rastr19h07m50.02s NA  
## rastr19h07m51.33s NA  
## rastr19h07m52.03s NA  
## rastr19h07m53.09s NA  
## rastr19h07m53.13s NA  
## rastr19h07m59.87s NA  
## rastr19h08m02.19s NA  
## rastr19h08m09.48s NA  
## rastr19h08m12.41s NA  
## rastr19h08m13.07s NA  
## rastr19h08m13.70s NA  
## rastr19h08m15.94s NA  
## rastr19h08m20.71s NA  
## rastr19h08m20.99s NA  
## rastr19h08m21.60s NA  
## rastr19h08m22.56s NA  
## rastr19h08m24.25s NA  
## rastr19h08m31.26s NA  
## rastr19h08m31.34s NA  
## rastr19h08m32.39s NA  
## rastr19h08m33.75s NA  
## rastr19h08m34.28s NA  
## rastr19h08m37.01s NA  
## rastr19h08m49.39s NA  
## rastr19h08m52.49s NA  
## rastr19h08m56.56s NA  
## rastr19h08m57.88s NA  
## rastr19h08m58.23s NA  
## rastr19h09m01.60s NA  
## rastr19h09m03.17s NA  
## rastr19h09m05.43s NA  
## rastr19h09m08.46s NA  
## rastr19h09m10.19s NA  
## rastr19h09m10.90s NA  
## rastr19h09m11.47s NA  
## rastr19h09m12.67s NA  
## rastr19h09m13.90s NA  
## rastr19h09m18.37s NA  
## rastr19h09m19.85s NA  
## rastr19h09m22.96s NA  
## rastr19h09m23.27s NA  
## rastr19h09m26.71s NA  
## rastr19h09m26.87s NA  
## rastr19h09m27.10s NA  
## rastr19h09m27.38s NA  
## rastr19h09m28.66s NA  
## rastr19h09m29.12s NA  
## rastr19h09m31.71s NA  
## rastr19h09m33.91s NA  
## rastr19h09m34.09s NA  
## rastr19h09m36.72s NA  
## rastr19h09m37.26s NA  
## rastr19h09m38.40s NA  
## rastr19h09m45.35s NA  
## rastr19h09m46.59s NA  
## rastr19h09m48.66s NA  
## rastr19h09m51.85s NA  
## rastr19h09m53.08s NA  
## rastr19h09m54.60s NA  
## rastr19h09m54.63s NA  
## rastr19h09m54.88s NA  
## rastr19h09m56.26s NA  
## rastr19h10m00.27s NA  
## rastr19h10m05.29s NA  
## rastr19h10m06.36s NA  
## rastr19h10m07.11s NA  
## rastr19h10m08.39s NA  
## rastr19h10m08.59s NA  
## rastr19h10m15.51s NA  
## rastr19h10m16.72s NA  
## rastr19h10m17.08s NA  
## rastr19h10m20.38s NA  
## rastr19h10m21.66s NA  
## rastr19h10m22.37s NA  
## rastr19h10m25.12s NA  
## rastr19h10m25.37s NA  
## rastr19h10m25.96s NA  
## rastr19h10m29.00s NA  
## rastr19h10m32.51s NA  
## rastr19h10m36.86s NA  
## rastr19h10m37.20s NA  
## rastr19h10m37.74s NA  
## rastr19h10m39.20s NA  
## rastr19h10m47.52s NA  
## rastr19h10m49.66s NA  
## rastr19h10m57.02s NA  
## rastr19h11m03.04s NA  
## rastr19h11m03.51s NA  
## rastr19h11m05.66s NA  
## rastr19h11m07.39s NA  
## rastr19h11m09.69s NA  
## rastr19h11m10.52s NA  
## rastr19h11m11.58s NA  
## rastr19h11m13.33s NA  
## rastr19h11m13.73s NA  
## rastr19h11m18.35s NA  
## rastr19h11m21.22s NA  
## rastr19h11m25.68s NA  
## rastr19h11m25.88s NA  
## rastr19h11m25.91s NA  
## rastr19h11m28.18s NA  
## rastr19h11m31.05s NA  
## rastr19h11m32.94s NA  
## rastr19h11m33.98s NA  
## rastr19h11m35.31s NA  
## rastr19h11m37.46s NA  
## rastr19h11m39.91s NA  
## rastr19h11m40.31s NA  
## rastr19h11m44.92s NA  
## rastr19h11m46.94s NA  
## rastr19h11m49.58s NA  
## rastr19h11m52.34s NA  
## rastr19h11m54.11s NA  
## rastr19h11m54.17s NA  
## rastr19h11m59.49s NA  
## rastr19h12m01.94s NA  
## rastr19h12m02.86s NA  
## rastr19h12m07.13s NA  
## rastr19h12m14.21s NA  
## rastr19h12m18.34s NA  
## rastr19h12m22.94s NA  
## rastr19h12m27.85s NA  
## rastr19h12m29.02s NA  
## rastr19h12m32.08s NA  
## rastr19h12m33.19s NA  
## rastr19h12m34.74s NA  
## rastr19h12m36.95s NA  
## rastr19h12m37.60s NA  
## rastr19h12m38.99s NA  
## rastr19h12m39.35s NA  
## rastr19h12m39.52s NA  
## rastr19h12m49.82s NA  
## rastr19h12m50.87s NA  
## rastr19h12m55.35s NA  
## rastr19h12m55.62s NA  
## rastr19h12m55.85s NA  
## rastr19h12m56.18s NA  
## rastr19h12m56.80s NA  
## rastr19h12m58.50s NA  
## rastr19h13m00.15s NA  
## rastr19h13m01.10s NA  
## rastr19h13m07.34s NA  
## rastr19h13m12.51s NA  
## rastr19h13m14.09s NA  
## rastr19h13m16.90s NA  
## rastr19h13m18.69s NA  
## rastr19h13m28.85s NA  
## rastr19h13m29.40s NA  
## rastr19h13m34.87s NA  
## rastr19h13m35.27s NA  
## rastr19h13m36.20s NA  
## rastr19h13m39.96s NA  
## rastr19h13m40.00s NA  
## rastr19h13m40.24s NA  
## rastr19h13m41.09s NA  
## rastr19h13m44.06s NA  
## rastr19h13m44.57s NA  
## rastr19h13m47.38s NA  
## rastr19h13m48.14s NA  
## rastr19h13m49.47s NA  
## rastr19h13m51.76s NA  
## rastr19h13m52.59s NA  
## rastr19h13m53.16s NA  
## rastr19h13m53.98s NA  
## rastr19h13m55.11s NA  
## rastr19h13m58.99s NA  
## rastr19h14m02.40s NA  
## rastr19h14m02.56s NA  
## rastr19h14m03.64s NA  
## rastr19h14m07.41s NA  
## rastr19h14m09.25s NA  
## rastr19h14m09.29s NA  
## rastr19h14m11.85s NA  
## rastr19h14m14.79s NA  
## rastr19h14m17.66s NA  
## rastr19h14m17.86s NA  
## rastr19h14m19.56s NA  
## rastr19h14m20.15s NA  
## rastr19h14m21.19s NA  
## rastr19h14m23.30s NA  
## rastr19h14m26.52s NA  
## rastr19h14m28.29s NA  
## rastr19h14m34.21s NA  
## rastr19h14m35.10s NA  
## rastr19h14m38.60s NA  
## rastr19h14m38.78s NA  
## rastr19h14m39.48s NA  
## rastr19h14m40.55s NA  
## rastr19h14m40.96s NA  
## rastr19h14m41.28s NA  
## rastr19h14m45.29s NA  
## rastr19h14m46.79s NA  
## rastr19h14m47.68s NA  
## rastr19h14m50.27s NA  
## rastr19h14m56.17s NA  
## rastr19h14m57.35s NA  
## rastr19h15m00.00s NA  
## rastr19h15m00.17s NA  
## rastr19h15m01.18s NA  
## rastr19h15m01.20s NA  
## rastr19h15m04.08s NA  
## rastr19h15m05.04s NA  
## rastr19h15m05.24s NA  
## rastr19h15m10.34s NA  
## rastr19h15m14.82s NA  
## rastr19h15m14.87s NA  
## rastr19h15m16.95s NA  
## rastr19h15m17.50s NA  
## rastr19h15m19.54s NA  
## rastr19h15m20.15s NA  
## rastr19h15m21.43s NA  
## rastr19h15m23.73s NA  
## rastr19h15m25.27s NA  
## rastr19h15m28.38s NA  
## rastr19h15m29.86s NA  
## rastr19h15m32.03s NA  
## rastr19h15m32.78s NA  
## rastr19h15m33.36s NA  
## rastr19h15m39.94s NA  
## rastr19h15m41.21s NA  
## rastr19h15m41.78s NA  
## rastr19h15m49.33s NA  
## rastr19h15m50.70s NA  
## rastr19h15m53.19s NA  
## rastr19h15m56.29s NA  
## rastr19h15m58.21s NA  
## rastr19h15m58.60s NA  
## rastr19h16m00.23s NA  
## rastr19h16m04.83s NA  
## rastr19h16m07.13s NA  
## rastr19h16m07.93s NA  
## rastr19h16m10.14s NA  
## rastr19h16m15.43s NA  
## rastr19h16m15.55s NA  
## rastr19h16m16.01s NA  
## rastr19h16m17.30s NA  
## rastr19h16m17.75s NA  
## rastr19h16m18.20s NA  
## rastr19h16m18.61s NA  
## rastr19h16m20.07s NA  
## rastr19h16m20.65s NA  
## rastr19h16m23.24s NA  
## rastr19h16m25.00s NA  
## rastr19h16m26.93s NA  
## rastr19h16m32.31s NA  
## rastr19h16m34.24s NA  
## rastr19h16m35.32s NA  
## rastr19h16m35.65s NA  
## rastr19h16m43.84s NA  
## rastr19h16m44.80s NA  
## rastr19h16m46.22s NA  
## rastr19h16m46.90s NA  
## rastr19h16m47.90s NA  
## rastr19h16m48.58s NA  
## rastr19h16m52.13s NA  
## rastr19h16m52.85s NA  
## rastr19h16m54.31s NA  
## rastr19h16m54.66s NA  
## rastr19h16m56.01s NA  
## rastr19h16m59.74s NA  
## rastr19h17m04.50s NA  
## rastr19h17m05.88s NA  
## rastr19h17m09.56s NA  
## rastr19h17m09.77s NA  
## rastr19h17m11.09s NA  
## rastr19h17m11.38s NA  
## rastr19h17m14.77s NA  
## rastr19h17m15.44s NA  
## rastr19h17m15.71s NA  
## rastr19h17m21.95s NA  
## rastr19h17m23.37s NA  
## rastr19h17m24.49s NA  
## rastr19h17m26.08s NA  
## rastr19h17m27.46s NA  
## rastr19h17m30.37s NA  
## rastr19h17m30.48s NA  
## rastr19h17m32.04s NA  
## rastr19h17m33.12s NA  
## rastr19h17m34.69s NA  
## rastr19h17m35.94s NA  
## rastr19h17m36.18s NA  
## rastr19h17m37.61s NA  
## rastr19h17m38.65s NA  
## rastr19h17m40.30s NA  
## rastr19h17m41.77s NA  
## rastr19h17m41.90s NA  
## rastr19h17m43.62s NA  
## rastr19h17m44.32s NA  
## rastr19h17m45.15s NA  
## rastr19h17m45.36s NA  
## rastr19h17m45.97s NA  
## rastr19h17m46.74s NA  
## rastr19h17m55.01s NA  
## rastr19h17m56.60s NA  
## rastr19h18m00.16s NA  
## rastr19h18m01.53s NA  
## rastr19h18m02.05s NA  
## rastr19h18m05.09s NA  
## rastr19h18m09.32s NA  
## rastr19h18m11.62s NA  
## rastr19h18m12.72s NA  
## rastr19h18m12.78s NA  
## rastr19h18m16.45s NA  
## rastr19h18m22.34s NA  
## rastr19h18m22.74s NA  
## rastr19h18m24.92s NA  
## rastr19h18m25.91s NA  
## rastr19h18m30.05s NA  
## rastr19h18m34.42s NA  
## rastr19h18m36.30s NA  
## rastr19h18m39.45s NA  
## rastr19h18m39.58s NA  
## rastr19h18m42.86s NA  
## rastr19h18m43.04s NA  
## rastr19h18m44.82s NA  
## rastr19h18m47.41s NA  
## rastr19h18m50.88s NA  
## rastr19h18m55.61s NA  
## rastr19h18m58.28s NA  
## rastr19h18m59.36s NA  
## rastr19h19m00.68s NA  
## rastr19h19m05.58s NA  
## rastr19h19m06.41s NA  
## rastr19h19m07.33s NA  
## rastr19h19m08.68s NA  
## rastr19h19m10.02s NA  
## rastr19h19m16.66s NA  
## rastr19h19m17.75s NA  
## rastr19h19m18.90s NA  
## rastr19h19m19.23s NA  
## rastr19h19m19.50s NA  
## rastr19h19m20.50s NA  
## rastr19h19m22.30s NA  
## rastr19h19m22.38s NA  
## rastr19h19m26.14s NA  
## rastr19h19m26.18s NA  
## rastr19h19m26.77s NA  
## rastr19h19m28.71s NA  
## rastr19h19m28.98s NA  
## rastr19h19m30.00s NA  
## rastr19h19m31.34s NA  
## rastr19h19m32.26s NA  
## rastr19h19m40.46s NA  
## rastr19h19m40.96s NA  
## rastr19h19m41.14s NA  
## rastr19h19m43.41s NA  
## rastr19h19m49.55s NA  
## rastr19h19m55.04s NA  
## rastr19h19m59.97s NA  
## rastr19h20m00.10s NA  
## rastr19h20m01.82s NA  
## rastr19h20m06.21s NA  
## rastr19h20m07.32s NA  
## rastr19h20m10.39s NA  
## rastr19h20m10.52s NA  
## rastr19h20m12.28s NA  
## rastr19h20m14.52s NA  
## rastr19h20m16.32s NA  
## rastr19h20m19.86s NA  
## rastr19h20m20.34s NA  
## rastr19h20m21.79s NA  
## rastr19h20m23.53s NA  
## rastr19h20m24.48s NA  
## rastr19h20m25.57s NA  
## rastr19h20m25.73s NA  
## rastr19h20m28.70s NA  
## rastr19h20m29.33s NA  
## rastr19h20m31.54s NA  
## rastr19h20m34.64s NA  
## rastr19h20m35.17s NA  
## rastr19h20m35.97s NA  
## rastr19h20m37.53s NA  
## rastr19h20m39.68s NA  
## rastr19h20m41.75s NA  
## rastr19h20m42.28s NA  
## rastr19h20m48.37s NA  
## rastr19h20m51.64s NA  
## rastr19h20m52.01s NA  
## rastr19h20m56.61s NA  
## rastr19h20m57.03s NA  
## rastr19h20m59.29s NA  
## rastr19h20m59.54s NA  
## rastr19h21m03.19s NA  
## rastr19h21m03.64s NA  
## rastr19h21m04.18s NA  
## rastr19h21m04.93s NA  
## rastr19h21m07.12s NA  
## rastr19h21m09.23s NA  
## rastr19h21m10.70s NA  
## rastr19h21m11.14s NA  
## rastr19h21m17.45s NA  
## rastr19h21m18.35s NA  
## rastr19h21m18.54s NA  
## rastr19h21m18.87s NA  
## rastr19h21m20.07s NA  
## rastr19h21m23.64s NA  
## rastr19h21m25.91s NA  
## rastr19h21m25.96s NA  
## rastr19h21m30.32s NA  
## rastr19h21m31.54s NA  
## rastr19h21m34.24s NA  
## rastr19h21m34.36s NA  
## rastr19h21m35.10s NA  
## rastr19h21m36.36s NA  
## rastr19h21m38.90s NA  
## rastr19h21m39.18s NA  
## rastr19h21m41.03s NA  
## rastr19h21m44.20s NA  
## rastr19h21m45.03s NA  
## rastr19h21m45.75s NA  
## rastr19h21m47.83s NA  
## rastr19h21m50.83s NA  
## rastr19h21m51.62s NA  
## rastr19h21m53.15s NA  
## rastr19h21m53.88s NA  
## rastr19h21m54.58s NA  
## rastr19h21m55.18s NA  
## rastr19h21m56.83s NA  
## rastr19h21m58.36s NA  
## rastr19h21m58.82s NA  
## rastr19h21m59.98s NA  
## rastr19h22m00.86s NA  
## rastr19h22m02.47s NA  
## rastr19h22m02.51s NA  
## rastr19h22m03.95s NA  
## rastr19h22m07.08s NA  
## rastr19h22m10.48s NA  
## rastr19h22m11.64s NA  
## rastr19h22m12.47s NA  
## rastr19h22m12.57s NA  
## rastr19h22m14.27s NA  
## rastr19h22m15.92s NA  
## rastr19h22m18.41s NA  
## rastr19h22m19.62s NA  
## rastr19h22m20.67s NA  
## rastr19h22m20.83s NA  
## rastr19h22m21.69s NA  
## rastr19h22m22.11s NA  
## rastr19h22m24.27s NA  
## rastr19h22m25.91s NA  
## rastr19h22m28.29s NA  
## rastr19h22m29.25s NA  
## rastr19h22m30.00s NA  
## rastr19h22m31.99s NA  
## rastr19h22m32.76s NA  
## rastr19h22m38.01s NA  
## rastr19h22m39.38s NA  
## rastr19h22m40.44s NA  
## rastr19h22m41.55s NA  
## rastr19h22m42.28s NA  
## rastr19h22m43.73s NA  
## rastr19h22m44.45s NA  
## rastr19h22m46.51s NA  
## rastr19h22m49.98s NA  
## rastr19h22m53.09s NA  
## rastr19h22m54.89s NA  
## rastr19h22m55.20s NA  
## rastr19h22m56.44s NA  
## rastr19h22m58.63s NA  
## rastr19h22m59.45s NA  
## rastr19h23m03.83s NA  
## rastr19h23m08.58s NA  
## rastr19h23m14.44s NA  
## rastr19h23m17.81s NA  
## rastr19h23m18.20s NA  
## rastr19h23m19.98s NA  
## rastr19h23m23.78s NA  
## rastr19h23m24.43s NA  
## rastr19h23m24.99s NA  
## rastr19h23m28.23s NA  
## rastr19h23m28.92s NA  
## rastr19h23m29.14s NA  
## rastr19h23m29.35s NA  
## rastr19h23m32.31s NA  
## rastr19h23m33.19s NA  
## rastr19h23m33.46s NA  
## rastr19h23m39.47s NA  
## rastr19h23m40.64s NA  
## rastr19h23m42.54s NA  
## rastr19h23m42.58s NA  
## rastr19h23m44.22s NA  
## rastr19h23m46.67s NA  
## rastr19h23m47.98s NA  
## rastr19h23m48.87s NA  
## rastr19h23m49.55s NA  
## rastr19h23m49.83s NA  
## rastr19h23m49.90s NA  
## rastr19h23m51.89s NA  
## rastr19h23m53.63s NA  
## rastr19h23m53.74s NA  
## rastr19h23m55.02s NA  
## rastr19h23m56.01s NA  
## rastr19h23m57.42s NA  
## rastr19h23m58.00s NA  
## rastr19h23m58.85s NA  
## rastr19h23m58.89s NA  
## rastr19h24m04.56s NA  
## rastr19h24m04.84s NA  
## rastr19h24m04.96s NA  
## rastr19h24m05.25s NA  
## rastr19h24m06.87s NA  
## rastr19h24m07.65s NA  
## rastr19h24m07.75s NA  
## rastr19h24m08.07s NA  
## rastr19h24m11.98s NA  
## rastr19h24m13.71s NA  
## rastr19h24m14.89s NA  
## rastr19h24m15.09s NA  
## rastr19h24m15.28s NA  
## rastr19h24m17.92s NA  
## rastr19h24m19.23s NA  
## rastr19h24m20.10s NA  
## rastr19h24m22.17s NA  
## rastr19h24m22.24s NA  
## rastr19h24m23.33s NA  
## rastr19h24m26.85s NA  
## rastr19h24m33.03s NA  
## rastr19h24m33.23s NA  
## rastr19h24m34.84s NA  
## rastr19h24m35.54s NA  
## rastr19h24m35.89s NA  
## rastr19h24m36.67s NA  
## rastr19h24m38.10s NA  
## rastr19h24m38.25s NA  
## rastr19h24m38.97s NA  
## rastr19h24m39.45s NA  
## rastr19h24m40.67s NA  
## rastr19h24m41.59s NA  
## rastr19h24m44.00s NA  
## rastr19h24m44.39s NA  
## rastr19h24m46.82s NA  
## rastr19h24m47.35s NA  
## rastr19h24m47.71s NA  
## rastr19h24m48.30s NA  
## rastr19h24m49.01s NA  
## rastr19h24m53.08s NA  
## rastr19h24m53.85s NA  
## rastr19h24m54.02s NA  
## rastr19h24m58.31s NA  
## rastr19h24m58.83s NA  
## rastr19h25m00.04s NA  
## rastr19h25m00.07s NA  
## rastr19h25m01.06s NA  
## rastr19h25m01.35s NA  
## rastr19h25m01.49s NA  
## rastr19h25m04.34s NA  
## rastr19h25m04.74s NA  
## rastr19h25m06.95s NA  
## rastr19h25m07.69s NA  
## rastr19h25m08.97s NA  
## rastr19h25m12.51s NA  
## rastr19h25m22.23s NA  
## rastr19h25m23.99s NA  
## rastr19h25m25.11s NA  
## rastr19h25m27.54s NA  
## rastr19h25m31.75s NA  
## rastr19h25m32.67s NA  
## rastr19h25m33.06s NA  
## rastr19h25m33.73s NA  
## rastr19h25m33.80s NA  
## rastr19h25m35.48s NA  
## rastr19h25m35.85s NA  
## rastr19h25m37.33s NA  
## rastr19h25m37.90s NA  
## rastr19h25m38.27s NA  
## rastr19h25m40.35s NA  
## rastr19h25m40.47s NA  
## rastr19h25m41.66s NA  
## rastr19h25m43.54s NA  
## rastr19h25m43.99s NA  
## rastr19h25m45.59s NA  
## rastr19h25m52.19s NA  
## rastr19h25m52.52s NA  
## rastr19h25m53.82s NA  
## rastr19h25m54.89s NA  
## rastr19h25m58.70s NA  
## rastr19h25m59.87s NA  
## rastr19h26m01.45s NA  
## rastr19h26m01.93s NA  
## rastr19h26m03.89s NA  
## rastr19h26m08.26s NA  
## rastr19h26m11.54s NA  
## rastr19h26m11.86s NA  
## rastr19h26m13.07s NA  
## rastr19h26m13.67s NA  
## rastr19h26m17.80s NA  
## rastr19h26m18.92s NA  
## rastr19h26m19.00s NA  
## rastr19h26m20.46s NA  
## rastr19h26m21.26s NA  
## rastr19h26m22.60s NA  
## rastr19h26m22.89s NA  
## rastr19h26m25.08s NA  
## rastr19h26m25.61s NA  
## rastr19h26m25.71s NA  
## rastr19h26m26.85s NA  
## rastr19h26m29.37s NA  
## rastr19h26m30.91s NA  
## rastr19h26m32.32s NA  
## rastr19h26m33.36s NA  
## rastr19h26m33.82s NA  
## rastr19h26m35.10s NA  
## rastr19h26m35.23s NA  
## rastr19h26m36.76s NA  
## rastr19h26m36.85s NA  
## rastr19h26m37.87s NA  
## rastr19h26m38.27s NA  
## rastr19h26m40.64s NA  
## rastr19h26m42.14s NA  
## rastr19h26m42.45s NA  
## rastr19h26m43.99s NA  
## rastr19h26m46.19s NA  
## rastr19h26m47.88s NA  
## rastr19h26m50.76s NA  
## rastr19h26m52.15s NA  
## rastr19h26m53.28s NA  
## rastr19h26m54.29s NA  
## rastr19h26m57.98s NA  
## rastr19h26m59.62s NA  
## rastr19h27m05.18s NA  
## rastr19h27m06.49s NA  
## rastr19h27m13.94s NA  
## rastr19h27m15.12s NA  
## rastr19h27m17.65s NA  
## rastr19h27m20.24s NA  
## rastr19h27m21.92s NA  
## rastr19h27m22.06s NA  
## rastr19h27m23.48s NA  
## rastr19h27m23.56s NA  
## rastr19h27m27.12s NA  
## rastr19h27m27.58s NA  
## rastr19h27m29.12s NA  
## rastr19h27m31.20s NA  
## rastr19h27m31.50s NA  
## rastr19h27m32.72s NA  
## rastr19h27m36.78s NA  
## rastr19h27m37.68s NA  
## rastr19h27m39.06s NA  
## rastr19h27m39.11s NA  
## rastr19h27m40.59s NA  
## rastr19h27m41.41s NA  
## rastr19h27m42.23s NA  
## rastr19h27m44.08s NA  
## rastr19h27m44.23s NA  
## rastr19h27m44.68s NA  
## rastr19h27m48.25s NA  
## rastr19h27m48.45s NA  
## rastr19h27m50.40s NA  
## rastr19h27m50.56s NA  
## rastr19h27m51.39s NA  
## rastr19h27m53.14s NA  
## rastr19h27m54.28s NA  
## rastr19h27m59.95s NA  
## rastr19h28m00.49s NA  
## rastr19h28m01.64s NA  
## rastr19h28m03.23s NA  
## rastr19h28m04.90s NA  
## rastr19h28m08.01s NA  
## rastr19h28m10.65s NA  
## rastr19h28m10.71s NA  
## rastr19h28m13.27s NA  
## rastr19h28m19.65s NA  
## rastr19h28m20.35s NA  
## rastr19h28m20.98s NA  
## rastr19h28m24.55s NA  
## rastr19h28m25.01s NA  
## rastr19h28m25.27s NA  
## rastr19h28m27.63s NA  
## rastr19h28m30.02s NA  
## rastr19h28m31.89s NA  
## rastr19h28m32.96s NA  
## rastr19h28m34.69s NA  
## rastr19h28m36.11s NA  
## rastr19h28m38.08s NA  
## rastr19h28m39.07s NA  
## rastr19h28m40.45s NA  
## rastr19h28m41.06s NA  
## rastr19h28m41.08s NA  
## rastr19h28m43.24s NA  
## rastr19h28m44.84s NA  
## rastr19h28m46.56s NA  
## rastr19h28m47.92s NA  
## rastr19h28m49.12s NA  
## rastr19h28m51.59s NA  
## rastr19h28m52.70s NA  
## rastr19h28m52.87s NA  
## rastr19h28m55.78s NA  
## rastr19h28m56.14s NA  
## rastr19h28m56.38s NA  
## rastr19h28m56.82s NA  
## rastr19h28m59.33s NA  
## rastr19h28m59.47s NA  
## rastr19h28m59.77s NA  
## rastr19h29m00.61s NA  
## rastr19h29m01.10s NA  
## rastr19h29m03.09s NA  
## rastr19h29m04.36s NA  
## rastr19h29m06.26s NA  
## rastr19h29m08.67s NA  
## rastr19h29m08.80s NA  
## rastr19h29m08.95s NA  
## rastr19h29m09.75s NA  
## rastr19h29m09.84s NA  
## rastr19h29m10.68s NA  
## rastr19h29m12.29s NA  
## rastr19h29m13.78s NA  
## rastr19h29m15.62s NA  
## rastr19h29m15.84s NA  
## rastr19h29m17.16s NA  
## rastr19h29m18.36s NA  
## rastr19h29m18.86s NA  
## rastr19h29m19.29s NA  
## rastr19h29m21.00s NA  
## rastr19h29m24.36s NA  
## rastr19h29m24.95s NA  
## rastr19h29m28.70s NA  
## rastr19h29m30.26s NA  
## rastr19h29m33.26s NA  
## rastr19h29m34.89s NA  
## rastr19h29m40.14s NA  
## rastr19h29m41.06s NA  
## rastr19h29m41.47s NA  
## rastr19h29m42.57s NA  
## rastr19h29m42.60s NA  
## rastr19h29m42.62s NA  
## rastr19h29m45.67s NA  
## rastr19h29m47.08s NA  
## rastr19h29m50.12s NA  
## rastr19h29m51.31s NA  
## rastr19h29m51.42s NA  
## rastr19h29m52.75s NA  
## rastr19h29m54.71s NA  
## rastr19h29m54.79s NA  
## rastr19h29m55.13s NA  
## rastr19h29m56.88s NA  
## rastr19h29m59.91s NA  
## rastr19h30m00.71s NA  
## rastr19h30m00.82s NA  
## rastr19h30m03.38s NA  
## rastr19h30m03.53s NA  
## rastr19h30m07.33s NA  
## rastr19h30m07.40s NA  
## rastr19h30m10.97s NA  
## rastr19h30m11.39s NA  
## rastr19h30m17.60s NA  
## rastr19h30m18.50s NA  
## rastr19h30m18.68s NA  
## rastr19h30m19.17s NA  
## rastr19h30m19.30s NA  
## rastr19h30m20.26s NA  
## rastr19h30m21.07s NA  
## rastr19h30m21.99s NA  
## rastr19h30m27.39s NA  
## rastr19h30m27.60s NA  
## rastr19h30m30.60s NA  
## rastr19h30m34.15s NA  
## rastr19h30m38.01s NA  
## rastr19h30m38.05s NA  
## rastr19h30m41.39s NA  
## rastr19h30m42.66s NA  
## rastr19h30m42.73s NA  
## rastr19h30m44.23s NA  
## rastr19h30m45.69s NA  
## rastr19h30m45.70s NA  
## rastr19h30m51.14s NA  
## rastr19h30m51.48s NA  
## rastr19h30m57.04s NA  
## rastr19h31m01.75s NA  
## rastr19h31m04.80s NA  
## rastr19h31m05.63s NA  
## rastr19h31m08.30s NA  
## rastr19h31m14.06s NA  
## rastr19h31m19.72s NA  
## rastr19h31m21.63s NA  
## rastr19h31m25.37s NA  
## rastr19h31m28.76s NA  
## rastr19h31m29.34s NA  
## rastr19h31m29.50s NA  
## rastr19h31m29.61s NA  
## rastr19h31m32.46s NA  
## rastr19h31m36.39s NA  
## rastr19h31m39.15s NA  
## rastr19h31m41.47s NA  
## rastr19h31m43.00s NA  
## rastr19h31m45.55s NA  
## rastr19h31m49.26s NA  
## rastr19h31m49.99s NA  
## rastr19h31m51.72s NA  
## rastr19h31m53.11s NA  
## rastr19h31m57.20s NA  
## rastr19h32m04.23s NA  
## rastr19h32m04.37s NA  
## rastr19h32m09.06s NA  
## rastr19h32m13.73s NA  
## rastr19h32m13.92s NA  
## rastr19h32m14.72s NA  
## rastr19h32m15.20s NA  
## rastr19h32m16.94s NA  
## rastr19h32m19.07s NA  
## rastr19h32m20.27s NA  
## rastr19h32m20.31s NA  
## rastr19h32m22.21s NA  
## rastr19h32m22.57s NA  
## rastr19h32m29.63s NA  
## rastr19h32m30.56s NA  
## rastr19h32m31.48s NA  
## rastr19h32m34.66s NA  
## rastr19h32m35.18s NA  
## rastr19h32m36.18s NA  
## rastr19h32m38.42s NA  
## rastr19h32m39.60s NA  
## rastr19h32m41.12s NA  
## rastr19h32m43.27s NA  
## rastr19h32m44.28s NA  
## rastr19h32m46.89s NA  
## rastr19h32m48.14s NA  
## rastr19h32m49.08s NA  
## rastr19h32m51.24s NA  
## rastr19h32m52.17s NA  
## rastr19h32m55.20s NA  
## rastr19h32m55.26s NA  
## rastr19h33m00.99s NA  
## rastr19h33m02.62s NA  
## rastr19h33m02.98s NA  
## rastr19h33m07.57s NA  
## rastr19h33m07.74s NA  
## rastr19h33m08.79s NA  
## rastr19h33m09.13s NA  
## rastr19h33m09.19s NA  
## rastr19h33m10.47s NA  
## rastr19h33m11.61s NA  
## rastr19h33m12.07s NA  
## rastr19h33m14.81s NA  
## rastr19h33m16.39s NA  
## rastr19h33m17.38s NA  
## rastr19h33m22.80s NA  
## rastr19h33m24.41s NA  
## rastr19h33m27.08s NA  
## rastr19h33m29.33s NA  
## rastr19h33m42.50s NA  
## rastr19h33m47.14s NA  
## rastr19h33m49.16s NA  
## rastr19h33m52.56s NA  
## rastr19h33m52.82s NA  
## rastr19h33m59.18s NA  
## rastr19h34m00.12s NA  
## rastr19h34m02.69s NA  
## rastr19h34m04.76s NA  
## rastr19h34m06.62s NA  
## rastr19h34m07.39s NA  
## rastr19h34m10.14s NA  
## rastr19h34m16.37s NA  
## rastr19h34m17.73s NA  
## rastr19h34m18.67s NA  
## rastr19h34m19.41s NA  
## rastr19h34m19.84s NA  
## rastr19h34m20.73s NA  
## rastr19h34m22.99s NA  
## rastr19h34m24.31s NA  
## rastr19h34m26.02s NA  
## rastr19h34m27.30s NA  
## rastr19h34m28.63s NA  
## rastr19h34m29.53s NA  
## rastr19h34m30.25s NA  
## rastr19h34m31.14s NA  
## rastr19h34m32.87s NA  
## rastr19h34m33.43s NA  
## rastr19h34m34.59s NA  
## rastr19h34m40.91s NA  
## rastr19h34m41.84s NA  
## rastr19h34m42.12s NA  
## rastr19h34m42.35s NA  
## rastr19h34m43.01s NA  
## rastr19h34m43.66s NA  
## rastr19h34m44.57s NA  
## rastr19h34m50.02s NA  
## rastr19h34m50.74s NA  
## rastr19h34m51.95s NA  
## rastr19h34m52.59s NA  
## rastr19h34m54.19s NA  
## rastr19h34m54.52s NA  
## rastr19h34m54.74s NA  
## rastr19h34m55.87s NA  
## rastr19h34m58.07s NA  
## rastr19h34m58.37s NA  
## rastr19h34m58.54s NA  
## rastr19h34m59.31s NA  
## rastr19h35m01.99s NA  
## rastr19h35m04.17s NA  
## rastr19h35m10.47s NA  
## rastr19h35m11.25s NA  
## rastr19h35m13.08s NA  
## rastr19h35m15.95s NA  
## rastr19h35m17.12s NA  
## rastr19h35m17.80s NA  
## rastr19h35m18.39s NA  
## rastr19h35m20.03s NA  
## rastr19h35m20.29s NA  
## rastr19h35m24.15s NA  
## rastr19h35m27.75s NA  
## rastr19h35m29.26s NA  
## rastr19h35m29.68s NA  
## rastr19h35m30.74s NA  
## rastr19h35m31.18s NA  
## rastr19h35m31.53s NA  
## rastr19h35m31.62s NA  
## rastr19h35m31.90s NA  
## rastr19h35m32.49s NA  
## rastr19h35m33.65s NA  
## rastr19h35m36.14s NA  
## rastr19h35m43.14s NA  
## rastr19h35m44.04s NA  
## rastr19h35m45.90s NA  
## rastr19h35m47.43s NA  
## rastr19h35m53.61s NA  
## rastr19h35m53.74s NA  
## rastr19h35m55.57s NA  
## rastr19h35m56.06s NA  
## rastr19h35m56.41s NA  
## rastr19h35m57.28s NA  
## rastr19h36m01.30s NA  
## rastr19h36m02.26s NA  
## rastr19h36m05.53s NA  
## rastr19h36m06.98s NA  
## rastr19h36m10.42s NA  
## rastr19h36m13.82s NA  
## rastr19h36m16.42s NA  
## rastr19h36m19.85s NA  
## rastr19h36m19.94s NA  
## rastr19h36m20.14s NA  
## rastr19h36m24.93s NA  
## rastr19h36m25.96s NA  
## rastr19h36m26.58s NA  
## rastr19h36m27.13s NA  
## rastr19h36m27.76s NA  
## rastr19h36m29.16s NA  
## rastr19h36m33.09s NA  
## rastr19h36m35.92s NA  
## rastr19h36m36.65s NA  
## rastr19h36m36.80s NA  
## rastr19h36m39.16s NA  
## rastr19h36m40.52s NA  
## rastr19h36m41.06s NA  
## rastr19h36m45.40s NA  
## rastr19h36m46.11s NA  
## rastr19h36m48.49s NA  
## rastr19h36m52.54s NA  
## rastr19h36m53.87s NA  
## rastr19h36m56.97s NA  
## rastr19h36m57.91s NA  
## rastr19h37m03.78s NA  
## rastr19h37m03.92s NA  
## rastr19h37m06.54s NA  
## rastr19h37m07.43s NA  
## rastr19h37m09.63s NA  
## rastr19h37m10.68s NA  
## rastr19h37m11.70s NA  
## rastr19h37m13.64s NA  
## rastr19h37m16.06s NA  
## rastr19h37m18.14s NA  
## rastr19h37m18.30s NA  
## rastr19h37m20.73s NA  
## rastr19h37m21.24s NA  
## rastr19h37m21.99s NA  
## rastr19h37m24.20s NA  
## rastr19h37m25.57s NA  
## rastr19h37m27.85s NA  
## rastr19h37m28.02s NA  
## rastr19h37m29.65s NA  
## rastr19h37m32.49s NA  
## rastr19h37m33.83s NA  
## rastr19h37m44.05s NA  
## rastr19h37m46.03s NA  
## rastr19h37m46.04s NA  
## rastr19h37m48.89s NA  
## rastr19h37m49.36s NA  
## rastr19h37m51.06s NA  
## rastr19h37m51.34s NA  
## rastr19h37m52.44s NA  
## rastr19h37m54.81s NA  
## rastr19h37m56.25s NA  
## rastr19h37m56.95s NA  
## rastr19h37m57.58s NA  
## rastr19h37m58.77s NA  
## rastr19h37m59.27s NA  
## rastr19h38m02.72s NA  
## rastr19h38m03.18s NA  
## rastr19h38m04.25s NA  
## rastr19h38m06.11s NA  
## rastr19h38m06.50s NA  
## rastr19h38m06.86s NA  
## rastr19h38m08.06s NA  
## rastr19h38m12.88s NA  
## rastr19h38m13.87s NA  
## rastr19h38m14.16s NA  
## rastr19h38m16.05s NA  
## rastr19h38m16.65s NA  
## rastr19h38m16.89s NA  
## rastr19h38m18.29s NA  
## rastr19h38m22.95s NA  
## rastr19h38m23.17s NA  
## rastr19h38m27.12s NA  
## rastr19h38m27.29s NA  
## rastr19h38m27.55s NA  
## rastr19h38m29.00s NA  
## rastr19h38m31.78s NA  
## rastr19h38m31.82s NA  
## rastr19h38m32.09s NA  
## rastr19h38m32.62s NA  
## rastr19h38m35.19s NA  
## rastr19h38m35.56s NA  
## rastr19h38m36.01s NA  
## rastr19h38m37.26s NA  
## rastr19h38m38.74s NA  
## rastr19h38m39.52s NA  
## rastr19h38m40.30s NA  
## rastr19h38m41.80s NA  
## rastr19h38m43.25s NA  
## rastr19h38m46.57s NA  
## rastr19h38m47.26s NA  
## rastr19h38m50.27s NA  
## rastr19h38m50.44s NA  
## rastr19h38m50.55s NA  
## rastr19h38m50.88s NA  
## rastr19h38m58.09s NA  
## rastr19h38m58.41s NA  
## rastr19h39m04.08s NA  
## rastr19h39m04.76s NA  
## rastr19h39m05.74s NA  
## rastr19h39m06.43s NA  
## rastr19h39m08.22s NA  
## rastr19h39m15.85s NA  
## rastr19h39m19.43s NA  
## rastr19h39m20.43s NA  
## rastr19h39m21.62s NA  
## rastr19h39m22.51s NA  
## rastr19h39m23.26s NA  
## rastr19h39m24.63s NA  
## rastr19h39m27.87s NA  
## rastr19h39m28.06s NA  
## rastr19h39m33.51s NA  
## rastr19h39m38.32s NA  
## rastr19h39m38.78s NA  
## rastr19h39m46.01s NA  
## rastr19h39m46.53s NA  
## rastr19h39m47.75s NA  
## rastr19h39m48.25s NA  
## rastr19h39m48.33s NA  
## rastr19h39m49.22s NA  
## rastr19h39m49.64s NA  
## rastr19h39m50.14s NA  
## rastr19h39m51.84s NA  
## rastr19h39m53.65s NA  
## rastr19h39m54.94s NA  
## rastr19h39m55.33s NA  
## rastr19h39m56.53s NA  
## rastr19h39m57.39s NA  
## rastr19h39m58.03s NA  
## rastr19h39m59.12s NA  
## rastr19h39m59.30s NA  
## rastr19h40m00.50s NA  
## rastr19h40m00.66s NA  
## rastr19h40m05.21s NA  
## rastr19h40m11.65s NA  
## rastr19h40m13.02s NA  
## rastr19h40m15.41s NA  
## rastr19h40m21.66s NA  
## rastr19h40m22.79s NA  
## rastr19h40m24.60s NA  
## rastr19h40m26.39s NA  
## rastr19h40m28.56s NA  
## rastr19h40m33.37s NA  
## rastr19h40m36.51s NA  
## rastr19h40m37.95s NA  
## rastr19h40m39.30s NA  
## rastr19h40m39.36s NA  
## rastr19h40m40.13s NA  
## rastr19h40m42.09s NA  
## rastr19h40m43.61s NA  
## rastr19h40m43.89s NA  
## rastr19h40m46.41s NA  
## rastr19h40m49.18s NA  
## rastr19h40m51.04s NA  
## rastr19h40m52.02s NA  
## rastr19h40m54.35s NA  
## rastr19h40m54.92s NA  
## rastr19h40m57.42s NA  
## rastr19h41m00.28s NA  
## rastr19h41m08.94s NA  
## rastr19h41m09.29s NA  
## rastr19h41m11.49s NA  
## rastr19h41m12.02s NA  
## rastr19h41m12.59s NA  
## rastr19h41m13.08s NA  
## rastr19h41m13.81s NA  
## rastr19h41m13.96s NA  
## rastr19h41m15.17s NA  
## rastr19h41m17.41s NA  
## rastr19h41m17.61s NA  
## rastr19h41m19.16s NA  
## rastr19h41m22.26s NA  
## rastr19h41m23.92s NA  
## rastr19h41m25.05s NA  
## rastr19h41m29.00s NA  
## rastr19h41m30.58s NA  
## rastr19h41m36.61s NA  
## rastr19h41m37.02s NA  
## rastr19h41m38.34s NA  
## rastr19h41m39.09s NA  
## rastr19h41m40.19s NA  
## rastr19h41m40.30s NA  
## rastr19h41m41.30s NA  
## rastr19h41m43.04s NA  
## rastr19h41m43.84s NA  
## rastr19h41m49.26s NA  
## rastr19h41m49.70s NA  
## rastr19h41m50.96s NA  
## rastr19h41m51.22s NA  
## rastr19h41m51.75s NA  
## rastr19h41m54.17s NA  
## rastr19h41m55.49s NA  
## rastr19h41m55.76s NA  
## rastr19h41m56.78s NA  
## rastr19h41m59.54s NA  
## rastr19h42m00.64s NA  
## rastr19h42m05.11s NA  
## rastr19h42m05.78s NA  
## rastr19h42m08.66s NA  
## rastr19h42m09.23s NA  
## rastr19h42m13.20s NA  
## rastr19h42m14.26s NA  
## rastr19h42m15.25s NA  
## rastr19h42m16.29s NA  
## rastr19h42m17.10s NA  
## rastr19h42m17.82s NA  
## rastr19h42m18.26s NA  
## rastr19h42m18.54s NA  
## rastr19h42m19.04s NA  
## rastr19h42m20.75s NA  
## rastr19h42m21.90s NA  
## rastr19h42m26.10s NA  
## rastr19h42m28.80s NA  
## rastr19h42m29.94s NA  
## rastr19h42m31.03s NA  
## rastr19h42m35.68s NA  
## rastr19h42m36.33s NA  
## rastr19h42m36.35s NA  
## rastr19h42m39.10s NA  
## rastr19h42m44.37s NA  
## rastr19h42m46.46s NA  
## rastr19h42m48.26s NA  
## rastr19h42m56.49s NA  
## rastr19h42m58.52s NA  
## rastr19h43m03.89s NA  
## rastr19h43m08.46s NA  
## rastr19h43m08.53s NA  
## rastr19h43m10.12s NA  
## rastr19h43m13.57s NA  
## rastr19h43m14.23s NA  
## rastr19h43m15.88s NA  
## rastr19h43m17.18s NA  
## rastr19h43m18.11s NA  
## rastr19h43m18.88s NA  
## rastr19h43m23.16s NA  
## rastr19h43m26.26s NA  
## rastr19h43m32.99s NA  
## rastr19h43m37.20s NA  
## rastr19h43m37.57s NA  
## rastr19h43m38.20s NA  
## rastr19h43m40.96s NA  
## rastr19h43m42.27s NA  
## rastr19h43m44.03s NA  
## rastr19h43m45.21s NA  
## rastr19h43m47.13s NA  
## rastr19h43m47.59s NA  
## rastr19h43m48.32s NA  
## rastr19h43m54.04s NA  
## rastr19h43m54.14s NA  
## rastr19h44m00.90s NA  
## rastr19h44m00.94s NA  
## rastr19h44m01.73s NA  
## rastr19h44m02.28s NA  
## rastr19h44m05.12s NA  
## rastr19h44m05.35s NA  
## rastr19h44m07.66s NA  
## rastr19h44m07.73s NA  
## rastr19h44m10.15s NA  
## rastr19h44m11.35s NA  
## rastr19h44m12.98s NA  
## rastr19h44m14.37s NA  
## rastr19h44m15.42s NA  
## rastr19h44m15.43s NA  
## rastr19h44m18.15s NA  
## rastr19h44m19.64s NA  
## rastr19h44m24.97s NA  
## rastr19h44m25.90s NA  
## rastr19h44m27.02s NA  
## rastr19h44m28.97s NA  
## rastr19h44m31.52s NA  
## rastr19h44m31.88s NA  
## rastr19h44m36.31s NA  
## rastr19h44m38.16s NA  
## rastr19h44m42.55s NA  
## rastr19h44m44.02s NA  
## rastr19h44m45.18s NA  
## rastr19h44m47.08s NA  
## rastr19h44m48.13s NA  
## rastr19h44m48.93s NA  
## rastr19h44m51.63s NA  
## rastr19h44m53.29s NA  
## rastr19h44m53.33s NA  
## rastr19h44m55.21s NA  
## rastr19h44m55.69s NA  
## rastr19h44m55.87s NA  
## rastr19h44m56.43s NA  
## rastr19h44m58.71s NA  
## rastr19h45m03.48s NA  
## rastr19h45m06.64s NA  
## rastr19h45m08.66s NA  
## rastr19h45m10.44s NA  
## rastr19h45m12.48s NA  
## rastr19h45m13.92s NA  
## rastr19h45m17.27s NA  
## rastr19h45m21.85s NA  
## rastr19h45m25.11s NA  
## rastr19h45m26.07s NA  
## rastr19h45m26.27s NA  
## rastr19h45m27.96s NA  
## rastr19h45m30.44s NA  
## rastr19h45m32.53s NA  
## rastr19h45m33.30s NA  
## rastr19h45m35.41s NA  
## rastr19h45m36.75s NA  
## rastr19h45m36.91s NA  
## rastr19h45m37.66s NA  
## rastr19h45m40.46s NA  
## rastr19h45m41.31s NA  
## rastr19h45m44.59s NA  
## rastr19h45m49.37s NA  
## rastr19h45m51.48s NA  
## rastr19h45m52.15s NA  
## rastr19h45m55.14s NA  
## rastr19h45m56.02s NA  
## rastr19h45m59.05s NA  
## rastr19h45m59.66s NA  
## rastr19h46m00.11s NA  
## rastr19h46m02.52s NA  
## rastr19h46m02.88s NA  
## rastr19h46m04.00s NA  
## rastr19h46m05.88s NA  
## rastr19h46m11.43s NA  
## rastr19h46m12.02s NA  
## rastr19h46m12.66s NA  
## rastr19h46m14.41s NA  
## rastr19h46m15.89s NA  
## rastr19h46m16.00s NA  
## rastr19h46m21.00s NA  
## rastr19h46m24.34s NA  
## rastr19h46m24.82s NA  
## rastr19h46m27.57s NA  
## rastr19h46m30.48s NA  
## rastr19h46m32.85s NA  
## rastr19h46m37.14s NA  
## rastr19h46m39.06s NA  
## rastr19h46m40.31s NA  
## rastr19h46m43.32s NA  
## rastr19h46m45.23s NA  
## rastr19h46m46.55s NA  
## rastr19h46m47.35s NA  
## rastr19h46m49.73s NA  
## rastr19h46m51.06s NA  
## rastr19h46m53.87s NA  
## rastr19h46m58.29s NA  
## rastr19h46m59.14s NA  
## rastr19h47m00.71s NA  
## rastr19h47m00.81s NA  
## rastr19h47m01.00s NA  
## rastr19h47m01.39s NA  
## rastr19h47m05.26s NA  
## rastr19h47m05.46s NA  
## rastr19h47m12.82s NA  
## rastr19h47m14.08s NA  
## rastr19h47m15.29s NA  
## rastr19h47m17.50s NA  
## rastr19h47m20.94s NA  
## rastr19h47m21.21s NA  
## rastr19h47m23.06s NA  
## rastr19h47m24.24s NA  
## rastr19h47m24.49s NA  
## rastr19h47m24.82s NA  
## rastr19h47m25.57s NA  
## rastr19h47m26.20s NA  
## rastr19h47m26.62s NA  
## rastr19h47m32.57s NA  
## rastr19h47m34.76s NA  
## rastr19h47m36.67s NA  
## rastr19h47m41.66s NA  
## rastr19h47m48.50s NA  
## rastr19h47m50.13s NA  
## rastr19h47m50.48s NA  
## rastr19h47m52.51s NA  
## rastr19h47m55.47s NA  
## rastr19h47m56.47s NA  
## rastr19h47m56.81s NA  
## rastr19h47m59.16s NA  
## rastr19h47m59.66s NA  
## rastr19h48m02.26s NA  
## rastr19h48m04.51s NA  
## rastr19h48m04.58s NA  
## rastr19h48m04.81s NA  
## rastr19h48m05.06s NA  
## rastr19h48m06.14s NA  
## rastr19h48m06.76s NA  
## rastr19h48m10.08s NA  
## rastr19h48m10.90s NA  
## rastr19h48m10.95s NA  
## rastr19h48m16.41s NA  
## rastr19h48m16.76s NA  
## rastr19h48m16.85s NA  
## rastr19h48m16.90s NA  
## rastr19h48m17.71s NA  
## rastr19h48m17.92s NA  
## rastr19h48m21.59s NA  
## rastr19h48m21.73s NA  
## rastr19h48m27.62s NA  
## rastr19h48m29.83s NA  
## rastr19h48m31.85s NA  
## rastr19h48m35.71s NA  
## rastr19h48m47.82s NA  
## rastr19h48m48.36s NA  
## rastr19h48m50.14s NA  
## rastr19h48m50.91s NA  
## rastr19h48m51.37s NA  
## rastr19h48m51.80s NA  
## rastr19h49m01.22s NA  
## rastr19h49m02.18s NA  
## rastr19h49m04.94s NA  
## rastr19h49m05.02s NA  
## rastr19h49m05.21s NA  
## rastr19h49m06.69s NA  
## rastr19h49m06.94s NA  
## rastr19h49m08.45s NA  
## rastr19h49m08.52s NA  
## rastr19h49m10.21s NA  
## rastr19h49m12.30s NA  
## rastr19h49m15.84s NA  
## rastr19h49m17.44s NA  
## rastr19h49m18.92s NA  
## rastr19h49m19.94s NA  
## rastr19h49m21.47s NA  
## rastr19h49m23.36s NA  
## rastr19h49m24.55s NA  
## rastr19h49m24.96s NA  
## rastr19h49m26.24s NA  
## rastr19h49m29.62s NA  
## rastr19h49m30.02s NA  
## rastr19h49m33.98s NA  
## rastr19h49m34.35s NA  
## rastr19h49m36.37s NA  
## rastr19h49m39.47s NA  
## rastr19h49m43.29s NA  
## rastr19h49m48.51s NA  
## rastr19h49m48.90s NA  
## rastr19h49m50.41s NA  
## rastr19h49m51.28s NA  
## rastr19h49m51.68s NA  
## rastr19h49m54.51s NA  
## rastr19h49m55.08s NA  
## rastr19h49m55.40s NA  
## rastr19h49m55.81s NA  
## rastr19h49m56.77s NA  
## rastr19h49m56.84s NA  
## rastr19h50m00.89s NA  
## rastr19h50m01.99s NA  
## rastr19h50m02.37s NA  
## rastr19h50m18.51s NA  
## rastr19h50m19.93s NA  
## rastr19h50m20.14s NA  
## rastr19h50m21.25s NA  
## rastr19h50m22.47s NA  
## rastr19h50m34.14s NA  
## rastr19h50m36.22s NA  
## rastr19h50m36.32s NA  
## rastr19h50m39.47s NA  
## rastr19h50m41.43s NA  
## rastr19h50m48.04s NA  
## rastr19h50m50.44s NA  
## rastr19h50m50.77s NA  
## rastr19h50m50.86s NA  
## rastr19h50m53.57s NA  
## rastr19h50m53.81s NA  
## rastr19h50m55.02s NA  
## rastr19h50m56.73s NA  
## rastr19h50m57.55s NA  
## rastr19h51m07.02s NA  
## rastr19h51m08.77s NA  
## rastr19h51m09.82s NA  
## rastr19h51m10.82s NA  
## rastr19h51m11.24s NA  
## rastr19h51m13.97s NA  
## rastr19h51m21.95s NA  
## rastr19h51m22.15s NA  
## rastr19h51m37.38s NA  
## rastr19h51m40.04s NA  
## rastr19h51m40.73s NA  
## rastr19h51m45.16s NA  
## rastr19h51m45.62s NA  
## rastr19h51m46.75s NA  
## rastr19h51m48.39s NA  
## rastr19h51m48.72s NA  
## rastr19h51m49.00s NA  
## rastr19h51m50.77s NA  
## rastr19h51m52.97s NA  
## rastr19h52m00.70s NA  
## rastr19h52m03.47s NA  
## rastr19h52m04.60s NA  
## rastr19h52m05.54s NA  
## rastr19h52m16.24s NA  
## rastr19h52m19.07s NA  
## rastr19h52m20.03s NA  
## rastr19h52m20.28s NA  
## rastr19h52m22.91s NA  
## rastr19h52m25.47s NA  
## rastr19h52m26.68s NA  
## rastr19h52m27.55s NA  
## rastr19h52m28.53s NA  
## rastr19h52m36.01s NA  
## rastr19h52m42.55s NA  
## rastr19h52m48.17s NA  
## rastr19h52m48.63s NA  
## rastr19h53m00.48s NA  
## rastr19h53m01.95s NA  
## rastr19h53m04.54s NA  
## rastr19h53m10.77s NA  
## rastr19h53m12.64s NA  
## rastr19h53m15.47s NA  
## rastr19h53m16.41s NA  
## rastr19h53m18.39s NA  
## rastr19h53m23.61s NA  
## rastr19h53m29.72s NA  
## rastr19h53m32.37s NA  
## rastr19h53m34.86s NA  
## rastr19h53m34.98s NA  
## rastr19h53m36.31s NA  
## rastr19h53m42.34s NA  
## rastr19h53m48.02s NA  
## rastr19h53m49.65s NA  
## rastr19h53m51.75s NA  
## rastr19h53m55.46s NA  
## rastr19h53m55.88s NA  
## rastr19h53m58.39s NA  
## rastr19h54m03.68s NA  
## rastr19h54m12.21s NA  
## rastr19h54m14.99s NA  
## rastr19h54m21.41s NA  
## rastr19h54m22.77s NA  
## rastr19h54m25.90s NA  
## rastr19h54m30.00s NA  
## rastr19h54m32.56s NA  
## rastr19h54m36.66s NA  
## rastr19h54m38.62s NA  
## rastr19h54m38.99s NA  
## rastr19h54m39.23s NA  
## rastr19h54m39.27s NA  
## rastr19h54m41.71s NA  
## rastr19h54m56.43s NA  
## rastr19h54m56.72s NA  
## rastr19h55m15.93s NA  
## rastr19h55m20.60s NA  
## rastr19h55m27.99s NA  
## rastr19h55m35.72s NA  
## rastr19h55m44.84s NA  
## rastr19h55m48.09s NA  
## rastr19h55m50.19s NA  
## rastr19h55m53.32s NA  
## rastr19h55m58.01s NA  
## rastr19h56m12.15s NA  
## rastr19h56m12.30s NA  
## rastr19h56m18.49s NA  
## rastr19h56m19.44s NA  
## rastr19h56m23.40s NA  
## rastr19h56m29.39s NA  
## rastr19h56m30.61s NA  
## rastr19h56m32.70s NA  
## rastr19h56m33.03s NA  
## rastr19h56m33.43s NA  
## rastr19h56m38.52s NA  
## rastr19h56m40.68s NA  
## rastr19h56m44.85s NA  
## rastr19h56m51.17s NA  
## rastr19h56m53.20s NA  
## rastr19h56m53.82s NA  
## rastr19h56m56.89s NA  
## rastr19h57m00.07s NA  
## rastr19h57m04.36s NA  
## rastr19h57m12.85s NA  
## rastr19h57m15.86s NA  
## rastr19h57m16.72s NA  
## rastr19h57m24.45s NA  
## rastr19h57m31.56s NA  
## rastr19h57m37.16s NA  
## rastr19h57m37.69s NA  
## rastr19h57m42.44s NA  
## rastr19h58m00.41s NA  
## rastr19h58m06.24s NA  
## rastr19h58m08.34s NA  
## rastr19h58m14.85s NA  
## rastr19h58m20.00s NA  
## rastr19h58m38.30s NA  
## rastr19h58m38.52s NA  
## rastr19h58m42.21s NA  
## rastr19h58m49.14s NA  
## rastr19h59m08.51s NA  
## rastr19h59m11.16s NA  
## rastr19h59m17.08s NA  
## rastr19h59m19.34s NA  
## rastr19h59m24.43s NA  
## rastr19h59m26.83s NA  
## rastr19h59m35.19s NA  
## rastr19h59m35.36s NA  
## rastr19h59m49.74s NA  
## rastr19h59m51.76s NA  
## rastr20h00m24.56s NA  
## rastr20h00m40.91s NA  
## rastr20h00m43.71s NA  
## rastr20h00m49.59s NA  
## rastr20h00m58.10s NA  
## rastr20h01m15.88s NA  
## rastr20h01m19.76s NA  
## rastr20h01m22.57s NA  
## rastr20h01m29.09s NA  
## rastr20h01m40.19s NA  
## rastr20h01m42.74s NA  
## rastr20h01m43.44s NA  
## rastr20h01m57.17s NA  
## rastr20h02m04.11s NA  
## rastr20h02m28.72s NA  
## rastr20h02m46.95s NA  
## rastr20h02m55.78s NA  
## rastr20h03m00.90s NA  
## rastr20h03m27.36s NA  
## rastr20h03m38.22s NA  
## rastr20h03m43.09s NA  
## rastr20h03m44.50s NA  
## rastr20h05m06.88s NA  
## rastr20h05m22.29s NA  
## rastr20h05m35.03s NA  
## rastr20h06m10.33s NA  
## rastr20h06m18.85s NA  
## rastr20h06m52.99s NA  
## rastr20h07m19.64s NA  
## rastr20h08m06.15s NA  
## rastr20h09m28.50s NA  
## rastr20h11m11.62s NA  
## rastr20h11m30.72s NA  
## rastr20h12m40.03s NA  
## rastr20h12m46.90s NA  
## rastr20h13m31.65s NA  
## rastr20h13m52.26s NA  
## rastr20h13m59.78s NA  
## rastr20h14m32.12s NA  
## rastr20h15m18.83s NA  
## rastr20h16m05.96s NA  
## rastr20h16m49.92s NA  
## rastr20h18m09.32s NA  
## rastr20h19m12.01s NA  
## rastr20h20m00.47s NA  
## rastr20h20m22.97s NA  
## rastr20h20m53.27s NA  
## rastr20h21m45.92s NA  
## rastr20h24m29.74s NA  
## rastr20h26m57.87s NA  
## rastr20h27m42.88s NA  
## rastr20h27m59.52s NA  
## rastr20h28m19.02s NA  
## rastr20h29m40.39s NA  
## rastr20h30m23.21s NA  
## rastr20h30m54.13s NA  
## rastr20h31m26.38s NA  
## rastr20h37m51.31s NA  
## rastr20h38m02.70s NA  
## rastr20h39m32.87s NA  
## rastr20h39m51.95s NA  
## rastr20h39m53.09s NA  
## rastr20h41m44.74s NA  
## rastr20h44m10.26s NA  
## rastr20h44m22.08s NA  
## rastr20h45m01.99s NA  
## rastr20h45m09.87s NA  
## rastr20h46m41.60s NA  
## rastr20h49m21.62s NA  
## rastr20h49m47.83s NA  
## rastr20h49m49.80s NA  
## rastr20h52m40.09s NA  
## rastr20h52m51.71s NA  
## rastr20h54m44.95s NA  
## rastr20h54m45.90s NA  
## rastr20h55m04.96s NA  
## rastr20h55m07.98s NA  
## rastr20h55m09.19s NA  
## rastr20h55m36.01s NA  
## rastr20h57m04.45s NA  
## rastr20h58m18.11s NA  
## rastr20h58m25.88s NA  
## rastr21h00m06.23s NA  
## rastr21h01m39.40s NA  
## rastr21h01m54.53s NA  
## rastr21h02m07.67s NA  
## rastr21h03m37.32s NA  
## rastr21h04m48.89s NA  
## rastr21h06m31.65s NA  
## rastr21h06m39.94s NA  
## rastr21h07m50.76s NA  
## rastr21h09m22.70s NA  
## rastr21h10m12.37s NA  
## rastr21h13m36.24s NA  
## rastr21h14m56.88s NA  
## rastr21h14m57.73s NA  
## rastr21h16m27.54s NA  
## rastr21h18m47.90s NA  
## rastr21h19m47.93s NA  
## rastr21h21m54.83s NA  
## rastr21h22m06.40s NA  
## rastr21h23m03.09s NA  
## rastr21h26m23.09s NA  
## rastr21h28m12.25s NA  
## rastr21h29m00.90s NA  
## rastr21h32m23.20s NA  
## rastr21h33m33.90s NA  
## rastr21h35m40.47s NA  
## rastr21h38m08.43s NA  
## rastr21h38m08.63s NA  
## rastr21h40m03.49s NA  
## rastr21h40m48.39s NA  
## rastr21h41m28.87s NA  
## rastr21h42m22.03s NA  
## rastr21h43m24.90s NA  
## rastr21h45m22.00s NA  
## rastr21h47m24.40s NA  
## rastr21h49m59.45s NA  
## rastr21h50m00.12s NA  
## rastr21h50m39.77s NA  
## rastr21h52m36.43s NA  
## rastr21h54m04.20s NA  
## rastr21h54m52.36s NA  
## rastr21h55m54.22s NA  
## rastr21h56m23.99s NA  
## rastr21h57m19.98s NA  
## rastr21h58m59.78s NA  
## rastr22h03m10.81s NA  
## rastr22h03m29.14s NA  
## rastr22h04m12.10s NA  
## rastr22h04m48.74s NA  
## rastr22h06m06.40s NA  
## rastr22h09m29.95s NA  
## rastr22h09m34.83s NA  
## rastr22h09m38.15s NA  
## rastr22h09m41.52s NA  
## rastr22h10m51.44s NA  
## rastr22h11m47.58s NA  
## rastr22h11m51.33s NA  
## rastr22h12m06.50s NA  
## rastr22h13m43.79s NA  
## rastr22h15m00.45s NA  
## rastr22h15m15.80s NA  
## rastr22h18m06.88s NA  
## rastr22h18m29.46s NA  
## rastr22h22m03.10s NA  
## rastr22h22m15.88s NA  
## rastr22h22m29.60s NA  
## rastr22h24m36.56s NA  
## rastr22h25m17.31s NA  
## rastr22h26m18.27s NA  
## rastr22h27m02.98s NA  
## rastr22h27m31.29s NA  
## rastr22h29m49.88s NA  
## rastr22h30m02.47s NA  
## rastr22h30m49.68s NA  
## rastr22h31m00.15s NA  
## rastr22h31m05.47s NA  
## rastr22h33m28.37s NA  
## rastr22h33m35.92s NA  
## rastr22h34m25.50s NA  
## rastr22h35m56.09s NA  
## rastr22h36m06.20s NA  
## rastr22h40m19.97s NA  
## rastr22h41m12.91s NA  
## rastr22h43m21.14s NA  
## rastr22h45m27.37s NA  
## rastr22h46m36.65s NA  
## rastr22h47m30.45s NA  
## rastr22h48m07.60s NA  
## rastr22h49m32.62s NA  
## rastr22h52m09.96s NA  
## rastr22h53m03.98s NA  
## rastr22h53m17.75s NA  
## rastr22h53m38.27s NA  
## rastr22h54m39.35s NA  
## rastr22h55m29.30s NA  
## rastr22h55m53.97s NA  
## rastr22h57m28.21s NA  
## rastr22h57m46.89s NA  
## rastr22h58m15.53s NA  
## rastr22h59m29.66s NA  
## rastr23h03m08.11s NA  
## rastr23h04m18.02s NA  
## rastr23h04m32.78s NA  
## rastr23h05m52.04s NA  
## rastr23h06m30.33s NA  
## rastr23h07m28.84s NA  
## rastr23h09m11.38s NA  
## rastr23h09m58.27s NA  
## rastr23h10m29.26s NA  
## rastr23h10m49.04s NA  
## rastr23h10m50.60s NA  
## rastr23h12m14.15s NA  
## rastr23h12m37.71s NA  
## rastr23h13m20.93s NA  
## rastr23h13m26.50s NA  
## rastr23h13m58.75s NA  
## rastr23h14m07.67s NA  
## rastr23h14m53.85s NA  
## rastr23h15m42.22s NA  
## rastr23h15m47.77s NA  
## rastr23h15m53.88s NA  
## rastr23h15m58.33s NA  
## rastr23h16m15.23s NA  
## rastr23h16m49.73s NA  
## rastr23h17m10.72s NA  
## rastr23h17m32.24s NA  
## rastr23h18m14.22s NA  
## rastr23h18m29.51s NA  
## rastr23h18m46.73s NA  
## rastr23h20m06.86s NA  
## rastr23h20m14.40s NA  
## rastr23h21m58.73s NA  
## rastr23h23m40.09s NA  
## rastr23h24m32.49s NA  
## rastr23h25m52.97s NA  
## rastr23h26m27.47s NA  
## rastr23h26m36.82s NA  
## rastr23h27m05.23s NA  
## rastr23h28m41.41s NA  
## rastr23h31m17.80s NA  
## rastr23h31m20.69s NA  
## rastr23h31m52.81s NA  
## rastr23h32m07.96s NA  
## rastr23h32m55.05s NA  
## rastr23h32m58.45s NA  
## rastr23h33m19.66s NA  
## rastr23h34m15.10s NA  
## rastr23h34m27.90s NA  
## rastr23h35m49.04s NA  
## rastr23h36m40.49s NA  
## rastr23h36m57.80s NA  
## rastr23h38m00.61s NA  
## rastr23h38m07.68s NA  
## rastr23h39m05.78s NA  
## rastr23h39m20.60s NA  
## rastr23h41m51.38s NA  
## rastr23h43m18.88s NA  
## rastr23h46m40.01s NA  
## rastr23h50m19.36s NA  
## rastr23h51m23.14s NA  
## rastr23h51m31.01s NA  
## rastr23h54m03.63s NA  
## rastr23h54m14.12s NA  
## rastr23h54m40.53s NA  
## rastr23h56m36.47s NA  
## rastr23h56m45.96s NA  
## rastr23h57m23.77s NA  
## rastr23h58m51.94s NA  
## rastr23h59m10.41s NA  
## rastr23h59m36.21s NA  
## rastr23h59m54.00s NA  
## ra NA  
## decstr-00d07m41.42s NA  
## decstr-00d10m14.63s NA  
## decstr-00d16m55.48s NA  
## decstr-00d17m56.96s NA  
## decstr-00d23m36.37s NA  
## decstr-00d25m49.29s NA  
## decstr-00d40m22.03s NA  
## decstr-00d41m48.77s NA  
## decstr-00d49m24.83s NA  
## decstr-00d51m56.73s NA  
## decstr-00d54m08.64s NA  
## decstr-01d02m06.10s NA  
## decstr-01d03m46.83s NA  
## decstr-01d04m24.00s NA  
## decstr-01d04m33.61s NA  
## decstr-01d06m39.32s NA  
## decstr-01d09m48.97s NA  
## decstr-01d11m21.06s NA  
## decstr-01d11m47.02s NA  
## decstr-01d15m08.28s NA  
## decstr-01d17m07.24s NA  
## decstr-01d17m47.20s NA  
## decstr-01d19m42.39s NA  
## decstr-01d24m17.00s NA  
## decstr-01d27m18.49s NA  
## decstr-01d31m47.14s NA  
## decstr-01d34m07.08s NA  
## decstr-01d34m47.95s NA  
## decstr-01d35m32.25s NA  
## decstr-01d41m18.87s NA  
## decstr-01d43m28.14s NA  
## decstr-01d46m26.61s NA  
## decstr-01d58m58.03s NA  
## decstr-02d01m49.39s NA  
## decstr-02d02m42.34s NA  
## decstr-02d03m27.67s NA  
## decstr-02d08m39.97s NA  
## decstr-02d11m04.98s NA  
## decstr-02d15m40.19s NA  
## decstr-02d15m53.97s NA  
## decstr-02d16m40.94s NA  
## decstr-02d23m43.62s NA  
## decstr-02d28m25.77s NA  
## decstr-02d30m47.87s NA  
## decstr-02d38m19.57s NA  
## decstr-02d39m08.24s NA  
## decstr-02d46m28.95s NA  
## decstr-02d46m44.90s NA  
## decstr-02d58m15.53s NA  
## decstr-03d00m30.89s NA  
## decstr-03d01m53.35s NA  
## decstr-03d06m07.70s NA  
## decstr-03d19m11.97s NA  
## decstr-03d22m51.81s NA  
## decstr-03d23m46.90s NA  
## decstr-03d26m40.20s NA  
## decstr-03d33m11.21s NA  
## decstr-03d33m44.96s NA  
## decstr-03d39m58.06s NA  
## decstr-03d43m09.44s NA  
## decstr-03d48m30.08s NA  
## decstr-03d50m06.00s NA  
## decstr-03d54m20.07s NA  
## decstr-03d58m31.59s NA  
## decstr-04d03m00.38s NA  
## decstr-04d25m20.27s NA  
## decstr-04d38m26.99s NA  
## decstr-04d45m19.95s NA  
## decstr-04d48m25.21s NA  
## decstr-05d00m43.31s NA  
## decstr-05d02m36.46s NA  
## decstr-05d02m52.70s NA  
## decstr-05d03m14.84s NA  
## decstr-05d04m46.15s NA  
## decstr-05d05m11.24s NA  
## decstr-05d05m41.49s NA  
## decstr-05d09m50.92s NA  
## decstr-05d10m42.27s NA  
## decstr-05d22m00.53s NA  
## decstr-05d26m32.98s NA  
## decstr-05d32m09.74s NA  
## decstr-05d40m30.41s NA  
## decstr-05d45m53.86s NA  
## decstr-05d59m10.46s NA  
## decstr-05d59m46.82s NA  
## decstr-06d00m09.37s NA  
## decstr-06d08m09.90s NA  
## decstr-06d08m21.61s NA  
## decstr-06d13m47.21s NA  
## decstr-06d24m07.45s NA  
## decstr-06d36m44.24s NA  
## decstr-06d43m18.65s NA  
## decstr-06d48m14.66s NA  
## decstr-07d03m38.40s NA  
## decstr-07d15m27.15s NA  
## decstr-07d19m05.01s NA  
## decstr-07d23m24.53s NA  
## decstr-07d24m29.68s NA  
## decstr-07d33m02.15s NA  
## decstr-07d43m21.70s NA  
## decstr-07d47m42.15s NA  
## decstr-07d51m27.21s NA  
## decstr-07d57m22.87s NA  
## decstr-07d59m44.41s NA  
## decstr-08d01m37.15s NA  
## decstr-08d03m13.03s NA  
## decstr-08d14m01.02s NA  
## decstr-08d16m52.12s NA  
## decstr-08d19m03.49s NA  
## decstr-08d19m40.89s NA  
## decstr-08d32m55.03s NA  
## decstr-08d35m49.51s NA  
## decstr-08d44m49.98s NA  
## decstr-08d49m27.34s NA  
## decstr-08d50m52.94s NA  
## decstr-09d01m22.59s NA  
## decstr-09d05m16.11s NA  
## decstr-09d19m29.89s NA  
## decstr-09d23m57.71s NA  
## decstr-09d27m29.42s NA  
## decstr-09d30m48.83s NA  
## decstr-09d30m59.65s NA  
## decstr-09d35m48.09s NA  
## decstr-09d36m27.40s NA  
## decstr-09d36m43.23s NA  
## decstr-09d45m54.86s NA  
## decstr-09d46m26.88s NA  
## decstr-09d48m23.20s NA  
## decstr-09d56m45.85s NA  
## decstr-10d08m46.37s NA  
## decstr-10d14m36.49s NA  
## decstr-10d17m28.84s NA  
## decstr-10d21m07.84s NA  
## decstr-10d25m28.63s NA  
## decstr-10d33m03.87s NA  
## decstr-10d37m49.16s NA  
## decstr-10d38m21.62s NA  
## decstr-10d40m31.69s NA  
## decstr-10d42m41.53s NA  
## decstr-10d43m30.29s NA  
## decstr-10d46m13.52s NA  
## decstr-10d50m59.06s NA  
## decstr-10d53m52.89s NA  
## decstr-10d58m35.12s NA  
## decstr-11d02m01.40s NA  
## decstr-11d02m41.79s NA  
## decstr-11d14m07.22s NA  
## decstr-11d24m24.43s NA  
## decstr-11d34m45.55s NA  
## decstr-11d35m20.36s NA  
## decstr-11d37m17.47s NA  
## decstr-11d38m13.37s NA  
## decstr-11d43m04.08s NA  
## decstr-11d50m16.05s NA  
## decstr-11d54m04.23s NA  
## decstr-11d55m22.71s NA  
## decstr-11d56m17.75s NA  
## decstr-12d01m08.64s NA  
## decstr-12d05m05.51s NA  
## decstr-12d06m28.78s NA  
## decstr-12d07m49.07s NA  
## decstr-12d10m01.79s NA  
## decstr-12d17m05.71s NA  
## decstr-12d31m01.22s NA  
## decstr-12d38m11.13s NA  
## decstr-12d40m03.67s NA  
## decstr-12d47m00.07s NA  
## decstr-12d47m32.01s NA  
## decstr-12d55m39.59s NA  
## decstr-12d56m41.17s NA  
## decstr-12d59m08.37s NA  
## decstr-13d10m29.43s NA  
## decstr-13d15m23.50s NA  
## decstr-13d23m58.64s NA  
## decstr-13d26m00.18s NA  
## decstr-13d33m34.37s NA  
## decstr-13d34m37.09s NA  
## decstr-13d43m54.50s NA  
## decstr-13d54m24.01s NA  
## decstr-13d59m10.81s NA  
## decstr-14d04m06.38s NA  
## decstr-14d15m59.74s NA  
## decstr-14d16m36.27s NA  
## decstr-14d25m08.94s NA  
## decstr-14d27m26.75s NA  
## decstr-14d29m21.57s NA  
## decstr-14d29m41.20s NA  
## decstr-14d32m14.22s NA  
## decstr-14d47m22.21s NA  
## decstr-14d56m52.15s NA  
## decstr-14d57m03.52s NA  
## decstr-14d59m30.39s NA  
## decstr-15d01m34.41s NA  
## decstr-15d16m02.66s NA  
## decstr-15d16m25.34s NA  
## decstr-15d16m26.79s NA  
## decstr-15d53m43.44s NA  
## decstr-15d56m01.68s NA  
## decstr-15d57m51.64s NA  
## decstr-16d02m10.78s NA  
## decstr-16d13m38.37s NA  
## decstr-16d20m21.30s NA  
## decstr-16d24m23.20s NA  
## decstr-16d30m32.41s NA  
## decstr-16d35m40.18s NA  
## decstr-16d43m28.73s NA  
## decstr-16d57m23.37s NA  
## decstr-16d57m55.40s NA  
## decstr-16d59m46.48s NA  
## decstr-17d00m01.10s NA  
## decstr-17d04m39.34s NA  
## decstr-17d06m54.62s NA  
## decstr-17d15m02.88s NA  
## decstr-17d15m50.78s NA  
## decstr-17d19m59.05s NA  
## decstr-17d28m54.53s NA  
## decstr-17d30m12.59s NA  
## decstr-17d39m28.01s NA  
## decstr-17d41m13.42s NA  
## decstr-17d46m34.30s NA  
## decstr-17d54m38.57s NA  
## decstr-18d00m41.99s NA  
## decstr-18d01m19.10s NA  
## decstr-18d06m24.98s NA  
## decstr-18d18m56.79s NA  
## decstr-18d26m09.50s NA  
## decstr-18d52m35.13s NA  
## decstr-18d58m17.07s NA  
## decstr-19d01m53.86s NA  
## decstr-19d03m17.20s NA  
## decstr-19d03m24.55s NA  
## decstr-19d15m22.25s NA  
## decstr-19d17m03.67s NA  
## decstr-19d17m30.07s NA  
## decstr-19d18m53.02s NA  
## decstr-19d20m03.71s NA  
## decstr-19d20m51.53s NA  
## decstr-19d21m21.32s NA  
## decstr-19d26m15.10s NA  
## decstr-19d30m26.63s NA  
## decstr-19d32m32.30s NA  
## decstr-19d32m34.98s NA  
## decstr-19d33m25.05s NA  
## decstr-19d36m19.06s NA  
## decstr-19d39m46.05s NA  
## decstr-19d41m27.15s NA  
## decstr-19d42m16.01s NA  
## decstr-19d44m50.76s NA  
## decstr-19d49m44.18s NA  
## decstr-19d55m53.34s NA  
## decstr-19d56m59.03s NA  
## decstr-19d57m12.40s NA  
## decstr-20d09m58.96s NA  
## decstr-20d11m56.03s NA  
## decstr-20d13m54.47s NA  
## decstr-20d16m02.40s NA  
## decstr-20d16m31.57s NA  
## decstr-20d21m20.18s NA  
## decstr-20d27m03.60s NA  
## decstr-20d37m00.45s NA  
## decstr-20d39m42.63s NA  
## decstr-20d47m23.02s NA  
## decstr-20d48m09.73s NA  
## decstr-20d51m23.30s NA  
## decstr-20d57m28.65s NA  
## decstr-20d58m56.71s NA  
## decstr-21d11m46.37s NA  
## decstr-21d12m11.92s NA  
## decstr-21d12m28.29s NA  
## decstr-21d16m19.26s NA  
## decstr-21d28m55.40s NA  
## decstr-21d40m25.33s NA  
## decstr-21d43m38.71s NA  
## decstr-21d48m04.32s NA  
## decstr-21d52m03.80s NA  
## decstr-21d54m38.56s NA  
## decstr-21d56m01.13s NA  
## decstr-22d05m39.59s NA  
## decstr-22d06m59.00s NA  
## decstr-22d09m11.63s NA  
## decstr-22d12m16.15s NA  
## decstr-22d14m51.75s NA  
## decstr-22d17m36.31s NA  
## decstr-22d17m45.12s NA  
## decstr-22d21m30.04s NA  
## decstr-22d23m17.44s NA  
## decstr-22d23m24.03s NA  
## decstr-22d25m40.80s NA  
## decstr-22d27m13.01s NA  
## decstr-22d32m48.78s NA  
## decstr-22d33m46.83s NA  
## decstr-22d40m26.85s NA  
## decstr-22d59m12.64s NA  
## decstr-23d05m09.62s NA  
## decstr-23d11m21.91s NA  
## decstr-23d12m10.15s NA  
## decstr-23d13m05.18s NA  
## decstr-23d14m28.74s NA  
## decstr-23d21m17.44s NA  
## decstr-23d27m10.11s NA  
## decstr-23d29m09.91s NA  
## decstr-23d29m32.98s NA  
## decstr-23d32m53.78s NA  
## decstr-23d33m29.68s NA  
## decstr-23d37m10.92s NA  
## decstr-23d46m52.47s NA  
## decstr-23d49m11.25s NA  
## decstr-23d51m39.40s NA  
## decstr-23d55m26.84s NA  
## decstr-23d56m08.84s NA  
## decstr-23d56m45.97s NA  
## decstr-23d58m31.76s NA  
## decstr-24d05m57.07s NA  
## decstr-24d08m12.87s NA  
## decstr-24d10m47.26s NA  
## decstr-24d18m12.62s NA  
## decstr-24d22m08.14s NA  
## decstr-24d25m38.60s NA  
## decstr-24d25m43.30s NA  
## decstr-24d27m15.13s NA  
## decstr-24d41m44.07s NA  
## decstr-24d53m31.56s NA  
## decstr-24d59m26.17s NA  
## decstr-25d10m16.82s NA  
## decstr-25d12m31.69s NA  
## decstr-25d16m34.67s NA  
## decstr-25d18m08.31s NA  
## decstr-25d18m34.82s NA  
## decstr-25d20m58.80s NA  
## decstr-25d24m32.12s NA  
## decstr-25d31m41.64s NA  
## decstr-25d35m41.63s NA  
## decstr-25d38m46.76s NA  
## decstr-25d41m14.55s NA  
## decstr-25d41m30.39s NA  
## decstr-25d44m54.12s NA  
## decstr-25d48m11.42s NA  
## decstr-25d59m27.79s NA  
## decstr-26d01m37.83s NA  
## decstr-26d03m14.92s NA  
## decstr-26d04m39.23s NA  
## decstr-26d05m48.19s NA  
## decstr-26d30m54.14s NA  
## decstr-26d36m58.95s NA  
## decstr-26d39m34.30s NA  
## decstr-26d41m34.32s NA  
## decstr-26d43m25.93s NA  
## decstr-26d44m24.73s NA  
## decstr-26d47m51.61s NA  
## decstr-26d53m38.64s NA  
## decstr-27d02m01.52s NA  
## decstr-27d03m01.50s NA  
## decstr-27d04m41.23s NA  
## decstr-27d23m34.14s NA  
## decstr-27d31m20.02s NA  
## decstr-27d37m23.96s NA  
## decstr-27d37m24.34s NA  
## decstr-27d38m10.02s NA  
## decstr-27d50m29.74s NA  
## decstr-27d50m35.29s NA  
## decstr-27d58m21.27s NA  
## decstr-28d03m42.46s NA  
## decstr-28d04m22.03s NA  
## decstr-28d11m49.97s NA  
## decstr-28d25m08.67s NA  
## decstr-28d33m39.00s NA  
## decstr-28d35m01.80s NA  
## decstr-28d35m08.16s NA  
## decstr-28d42m38.10s NA  
## decstr-28d46m50.30s NA  
## decstr-28d47m02.82s NA  
## decstr-28d51m15.67s NA  
## decstr-29d03m31.16s NA  
## decstr-29d09m21.83s NA  
## decstr-29d24m51.49s NA  
## decstr-29d24m59.35s NA  
## decstr-29d25m18.15s NA  
## decstr-29d32m36.11s NA  
## decstr-29d38m42.37s NA  
## decstr-29d46m36.41s NA  
## decstr-29d48m01.60s NA  
## decstr-29d49m00.45s NA  
## decstr-29d52m35.31s NA  
## decstr-29d53m49.89s NA  
## decstr-29d55m02.11s NA  
## decstr-29d56m16.50s NA  
## decstr-29d59m49.64s NA  
## decstr-30d00m46.94s NA  
## decstr-30d02m14.40s NA  
## decstr-30d10m08.68s NA  
## decstr-30d10m30.50s NA  
## decstr-30d20m53.35s NA  
## decstr-30d23m58.06s NA  
## decstr-30d35m00.99s NA  
## decstr-30d36m01.57s NA  
## decstr-30d37m00.63s NA  
## decstr-30d38m23.34s NA  
## decstr-30d44m58.99s NA  
## decstr-30d48m16.71s NA  
## decstr-30d48m42.48s NA  
## decstr-30d48m50.62s NA  
## decstr-30d58m14.94s NA  
## decstr-31d08m39.62s NA  
## decstr-31d09m46.78s NA  
## decstr-31d12m07.45s NA  
## decstr-31d14m39.82s NA  
## decstr-31d16m09.16s NA  
## decstr-31d17m41.44s NA  
## decstr-31d20m32.82s NA  
## decstr-31d28m51.61s NA  
## decstr-31d44m16.21s NA  
## decstr-31d52m28.83s NA  
## decstr-32d09m34.96s NA  
## decstr-32d19m13.50s NA  
## decstr-32d20m22.03s NA  
## decstr-32d31m30.01s NA  
## decstr-32d32m37.07s NA  
## decstr-32d39m47.08s NA  
## decstr-32d43m34.90s NA  
## decstr-32d45m19.51s NA  
## decstr-32d48m01.25s NA  
## decstr-32d51m30.20s NA  
## decstr-32d51m36.45s NA  
## decstr-32d55m15.02s NA  
## decstr-33d26m14.45s NA  
## decstr-33d34m02.00s NA  
## decstr-33d34m39.65s NA  
## decstr-33d43m46.88s NA  
## decstr-33d51m36.28s NA  
## decstr-33d52m54.09s NA  
## decstr-33d54m54.96s NA  
## decstr-33d55m15.85s NA  
## decstr-34d06m25.82s NA  
## decstr-34d07m21.88s NA  
## decstr-34d08m08.61s NA  
## decstr-34d08m08.70s NA  
## decstr-34d11m54.53s NA  
## decstr-34d13m34.37s NA  
## decstr-34d19m41.78s NA  
## decstr-34d27m32.75s NA  
## decstr-34d27m34.01s NA  
## decstr-34d29m29.08s NA  
## decstr-34d34m44.73s NA  
## decstr-34d36m40.70s NA  
## decstr-34d40m05.70s NA  
## decstr-34d55m31.97s NA  
## decstr-34d59m23.67s NA  
## decstr-34d59m51.95s NA  
## decstr-35d01m52.81s NA  
## decstr-35d03m22.25s NA  
## decstr-35d06m52.28s NA  
## decstr-35d07m00.16s NA  
## decstr-35d18m52.75s NA  
## decstr-35d23m27.31s NA  
## decstr-35d25m40.23s NA  
## decstr-35d29m23.73s NA  
## decstr-35d32m22.28s NA  
## decstr-35d32m54.99s NA  
## decstr-35d34m16.69s NA  
## decstr-35d38m26.03s NA  
## decstr-35d47m47.84s NA  
## decstr-35d51m11.0s NA  
## decstr-35d59m54.47s NA  
## decstr-36d37m51.53s NA  
## decstr-36d38m46.07s NA  
## decstr-36d51m29.19s NA  
## decstr-37d02m20.89s NA  
## decstr-37d13m51.41s NA  
## decstr-37d33m12.08s NA  
## decstr-37d37m41.61s NA  
## decstr-37d44m41.58s NA  
## decstr-37d45m50.89s NA  
## decstr-37d46m51.57s NA  
## decstr-37d48m10.16s NA  
## decstr-37d48m44.06s NA  
## decstr-37d49m46.12s NA  
## decstr-37d54m36.48s NA  
## decstr-37d55m02.04s NA  
## decstr-37d56m23.03s NA  
## decstr-37d58m59.25s NA  
## decstr-38d08m22.98s NA  
## decstr-38d10m28.70s NA  
## decstr-38d19m24.18s NA  
## decstr-38d22m38.71s NA  
## decstr-38d44m40.37s NA  
## decstr-38d58m05.87s NA  
## decstr-39d01m56.48s NA  
## decstr-39d05m50.17s NA  
## decstr-39d11m34.68s NA  
## decstr-39d13m31.75s NA  
## decstr-39d13m49.76s NA  
## decstr-39d29m25.77s NA  
## decstr-39d42m16.00s NA  
## decstr-39d44m14.06s NA  
## decstr-39d45m29.02s NA  
## decstr-39d47m27.15s NA  
## decstr-39d54m03.24s NA  
## decstr-39d54m25.64s NA  
## decstr-40d02m40.31s NA  
## decstr-40d02m54.38s NA  
## decstr-40d19m06.47s NA  
## decstr-40d23m39.28s NA  
## decstr-40d29m55.04s NA  
## decstr-40d32m37.32s NA  
## decstr-40d34m24.46s NA  
## decstr-40d39m21.83s NA  
## decstr-40d47m54.67s NA  
## decstr-40d48m43.72s NA  
## decstr-40d53m17.73s NA  
## decstr-41d13m30.74s NA  
## decstr-41d14m38.53s NA  
## decstr-41d16m12.36s NA  
## decstr-41d16m37.99s NA  
## decstr-41d18m07.28s NA  
## decstr-41d19m06.32s NA  
## decstr-41d23m05.50s NA  
## decstr-41d23m52.95s NA  
## decstr-41d25m15.95s NA  
## decstr-41d26m15.50s NA  
## decstr-41d27m52.57s NA  
## decstr-41d29m39.88s NA  
## decstr-41d44m15.99s NA  
## decstr-41d49m15.54s NA  
## decstr-41d57m38.38s NA  
## decstr-42d03m42.41s NA  
## decstr-42d03m50.25s NA  
## decstr-42d04m25.02s NA  
## decstr-42d24m35.14s NA  
## decstr-42d28m30.98s NA  
## decstr-42d34m32.60s NA  
## decstr-42d42m17.88s NA  
## decstr-42d43m55.70s NA  
## decstr-42d45m44.03s NA  
## decstr-42d45m46.90s NA  
## decstr-42d58m47.81s NA  
## decstr-43d03m59.95s NA  
## decstr-43d08m46.44s NA  
## decstr-43d16m21.80s NA  
## decstr-43d18m37.35s NA  
## decstr-43d26m12.74s NA  
## decstr-43d30m17.34s NA  
## decstr-44d05m19.33s NA  
## decstr-44d15m15.00s NA  
## decstr-44d18m43.48s NA  
## decstr-44d19m23.71s NA  
## decstr-44d26m06.21s NA  
## decstr-44d30m51.52s NA  
## decstr-44d41m19.82s NA  
## decstr-44d52m35.35s NA  
## decstr-44d53m15.43s NA  
## decstr-45d02m34.87s NA  
## decstr-45d39m32.79s NA  
## decstr-45d40m40.06s NA  
## decstr-45d46m44.46s NA  
## decstr-45d47m58.04s NA  
## decstr-45d53m53.68s NA  
## decstr-45d55m21.31s NA  
## decstr-46d03m59.45s NA  
## decstr-46d08m11.11s NA  
## decstr-46d09m34.26s NA  
## decstr-46d19m03.03s NA  
## decstr-46d20m00.09s NA  
## decstr-46d27m52.86s NA  
## decstr-46d29m03.47s NA  
## decstr-46d35m15.78s NA  
## decstr-46d42m53.00s NA  
## decstr-46d49m00.03s NA  
## decstr-46d49m16.91s NA  
## decstr-46d53m56.34s NA  
## decstr-47d09m17.77s NA  
## decstr-47d14m15.27s NA  
## decstr-47d16m18.86s NA  
## decstr-47d21m38.29s NA  
## decstr-47d33m43.31s NA  
## decstr-47d35m16.14s NA  
## decstr-47d36m49.24s NA  
## decstr-47d54m52.86s NA  
## decstr-47d56m15.14s NA  
## decstr-48d00m11.16s NA  
## decstr-48d19m07.74s NA  
## decstr-48d27m43.50s NA  
## decstr-48d32m30.58s NA  
## decstr-48d33m00.83s NA  
## decstr-48d35m55.08s NA  
## decstr-48d39m15.34s NA  
## decstr-48d40m43.83s NA  
## decstr-48d58m42.28s NA  
## decstr-49d00m45.06s NA  
## decstr-49d04m31.30s NA  
## decstr-49d08m18.65s NA  
## decstr-49d20m06.80s NA  
## decstr-49d25m02.16s NA  
## decstr-49d26m02.77s NA  
## decstr-49d39m53.79s NA  
## decstr-49d47m25.89s NA  
## decstr-49d56m56.15s NA  
## decstr-49d57m50.11s NA  
## decstr-50d00m29.50s NA  
## decstr-50d04m02.46s NA  
## decstr-50d05m36.92s NA  
## decstr-50d10m51.22s NA  
## decstr-50d12m42.09s NA  
## decstr-50d16m04.44s NA  
## decstr-50d17m03.93s NA  
## decstr-50d17m34.05s NA  
## decstr-50d27m47.14s NA  
## decstr-50d37m22.11s NA  
## decstr-50d39m33.51s NA  
## decstr-50d47m57.65s NA  
## decstr-50d49m15.58s NA  
## decstr-50d49m56.15s NA  
## decstr-51d03m58.13s NA  
## decstr-51d19m32.70s NA  
## decstr-51d21m46.99s NA  
## decstr-51d38m16.00s NA  
## decstr-51d39m52.07s NA  
## decstr-51d50m05.55s NA  
## decstr-51d55m53.42s NA  
## decstr-51d55m58.48s NA  
## decstr-51d57m26.62s NA  
## decstr-52d07m13.61s NA  
## decstr-52d22m59.73s NA  
## decstr-52d26m46.86s NA  
## decstr-52d28m04.34s NA  
## decstr-52d38m47.31s NA  
## decstr-52d50m26.94s NA  
## decstr-52d54m58.44s NA  
## decstr-53d22m16.24s NA  
## decstr-53d39m50.50s NA  
## decstr-53d44m28.63s NA  
## decstr-53d44m37.53s NA  
## decstr-53d56m26.79s NA  
## decstr-54d10m39.80s NA  
## decstr-54d15m55.24s NA  
## decstr-54d27m54.59s NA  
## decstr-54d31m57.82s NA  
## decstr-54d33m34.56s NA  
## decstr-54d48m45.41s NA  
## decstr-54d49m50.96s NA  
## decstr-54d53m36.03s NA  
## decstr-54d54m37.52s NA  
## decstr-55d15m36.07s NA  
## decstr-55d18m41.54s NA  
## decstr-55d19m48.97s NA  
## decstr-55d46m19.20s NA  
## decstr-55d52m18.71s NA  
## decstr-56d02m25.47s NA  
## decstr-56d11m30.73s NA  
## decstr-56d18m57.97s NA  
## decstr-56d19m19.59s NA  
## decstr-56d20m39.41s NA  
## decstr-56d26m59.29s NA  
## decstr-56d27m44.23s NA  
## decstr-56d35m59.27s NA  
## decstr-56d37m24.80s NA  
## decstr-56d38m59.96s NA  
## decstr-56d40m51.74s NA  
## decstr-56d47m48.85s NA  
## decstr-56d50m35.22s NA  
## decstr-56d54m14.35s NA  
## decstr-56d55m31.40s NA  
## decstr-57d23m05.99s NA  
## decstr-57d32m33.23s NA  
## decstr-58d00m19.37s NA  
## decstr-58d01m14.91s NA  
## decstr-58d01m28.86s NA  
## decstr-58d08m56.16s NA  
## decstr-58d12m35.11s NA  
## decstr-58d19m23.78s NA  
## decstr-58d39m51.82s NA  
## decstr-58d42m14.45s NA  
## decstr-58d50m10.13s NA  
## decstr-58d54m17.01s NA  
## decstr-58d56m45.91s NA  
## decstr-59d18m10.36s NA  
## decstr-59d24m34.84s NA  
## decstr-59d28m41.09s NA  
## decstr-59d32m27.55s NA  
## decstr-59d34m45.66s NA  
## decstr-59d41m35.93s NA  
## decstr-59d51m53.38s NA  
## decstr-59d56m33.32s NA  
## decstr-60d01m25.42s NA  
## decstr-60d03m56.63s NA  
## decstr-60d04m38.02s NA  
## decstr-60d12m02.50s NA  
## decstr-60d18m30.36s NA  
## decstr-60d26m52.15s NA  
## decstr-60d30m41.36s NA  
## decstr-60d31m16.71s NA  
## decstr-60d38m05.15s NA  
## decstr-60d44m23.67s NA  
## decstr-60d53m30.34s NA  
## decstr-60d54m19.66s NA  
## decstr-61d05m42.94s NA  
## decstr-61d08m07.68s NA  
## decstr-61d21m18.14s NA  
## decstr-61d24m20.51s NA  
## decstr-61d25m20.55s NA  
## decstr-61d35m12.70s NA  
## decstr-61d41m24.46s NA  
## decstr-61d44m50.64s NA  
## decstr-61d45m22.08s NA  
## decstr-61d57m26.09s NA  
## decstr-61d59m49.96s NA  
## decstr-62d27m19.93s NA  
## decstr-62d28m09.54s NA  
## decstr-62d40m34.26s NA  
## decstr-62d42m06.59s NA  
## decstr-62d46m02.16s NA  
## decstr-62d49m25.53s NA  
## decstr-63d15m37.19s NA  
## decstr-63d30m00.60s NA  
## decstr-63d31m04.00s NA  
## decstr-63d33m56.34s NA  
## decstr-63d38m48.08s NA  
## decstr-63d39m20.49s NA  
## decstr-63d59m17.98s NA  
## decstr-64d01m20.46s NA  
## decstr-64d01m37.34s NA  
## decstr-64d37m12.98s NA  
## decstr-64d42m45.72s NA  
## decstr-65d11m10.77s NA  
## decstr-65d11m37.61s NA  
## decstr-65d26m58.92s NA  
## decstr-65d34m43.01s NA  
## decstr-65d38m46.77s NA  
## decstr-65d39m09.78s NA  
## decstr-65d49m33.02s NA  
## decstr-66d06m50.13s NA  
## decstr-66d11m19.30s NA  
## decstr-66d21m32.14s NA  
## decstr-66d28m04.02s NA  
## decstr-66d40m34.86s NA  
## decstr-66d41m11.87s NA  
## decstr-66d48m01.71s NA  
## decstr-67d15m55.30s NA  
## decstr-67d19m25.68s NA  
## decstr-67d38m49.15s NA  
## decstr-68d06m09.68s NA  
## decstr-68d18m52.08s NA  
## decstr-68d25m28.80s NA  
## decstr-68d45m46.76s NA  
## decstr-68d50m00.03s NA  
## decstr-69d13m35.73s NA  
## decstr-69d56m42.24s NA  
## decstr-70d01m28.27s NA  
## decstr-70d04m24.22s NA  
## decstr-70d08m17.66s NA  
## decstr-70d09m10.30s NA  
## decstr-70d29m06.26s NA  
## decstr-70d54m11.69s NA  
## decstr-71d21m41.87s NA  
## decstr-71d25m20.96s NA  
## decstr-71d52m36.74s NA  
## decstr-71d53m43.90s NA  
## decstr-72d19m18.92s NA  
## decstr-72d21m24.14s NA  
## decstr-72d48m16.71s NA  
## decstr-73d36m21.73s NA  
## decstr-73d41m59.33s NA  
## decstr-73d57m27.16s NA  
## decstr-74d24m36.26s NA  
## decstr-75d11m56.20s NA  
## decstr-75d20m57.26s NA  
## decstr-75d21m05.40s NA  
## decstr-75d32m39.37s NA  
## decstr-75d38m47.62s NA  
## decstr-76d18m14.52s NA  
## decstr-76d40m50.18s NA  
## decstr-77d20m19.69s NA  
## decstr-77d23m07.18s NA  
## decstr-77d23m27.91s NA  
## decstr-77d43m05.96s NA  
## decstr-78d01m25.26s NA  
## decstr-78d16m44.93s NA  
## decstr-79d51m05.12s NA  
## decstr-80d12m15.90s NA  
## decstr-80d27m52.57s NA  
## decstr-81d15m02.68s NA  
## decstr-81d27m15.39s NA  
## decstr-81d46m06.42s NA  
## decstr-82d01m38.97s NA  
## decstr-82d13m07.93s NA  
## decstr-83d44m37.56s NA  
## decstr-84d13m54.30s NA  
## decstr-86d58m47.87s NA  
## decstr-88d07m16.00s NA  
## decstr+00d06m16.09s NA  
## decstr+00d07m18.61s NA  
## decstr+00d13m36.82s NA  
## decstr+00d15m16.85s NA  
## decstr+00d18m24.08s NA  
## decstr+00d24m30.82s NA  
## decstr+00d26m40.94s NA  
## decstr+00d29m35.40s NA  
## decstr+00d36m12.95s NA  
## decstr+00d44m45.65s NA  
## decstr+00d45m31.77s NA  
## decstr+00d47m21.63s NA  
## decstr+00d47m57.44s NA  
## decstr+00d48m54.78s NA  
## decstr+00d53m46.60s NA  
## decstr+00d56m14.20s NA  
## decstr+01d03m54.08s NA  
## decstr+01d10m03.31s NA  
## decstr+01d12m01.84s NA  
## decstr+01d13m50.25s NA  
## decstr+01d17m09.12s NA  
## decstr+01d18m00.55s NA  
## decstr+01d23m01.19s NA  
## decstr+01d25m34.67s NA  
## decstr+01d32m31.20s NA  
## decstr+01d41m26.24s NA  
## decstr+01d43m44.43s NA  
## decstr+01d46m03.18s NA  
## decstr+01d51m32.79s NA  
## decstr+01d51m35.62s NA  
## decstr+01d53m37.81s NA  
## decstr+02d03m44.20s NA  
## decstr+02d05m04.04s NA  
## decstr+02d05m54.92s NA  
## decstr+02d11m46.69s NA  
## decstr+02d14m40.85s NA  
## decstr+02d20m06.10s NA  
## decstr+02d20m35.83s NA  
## decstr+02d22m15.79s NA  
## decstr+02d25m05.50s NA  
## decstr+02d25m52.58s NA  
## decstr+02d34m50.78s NA  
## decstr+02d35m38.84s NA  
## decstr+02d42m01.40s NA  
## decstr+02d42m10.02s NA  
## decstr+02d42m15.91s NA  
## decstr+02d45m36.39s NA  
## decstr+02d48m56.91s NA  
## decstr+02d49m15.57s NA  
## decstr+03d00m25.68s NA  
## decstr+03d05m45.28s NA  
## decstr+03d16m56.52s NA  
## decstr+03d17m38.22s NA  
## decstr+03d19m36.12s NA  
## decstr+03d20m13.79s NA  
## decstr+03d23m50.06s NA  
## decstr+03d28m27.17s NA  
## decstr+03d29m06.05s NA  
## decstr+03d42m38.04s NA  
## decstr+03d48m12.01s NA  
## decstr+03d51m59.41s NA  
## decstr+04d03m33.90s NA  
## decstr+04d15m53.76s NA  
## decstr+04d21m27.91s NA  
## decstr+04d22m50.60s NA  
## decstr+04d34m30.90s NA  
## decstr+04d34m38.04s NA  
## decstr+04d34m50.05s NA  
## decstr+04d37m56.54s NA  
## decstr+04d40m20.68s NA  
## decstr+04d47m13.30s NA  
## decstr+04d57m38.45s NA  
## decstr+05d09m47.38s NA  
## decstr+05d24m36.27s NA  
## decstr+05d27m45.03s NA  
## decstr+05d32m18.17s NA  
## decstr+05d34m25.29s NA  
## decstr+05d36m19.34s NA  
## decstr+05d42m02.97s NA  
## decstr+05d50m12.72s NA  
## decstr+05d54m10.32s NA  
## decstr+05d56m15.57s NA  
## decstr+05d56m50.51s NA  
## decstr+06d03m34.24s NA  
## decstr+06d05m49.50s NA  
## decstr+06d12m14.68s NA  
## decstr+06d12m57.97s NA  
## decstr+06d13m09.00s NA  
## decstr+06d20m49.31s NA  
## decstr+06d20m59.64s NA  
## decstr+06d24m25.71s NA  
## decstr+06d24m44.34s NA  
## decstr+06d25m45.59s NA  
## decstr+06d28m30.84s NA  
## decstr+06d28m46.45s NA  
## decstr+06d30m49.76s NA  
## decstr+06d33m49.62s NA  
## decstr+06d39m47.54s NA  
## decstr+06d46m55.11s NA  
## decstr+06d49m00.22s NA  
## decstr+06d50m09.36s NA  
## decstr+06d52m07.85s NA  
## decstr+06d56m44.46s NA  
## decstr+06d58m11.22s NA  
## decstr+07d03m22.61s NA  
## decstr+07d11m00.05s NA  
## decstr+07d11m00.15s NA  
## decstr+07d16m51.26s NA  
## decstr+07d21m09.78s NA  
## decstr+07d21m09.97s NA  
## decstr+07d26m06.28s NA  
## decstr+07d35m16.19s NA  
## decstr+07d50m42.18s NA  
## decstr+08d21m28.51s NA  
## decstr+08d27m39.98s NA  
## decstr+08d31m22.86s NA  
## decstr+08d38m34.39s NA  
## decstr+08d45m39.89s NA  
## decstr+09d10m44.65s NA  
## decstr+09d11m07.19s NA  
## decstr+09d44m43.57s NA  
## decstr+09d44m57.91s NA  
## decstr+09d59m52.73s NA  
## decstr+10d01m56.68s NA  
## decstr+10d02m17.16s NA  
## decstr+10d02m25.55s NA  
## decstr+10d07m43.85s NA  
## decstr+10d12m23.71s NA  
## decstr+10d14m47.68s NA  
## decstr+10d22m21.14s NA  
## decstr+10d27m46.58s NA  
## decstr+10d28m09.18s NA  
## decstr+10d35m49.91s NA  
## decstr+10d44m20.03s NA  
## decstr+10d47m40.94s NA  
## decstr+10d50m12.47s NA  
## decstr+10d50m20.90s NA  
## decstr+10d50m51.21s NA  
## decstr+10d56m01.04s NA  
## decstr+10d58m58.62s NA  
## decstr+11d03m22.23s NA  
## decstr+11d03m53.94s NA  
## decstr+11d12m41.65s NA  
## decstr+11d15m00.08s NA  
## decstr+11d15m05.93s NA  
## decstr+11d30m39.94s NA  
## decstr+11d33m45.49s NA  
## decstr+11d41m32.94s NA  
## decstr+11d41m42.25s NA  
## decstr+11d41m43.53s NA  
## decstr+11d45m13.38s NA  
## decstr+11d53m02.61s NA  
## decstr+11d55m08.66s NA  
## decstr+11d55m20.12s NA  
## decstr+11d58m25.26s NA  
## decstr+11d59m21.72s NA  
## decstr+12d08m21.65s NA  
## decstr+12d16m54.66s NA  
## decstr+12d21m07.24s NA  
## decstr+12d30m25.29s NA  
## decstr+12d37m15.38s NA  
## decstr+12d52m53.68s NA  
## decstr+12d57m35.89s NA  
## decstr+13d02m39.54s NA  
## decstr+13d13m59.00s NA  
## decstr+13d14m22.03s NA  
## decstr+13d21m58.72s NA  
## decstr+13d23m20.01s NA  
## decstr+13d31m09.07s NA  
## decstr+13d33m02.59s NA  
## decstr+13d46m34.71s NA  
## decstr+14d03m16.86s NA  
## decstr+14d07m26.47s NA  
## decstr+14d15m45.38s NA  
## decstr+14d22m04.33s NA  
## decstr+14d30m07.40s NA  
## decstr+14d36m58.75s NA  
## decstr+14d41m21.78s NA  
## decstr+15d14m51.73s NA  
## decstr+15d20m05.80s NA  
## decstr+15d23m28.35s NA  
## decstr+15d25m50.20s NA  
## decstr+15d32m48.30s NA  
## decstr+15d33m31.68s NA  
## decstr+15d39m21.23s NA  
## decstr+15d39m22.88s NA  
## decstr+15d40m50.17s NA  
## decstr+16d02m25.73s NA  
## decstr+16d25m10.26s NA  
## decstr+16d28m27.68s NA  
## decstr+16d29m39.39s NA  
## decstr+16d37m56.39s NA  
## decstr+16d45m43.73s NA  
## decstr+16d51m53.65s NA  
## decstr+16d52m03.70s NA  
## decstr+16d54m06.36s NA  
## decstr+16d54m45.24s NA  
## decstr+17d00m57.74s NA  
## decstr+17d05m08.59s NA  
## decstr+17d27m25.79s NA  
## decstr+17d27m37.92s NA  
## decstr+17d28m31.03s NA  
## decstr+17d33m58.57s NA  
## decstr+17d34m11.87s NA  
## decstr+17d34m45.58s NA  
## decstr+17d38m23.91s NA  
## decstr+17d47m35.71s NA  
## decstr+17d49m48.10s NA  
## decstr+17d53m41.93s NA  
## decstr+18d06m17.20s NA  
## decstr+18d11m08.62s NA  
## decstr+18d11m22.59s NA  
## decstr+18d14m06.94s NA  
## decstr+18d23m46.17s NA  
## decstr+18d27m53.82s NA  
## decstr+18d35m45.42s NA  
## decstr+18d38m44.71s NA  
## decstr+18d39m15.56s NA  
## decstr+18d43m47.83s NA  
## decstr+18d46m09.30s NA  
## decstr+18d53m03.27s NA  
## decstr+18d56m01.75s NA  
## decstr+18d57m12.09s NA  
## decstr+18d58m35.83s NA  
## decstr+19d01m12.57s NA  
## decstr+19d05m32.43s NA  
## decstr+19d07m11.88s NA  
## decstr+19d10m49.00s NA  
## decstr+19d16m37.05s NA  
## decstr+19d24m07.40s NA  
## decstr+19d33m30.26s NA  
## decstr+19d41m54.24s NA  
## decstr+19d46m25.39s NA  
## decstr+19d53m28.55s NA  
## decstr+19d56m13.20s NA  
## decstr+20d04m57.71s NA  
## decstr+20d06m21.63s NA  
## decstr+20d09m25.31s NA  
## decstr+20d13m36.54s NA  
## decstr+20d15m17.65s NA  
## decstr+20d17m32.33s NA  
## decstr+20d21m33.62s NA  
## decstr+20d21m52.59s NA  
## decstr+20d26m29.55s NA  
## decstr+20d26m54.21s NA  
## decstr+20d27m34.16s NA  
## decstr+20d29m29.49s NA  
## decstr+20d31m36.79s NA  
## decstr+20d35m56.47s NA  
## decstr+20d43m44.32s NA  
## decstr+20d46m08.74s NA  
## decstr+21d00m18.97s NA  
## decstr+21d05m49.67s NA  
## decstr+21d08m02.54s NA  
## decstr+21d14m23.72s NA  
## decstr+21d14m55.98s NA  
## decstr+21d16m52.78s NA  
## decstr+21d17m39.27s NA  
## decstr+21d17m54.69s NA  
## decstr+21d27m11.79s NA  
## decstr+21d32m53.52s NA  
## decstr+21d37m00.86s NA  
## decstr+21d53m40.87s NA  
## decstr+21d56m53.16s NA  
## decstr+22d09m09.41s NA  
## decstr+22d14m09.31s NA  
## decstr+22d17m57.66s NA  
## decstr+22d28m20.83s NA  
## decstr+22d42m35.19s NA  
## decstr+22d52m45.98s NA  
## decstr+22d52m57.24s NA  
## decstr+22d55m54.97s NA  
## decstr+23d03m20.47s NA  
## decstr+23d07m58.62s NA  
## decstr+23d22m29.57s NA  
## decstr+23d46m03.56s NA  
## decstr+23d56m17.59s NA  
## decstr+24d04m35.63s NA  
## decstr+24d07m38.09s NA  
## decstr+24d08m34.57s NA  
## decstr+24d12m17.00s NA  
## decstr+24d14m42.51s NA  
## decstr+24d20m10.03s NA  
## decstr+24d21m39.52s NA  
## decstr+24d24m05.96s NA  
## decstr+24d27m50.19s NA  
## decstr+24d38m52.84s NA  
## decstr+24d38m54.50s NA  
## decstr+24d53m21.40s NA  
## decstr+25d11m50.48s NA  
## decstr+25d24m48.83s NA  
## decstr+25d28m56.64s NA  
## decstr+25d34m23.29s NA  
## decstr+25d40m53.94s NA  
## decstr+25d42m38.15s NA  
## decstr+25d43m52.13s NA  
## decstr+25d44m31.10s NA  
## decstr+25d55m13.56s NA  
## decstr+26d00m24.17s NA  
## decstr+26d18m37.47s NA  
## decstr+26d19m39.65s NA  
## decstr+26d25m07.76s NA  
## decstr+26d25m35.78s NA  
## decstr+26d37m02.21s NA  
## decstr+26d41m33.63s NA  
## decstr+26d42m11.04s NA  
## decstr+26d44m34.46s NA  
## decstr+26d52m20.58s NA  
## decstr+26d52m39.42s NA  
## decstr+27d12m51.76s NA  
## decstr+27d15m07.86s NA  
## decstr+27d18m11.06s NA  
## decstr+27d21m47.28s NA  
## decstr+27d27m07.21s NA  
## decstr+27d28m13.49s NA  
## decstr+27d37m27.98s NA  
## decstr+28d05m59.92s NA  
## decstr+28d10m10.65s NA  
## decstr+28d18m23.60s NA  
## decstr+28d19m47.34s NA  
## decstr+28d22m57.77s NA  
## decstr+28d29m58.25s NA  
## decstr+28d33m57.66s NA  
## decstr+29d01m20.10s NA  
## decstr+29d03m58.35s NA  
## decstr+29d13m41.38s NA  
## decstr+29d15m53.71s NA  
## decstr+29d23m19.12s NA  
## decstr+29d34m21.61s NA  
## decstr+29d36m57.68s NA  
## decstr+29d40m20.16s NA  
## decstr+29d52m44.55s NA  
## decstr+29d53m40.35s NA  
## decstr+30d14m41.84s NA  
## decstr+30d17m11.75s NA  
## decstr+30d26m42.61s NA  
## decstr+30d29m17.48s NA  
## decstr+30d38m24.52s NA  
## decstr+30d40m24.17s NA  
## decstr+30d57m25.68s NA  
## decstr+30d57m27.53s NA  
## decstr+30d58m30.22s NA  
## decstr+31d09m21.28s NA  
## decstr+31d13m09.12s NA  
## decstr+31d27m45.90s NA  
## decstr+31d33m04.16s NA  
## decstr+31d33m14.33s NA  
## decstr+31d39m08.76s NA  
## decstr+31d39m39.67s NA  
## decstr+31d44m22.36s NA  
## decstr+31d47m15.07s NA  
## decstr+31d49m33.19s NA  
## decstr+31d51m37.58s NA  
## decstr+31d59m23.90s NA  
## decstr+32d05m02.56s NA  
## decstr+32d14m45.76s NA  
## decstr+32d18m59.24s NA  
## decstr+32d34m51.76s NA  
## decstr+32d48m38.52s NA  
## decstr+33d00m44.37s NA  
## decstr+33d03m24.08s NA  
## decstr+33d15m59.27s NA  
## decstr+33d18m00.67s NA  
## decstr+33d19m04.63s NA  
## decstr+33d21m17.74s NA  
## decstr+33d44m39.80s NA  
## decstr+33d50m06.08s NA  
## decstr+33d52m56.38s NA  
## decstr+33d54m17.39s NA  
## decstr+33d57m02.08s NA  
## decstr+34d08m03.02s NA  
## decstr+34d14m31.19s NA  
## decstr+34d25m08.36s NA  
## decstr+34d34m45.62s NA  
## decstr+34d36m02.51s NA  
## decstr+34d42m41.05s NA  
## decstr+34d43m42.25s NA  
## decstr+34d46m50.12s NA  
## decstr+34d54m52.80s NA  
## decstr+34d59m07.19s NA  
## decstr+35d24m29.21s NA  
## decstr+35d26m49.84s NA  
## decstr+35d27m16.58s NA  
## decstr+35d38m55.05s NA  
## decstr+35d39m21.17s NA  
## decstr+35d39m41.15s NA  
## decstr+36d12m46.64s NA  
## decstr+36d13m46.36s NA  
## decstr+36d17m46.66s NA  
## decstr+36d33m24.69s NA  
## decstr+36d33m47.27s NA  
## decstr+36d34m12.63s NA  
## decstr+36d34m38.44s NA  
## decstr+36d37m17.26s NA  
## decstr+36d37m57.13s NA  
## decstr+36d44m36.35s NA  
## decstr+36d47m13.11s NA  
## decstr+36d48m23.78s NA  
## decstr+36d48m55.78s NA  
## decstr+37d01m18.57s NA  
## decstr+37d03m33.33s NA  
## decstr+37d06m44.21s NA  
## decstr+37d08m26.14s NA  
## decstr+37d12m42.26s NA  
## decstr+37d13m16.34s NA  
## decstr+37d14m13.10s NA  
## decstr+37d15m09.57s NA  
## decstr+37d17m13.80s NA  
## decstr+37d17m20.76s NA  
## decstr+37d19m14.74s NA  
## decstr+37d21m18.57s NA  
## decstr+37d22m34.27s NA  
## decstr+37d22m34.54s NA  
## decstr+37d23m13.17s NA  
## decstr+37d24m40.84s NA  
## decstr+37d24m42.96s NA  
## decstr+37d31m44.28s NA  
## decstr+37d32m14.33s NA  
## decstr+37d32m46.78s NA  
## decstr+37d33m01.60s NA  
## decstr+37d34m04.06s NA  
## decstr+37d34m50.77s NA  
## decstr+37d36m33.26s NA  
## decstr+37d40m58.05s NA  
## decstr+37d41m19.72s NA  
## decstr+37d43m23.23s NA  
## decstr+37d44m57.94s NA  
## decstr+37d45m05.30s NA  
## decstr+37d45m32.43s NA  
## decstr+37d45m59.58s NA  
## decstr+37d46m11.54s NA  
## decstr+37d49m46.61s NA  
## decstr+37d50m06.20s NA  
## decstr+37d50m46.15s NA  
## decstr+37d51m05.96s NA  
## decstr+37d51m33.28s NA  
## decstr+37d51m36.60s NA  
## decstr+37d53m28.62s NA  
## decstr+37d54m08.52s NA  
## decstr+37d54m20.27s NA  
## decstr+37d56m04.45s NA  
## decstr+37d57m09.92s NA  
## decstr+37d57m20.42s NA  
## decstr+37d57m52.44s NA  
## decstr+37d58m01.01s NA  
## decstr+37d58m11.41s NA  
## decstr+37d58m16.95s NA  
## decstr+37d58m28.04s NA  
## decstr+37d59m49.45s NA  
## decstr+38d00m34.35s NA  
## decstr+38d00m50.59s NA  
## decstr+38d01m19.15s NA  
## decstr+38d02m08.90s NA  
## decstr+38d03m18.12s NA  
## decstr+38d03m27.19s NA  
## decstr+38d04m47.42s NA  
## decstr+38d05m17.15s NA  
## decstr+38d05m18.31s NA  
## decstr+38d06m52.74s NA  
## decstr+38d07m34.54s NA  
## decstr+38d07m38.85s NA  
## decstr+38d08m42.74s NA  
## decstr+38d11m03.07s NA  
## decstr+38d12m42.82s NA  
## decstr+38d12m59.62s NA  
## decstr+38d13m44.67s NA  
## decstr+38d13m59.12s NA  
## decstr+38d14m31.81s NA  
## decstr+38d15m05.91s NA  
## decstr+38d15m29.40s NA  
## decstr+38d15m44.05s NA  
## decstr+38d15m58.62s NA  
## decstr+38d16m01.19s NA  
## decstr+38d16m24.95s NA  
## decstr+38d17m40.95s NA  
## decstr+38d17m49.32s NA  
## decstr+38d18m34.64s NA  
## decstr+38d19m06.61s NA  
## decstr+38d20m24.04s NA  
## decstr+38d20m37.42s NA  
## decstr+38d20m44.00s NA  
## decstr+38d20m51.13s NA  
## decstr+38d21m19.70s NA  
## decstr+38d21m29.41s NA  
## decstr+38d21m47.38s NA  
## decstr+38d22m08.90s NA  
## decstr+38d22m29.54s NA  
## decstr+38d23m02.73s NA  
## decstr+38d23m36.38s NA  
## decstr+38d23m51.86s NA  
## decstr+38d23m58.43s NA  
## decstr+38d24m02.95s NA  
## decstr+38d24m18.87s NA  
## decstr+38d24m37.15s NA  
## decstr+38d25m22.51s NA  
## decstr+38d27m25.05s NA  
## decstr+38d27m29.55s NA  
## decstr+38d28m22.38s NA  
## decstr+38d28m37.98s NA  
## decstr+38d29m40.77s NA  
## decstr+38d29m42.87s NA  
## decstr+38d29m53.49s NA  
## decstr+38d30m53.65s NA  
## decstr+38d31m14.55s NA  
## decstr+38d31m19.14s NA  
## decstr+38d31m24.86s NA  
## decstr+38d32m23.48s NA  
## decstr+38d32m44.06s NA  
## decstr+38d32m54.77s NA  
## decstr+38d33m54.71s NA  
## decstr+38d34m22.48s NA  
## decstr+38d35m29.75s NA  
## decstr+38d36m40.00s NA  
## decstr+38d37m21.58s NA  
## decstr+38d38m13.34s NA  
## decstr+38d38m20.59s NA  
## decstr+38d38m40.02s NA  
## decstr+38d38m59.04s NA  
## decstr+38d39m15.13s NA  
## decstr+38d39m15.71s NA  
## decstr+38d39m21.40s NA  
## decstr+38d39m27.16s NA  
## decstr+38d40m20.32s NA  
## decstr+38d40m29.71s NA  
## decstr+38d41m27.62s NA  
## decstr+38d42m08.17s NA  
## decstr+38d42m36.80s NA  
## decstr+38d42m50.90s NA  
## decstr+38d43m41.78s NA  
## decstr+38d44m08.43s NA  
## decstr+38d44m08.65s NA  
## decstr+38d44m18.84s NA  
## decstr+38d44m25.08s NA  
## decstr+38d44m36.60s NA  
## decstr+38d45m14.70s NA  
## decstr+38d46m27.94s NA  
## decstr+38d46m46.38s NA  
## decstr+38d47m15.92s NA  
## decstr+38d47m25.67s NA  
## decstr+38d47m43.78s NA  
## decstr+38d48m21.02s NA  
## decstr+38d49m14.52s NA  
## decstr+38d51m23.73s NA  
## decstr+38d51m45.13s NA  
## decstr+38d51m47.84s NA  
## decstr+38d51m59.26s NA  
## decstr+38d52m19.96s NA  
## decstr+38d52m29.69s NA  
## decstr+38d52m32.18s NA  
## decstr+38d52m53.66s NA  
## decstr+38d53m31.02s NA  
## decstr+38d53m31.90s NA  
## decstr+38d53m40.22s NA  
## decstr+38d54m53.81s NA  
## decstr+38d55m20.52s NA  
## decstr+38d55m20.84s NA  
## decstr+38d55m40.61s NA  
## decstr+38d55m56.85s NA  
## decstr+38d56m12.32s NA  
## decstr+38d56m21.20s NA  
## decstr+38d56m33.83s NA  
## decstr+38d56m44.13s NA  
## decstr+38d56m44.96s NA  
## decstr+38d56m47.90s NA  
## decstr+38d56m50.15s NA  
## decstr+38d56m50.43s NA  
## decstr+38d57m36.28s NA  
## decstr+38d57m45.83s NA  
## decstr+38d58m00.89s NA  
## decstr+38d58m05.21s NA  
## decstr+38d59m48.81s NA  
## decstr+39d01m19.84s NA  
## decstr+39d01m45.94s NA  
## decstr+39d01m55.38s NA  
## decstr+39d02m10.72s NA  
## decstr+39d02m52.93s NA  
## decstr+39d03m06.44s NA  
## decstr+39d03m38.81s NA  
## decstr+39d04m25.43s NA  
## decstr+39d04m38.13s NA  
## decstr+39d05m09.51s NA  
## decstr+39d05m13.80s NA  
## decstr+39d05m40.09s NA  
## decstr+39d05m45.70s NA  
## decstr+39d05m53.23s NA  
## decstr+39d06m54.73s NA  
## decstr+39d07m15.38s NA  
## decstr+39d07m36.74s NA  
## decstr+39d07m38.52s NA  
## decstr+39d07m51.59s NA  
## decstr+39d08m30.03s NA  
## decstr+39d08m40.95s NA  
## decstr+39d09m11.85s NA  
## decstr+39d09m41.81s NA  
## decstr+39d10m23.75s NA  
## decstr+39d10m38.25s NA  
## decstr+39d12m05.05s NA  
## decstr+39d12m43.49s NA  
## decstr+39d12m44.78s NA  
## decstr+39d13m12.63s NA  
## decstr+39d13m14.19s NA  
## decstr+39d13m38.25s NA  
## decstr+39d13m49.90s NA  
## decstr+39d14m09.01s NA  
## decstr+39d14m25.83s NA  
## decstr+39d14m39.02s NA  
## decstr+39d14m57.02s NA  
## decstr+39d14m59.46s NA  
## decstr+39d15m10.15s NA  
## decstr+39d15m22.06s NA  
## decstr+39d15m27.89s NA  
## decstr+39d16m08.19s NA  
## decstr+39d16m13.29s NA  
## decstr+39d16m41.65s NA  
## decstr+39d16m48.25s NA  
## decstr+39d17m06.96s NA  
## decstr+39d17m22.70s NA  
## decstr+39d18m26.45s NA  
## decstr+39d18m30.04s NA  
## decstr+39d18m51.32s NA  
## decstr+39d18m57.36s NA  
## decstr+39d19m11.71s NA  
## decstr+39d19m57.71s NA  
## decstr+39d20m19.73s NA  
## decstr+39d20m20.75s NA  
## decstr+39d22m13.03s NA  
## decstr+39d22m14.90s NA  
## decstr+39d22m35.26s NA  
## decstr+39d22m46.09s NA  
## decstr+39d22m59.53s NA  
## decstr+39d23m01.66s NA  
## decstr+39d23m28.82s NA  
## decstr+39d23m47.80s NA  
## decstr+39d23m54.27s NA  
## decstr+39d24m12.26s NA  
## decstr+39d24m21.51s NA  
## decstr+39d25m03.25s NA  
## decstr+39d26m48.41s NA  
## decstr+39d26m48.58s NA  
## decstr+39d27m28.81s NA  
## decstr+39d27m38.17s NA  
## decstr+39d29m16.45s NA  
## decstr+39d31m11.41s NA  
## decstr+39d31m18.11s NA  
## decstr+39d31m22.34s NA  
## decstr+39d31m24.29s NA  
## decstr+39d31m37.29s NA  
## decstr+39d32m22.90s NA  
## decstr+39d33m00.41s NA  
## decstr+39d33m21.84s NA  
## decstr+39d33m49.31s NA  
## decstr+39d34m22.25s NA  
## decstr+39d35m41.11s NA  
## decstr+39d35m54.73s NA  
## decstr+39d36m13.04s NA  
## decstr+39d37m08.30s NA  
## decstr+39d37m51.31s NA  
## decstr+39d38m15.09s NA  
## decstr+39d38m21.41s NA  
## decstr+39d39m31.06s NA  
## decstr+39d39m56.89s NA  
## decstr+39d40m40.87s NA  
## decstr+39d40m59.26s NA  
## decstr+39d42m21.96s NA  
## decstr+39d42m29.54s NA  
## decstr+39d43m21.73s NA  
## decstr+39d43m55.19s NA  
## decstr+39d44m40.76s NA  
## decstr+39d46m04.29s NA  
## decstr+39d46m14.32s NA  
## decstr+39d46m17.31s NA  
## decstr+39d46m53.53s NA  
## decstr+39d47m01.85s NA  
## decstr+39d47m07.84s NA  
## decstr+39d49m00.87s NA  
## decstr+39d49m26.38s NA  
## decstr+39d49m30.16s NA  
## decstr+39d50m52.37s NA  
## decstr+39d51m17.29s NA  
## decstr+39d52m21.02s NA  
## decstr+39d52m38.04s NA  
## decstr+39d52m59.09s NA  
## decstr+39d53m11.42s NA  
## decstr+39d53m53.49s NA  
## decstr+39d54m28.42s NA  
## decstr+39d54m42.80s NA  
## decstr+39d54m43.87s NA  
## decstr+39d54m50.82s NA  
## decstr+39d55m01.24s NA  
## decstr+39d55m16.82s NA  
## decstr+39d56m02.00s NA  
## decstr+39d56m20.10s NA  
## decstr+39d56m32.63s NA  
## decstr+39d56m42.27s NA  
## decstr+39d56m56.49s NA  
## decstr+39d57m10.30s NA  
## decstr+39d57m24.81s NA  
## decstr+39d58m43.48s NA  
## decstr+39d59m52.54s NA  
## decstr+40d00m03.88s NA  
## decstr+40d00m30.55s NA  
## decstr+40d01m07.29s NA  
## decstr+40d01m39.64s NA  
## decstr+40d01m59.63s NA  
## decstr+40d03m18.49s NA  
## decstr+40d03m52.15s NA  
## decstr+40d05m12.91s NA  
## decstr+40d05m51.76s NA  
## decstr+40d07m31.53s NA  
## decstr+40d07m57.07s NA  
## decstr+40d08m13.08s NA  
## decstr+40d08m18.88s NA  
## decstr+40d08m32.14s NA  
## decstr+40d08m32.91s NA  
## decstr+40d08m34.03s NA  
## decstr+40d08m36.05s NA  
## decstr+40d08m39.83s NA  
## decstr+40d09m13.33s NA  
## decstr+40d09m46.22s NA  
## decstr+40d09m50.92s NA  
## decstr+40d11m03.45s NA  
## decstr+40d11m40.68s NA  
## decstr+40d12m41.12s NA  
## decstr+40d12m47.48s NA  
## decstr+40d13m15.44s NA  
## decstr+40d13m41.42s NA  
## decstr+40d13m45.60s NA  
## decstr+40d14m06.16s NA  
## decstr+40d14m10.50s NA  
## decstr+40d14m27.68s NA  
## decstr+40d14m42.72s NA  
## decstr+40d14m58.73s NA  
## decstr+40d16m11.34s NA  
## decstr+40d16m42.80s NA  
## decstr+40d16m59.71s NA  
## decstr+40d17m05.67s NA  
## decstr+40d17m15.78s NA  
## decstr+40d17m30.80s NA  
## decstr+40d17m35.06s NA  
## decstr+40d18m01.99s NA  
## decstr+40d18m40.33s NA  
## decstr+40d20m35.40s NA  
## decstr+40d20m37.32s NA  
## decstr+40d20m39.10s NA  
## decstr+40d20m46.52s NA  
## decstr+40d21m08.70s NA  
## decstr+40d21m18.81s NA  
## decstr+40d21m29.58s NA  
## decstr+40d21m46.39s NA  
## decstr+40d21m57.27s NA  
## decstr+40d21m57.69s NA  
## decstr+40d21m59.03s NA  
## decstr+40d22m30.11s NA  
## decstr+40d22m51.07s NA  
## decstr+40d23m16.60s NA  
## decstr+40d23m20.44s NA  
## decstr+40d23m51.75s NA  
## decstr+40d24m35.57s NA  
## decstr+40d25m03.51s NA  
## decstr+40d25m13.64s NA  
## decstr+40d25m18.34s NA  
## decstr+40d25m39.14s NA  
## decstr+40d25m49.78s NA  
## decstr+40d26m22.47s NA  
## decstr+40d28m39.91s NA  
## decstr+40d28m48.19s NA  
## decstr+40d29m26.25s NA  
## decstr+40d29m45.90s NA  
## decstr+40d31m15.23s NA  
## decstr+40d31m30.73s NA  
## decstr+40d31m50.63s NA  
## decstr+40d32m49.89s NA  
## decstr+40d32m54.20s NA  
## decstr+40d32m54.58s NA  
## decstr+40d33m10.10s NA  
## decstr+40d33m23.69s NA  
## decstr+40d33m26.76s NA  
## decstr+40d33m27.15s NA  
## decstr+40d33m44.99s NA  
## decstr+40d34m03.71s NA  
## decstr+40d34m07.95s NA  
## decstr+40d34m17.80s NA  
## decstr+40d34m20.54s NA  
## decstr+40d34m29.65s NA  
## decstr+40d34m38.32s NA  
## decstr+40d35m26.53s NA  
## decstr+40d35m30.52s NA  
## decstr+40d36m18.71s NA  
## decstr+40d36m57.80s NA  
## decstr+40d37m06.41s NA  
## decstr+40d38m16.13s NA  
## decstr+40d38m53.47s NA  
## decstr+40d39m04.63s NA  
## decstr+40d39m22.23s NA  
## decstr+40d39m47.99s NA  
## decstr+40d39m51.04s NA  
## decstr+40d40m04.45s NA  
## decstr+40d40m09.89s NA  
## decstr+40d40m14.76s NA  
## decstr+40d40m50.67s NA  
## decstr+40d40m53.85s NA  
## decstr+40d41m06.78s NA  
## decstr+40d41m31.47s NA  
## decstr+40d41m42.15s NA  
## decstr+40d41m47.76s NA  
## decstr+40d42m01.54s NA  
## decstr+40d42m09.85s NA  
## decstr+40d42m31.45s NA  
## decstr+40d43m11.39s NA  
## decstr+40d43m16.34s NA  
## decstr+40d43m20.02s NA  
## decstr+40d43m54.95s NA  
## decstr+40d44m24.15s NA  
## decstr+40d45m00.76s NA  
## decstr+40d45m02.49s NA  
## decstr+40d45m30.31s NA  
## decstr+40d45m50.85s NA  
## decstr+40d46m36.96s NA  
## decstr+40d46m42.74s NA  
## decstr+40d47m03.91s NA  
## decstr+40d47m34.04s NA  
## decstr+40d48m02.53s NA  
## decstr+40d48m24.44s NA  
## decstr+40d48m40.99s NA  
## decstr+40d49m20.57s NA  
## decstr+40d49m59.22s NA  
## decstr+40d50m19.61s NA  
## decstr+40d50m37.87s NA  
## decstr+40d51m01.78s NA  
## decstr+40d51m10.55s NA  
## decstr+40d51m24.88s NA  
## decstr+40d52m02.02s NA  
## decstr+40d52m07.44s NA  
## decstr+40d52m37.66s NA  
## decstr+40d53m15.65s NA  
## decstr+40d53m55.75s NA  
## decstr+40d53m56.58s NA  
## decstr+40d54m48.75s NA  
## decstr+40d54m58.46s NA  
## decstr+40d55m09.78s NA  
## decstr+40d55m59.42s NA  
## decstr+40d56m05.28s NA  
## decstr+40d56m10.29s NA  
## decstr+40d56m32.54s NA  
## decstr+40d56m56.18s NA  
## decstr+40d57m14.14s NA  
## decstr+40d58m38.12s NA  
## decstr+40d58m44.59s NA  
## decstr+40d58m47.53s NA  
## decstr+40d59m18.98s NA  
## decstr+40d59m25.47s NA  
## decstr+40d59m40.80s NA  
## decstr+41d00m39.67s NA  
## decstr+41d00m48.36s NA  
## decstr+41d01m18.61s NA  
## decstr+41d01m23.50s NA  
## decstr+41d01m40.87s NA  
## decstr+41d01m47.34s NA  
## decstr+41d02m08.70s NA  
## decstr+41d02m10.77s NA  
## decstr+41d02m16.85s NA  
## decstr+41d02m23.72s NA  
## decstr+41d02m25.83s NA  
## decstr+41d02m26.69s NA  
## decstr+41d02m28.51s NA  
## decstr+41d02m52.66s NA  
## decstr+41d03m25.32s NA  
## decstr+41d03m39.52s NA  
## decstr+41d03m49.84s NA  
## decstr+41d03m51.02s NA  
## decstr+41d04m10.23s NA  
## decstr+41d05m09.14s NA  
## decstr+41d05m23.04s NA  
## decstr+41d05m31.48s NA  
## decstr+41d05m50.34s NA  
## decstr+41d06m36.24s NA  
## decstr+41d06m41.02s NA  
## decstr+41d07m00.01s NA  
## decstr+41d07m49.02s NA  
## decstr+41d08m07.46s NA  
## decstr+41d08m15.23s NA  
## decstr+41d08m37.67s NA  
## decstr+41d09m02.85s NA  
## decstr+41d09m03.99s NA  
## decstr+41d09m04.28s NA  
## decstr+41d09m29.10s NA  
## decstr+41d10m58.13s NA  
## decstr+41d11m44.62s NA  
## decstr+41d11m46.84s NA  
## decstr+41d11m53.31s NA  
## decstr+41d12m03.94s NA  
## decstr+41d12m06.32s NA  
## decstr+41d12m13.03s NA  
## decstr+41d12m31.81s NA  
## decstr+41d13m17.74s NA  
## decstr+41d13m19.21s NA  
## decstr+41d13m28.06s NA  
## decstr+41d13m35.19s NA  
## decstr+41d13m44.17s NA  
## decstr+41d14m14.97s NA  
## decstr+41d14m27.98s NA  
## decstr+41d14m41.07s NA  
## decstr+41d15m20.62s NA  
## decstr+41d15m40.31s NA  
## decstr+41d16m22.08s NA  
## decstr+41d16m38.52s NA  
## decstr+41d16m45.01s NA  
## decstr+41d16m56.80s NA  
## decstr+41d17m42.74s NA  
## decstr+41d17m52.27s NA  
## decstr+41d17m56.56s NA  
## decstr+41d18m00.16s NA  
## decstr+41d18m06.29s NA  
## decstr+41d18m19.50s NA  
## decstr+41d18m20.06s NA  
## decstr+41d18m33.58s NA  
## decstr+41d19m04.67s NA  
## decstr+41d19m18.48s NA  
## decstr+41d19m52.91s NA  
## decstr+41d20m08.05s NA  
## decstr+41d20m08.43s NA  
## decstr+41d20m46.99s NA  
## decstr+41d21m19.83s NA  
## decstr+41d21m48.70s NA  
## decstr+41d21m54.06s NA  
## decstr+41d22m25.53s NA  
## decstr+41d22m37.80s NA  
## decstr+41d22m53.16s NA  
## decstr+41d23m05.08s NA  
## decstr+41d23m11.50s NA  
## decstr+41d23m17.05s NA  
## decstr+41d23m33.59s NA  
## decstr+41d23m37.81s NA  
## decstr+41d24m13.73s NA  
## decstr+41d24m28.05s NA  
## decstr+41d24m36.76s NA  
## decstr+41d25m00.62s NA  
## decstr+41d25m12.75s NA  
## decstr+41d25m29.35s NA  
## decstr+41d26m09.47s NA  
## decstr+41d26m27.68s NA  
## decstr+41d27m06.23s NA  
## decstr+41d27m08.53s NA  
## decstr+41d27m52.42s NA  
## decstr+41d28m17.59s NA  
## decstr+41d30m54.18s NA  
## decstr+41d31m23.97s NA  
## decstr+41d31m59.73s NA  
## decstr+41d32m00.92s NA  
## decstr+41d32m05.93s NA  
## decstr+41d32m28.32s NA  
## decstr+41d32m33.99s NA  
## decstr+41d32m50.92s NA  
## decstr+41d33m17.45s NA  
## decstr+41d33m29.09s NA  
## decstr+41d33m46.88s NA  
## decstr+41d33m56.80s NA  
## decstr+41d34m28.32s NA  
## decstr+41d34m30.66s NA  
## decstr+41d34m36.22s NA  
## decstr+41d35m20.10s NA  
## decstr+41d35m25.49s NA  
## decstr+41d36m10.46s NA  
## decstr+41d36m21.17s NA  
## decstr+41d36m54.39s NA  
## decstr+41d36m54.94s NA  
## decstr+41d37m01.95s NA  
## decstr+41d37m03.87s NA  
## decstr+41d37m46.76s NA  
## decstr+41d37m54.78s NA  
## decstr+41d37m57.58s NA  
## decstr+41d37m59.93s NA  
## decstr+41d38m08.16s NA  
## decstr+41d38m34.52s NA  
## decstr+41d38m40.72s NA  
## decstr+41d39m01.83s NA  
## decstr+41d39m42.21s NA  
## decstr+41d39m50.43s NA  
## decstr+41d40m42.92s NA  
## decstr+41d41m24.41s NA  
## decstr+41d41m56.53s NA  
## decstr+41d42m11.94s NA  
## decstr+41d42m23.18s NA  
## decstr+41d42m41.23s NA  
## decstr+41d43m37.00s NA  
## decstr+41d43m44.95s NA  
## decstr+41d43m48.55s NA  
## decstr+41d44m29.67s NA  
## decstr+41d44m33.72s NA  
## decstr+41d44m46.26s NA  
## decstr+41d45m20.14s NA  
## decstr+41d45m29.07s NA  
## decstr+41d45m29.97s NA  
## decstr+41d45m42.64s NA  
## decstr+41d46m33.53s NA  
## decstr+41d46m42.52s NA  
## decstr+41d46m53.92s NA  
## decstr+41d46m56.13s NA  
## decstr+41d47m13.07s NA  
## decstr+41d47m47.88s NA  
## decstr+41d48m30.30s NA  
## decstr+41d48m43.28s NA  
## decstr+41d49m18.62s NA  
## decstr+41d49m47.98s NA  
## decstr+41d50m01.83s NA  
## decstr+41d50m13.54s NA  
## decstr+41d51m39.37s NA  
## decstr+41d52m00.46s NA  
## decstr+41d52m18.51s NA  
## decstr+41d52m29.90s NA  
## decstr+41d52m40.59s NA  
## decstr+41d53m02.74s NA  
## decstr+41d53m04.86s NA  
## decstr+41d53m21.47s NA  
## decstr+41d53m28.03s NA  
## decstr+41d53m28.43s NA  
## decstr+41d53m34.14s NA  
## decstr+41d54m02.29s NA  
## decstr+41d54m32.79s NA  
## decstr+41d57m03.85s NA  
## decstr+41d57m08.47s NA  
## decstr+41d57m10.75s NA  
## decstr+41d58m00.98s NA  
## decstr+41d58m43.09s NA  
## decstr+41d59m20.25s NA  
## decstr+41d59m24.50s NA  
## decstr+41d59m37.93s NA  
## decstr+42d00m05.14s NA  
## decstr+42d00m09.08s NA  
## decstr+42d00m24.86s NA  
## decstr+42d00m53.21s NA  
## decstr+42d01m05.14s NA  
## decstr+42d01m24.11s NA  
## decstr+42d01m37.93s NA  
## decstr+42d02m02.26s NA  
## decstr+42d02m09.52s NA  
## decstr+42d02m25.81s NA  
## decstr+42d02m45.58s NA  
## decstr+42d03m40.84s NA  
## decstr+42d03m44.83s NA  
## decstr+42d04m13.21s NA  
## decstr+42d04m21.34s NA  
## decstr+42d04m32.17s NA  
## decstr+42d04m44.84s NA  
## decstr+42d05m07.12s NA  
## decstr+42d05m45.71s NA  
## decstr+42d06m57.52s NA  
## decstr+42d06m59.29s NA  
## decstr+42d07m54.26s NA  
## decstr+42d08m30.71s NA  
## decstr+42d08m32.22s NA  
## decstr+42d09m02.86s NA  
## decstr+42d09m56.56s NA  
## decstr+42d09m57.80s NA  
## decstr+42d09m59.44s NA  
## decstr+42d10m35.28s NA  
## decstr+42d10m49.70s NA  
## decstr+42d11m30.64s NA  
## decstr+42d11m41.36s NA  
## decstr+42d11m46.86s NA  
## decstr+42d11m52.35s NA  
## decstr+42d12m45.06s NA  
## decstr+42d12m47.41s NA  
## decstr+42d12m52.48s NA  
## decstr+42d13m19.56s NA  
## decstr+42d13m38.63s NA  
## decstr+42d13m59.80s NA  
## decstr+42d14m13.30s NA  
## decstr+42d14m14.01s NA  
## decstr+42d14m50.53s NA  
## decstr+42d14m51.33s NA  
## decstr+42d14m53.06s NA  
## decstr+42d15m09.51s NA  
## decstr+42d15m40.99s NA  
## decstr+42d15m54.17s NA  
## decstr+42d16m04.24s NA  
## decstr+42d17m11.59s NA  
## decstr+42d17m27.35s NA  
## decstr+42d17m56.01s NA  
## decstr+42d18m05.11s NA  
## decstr+42d19m12.21s NA  
## decstr+42d20m18.88s NA  
## decstr+42d20m29.43s NA  
## decstr+42d20m33.29s NA  
## decstr+42d21m00.55s NA  
## decstr+42d21m16.39s NA  
## decstr+42d21m20.08s NA  
## decstr+42d22m13.47s NA  
## decstr+42d22m42.37s NA  
## decstr+42d22m47.25s NA  
## decstr+42d22m49.11s NA  
## decstr+42d23m48.94s NA  
## decstr+42d24m23.37s NA  
## decstr+42d24m49.03s NA  
## decstr+42d25m20.31s NA  
## decstr+42d25m27.42s NA  
## decstr+42d25m58.64s NA  
## decstr+42d26m10.85s NA  
## decstr+42d26m14.16s NA  
## decstr+42d26m25.19s NA  
## decstr+42d26m25.38s NA  
## decstr+42d27m01.47s NA  
## decstr+42d27m03.95s NA  
## decstr+42d27m17.89s NA  
## decstr+42d27m34.65s NA  
## decstr+42d27m35.18s NA  
## decstr+42d27m44.87s NA  
## decstr+42d27m47.15s NA  
## decstr+42d27m49.73s NA  
## decstr+42d27m57.55s NA  
## decstr+42d28m16.42s NA  
## decstr+42d28m22.07s NA  
## decstr+42d28m31.15s NA  
## decstr+42d28m41.18s NA  
## decstr+42d28m51.64s NA  
## decstr+42d29m53.33s NA  
## decstr+42d30m58.30s NA  
## decstr+42d31m40.59s NA  
## decstr+42d32m05.89s NA  
## decstr+42d32m29.07s NA  
## decstr+42d32m33.63s NA  
## decstr+42d32m45.15s NA  
## decstr+42d33m18.81s NA  
## decstr+42d33m34.81s NA  
## decstr+42d34m34.43s NA  
## decstr+42d35m26.68s NA  
## decstr+42d35m47.02s NA  
## decstr+42d35m55.67s NA  
## decstr+42d36m15.05s NA  
## decstr+42d36m20.39s NA  
## decstr+42d36m34.04s NA  
## decstr+42d37m29.81s NA  
## decstr+42d37m34.01s NA  
## decstr+42d37m34.47s NA  
## decstr+42d38m09.79s NA  
## decstr+42d38m26.62s NA  
## decstr+42d38m53.75s NA  
## decstr+42d39m06.32s NA  
## decstr+42d39m09.63s NA  
## decstr+42d39m16.07s NA  
## decstr+42d39m21.81s NA  
## decstr+42d39m28.04s NA  
## decstr+42d39m31.80s NA  
## decstr+42d39m48.17s NA  
## decstr+42d39m57.00s NA  
## decstr+42d40m07.15s NA  
## decstr+42d40m53.45s NA  
## decstr+42d41m08.42s NA  
## decstr+42d41m46.07s NA  
## decstr+42d42m30.82s NA  
## decstr+42d43m14.10s NA  
## decstr+42d43m35.34s NA  
## decstr+42d43m39.85s NA  
## decstr+42d43m40.80s NA  
## decstr+42d44m34.59s NA  
## decstr+42d45m05.71s NA  
## decstr+42d45m24.59s NA  
## decstr+42d45m51.64s NA  
## decstr+42d46m05.84s NA  
## decstr+42d46m31.99s NA  
## decstr+42d46m40.14s NA  
## decstr+42d46m46.73s NA  
## decstr+42d46m55.07s NA  
## decstr+42d48m23.13s NA  
## decstr+42d48m24.16s NA  
## decstr+42d48m34.24s NA  
## decstr+42d48m42.27s NA  
## decstr+42d48m49.74s NA  
## decstr+42d49m20.49s NA  
## decstr+42d49m29.38s NA  
## decstr+42d49m32.01s NA  
## decstr+42d49m44.96s NA  
## decstr+42d50m23.34s NA  
## decstr+42d50m43.23s NA  
## decstr+42d51m17.61s NA  
## decstr+42d52m00.09s NA  
## decstr+42d52m02.97s NA  
## decstr+42d52m09.39s NA  
## decstr+42d52m50.80s NA  
## decstr+42d52m57.00s NA  
## decstr+42d52m58.27s NA  
## decstr+42d53m47.20s NA  
## decstr+42d53m53.62s NA  
## decstr+42d54m31.39s NA  
## decstr+42d54m34.06s NA  
## decstr+42d54m46.57s NA  
## decstr+42d55m43.90s NA  
## decstr+42d56m06.72s NA  
## decstr+42d56m36.14s NA  
## decstr+42d57m26.75s NA  
## decstr+42d57m50.00s NA  
## decstr+42d57m58.17s NA  
## decstr+42d58m39.86s NA  
## decstr+42d58m52.60s NA  
## decstr+43d00m32.04s NA  
## decstr+43d00m34.15s NA  
## decstr+43d00m44.77s NA  
## decstr+43d00m51.48s NA  
## decstr+43d01m33.80s NA  
## decstr+43d01m47.20s NA  
## decstr+43d02m13.34s NA  
## decstr+43d02m21.10s NA  
## decstr+43d02m21.76s NA  
## decstr+43d02m36.09s NA  
## decstr+43d02m39.85s NA  
## decstr+43d02m43.51s NA  
## decstr+43d03m00.14s NA  
## decstr+43d03m22.31s NA  
## decstr+43d04m23.62s NA  
## decstr+43d04m25.24s NA  
## decstr+43d04m28.62s NA  
## decstr+43d04m59.59s NA  
## decstr+43d05m01.91s NA  
## decstr+43d05m07.47s NA  
## decstr+43d07m18.32s NA  
## decstr+43d07m28.47s NA  
## decstr+43d08m29.85s NA  
## decstr+43d08m30.59s NA  
## decstr+43d08m52.98s NA  
## decstr+43d09m11.44s NA  
## decstr+43d09m21.58s NA  
## decstr+43d09m45.12s NA  
## decstr+43d10m06.62s NA  
## decstr+43d10m47.18s NA  
## decstr+43d11m19.68s NA  
## decstr+43d11m24.43s NA  
## decstr+43d11m50.12s NA  
## decstr+43d11m54.16s NA  
## decstr+43d12m33.64s NA  
## decstr+43d12m34.93s NA  
## decstr+43d12m57.64s NA  
## decstr+43d13m39.96s NA  
## decstr+43d13m57.72s NA  
## decstr+43d14m37.97s NA  
## decstr+43d14m38.71s NA  
## decstr+43d14m56.37s NA  
## decstr+43d15m38.71s NA  
## decstr+43d16m19.28s NA  
## decstr+43d16m21.88s NA  
## decstr+43d16m27.81s NA  
## decstr+43d16m47.52s NA  
## decstr+43d17m35.03s NA  
## decstr+43d19m13.83s NA  
## decstr+43d19m21.36s NA  
## decstr+43d19m58.84s NA  
## decstr+43d19m59.03s NA  
## decstr+43d20m08.20s NA  
## decstr+43d20m46.84s NA  
## decstr+43d21m16.52s NA  
## decstr+43d21m16.60s NA  
## decstr+43d21m48.51s NA  
## decstr+43d21m49.89s NA  
## decstr+43d21m50.67s NA  
## decstr+43d22m05.27s NA  
## decstr+43d22m05.50s NA  
## decstr+43d22m19.05s NA  
## decstr+43d22m42.20s NA  
## decstr+43d22m45.71s NA  
## decstr+43d23m01.40s NA  
## decstr+43d24m01.63s NA  
## decstr+43d24m11.59s NA  
## decstr+43d24m37.32s NA  
## decstr+43d24m41.60s NA  
## decstr+43d25m15.35s NA  
## decstr+43d25m31.57s NA  
## decstr+43d25m36.64s NA  
## decstr+43d25m57.14s NA  
## decstr+43d26m09.13s NA  
## decstr+43d26m27.79s NA  
## decstr+43d27m40.19s NA  
## decstr+43d28m16.96s NA  
## decstr+43d28m21.87s NA  
## decstr+43d29m35.20s NA  
## decstr+43d29m35.92s NA  
## decstr+43d29m51.31s NA  
## decstr+43d29m54.50s NA  
## decstr+43d29m59.23s NA  
## decstr+43d30m12.66s NA  
## decstr+43d30m53.66s NA  
## decstr+43d31m32.05s NA  
## decstr+43d31m38.21s NA  
## decstr+43d32m12.42s NA  
## decstr+43d32m15.23s NA  
## decstr+43d32m18.76s NA  
## decstr+43d33m20.89s NA  
## decstr+43d33m59.27s NA  
## decstr+43d34m52.89s NA  
## decstr+43d35m42.73s NA  
## decstr+43d36m20.20s NA  
## decstr+43d36m58.02s NA  
## decstr+43d37m45.28s NA  
## decstr+43d37m52.50s NA  
## decstr+43d38m37.64s NA  
## decstr+43d39m24.13s NA  
## decstr+43d39m30.98s NA  
## decstr+43d39m56.04s NA  
## decstr+43d40m14.60s NA  
## decstr+43d40m22.02s NA  
## decstr+43d40m51.46s NA  
## decstr+43d41m31.49s NA  
## decstr+43d42m10.94s NA  
## decstr+43d42m17.42s NA  
## decstr+43d42m39.80s NA  
## decstr+43d43m26.29s NA  
## decstr+43d43m55.42s NA  
## decstr+43d44m03.94s NA  
## decstr+43d44m19.68s NA  
## decstr+43d45m18.94s NA  
## decstr+43d45m48.50s NA  
## decstr+43d46m19.94s NA  
## decstr+43d46m27.58s NA  
## decstr+43d46m46.55s NA  
## decstr+43d47m18.13s NA  
## decstr+43d47m43.84s NA  
## decstr+43d48m10.06s NA  
## decstr+43d48m27.61s NA  
## decstr+43d48m51.41s NA  
## decstr+43d48m51.87s NA  
## decstr+43d48m58.90s NA  
## decstr+43d49m16.93s NA  
## decstr+43d49m22.09s NA  
## decstr+43d49m28.00s NA  
## decstr+43d49m31.61s NA  
## decstr+43d49m51.70s NA  
## decstr+43d49m55.22s NA  
## decstr+43d50m08.68s NA  
## decstr+43d50m28.30s NA  
## decstr+43d51m07.16s NA  
## decstr+43d51m11.56s NA  
## decstr+43d51m34.62s NA  
## decstr+43d51m36.69s NA  
## decstr+43d52m08.88s NA  
## decstr+43d52m24.15s NA  
## decstr+43d52m34.02s NA  
## decstr+43d52m52.22s NA  
## decstr+43d53m03.88s NA  
## decstr+43d53m17.15s NA  
## decstr+43d53m21.90s NA  
## decstr+43d53m23.81s NA  
## decstr+43d53m38.61s NA  
## decstr+43d53m47.38s NA  
## decstr+43d54m14.64s NA  
## decstr+43d54m39.12s NA  
## decstr+43d54m46.90s NA  
## decstr+43d54m48.81s NA  
## decstr+43d54m49.34s NA  
## decstr+43d54m54.24s NA  
## decstr+43d54m54.36s NA  
## decstr+43d55m08.36s NA  
## decstr+43d56m12.52s NA  
## decstr+43d56m56.92s NA  
## decstr+43d57m14.62s NA  
## decstr+43d57m17.96s NA  
## decstr+43d57m21.62s NA  
## decstr+43d57m30.54s NA  
## decstr+43d57m41.63s NA  
## decstr+43d57m47.06s NA  
## decstr+43d57m58.33s NA  
## decstr+43d58m48.88s NA  
## decstr+43d59m05.66s NA  
## decstr+43d59m08.48s NA  
## decstr+43d59m23.63s NA  
## decstr+43d59m52.87s NA  
## decstr+44d00m15.71s NA  
## decstr+44d00m31.08s NA  
## decstr+44d00m38.96s NA  
## decstr+44d01m29.03s NA  
## decstr+44d01m35.36s NA  
## decstr+44d01m36.93s NA  
## decstr+44d01m39.35s NA  
## decstr+44d01m43.22s NA  
## decstr+44d02m02.30s NA  
## decstr+44d02m06.14s NA  
## decstr+44d02m09.11s NA  
## decstr+44d02m34.29s NA  
## decstr+44d02m59.57s NA  
## decstr+44d03m44.90s NA  
## decstr+44d04m07.74s NA  
## decstr+44d04m39.67s NA  
## decstr+44d04m56.21s NA  
## decstr+44d05m14.61s NA  
## decstr+44d05m15.45s NA  
## decstr+44d05m16.09s NA  
## decstr+44d05m21.28s NA  
## decstr+44d05m28.54s NA  
## decstr+44d06m20.91s NA  
## decstr+44d06m25.28s NA  
## decstr+44d06m28.01s NA  
## decstr+44d06m37.92s NA  
## decstr+44d06m55.80s NA  
## decstr+44d07m00.30s NA  
## decstr+44d07m45.31s NA  
## decstr+44d07m56.46s NA  
## decstr+44d08m28.63s NA  
## decstr+44d08m30.52s NA  
## decstr+44d08m37.05s NA  
## decstr+44d08m44.75s NA  
## decstr+44d08m57.54s NA  
## decstr+44d08m59.83s NA  
## decstr+44d09m21.18s NA  
## decstr+44d09m33.66s NA  
## decstr+44d09m39.17s NA  
## decstr+44d09m58.33s NA  
## decstr+44d10m00.97s NA  
## decstr+44d10m15.38s NA  
## decstr+44d10m41.12s NA  
## decstr+44d10m45.94s NA  
## decstr+44d11m02.04s NA  
## decstr+44d12m30.40s NA  
## decstr+44d14m14.89s NA  
## decstr+44d14m44.90s NA  
## decstr+44d15m01.84s NA  
## decstr+44d15m35.23s NA  
## decstr+44d16m06.65s NA  
## decstr+44d16m27.56s NA  
## decstr+44d16m39.31s NA  
## decstr+44d17m02.47s NA  
## decstr+44d17m02.79s NA  
## decstr+44d17m32.96s NA  
## decstr+44d17m42.91s NA  
## decstr+44d18m05.58s NA  
## decstr+44d18m09.13s NA  
## decstr+44d18m18.24s NA  
## decstr+44d18m38.83s NA  
## decstr+44d18m43.79s NA  
## decstr+44d18m55.71s NA  
## decstr+44d19m30.82s NA  
## decstr+44d19m38.98s NA  
## decstr+44d20m15.18s NA  
## decstr+44d20m42.74s NA  
## decstr+44d20m43.56s NA  
## decstr+44d20m47.44s NA  
## decstr+44d22m13.93s NA  
## decstr+44d22m18.27s NA  
## decstr+44d22m52.47s NA  
## decstr+44d22m53.58s NA  
## decstr+44d23m13.35s NA  
## decstr+44d23m40.79s NA  
## decstr+44d23m52.41s NA  
## decstr+44d24m43.51s NA  
## decstr+44d24m44.03s NA  
## decstr+44d25m03.80s NA  
## decstr+44d25m19.75s NA  
## decstr+44d25m20.21s NA  
## decstr+44d25m30.86s NA  
## decstr+44d26m04.06s NA  
## decstr+44d26m07.06s NA  
## decstr+44d26m08.54s NA  
## decstr+44d26m53.71s NA  
## decstr+44d27m38.41s NA  
## decstr+44d27m55.46s NA  
## decstr+44d28m13.46s NA  
## decstr+44d28m39.83s NA  
## decstr+44d28m40.78s NA  
## decstr+44d28m44.51s NA  
## decstr+44d28m49.36s NA  
## decstr+44d29m17.38s NA  
## decstr+44d31m06.14s NA  
## decstr+44d31m07.40s NA  
## decstr+44d31m24.32s NA  
## decstr+44d31m32.97s NA  
## decstr+44d31m38.20s NA  
## decstr+44d31m44.57s NA  
## decstr+44d31m54.06s NA  
## decstr+44d32m45.26s NA  
## decstr+44d33m09.92s NA  
## decstr+44d33m20.73s NA  
## decstr+44d33m22.90s NA  
## decstr+44d33m23.06s NA  
## decstr+44d33m46.96s NA  
## decstr+44d34m02.93s NA  
## decstr+44d35m29.84s NA  
## decstr+44d36m20.25s NA  
## decstr+44d36m31.04s NA  
## decstr+44d36m31.12s NA  
## decstr+44d36m32.49s NA  
## decstr+44d36m35.43s NA  
## decstr+44d36m56.15s NA  
## decstr+44d37m02.52s NA  
## decstr+44d37m28.72s NA  
## decstr+44d37m56.30s NA  
## decstr+44d38m17.06s NA  
## decstr+44d38m29.53s NA  
## decstr+44d38m50.22s NA  
## decstr+44d39m11.62s NA  
## decstr+44d39m16.15s NA  
## decstr+44d39m52.66s NA  
## decstr+44d40m02.82s NA  
## decstr+44d40m19.83s NA  
## decstr+44d41m00.28s NA  
## decstr+44d41m17.74s NA  
## decstr+44d41m26.09s NA  
## decstr+44d41m38.05s NA  
## decstr+44d41m40.45s NA  
## decstr+44d41m59.96s NA  
## decstr+44d42m20.55s NA  
## decstr+44d42m29.76s NA  
## decstr+44d42m48.15s NA  
## decstr+44d43m57.61s NA  
## decstr+44d44m01.57s NA  
## decstr+44d44m13.42s NA  
## decstr+44d44m46.49s NA  
## decstr+44d45m03.65s NA  
## decstr+44d45m11.15s NA  
## decstr+44d45m23.60s NA  
## decstr+44d45m30.06s NA  
## decstr+44d45m46.63s NA  
## decstr+44d46m14.35s NA  
## decstr+44d46m18.79s NA  
## decstr+44d46m36.79s NA  
## decstr+44d46m46.51s NA  
## decstr+44d46m53.69s NA  
## decstr+44d46m58.29s NA  
## decstr+44d47m06.65s NA  
## decstr+44d47m34.02s NA  
## decstr+44d47m42.67s NA  
## decstr+44d47m51.50s NA  
## decstr+44d48m06.34s NA  
## decstr+44d48m41.62s NA  
## decstr+44d50m10.06s NA  
## decstr+44d50m17.42s NA  
## decstr+44d50m17.51s NA  
## decstr+44d50m22.08s NA  
## decstr+44d51m12.85s NA  
## decstr+44d51m28.31s NA  
## decstr+44d51m29.25s NA  
## decstr+44d52m07.92s NA  
## decstr+44d52m24.23s NA  
## decstr+44d52m25.59s NA  
## decstr+44d52m34.47s NA  
## decstr+44d53m14.45s NA  
## decstr+44d53m57.56s NA  
## decstr+44d54m00.21s NA  
## decstr+44d54m55.32s NA  
## decstr+44d55m00.30s NA  
## decstr+44d55m05.63s NA  
## decstr+44d55m15.61s NA  
## decstr+44d55m15.90s NA  
## decstr+44d55m23.72s NA  
## decstr+44d55m33.09s NA  
## decstr+44d55m38.25s NA  
## decstr+44d55m56.80s NA  
## decstr+44d55m57.15s NA  
## decstr+44d56m30.59s NA  
## decstr+44d57m21.78s NA  
## decstr+44d58m05.81s NA  
## decstr+44d58m57.16s NA  
## decstr+44d59m09.98s NA  
## decstr+44d59m32.75s NA  
## decstr+45d00m04.87s NA  
## decstr+45d00m27.87s NA  
## decstr+45d00m29.07s NA  
## decstr+45d01m00.89s NA  
## decstr+45d01m05.66s NA  
## decstr+45d02m03.90s NA  
## decstr+45d02m27.98s NA  
## decstr+45d02m56.50s NA  
## decstr+45d03m11.53s NA  
## decstr+45d03m12.11s NA  
## decstr+45d03m36.63s NA  
## decstr+45d03m56.14s NA  
## decstr+45d04m15.57s NA  
## decstr+45d04m26.72s NA  
## decstr+45d04m46.03s NA  
## decstr+45d04m51.98s NA  
## decstr+45d04m52.68s NA  
## decstr+45d05m02.66s NA  
## decstr+45d05m15.66s NA  
## decstr+45d06m09.68s NA  
## decstr+45d06m25.91s NA  
## decstr+45d06m52.33s NA  
## decstr+45d06m55.83s NA  
## decstr+45d08m11.85s NA  
## decstr+45d08m23.35s NA  
## decstr+45d08m24.30s NA  
## decstr+45d08m42.89s NA  
## decstr+45d09m05.49s NA  
## decstr+45d09m15.47s NA  
## decstr+45d09m31.40s NA  
## decstr+45d09m38.61s NA  
## decstr+45d10m19.99s NA  
## decstr+45d10m20.11s NA  
## decstr+45d10m45.07s NA  
## decstr+45d10m49.21s NA  
## decstr+45d11m31.88s NA  
## decstr+45d11m48.58s NA  
## decstr+45d11m54.01s NA  
## decstr+45d12m15.23s NA  
## decstr+45d12m31.76s NA  
## decstr+45d12m41.43s NA  
## decstr+45d12m49.27s NA  
## decstr+45d13m32.36s NA  
## decstr+45d13m38.23s NA  
## decstr+45d14m18.00s NA  
## decstr+45d14m33.16s NA  
## decstr+45d14m55.49s NA  
## decstr+45d15m29.10s NA  
## decstr+45d15m43.15s NA  
## decstr+45d16m27.13s NA  
## decstr+45d16m27.69s NA  
## decstr+45d17m24.99s NA  
## decstr+45d18m17.54s NA  
## decstr+45d18m21.90s NA  
## decstr+45d18m34.77s NA  
## decstr+45d18m55.52s NA  
## decstr+45d19m05.90s NA  
## decstr+45d19m23.14s NA  
## decstr+45d20m06.45s NA  
## decstr+45d20m12.84s NA  
## decstr+45d20m25.93s NA  
## decstr+45d20m33.64s NA  
## decstr+45d20m36.69s NA  
## decstr+45d21m02.58s NA  
## decstr+45d21m13.55s NA  
## decstr+45d22m03.99s NA  
## decstr+45d22m12.34s NA  
## decstr+45d22m15.50s NA  
## decstr+45d23m01.93s NA  
## decstr+45d23m03.60s NA  
## decstr+45d23m04.17s NA  
## decstr+45d23m16.23s NA  
## decstr+45d24m19.55s NA  
## decstr+45d24m28.32s NA  
## decstr+45d24m37.01s NA  
## decstr+45d24m51.36s NA  
## decstr+45d25m32.84s NA  
## decstr+45d25m42.95s NA  
## decstr+45d26m02.33s NA  
## decstr+45d26m07.41s NA  
## decstr+45d26m22.90s NA  
## decstr+45d26m26.01s NA  
## decstr+45d26m26.90s NA  
## decstr+45d27m26.43s NA  
## decstr+45d28m49.10s NA  
## decstr+45d29m43.18s NA  
## decstr+45d30m24.53s NA  
## decstr+45d32m43.96s NA  
## decstr+45d33m04.06s NA  
## decstr+45d33m22.24s NA  
## decstr+45d33m52.27s NA  
## decstr+45d34m43.83s NA  
## decstr+45d35m18.79s NA  
## decstr+45d35m31.50s NA  
## decstr+45d35m34.38s NA  
## decstr+45d35m47.34s NA  
## decstr+45d36m02.09s NA  
## decstr+45d36m03.33s NA  
## decstr+45d36m19.75s NA  
## decstr+45d37m23.46s NA  
## decstr+45d37m37.26s NA  
## decstr+45d38m03.52s NA  
## decstr+45d38m23.41s NA  
## decstr+45d39m18.19s NA  
## decstr+45d39m24.36s NA  
## decstr+45d39m48.30s NA  
## decstr+45d40m16.18s NA  
## decstr+45d41m00.41s NA  
## decstr+45d41m21.84s NA  
## decstr+45d42m15.83s NA  
## decstr+45d42m42.63s NA  
## decstr+45d42m57.15s NA  
## decstr+45d42m57.72s NA  
## decstr+45d43m10.40s NA  
## decstr+45d43m11.04s NA  
## decstr+45d44m05.28s NA  
## decstr+45d44m13.99s NA  
## decstr+45d44m20.68s NA  
## decstr+45d44m26.27s NA  
## decstr+45d44m44.17s NA  
## decstr+45d44m52.28s NA  
## decstr+45d45m41.58s NA  
## decstr+45d45m43.89s NA  
## decstr+45d46m41.16s NA  
## decstr+45d47m19.70s NA  
## decstr+45d48m08.01s NA  
## decstr+45d48m32.72s NA  
## decstr+45d48m45.97s NA  
## decstr+45d48m59.13s NA  
## decstr+45d49m03.09s NA  
## decstr+45d49m37.36s NA  
## decstr+45d49m38.72s NA  
## decstr+45d50m05.20s NA  
## decstr+45d50m34.63s NA  
## decstr+45d51m10.99s NA  
## decstr+45d51m58.07s NA  
## decstr+45d52m00.51s NA  
## decstr+45d52m11.85s NA  
## decstr+45d52m30.20s NA  
## decstr+45d54m52.94s NA  
## decstr+45d55m04.72s NA  
## decstr+45d55m27.19s NA  
## decstr+45d55m51.09s NA  
## decstr+45d57m00.40s NA  
## decstr+45d57m30.70s NA  
## decstr+45d58m05.81s NA  
## decstr+45d58m10.39s NA  
## decstr+45d58m15.76s NA  
## decstr+45d58m20.38s NA  
## decstr+45d58m24.00s NA  
## decstr+45d58m33.45s NA  
## decstr+45d58m36.35s NA  
## decstr+45d58m48.90s NA  
## decstr+45d58m53.92s NA  
## decstr+45d59m04.66s NA  
## decstr+45d59m06.50s NA  
## decstr+46d00m08.15s NA  
## decstr+46d00m18.61s NA  
## decstr+46d00m20.43s NA  
## decstr+46d00m50.31s NA  
## decstr+46d01m22.16s NA  
## decstr+46d01m23.75s NA  
## decstr+46d01m38.60s NA  
## decstr+46d01m41.01s NA  
## decstr+46d02m03.46s NA  
## decstr+46d02m29.95s NA  
## decstr+46d02m54.13s NA  
## decstr+46d03m06.85s NA  
## decstr+46d03m11.00s NA  
## decstr+46d03m27.31s NA  
## decstr+46d03m33.33s NA  
## decstr+46d03m38.91s NA  
## decstr+46d03m44.62s NA  
## decstr+46d03m49.99s NA  
## decstr+46d03m59.07s NA  
## decstr+46d04m00.21s NA  
## decstr+46d04m32.63s NA  
## decstr+46d04m50.05s NA  
## decstr+46d05m45.35s NA  
## decstr+46d05m50.49s NA  
## decstr+46d05m55.42s NA  
## decstr+46d07m03.36s NA  
## decstr+46d07m44.81s NA  
## decstr+46d07m51.04s NA  
## decstr+46d08m28.21s NA  
## decstr+46d09m53.25s NA  
## decstr+46d09m59.03s NA  
## decstr+46d10m19.70s NA  
## decstr+46d10m30.52s NA  
## decstr+46d10m51.35s NA  
## decstr+46d11m46.27s NA  
## decstr+46d11m54.48s NA  
## decstr+46d12m12.37s NA  
## decstr+46d13m26.24s NA  
## decstr+46d13m34.49s NA  
## decstr+46d13m36.08s NA  
## decstr+46d14m15.01s NA  
## decstr+46d14m41.94s NA  
## decstr+46d14m56.80s NA  
## decstr+46d15m09.64s NA  
## decstr+46d15m16.93s NA  
## decstr+46d15m52.93s NA  
## decstr+46d15m59.69s NA  
## decstr+46d16m25.46s NA  
## decstr+46d16m33.55s NA  
## decstr+46d16m34.04s NA  
## decstr+46d16m39.08s NA  
## decstr+46d17m23.12s NA  
## decstr+46d17m48.93s NA  
## decstr+46d18m38.38s NA  
## decstr+46d18m53.67s NA  
## decstr+46d18m59.73s NA  
## decstr+46d19m14.19s NA  
## decstr+46d19m16.92s NA  
## decstr+46d19m23.81s NA  
## decstr+46d19m27.63s NA  
## decstr+46d19m43.20s NA  
## decstr+46d19m44.30s NA  
## decstr+46d20m27.15s NA  
## decstr+46d20m49.98s NA  
## decstr+46d22m00.58s NA  
## decstr+46d22m18.11s NA  
## decstr+46d22m24.75s NA  
## decstr+46d22m38.20s NA  
## decstr+46d23m28.28s NA  
## decstr+46d23m32.34s NA  
## decstr+46d23m38.64s NA  
## decstr+46d23m40.02s NA  
## decstr+46d24m29.47s NA  
## decstr+46d24m48.25s NA  
## decstr+46d25m06.52s NA  
## decstr+46d25m44.98s NA  
## decstr+46d26m19.92s NA  
## decstr+46d26m27.54s NA  
## decstr+46d26m59.05s NA  
## decstr+46d27m13.18s NA  
## decstr+46d27m28.76s NA  
## decstr+46d28m14.15s NA  
## decstr+46d28m25.00s NA  
## decstr+46d28m51.68s NA  
## decstr+46d29m29.30s NA  
## decstr+46d29m33.61s NA  
## decstr+46d29m55.54s NA  
## decstr+46d29m56.84s NA  
## decstr+46d30m08.04s NA  
## decstr+46d30m58.25s NA  
## decstr+46d31m21.87s NA  
## decstr+46d32m10.05s NA  
## decstr+46d33m59.22s NA  
## decstr+46d34m04.44s NA  
## decstr+46d34m26.43s NA  
## decstr+46d34m27.69s NA  
## decstr+46d34m38.09s NA  
## decstr+46d34m44.89s NA  
## decstr+46d34m44.95s NA  
## decstr+46d34m55.99s NA  
## decstr+46d35m20.89s NA  
## decstr+46d35m25.63s NA  
## decstr+46d36m07.97s NA  
## decstr+46d36m12.42s NA  
## decstr+46d36m21.15s NA  
## decstr+46d36m54.17s NA  
## decstr+46d37m02.99s NA  
## decstr+46d37m05.65s NA  
## decstr+46d37m09.12s NA  
## decstr+46d37m35.01s NA  
## decstr+46d37m35.68s NA  
## decstr+46d38m24.60s NA  
## decstr+46d38m27.15s NA  
## decstr+46d38m33.89s NA  
## decstr+46d39m05.78s NA  
## decstr+46d39m34.48s NA  
## decstr+46d39m43.99s NA  
## decstr+46d39m58.38s NA  
## decstr+46d40m05.67s NA  
## decstr+46d40m14.34s NA  
## decstr+46d40m30.85s NA  
## decstr+46d40m30.86s NA  
## decstr+46d40m46.14s NA  
## decstr+46d41m15.82s NA  
## decstr+46d41m16.26s NA  
## decstr+46d41m22.82s NA  
## decstr+46d41m32.84s NA  
## decstr+46d41m34.24s NA  
## decstr+46d41m53.89s NA  
## decstr+46d42m48.27s NA  
## decstr+46d42m52.62s NA  
## decstr+46d43m04.04s NA  
## decstr+46d43m04.80s NA  
## decstr+46d43m12.74s NA  
## decstr+46d43m21.74s NA  
## decstr+46d43m33.90s NA  
## decstr+46d43m36.05s NA  
## decstr+46d43m46.87s NA  
## decstr+46d44m10.66s NA  
## decstr+46d44m27.96s NA  
## decstr+46d44m30.72s NA  
## decstr+46d44m36.73s NA  
## decstr+46d44m40.30s NA  
## decstr+46d44m47.59s NA  
## decstr+46d45m09.43s NA  
## decstr+46d45m45.33s NA  
## decstr+46d46m04.73s NA  
## decstr+46d46m05.33s NA  
## decstr+46d47m01.13s NA  
## decstr+46d47m22.75s NA  
## decstr+46d47m25.73s NA  
## decstr+46d47m37.09s NA  
## decstr+46d47m46.04s NA  
## decstr+46d48m46.68s NA  
## decstr+46d49m17.05s NA  
## decstr+46d49m26.39s NA  
## decstr+46d50m03.30s NA  
## decstr+46d50m06.81s NA  
## decstr+46d50m17.90s NA  
## decstr+46d50m19.74s NA  
## decstr+46d50m35.39s NA  
## decstr+46d51m09.84s NA  
## decstr+46d51m26.87s NA  
## decstr+46d51m31.74s NA  
## decstr+46d52m05.69s NA  
## decstr+46d52m15.20s NA  
## decstr+46d52m52.75s NA  
## decstr+46d53m44.25s NA  
## decstr+46d53m47.05s NA  
## decstr+46d53m57.32s NA  
## decstr+46d53m59.28s NA  
## decstr+46d54m15.22s NA  
## decstr+46d54m28.09s NA  
## decstr+46d54m42.42s NA  
## decstr+46d55m13.55s NA  
## decstr+46d55m42.51s NA  
## decstr+46d55m51.65s NA  
## decstr+46d56m15.89s NA  
## decstr+46d56m21.71s NA  
## decstr+46d56m30.82s NA  
## decstr+46d56m44.88s NA  
## decstr+46d56m45.11s NA  
## decstr+46d56m47.48s NA  
## decstr+46d57m13.95s NA  
## decstr+46d57m36.36s NA  
## decstr+46d57m41.08s NA  
## decstr+46d57m54.41s NA  
## decstr+46d57m57.43s NA  
## decstr+46d57m58.30s NA  
## decstr+46d58m03.46s NA  
## decstr+46d58m25.08s NA  
## decstr+46d59m10.64s NA  
## decstr+46d59m12.29s NA  
## decstr+46d59m14.42s NA  
## decstr+46d59m17.36s NA  
## decstr+46d59m22.81s NA  
## decstr+46d59m48.04s NA  
## decstr+46d59m53.81s NA  
## decstr+46d59m56.27s NA  
## decstr+47d00m47.00s NA  
## decstr+47d00m53.22s NA  
## decstr+47d00m59.47s NA  
## decstr+47d01m13.25s NA  
## decstr+47d01m36.53s NA  
## decstr+47d02m13.16s NA  
## decstr+47d02m32.98s NA  
## decstr+47d03m13.35s NA  
## decstr+47d03m46.86s NA  
## decstr+47d04m00.47s NA  
## decstr+47d04m32.96s NA  
## decstr+47d04m46.43s NA  
## decstr+47d05m07.79s NA  
## decstr+47d05m08.00s NA  
## decstr+47d05m53.50s NA  
## decstr+47d06m06.28s NA  
## decstr+47d06m45.66s NA  
## decstr+47d06m54.42s NA  
## decstr+47d07m02.65s NA  
## decstr+47d09m20.56s NA  
## decstr+47d09m26.50s NA  
## decstr+47d09m27.27s NA  
## decstr+47d09m50.23s NA  
## decstr+47d09m52.49s NA  
## decstr+47d10m15.36s NA  
## decstr+47d10m18.68s NA  
## decstr+47d10m28.02s NA  
## decstr+47d10m58.03s NA  
## decstr+47d11m17.52s NA  
## decstr+47d12m15.77s NA  
## decstr+47d12m25.66s NA  
## decstr+47d12m28.17s NA  
## decstr+47d13m03.17s NA  
## decstr+47d14m00.48s NA  
## decstr+47d14m48.92s NA  
## decstr+47d15m28.39s NA  
## decstr+47d15m40.12s NA  
## decstr+47d16m33.47s NA  
## decstr+47d16m46.14s NA  
## decstr+47d18m27.92s NA  
## decstr+47d19m40.52s NA  
## decstr+47d21m06.87s NA  
## decstr+47d21m27.15s NA  
## decstr+47d21m31.60s NA  
## decstr+47d22m04.28s NA  
## decstr+47d22m42.63s NA  
## decstr+47d22m53.54s NA  
## decstr+47d23m46.41s NA  
## decstr+47d23m55.04s NA  
## decstr+47d23m56.85s NA  
## decstr+47d24m22.56s NA  
## decstr+47d24m24.90s NA  
## decstr+47d24m49.30s NA  
## decstr+47d24m53.19s NA  
## decstr+47d25m32.37s NA  
## decstr+47d26m19.72s NA  
## decstr+47d26m53.25s NA  
## decstr+47d26m55.02s NA  
## decstr+47d27m19.76s NA  
## decstr+47d27m25.49s NA  
## decstr+47d27m47.05s NA  
## decstr+47d28m08.82s NA  
## decstr+47d28m38.47s NA  
## decstr+47d29m05.24s NA  
## decstr+47d29m19.05s NA  
## decstr+47d29m27.31s NA  
## decstr+47d29m28.69s NA  
## decstr+47d29m50.14s NA  
## decstr+47d30m34.88s NA  
## decstr+47d30m58.05s NA  
## decstr+47d31m35.56s NA  
## decstr+47d31m47.71s NA  
## decstr+47d33m07.11s NA  
## decstr+47d34m06.93s NA  
## decstr+47d34m22.96s NA  
## decstr+47d34m29.71s NA  
## decstr+47d34m42.20s NA  
## decstr+47d35m32.63s NA  
## decstr+47d35m37.79s NA  
## decstr+47d36m00.25s NA  
## decstr+47d36m18.01s NA  
## decstr+47d37m47.44s NA  
## decstr+47d38m13.74s NA  
## decstr+47d38m29.98s NA  
## decstr+47d39m00.41s NA  
## decstr+47d39m51.02s NA  
## decstr+47d40m43.91s NA  
## decstr+47d41m15.28s NA  
## decstr+47d41m20.07s NA  
## decstr+47d41m38.28s NA  
## decstr+47d41m51.57s NA  
## decstr+47d43m28.43s NA  
## decstr+47d43m33.27s NA  
## decstr+47d43m46.94s NA  
## decstr+47d43m53.77s NA  
## decstr+47d44m53.13s NA  
## decstr+47d45m05.33s NA  
## decstr+47d45m07.41s NA  
## decstr+47d45m34.09s NA  
## decstr+47d45m42.96s NA  
## decstr+47d46m22.47s NA  
## decstr+47d46m32.24s NA  
## decstr+47d47m07.10s NA  
## decstr+47d48m34.81s NA  
## decstr+47d48m37.75s NA  
## decstr+47d48m51.97s NA  
## decstr+47d48m53.95s NA  
## decstr+47d48m55.65s NA  
## decstr+47d50m04.41s NA  
## decstr+47d50m20.18s NA  
## decstr+47d50m54.52s NA  
## decstr+47d51m47.43s NA  
## decstr+47d51m49.34s NA  
## decstr+47d51m50.58s NA  
## decstr+47d52m23.70s NA  
## decstr+47d52m23.99s NA  
## decstr+47d52m42.33s NA  
## decstr+47d52m43.43s NA  
## decstr+47d52m48.75s NA  
## decstr+47d52m49.31s NA  
## decstr+47d52m51.45s NA  
## decstr+47d52m52.69s NA  
## decstr+47d53m02.91s NA  
## decstr+47d53m10.16s NA  
## decstr+47d53m14.81s NA  
## decstr+47d54m30.50s NA  
## decstr+47d55m17.30s NA  
## decstr+47d55m44.85s NA  
## decstr+47d56m00.83s NA  
## decstr+47d56m22.56s NA  
## decstr+47d56m47.88s NA  
## decstr+47d56m48.55s NA  
## decstr+47d56m51.21s NA  
## decstr+47d56m57.36s NA  
## decstr+47d57m42.89s NA  
## decstr+47d57m59.81s NA  
## decstr+47d58m10.35s NA  
## decstr+47d59m20.07s NA  
## decstr+48d00m07.91s NA  
## decstr+48d00m33.34s NA  
## decstr+48d01m04.41s NA  
## decstr+48d01m05.05s NA  
## decstr+48d01m42.83s NA  
## decstr+48d01m46.57s NA  
## decstr+48d02m05.41s NA  
## decstr+48d02m24.63s NA  
## decstr+48d03m15.76s NA  
## decstr+48d03m39.33s NA  
## decstr+48d03m54.93s NA  
## decstr+48d03m55.94s NA  
## decstr+48d03m59.38s NA  
## decstr+48d04m54.71s NA  
## decstr+48d04m56.83s NA  
## decstr+48d04m57.23s NA  
## decstr+48d05m39.70s NA  
## decstr+48d05m54.11s NA  
## decstr+48d06m27.95s NA  
## decstr+48d07m11.22s NA  
## decstr+48d07m34.53s NA  
## decstr+48d07m52.60s NA  
## decstr+48d08m30.03s NA  
## decstr+48d09m15.13s NA  
## decstr+48d09m54.55s NA  
## decstr+48d10m41.54s NA  
## decstr+48d10m53.03s NA  
## decstr+48d11m08.81s NA  
## decstr+48d12m30.66s NA  
## decstr+48d12m30.97s NA  
## decstr+48d13m09.62s NA  
## decstr+48d13m28.68s NA  
## decstr+48d13m34.33s NA  
## decstr+48d14m00.30s NA  
## decstr+48d14m23.89s NA  
## decstr+48d14m31.14s NA  
## decstr+48d14m39.61s NA  
## decstr+48d14m55.92s NA  
## decstr+48d15m04.13s NA  
## decstr+48d15m25.31s NA  
## decstr+48d15m28.19s NA  
## decstr+48d15m33.24s NA  
## decstr+48d16m04.05s NA  
## decstr+48d16m15.43s NA  
## decstr+48d16m20.22s NA  
## decstr+48d16m37.62s NA  
## decstr+48d16m53.00s NA  
## decstr+48d17m09.30s NA  
## decstr+48d17m39.25s NA  
## decstr+48d18m03.08s NA  
## decstr+48d18m08.44s NA  
## decstr+48d18m26.23s NA  
## decstr+48d18m44.02s NA  
## decstr+48d19m13.28s NA  
## decstr+48d19m57.15s NA  
## decstr+48d20m09.32s NA  
## decstr+48d20m09.93s NA  
## decstr+48d20m42.20s NA  
## decstr+48d20m59.27s NA  
## decstr+48d21m18.89s NA  
## decstr+48d22m24.49s NA  
## decstr+48d22m32.83s NA  
## decstr+48d23m15.64s NA  
## decstr+48d23m26.91s NA  
## decstr+48d24m05.92s NA  
## decstr+48d24m24.36s NA  
## decstr+48d24m57.52s NA  
## decstr+48d25m06.90s NA  
## decstr+48d25m26.01s NA  
## decstr+48d25m53.72s NA  
## decstr+48d25m54.22s NA  
## decstr+48d26m07.17s NA  
## decstr+48d26m36.45s NA  
## decstr+48d26m40.53s NA  
## decstr+48d26m43.77s NA  
## decstr+48d28m42.84s NA  
## decstr+48d28m52.91s NA  
## decstr+48d29m39.78s NA  
## decstr+48d29m43.87s NA  
## decstr+48d30m20.89s NA  
## decstr+48d30m39.86s NA  
## decstr+48d30m55.42s NA  
## decstr+48d31m16.77s NA  
## decstr+48d31m28.09s NA  
## decstr+48d32m39.23s NA  
## decstr+48d32m56.62s NA  
## decstr+48d33m09.48s NA  
## decstr+48d33m33.60s NA  
## decstr+48d33m35.58s NA  
## decstr+48d33m38.48s NA  
## decstr+48d34m31.31s NA  
## decstr+48d34m38.82s NA  
## decstr+48d34m49.88s NA  
## decstr+48d35m59.01s NA  
## decstr+48d36m10.19s NA  
## decstr+48d36m22.69s NA  
## decstr+48d37m07.31s NA  
## decstr+48d37m35.05s NA  
## decstr+48d38m20.37s NA  
## decstr+48d38m42.92s NA  
## decstr+48d39m04.22s NA  
## decstr+48d39m55.25s NA  
## decstr+48d40m24.04s NA  
## decstr+48d40m59.68s NA  
## decstr+48d41m00.77s NA  
## decstr+48d41m37.71s NA  
## decstr+48d42m05.19s NA  
## decstr+48d42m22.19s NA  
## decstr+48d43m10.51s NA  
## decstr+48d43m30.97s NA  
## decstr+48d43m40.02s NA  
## decstr+48d44m39.37s NA  
## decstr+48d45m32.88s NA  
## decstr+48d45m45.15s NA  
## decstr+48d46m12.04s NA  
## decstr+48d46m26.27s NA  
## decstr+48d46m31.44s NA  
## decstr+48d46m39.42s NA  
## decstr+48d47m29.73s NA  
## decstr+48d47m30.69s NA  
## decstr+48d48m07.64s NA  
## decstr+48d48m24.11s NA  
## decstr+48d48m34.55s NA  
## decstr+48d48m41.80s NA  
## decstr+48d49m08.30s NA  
## decstr+48d49m11.39s NA  
## decstr+48d49m21.80s NA  
## decstr+48d49m29.97s NA  
## decstr+48d49m31.19s NA  
## decstr+48d49m54.20s NA  
## decstr+48d50m48.90s NA  
## decstr+48d52m52.35s NA  
## decstr+48d53m05.04s NA  
## decstr+48d53m59.45s NA  
## decstr+48d55m00.26s NA  
## decstr+48d55m01.77s NA  
## decstr+48d55m48.21s NA  
## decstr+48d58m05.40s NA  
## decstr+48d58m17.17s NA  
## decstr+48d58m38.31s NA  
## decstr+48d58m55.94s NA  
## decstr+48d58m56.35s NA  
## decstr+48d59m45.67s NA  
## decstr+48d59m46.14s NA  
## decstr+49d00m45.75s NA  
## decstr+49d01m02.26s NA  
## decstr+49d01m08.86s NA  
## decstr+49d02m24.77s NA  
## decstr+49d02m41.34s NA  
## decstr+49d02m45.64s NA  
## decstr+49d03m26.81s NA  
## decstr+49d03m41.96s NA  
## decstr+49d03m53.56s NA  
## decstr+49d04m04.74s NA  
## decstr+49d05m03.97s NA  
## decstr+49d06m08.31s NA  
## decstr+49d06m22.29s NA  
## decstr+49d06m36.99s NA  
## decstr+49d08m24.11s NA  
## decstr+49d08m24.40s NA  
## decstr+49d08m33.48s NA  
## decstr+49d09m17.04s NA  
## decstr+49d09m30.95s NA  
## decstr+49d09m43.25s NA  
## decstr+49d10m58.42s NA  
## decstr+49d11m24.62s NA  
## decstr+49d11m26.68s NA  
## decstr+49d12m08.93s NA  
## decstr+49d12m13.41s NA  
## decstr+49d12m31.35s NA  
## decstr+49d12m44.83s NA  
## decstr+49d13m54.51s NA  
## decstr+49d13m58.62s NA  
## decstr+49d14m14.71s NA  
## decstr+49d15m14.21s NA  
## decstr+49d15m22.76s NA  
## decstr+49d15m22.97s NA  
## decstr+49d15m32.14s NA  
## decstr+49d15m40.66s NA  
## decstr+49d15m42.00s NA  
## decstr+49d15m43.47s NA  
## decstr+49d16m38.18s NA  
## decstr+49d18m06.60s NA  
## decstr+49d18m18.45s NA  
## decstr+49d18m20.31s NA  
## decstr+49d18m50.74s NA  
## decstr+49d18m59.12s NA  
## decstr+49d18m59.55s NA  
## decstr+49d19m33.13s NA  
## decstr+49d19m48.31s NA  
## decstr+49d19m51.52s NA  
## decstr+49d21m14.01s NA  
## decstr+49d21m32.26s NA  
## decstr+49d22m00.46s NA  
## decstr+49d22m41.06s NA  
## decstr+49d22m47.36s NA  
## decstr+49d24m22.67s NA  
## decstr+49d24m45.15s NA  
## decstr+49d25m00.83s NA  
## decstr+49d25m07.43s NA  
## decstr+49d26m14.14s NA  
## decstr+49d27m03.37s NA  
## decstr+49d27m08.73s NA  
## decstr+49d27m42.40s NA  
## decstr+49d28m24.44s NA  
## decstr+49d28m45.31s NA  
## decstr+49d28m47.82s NA  
## decstr+49d28m51.06s NA  
## decstr+49d29m05.88s NA  
## decstr+49d29m31.40s NA  
## decstr+49d31m24.22s NA  
## decstr+49d31m57.66s NA  
## decstr+49d31m59.34s NA  
## decstr+49d32m24.53s NA  
## decstr+49d32m53.81s NA  
## decstr+49d33m43.78s NA  
## decstr+49d34m45.93s NA  
## decstr+49d35m12.98s NA  
## decstr+49d35m15.42s NA  
## decstr+49d35m20.56s NA  
## decstr+49d35m41.85s NA  
## decstr+49d35m54.40s NA  
## decstr+49d37m24.23s NA  
## decstr+49d37m35.35s NA  
## decstr+49d38m13.56s NA  
## decstr+49d38m16.05s NA  
## decstr+49d38m56.74s NA  
## decstr+49d39m10.94s NA  
## decstr+49d39m12.66s NA  
## decstr+49d39m49.92s NA  
## decstr+49d40m00.67s NA  
## decstr+49d40m59.31s NA  
## decstr+49d41m32.43s NA  
## decstr+49d41m46.23s NA  
## decstr+49d42m24.33s NA  
## decstr+49d43m39.90s NA  
## decstr+49d43m47.81s NA  
## decstr+49d43m52.40s NA  
## decstr+49d44m13.75s NA  
## decstr+49d44m19.25s NA  
## decstr+49d44m38.91s NA  
## decstr+49d45m43.29s NA  
## decstr+49d45m54.17s NA  
## decstr+49d46m10.93s NA  
## decstr+49d46m28.25s NA  
## decstr+49d46m33.19s NA  
## decstr+49d46m52.48s NA  
## decstr+49d47m19.35s NA  
## decstr+49d47m28.08s NA  
## decstr+49d47m51.17s NA  
## decstr+49d48m02.36s NA  
## decstr+49d48m05.86s NA  
## decstr+49d49m32.19s NA  
## decstr+49d49m46.28s NA  
## decstr+49d50m40.74s NA  
## decstr+49d51m39.81s NA  
## decstr+49d51m54.55s NA  
## decstr+49d52m20.94s NA  
## decstr+49d53m39.19s NA  
## decstr+49d53m47.62s NA  
## decstr+49d54m54.08s NA  
## decstr+49d55m23.52s NA  
## decstr+49d55m25.73s NA  
## decstr+49d56m10.17s NA  
## decstr+49d56m15.53s NA  
## decstr+49d56m15.98s NA  
## decstr+49d56m20.02s NA  
## decstr+49d56m34.31s NA  
## decstr+49d56m44.94s NA  
## decstr+49d57m43.64s NA  
## decstr+49d58m06.76s NA  
## decstr+49d58m32.66s NA  
## decstr+49d58m54.30s NA  
## decstr+49d59m41.35s NA  
## decstr+50d01m12.22s NA  
## decstr+50d01m48.24s NA  
## decstr+50d02m14.35s NA  
## decstr+50d02m25.32s NA  
## decstr+50d03m14.60s NA  
## decstr+50d04m31.41s NA  
## decstr+50d04m32.07s NA  
## decstr+50d04m37.86s NA  
## decstr+50d04m51.47s NA  
## decstr+50d05m44.81s NA  
## decstr+50d06m43.34s NA  
## decstr+50d07m18.61s NA  
## decstr+50d07m41.62s NA  
## decstr+50d07m43.36s NA  
## decstr+50d07m52.24s NA  
## decstr+50d08m08.78s NA  
## decstr+50d08m48.09s NA  
## decstr+50d08m58.88s NA  
## decstr+50d11m18.12s NA  
## decstr+50d13m00.86s NA  
## decstr+50d13m30.53s NA  
## decstr+50d13m49.25s NA  
## decstr+50d14m29.34s NA  
## decstr+50d14m32.53s NA  
## decstr+50d16m30.75s NA  
## decstr+50d17m14.51s NA  
## decstr+50d18m00.82s NA  
## decstr+50d18m29.03s NA  
## decstr+50d19m17.66s NA  
## decstr+50d20m11.46s NA  
## decstr+50d21m11.73s NA  
## decstr+50d22m20.22s NA  
## decstr+50d22m34.72s NA  
## decstr+50d24m32.57s NA  
## decstr+50d25m37.38s NA  
## decstr+50d27m39.31s NA  
## decstr+50d28m12.16s NA  
## decstr+50d28m42.96s NA  
## decstr+50d29m40.23s NA  
## decstr+50d29m54.21s NA  
## decstr+50d30m09.93s NA  
## decstr+50d31m00.57s NA  
## decstr+50d31m54.65s NA  
## decstr+50d33m33.25s NA  
## decstr+50d34m04.09s NA  
## decstr+50d34m04.20s NA  
## decstr+50d34m52.86s NA  
## decstr+50d35m01.89s NA  
## decstr+50d35m10.33s NA  
## decstr+50d35m44.10s NA  
## decstr+50d35m49.24s NA  
## decstr+50d35m54.42s NA  
## decstr+50d36m13.60s NA  
## decstr+50d37m05.45s NA  
## decstr+50d37m17.25s NA  
## decstr+50d40m13.41s NA  
## decstr+50d40m20.32s NA  
## decstr+50d40m22.85s NA  
## decstr+50d41m55.58s NA  
## decstr+50d43m31.39s NA  
## decstr+50d43m37.26s NA  
## decstr+50d45m34.41s NA  
## decstr+50d47m13.43s NA  
## decstr+50d47m20.27s NA  
## decstr+50d51m48.37s NA  
## decstr+50d54m10.22s NA  
## decstr+50d54m35.11s NA  
## decstr+50d56m15.22s NA  
## decstr+50d56m39.06s NA  
## decstr+50d56m39.11s NA  
## decstr+50d59m38.83s NA  
## decstr+51d00m48.69s NA  
## decstr+51d02m28.08s NA  
## decstr+51d03m26.44s NA  
## decstr+51d03m38.18s NA  
## decstr+51d04m54.94s NA  
## decstr+51d07m18.21s NA  
## decstr+51d08m39.28s NA  
## decstr+51d09m15.20s NA  
## decstr+51d09m44.72s NA  
## decstr+51d11m05.15s NA  
## decstr+51d12m10.80s NA  
## decstr+51d12m31.01s NA  
## decstr+51d12m32.54s NA  
## decstr+51d13m21.88s NA  
## decstr+51d14m08.90s NA  
## decstr+51d14m14.66s NA  
## decstr+51d14m53.38s NA  
## decstr+51d14m59.82s NA  
## decstr+51d15m00.87s NA  
## decstr+51d16m08.84s NA  
## decstr+51d16m16.60s NA  
## decstr+51d16m32.32s NA  
## decstr+51d16m37.17s NA  
## decstr+51d17m19.60s NA  
## decstr+51d18m14.01s NA  
## decstr+51d19m10.04s NA  
## decstr+51d19m15.26s NA  
## decstr+51d20m05.36s NA  
## decstr+51d20m52.36s NA  
## decstr+51d21m16.04s NA  
## decstr+51d21m29.50s NA  
## decstr+51d22m33.41s NA  
## decstr+51d24m32.38s NA  
## decstr+51d28m21.97s NA  
## decstr+51d28m42.01s NA  
## decstr+51d29m54.17s NA  
## decstr+51d30m17.16s NA  
## decstr+51d41m08.56s NA  
## decstr+51d41m44.78s NA  
## decstr+51d44m14.49s NA  
## decstr+51d45m26.02s NA  
## decstr+51d46m43.59s NA  
## decstr+51d54m17.47s NA  
## decstr+52d03m14.12s NA  
## decstr+52d04m12.75s NA  
## decstr+52d08m56.78s NA  
## decstr+52d16m36.22s NA  
## decstr+52d41m00.68s NA  
## decstr+52d56m38.92s NA  
## decstr+53d01m16.59s NA  
## decstr+53d22m51.46s NA  
## decstr+53d30m32.49s NA  
## decstr+53d34m05.53s NA  
## decstr+53d43m41.48s NA  
## decstr+53d55m19.74s NA  
## decstr+53d57m02.97s NA  
## decstr+54d17m15.43s NA  
## decstr+54d18m12.10s NA  
## decstr+54d24m32.30s NA  
## decstr+54d29m10.15s NA  
## decstr+54d51m04.37s NA  
## decstr+54d53m41.34s NA  
## decstr+55d01m11.93s NA  
## decstr+55d28m22.90s NA  
## decstr+55d35m16.88s NA  
## decstr+55d51m02.40s NA  
## decstr+56d01m32.55s NA  
## decstr+56d23m32.89s NA  
## decstr+56d39m02.44s NA  
## decstr+56d41m53.62s NA  
## decstr+56d43m49.08s NA  
## decstr+56d52m05.77s NA  
## decstr+56d53m13.71s NA  
## decstr+57d01m46.13s NA  
## decstr+57d10m10.65s NA  
## decstr+57d38m26.37s NA  
## decstr+57d49m01.95s NA  
## decstr+58d02m35.60s NA  
## decstr+58d09m40.23s NA  
## decstr+58d16m05.19s NA  
## decstr+58d16m32.02s NA  
## decstr+58d25m34.13s NA  
## decstr+58d57m58.11s NA  
## decstr+59d15m13.97s NA  
## decstr+59d24m45.01s NA  
## decstr+59d26m39.38s NA  
## decstr+59d26m56.05s NA  
## decstr+59d29m30.61s NA  
## decstr+60d40m34.67s NA  
## decstr+60d57m50.83s NA  
## decstr+61d08m05.97s NA  
## decstr+61d12m48.19s NA  
## decstr+61d27m39.07s NA  
## decstr+61d40m45.65s NA  
## decstr+61d42m05.42s NA  
## decstr+61d58m12.38s NA  
## decstr+62d14m21.09s NA  
## decstr+62d18m19.37s NA  
## decstr+62d20m43.58s NA  
## decstr+62d31m45.08s NA  
## decstr+62d45m13.74s NA  
## decstr+62d47m09.42s NA  
## decstr+63d04m41.08s NA  
## decstr+63d09m20.21s NA  
## decstr+63d21m10.02s NA  
## decstr+63d27m13.95s NA  
## decstr+63d36m37.18s NA  
## decstr+63d40m12.02s NA  
## decstr+64d01m56.75s NA  
## decstr+64d19m06.15s NA  
## decstr+64d19m40.98s NA  
## decstr+64d47m49.75s NA  
## decstr+64d57m49.84s NA  
## decstr+65d09m44.39s NA  
## decstr+65d33m48.11s NA  
## decstr+65d35m39.08s NA  
## decstr+65d36m31.62s NA  
## decstr+65d50m01.31s NA  
## decstr+65d51m15.11s NA  
## decstr+66d04m19.92s NA  
## decstr+66d14m06.19s NA  
## decstr+66d20m52.58s NA  
## decstr+66d21m31.35s NA  
## decstr+66d51m01.09s NA  
## decstr+67d14m21.13s NA  
## decstr+67d14m34.48s NA  
## decstr+68d20m01.23s NA  
## decstr+68d43m11.92s NA  
## decstr+69d04m26.86s NA  
## decstr+69d16m35.83s NA  
## decstr+69d31m22.34s NA  
## decstr+69d34m15.01s NA  
## decstr+69d38m20.89s NA  
## decstr+70d11m24.14s NA  
## decstr+70d14m18.53s NA  
## decstr+70d23m27.88s NA  
## decstr+70d31m37.50s NA  
## decstr+70d47m34.17s NA  
## decstr+71d18m50.24s NA  
## decstr+71d39m20.62s NA  
## decstr+71d45m11.12s NA  
## decstr+71d49m26.19s NA  
## decstr+72d09m20.56s NA  
## decstr+72d09m40.25s NA  
## decstr+72d17m47.81s NA  
## decstr+72d24m53.75s NA  
## decstr+72d27m21.09s NA  
## decstr+72d36m45.29s NA  
## decstr+72d42m37.13s NA  
## decstr+73d09m07.69s NA  
## decstr+73d11m42.39s NA  
## decstr+73d49m39.24s NA  
## decstr+73d52m04.85s NA  
## decstr+74d03m46.29s NA  
## decstr+74d04m48.28s NA  
## decstr+74d29m21.62s NA  
## decstr+74d49m37.96s NA  
## decstr+74d54m03.38s NA  
## decstr+75d02m38.36s NA  
## decstr+76d12m39.67s NA  
## decstr+76d42m36.53s NA  
## decstr+76d54m19.21s NA  
## decstr+77d37m59.16s NA  
## decstr+77d39m42.18s NA  
## decstr+77d47m24.44s NA  
## decstr+78d03m52.70s NA  
## decstr+79d13m54.66s NA  
## decstr+79d15m23.31s NA  
## decstr+79d25m06.89s NA  
## decstr+79d47m21.85s NA  
## decstr+80d08m11.05s NA  
## decstr+80d16m02.58s NA  
## decstr+81d02m20.35s NA  
## decstr+81d19m34.71s NA  
## decstr+82d14m43.49s NA  
## decstr+83d22m21.74s NA  
## decstr+83d41m51.11s NA  
## decstr+84d20m01.54s NA  
## decstr+84d21m51.35s NA  
## decstr+85d13m59.95s NA  
## decstr+85d44m11.52s NA  
## dec NA  
## sy\_dist NA  
## sy\_vmag NA  
## sy\_kmag NA  
## sy\_gaiamag NA  
## sy\_gaiamagerr1 NA  
## sy\_gaiamagerr2 NA  
##   
## (Dispersion parameter for gaussian family taken to be NaN)  
##   
## Null deviance: 1.6635e+02 on 4502 degrees of freedom  
## Residual deviance: 7.0611e-22 on 0 degrees of freedom  
## AIC: -235401  
##   
## Number of Fisher Scoring iterations: 1

## Calculating Correlation matrix

# Calculate correlation matrix  
cor\_matrix <- cor(exoplanet\_data[, sapply(exoplanet\_data, is.numeric)], use = "complete.obs")  
cor\_matrix

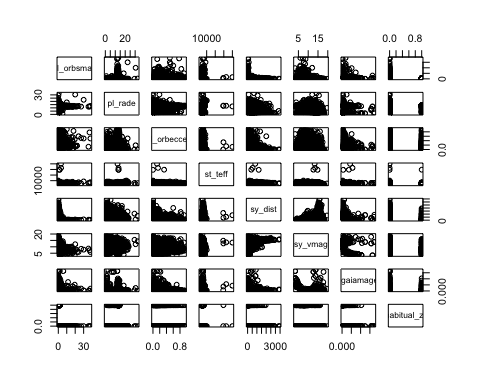
## sy\_snum sy\_pnum pl\_orbper pl\_orbsmax pl\_rade  
## sy\_snum 1.000000000 0.041803373 0.024677756 0.04904893 0.21970486  
## sy\_pnum 0.041803373 1.000000000 -0.001159475 -0.01524687 -0.24525722  
## pl\_orbper 0.024677756 -0.001159475 1.000000000 0.95369374 0.22062759  
## pl\_orbsmax 0.049048931 -0.015246868 0.953693736 1.00000000 0.32175908  
## pl\_rade 0.219704864 -0.245257216 0.220627585 0.32175908 1.00000000  
## pl\_radj 0.221396093 -0.246865125 0.222784088 0.32433512 0.99461734  
## pl\_bmasse 0.027151276 -0.055079657 0.197918216 0.23374157 0.29242324  
## pl\_bmassj 0.027130418 -0.055038106 0.198422021 0.23417289 0.29244490  
## pl\_dens -0.022166312 0.079150334 0.095719310 0.09430361 -0.08979766  
## pl\_orbeccen 0.150199672 -0.053158438 0.241593451 0.34606617 0.41312092  
## st\_teff 0.034057313 -0.087010035 0.037956022 0.04911968 0.14647970  
## st\_mass 0.043526829 -0.158664673 0.045554885 0.11014411 0.35371687  
## st\_lum 0.001272046 -0.189366223 0.049274239 0.12111727 0.37406457  
## st\_logg -0.006540365 0.140998369 -0.050641360 -0.14120989 -0.40841682  
## ra -0.145444453 0.033785635 -0.107720529 -0.15804373 -0.41928284  
## dec -0.130767787 0.017367888 -0.153629021 -0.20215173 -0.42706202  
## sy\_dist -0.231315551 -0.093291297 -0.153253857 -0.21570870 -0.32694996  
## sy\_vmag -0.237825442 -0.008275060 -0.240419911 -0.36602293 -0.55426156  
## sy\_kmag -0.237472510 -0.035114584 -0.230106795 -0.35119483 -0.51017403  
## sy\_gaiamag -0.238692633 -0.015083667 -0.240018714 -0.36504851 -0.54830876  
## sy\_gaiamagerr1 0.080219436 0.007965755 0.043451111 0.07502306 0.07120664  
## sy\_gaiamagerr2 -0.080219436 -0.007965755 -0.043451111 -0.07502306 -0.07120664  
## in\_habitual\_zone 0.064967717 -0.050773490 -0.003537272 0.05420965 0.24561204  
## pl\_radj pl\_bmasse pl\_bmassj pl\_dens pl\_orbeccen  
## sy\_snum 0.22139609 0.02715128 0.02713042 -0.022166312 0.15019967  
## sy\_pnum -0.24686513 -0.05507966 -0.05503811 0.079150334 -0.05315844  
## pl\_orbper 0.22278409 0.19791822 0.19842202 0.095719310 0.24159345  
## pl\_orbsmax 0.32433512 0.23374157 0.23417289 0.094303609 0.34606617  
## pl\_rade 0.99461734 0.29242324 0.29244490 -0.089797663 0.41312092  
## pl\_radj 1.00000000 0.21974109 0.21982585 -0.092867069 0.41645456  
## pl\_bmasse 0.21974109 1.00000000 0.99999782 0.211627498 0.14715976  
## pl\_bmassj 0.21982585 0.99999782 1.00000000 0.211773892 0.14724653  
## pl\_dens -0.09286707 0.21162750 0.21177389 1.000000000 0.01827939  
## pl\_orbeccen 0.41645456 0.14715976 0.14724653 0.018279386 1.00000000  
## st\_teff 0.14682862 0.04579583 0.04586515 -0.023164366 -0.02596523  
## st\_mass 0.35590117 0.14939851 0.14944774 0.018322121 0.10858115  
## st\_lum 0.37622817 0.12875204 0.12879142 -0.003821692 0.09337015  
## st\_logg -0.41105579 -0.14755811 -0.14755394 -0.011935763 -0.18976430  
## ra -0.42227737 -0.06766525 -0.06761322 0.048416657 -0.33659297  
## dec -0.43031717 -0.05655424 -0.05654318 0.058766976 -0.35536319  
## sy\_dist -0.32985741 -0.04906169 -0.04906057 -0.013146789 -0.38269872  
## sy\_vmag -0.55858918 -0.14270187 -0.14275168 0.012991723 -0.50788121  
## sy\_kmag -0.51445871 -0.13256124 -0.13259280 0.005197798 -0.52051959  
## sy\_gaiamag -0.55261733 -0.14142443 -0.14147092 0.011806534 -0.51700139  
## sy\_gaiamagerr1 0.07193796 0.05826469 0.05829189 0.024611139 0.04764067  
## sy\_gaiamagerr2 -0.07193796 -0.05826469 -0.05829189 -0.024611139 -0.04764067  
## in\_habitual\_zone 0.24726477 0.05505034 0.05503352 -0.017228247 0.21686230  
## st\_teff st\_mass st\_lum st\_logg  
## sy\_snum 0.034057313 0.043526829 0.001272046 -0.006540365  
## sy\_pnum -0.087010035 -0.158664673 -0.189366223 0.140998369  
## pl\_orbper 0.037956022 0.045554885 0.049274239 -0.050641360  
## pl\_orbsmax 0.049119681 0.110144112 0.121117274 -0.141209886  
## pl\_rade 0.146479696 0.353716868 0.374064575 -0.408416821  
## pl\_radj 0.146828622 0.355901166 0.376228169 -0.411055793  
## pl\_bmasse 0.045795834 0.149398508 0.128752035 -0.147558110  
## pl\_bmassj 0.045865146 0.149447735 0.128791418 -0.147553938  
## pl\_dens -0.023164366 0.018322121 -0.003821692 -0.011935763  
## pl\_orbeccen -0.025965234 0.108581154 0.093370146 -0.189764296  
## st\_teff 1.000000000 0.291961912 0.506786021 -0.065784088  
## st\_mass 0.291961912 1.000000000 0.735483348 -0.640141493  
## st\_lum 0.506786021 0.735483348 1.000000000 -0.799156556  
## st\_logg -0.065784088 -0.640141493 -0.799156556 1.000000000  
## ra 0.084244608 -0.066993825 -0.030380497 0.152398957  
## dec 0.048379639 -0.004486813 0.036177237 0.046268566  
## sy\_dist 0.270062837 0.108617806 0.247328927 0.026428568  
## sy\_vmag -0.053550436 -0.326690565 -0.381607694 0.481479991  
## sy\_kmag 0.146319617 -0.200231838 -0.185248071 0.422991633  
## sy\_gaiamag -0.006752196 -0.292116841 -0.326950819 0.462478671  
## sy\_gaiamagerr1 -0.021675664 0.069375972 0.072627649 -0.186916795  
## sy\_gaiamagerr2 0.021675664 -0.069375972 -0.072627649 0.186916795  
## in\_habitual\_zone -0.025144945 0.170252005 0.206609841 -0.326274444  
## ra dec sy\_dist sy\_vmag sy\_kmag  
## sy\_snum -0.14544445 -0.130767787 -0.23131555 -0.23782544 -0.237472510  
## sy\_pnum 0.03378564 0.017367888 -0.09329130 -0.00827506 -0.035114584  
## pl\_orbper -0.10772053 -0.153629021 -0.15325386 -0.24041991 -0.230106795  
## pl\_orbsmax -0.15804373 -0.202151732 -0.21570870 -0.36602293 -0.351194826  
## pl\_rade -0.41928284 -0.427062019 -0.32694996 -0.55426156 -0.510174034  
## pl\_radj -0.42227737 -0.430317169 -0.32985741 -0.55858918 -0.514458712  
## pl\_bmasse -0.06766525 -0.056554236 -0.04906169 -0.14270187 -0.132561243  
## pl\_bmassj -0.06761322 -0.056543180 -0.04906057 -0.14275168 -0.132592800  
## pl\_dens 0.04841666 0.058766976 -0.01314679 0.01299172 0.005197798  
## pl\_orbeccen -0.33659297 -0.355363188 -0.38269872 -0.50788121 -0.520519585  
## st\_teff 0.08424461 0.048379639 0.27006284 -0.05355044 0.146319617  
## st\_mass -0.06699383 -0.004486813 0.10861781 -0.32669056 -0.200231838  
## st\_lum -0.03038050 0.036177237 0.24732893 -0.38160769 -0.185248071  
## st\_logg 0.15239896 0.046268566 0.02642857 0.48147999 0.422991633  
## ra 1.00000000 0.497273329 0.42235981 0.49028561 0.519503464  
## dec 0.49727333 1.000000000 0.44672055 0.50073927 0.526144259  
## sy\_dist 0.42235981 0.446720549 1.00000000 0.64592379 0.733806793  
## sy\_vmag 0.49028561 0.500739268 0.64592379 1.00000000 0.959524685  
## sy\_kmag 0.51950346 0.526144259 0.73380679 0.95952468 1.000000000  
## sy\_gaiamag 0.50463016 0.515987259 0.67407525 0.99587594 0.978603667  
## sy\_gaiamagerr1 -0.06129824 -0.040926305 -0.11151657 -0.19905700 -0.230828270  
## sy\_gaiamagerr2 0.06129824 0.040926305 0.11151657 0.19905700 0.230828270  
## in\_habitual\_zone -0.14549450 -0.093774965 -0.13984824 -0.29086033 -0.301914433  
## sy\_gaiamag sy\_gaiamagerr1 sy\_gaiamagerr2 in\_habitual\_zone  
## sy\_snum -0.238692633 0.080219436 -0.080219436 0.064967717  
## sy\_pnum -0.015083667 0.007965755 -0.007965755 -0.050773490  
## pl\_orbper -0.240018714 0.043451111 -0.043451111 -0.003537272  
## pl\_orbsmax -0.365048509 0.075023057 -0.075023057 0.054209652  
## pl\_rade -0.548308762 0.071206642 -0.071206642 0.245612037  
## pl\_radj -0.552617330 0.071937964 -0.071937964 0.247264766  
## pl\_bmasse -0.141424428 0.058264688 -0.058264688 0.055050337  
## pl\_bmassj -0.141470918 0.058291886 -0.058291886 0.055033525  
## pl\_dens 0.011806534 0.024611139 -0.024611139 -0.017228247  
## pl\_orbeccen -0.517001394 0.047640668 -0.047640668 0.216862298  
## st\_teff -0.006752196 -0.021675664 0.021675664 -0.025144945  
## st\_mass -0.292116841 0.069375972 -0.069375972 0.170252005  
## st\_lum -0.326950819 0.072627649 -0.072627649 0.206609841  
## st\_logg 0.462478671 -0.186916795 0.186916795 -0.326274444  
## ra 0.504630161 -0.061298239 0.061298239 -0.145494497  
## dec 0.515987259 -0.040926305 0.040926305 -0.093774965  
## sy\_dist 0.674075252 -0.111516571 0.111516571 -0.139848241  
## sy\_vmag 0.995875942 -0.199056997 0.199056997 -0.290860325  
## sy\_kmag 0.978603667 -0.230828270 0.230828270 -0.301914433  
## sy\_gaiamag 1.000000000 -0.204559186 0.204559186 -0.294406945  
## sy\_gaiamagerr1 -0.204559186 1.000000000 -1.000000000 0.089829410  
## sy\_gaiamagerr2 0.204559186 -1.000000000 1.000000000 -0.089829410  
## in\_habitual\_zone -0.294406945 0.089829410 -0.089829410 1.000000000

## Reduced variables based on the Correlation matrix

# Variables to remove based on low correlation with target  
  
vars\_to\_remove\_corelation\_vif <- c("sy\_snum", "pl\_orbper", "pl\_radj", "pl\_bmassj", "pl\_dens", "pl\_bmassprov", "sy\_gaiamagerr2", "decstr","rastr","st\_logg", "pl\_name","hostname", "sy\_kmag", "disc\_telescope", "disc\_facility", "sy\_gaiamag")  
  
vars\_to\_remove\_backward <- c("sy\_snum", "pl\_orbper", "pl\_radj", "pl\_bmassj", "pl\_dens", "pl\_bmassprov", "sy\_gaiamagerr2", "decstr","rastr","st\_logg", "pl\_name","hostname", "sy\_kmag", "disc\_telescope", "disc\_facility", "sy\_gaiamag", "sy\_pnum","ttv\_flag","ra","dec","st\_lum","st\_mass","pl\_bmasse")  
   
 #"sy\_pnum","ttv\_flag","ra","dec","st\_lum","st\_mass","pl\_bmasse")  
  
  
# Remove one variable from each pair of highly correlated variables  
exoplanet\_data\_reduced <- exoplanet\_data[, !colnames(exoplanet\_data) %in% vars\_to\_remove\_backward]  
  
  
  
# Fit the linear model without the highly correlated variables  
model\_reduced <- glm(in\_habitual\_zone ~ ., data = exoplanet\_data\_reduced, family = binomial(logit))  
summary(model\_reduced)

##   
## Call:  
## glm(formula = in\_habitual\_zone ~ ., family = binomial(logit),   
## data = exoplanet\_data\_reduced)  
##   
## Coefficients:  
## Estimate Std. Error z value Pr(>|z|)   
## (Intercept) 3.071e+00 7.948e-01 3.864 0.000111 \*\*\*  
## pl\_orbsmax -2.851e-01 6.706e-02 -4.252 2.12e-05 \*\*\*  
## pl\_rade 1.692e-01 2.067e-02 8.189 2.64e-16 \*\*\*  
## pl\_orbeccen 2.037e+00 4.207e-01 4.841 1.29e-06 \*\*\*  
## st\_teff -5.539e-04 1.176e-04 -4.710 2.48e-06 \*\*\*  
## sy\_dist 1.470e-03 3.231e-04 4.550 5.36e-06 \*\*\*  
## sy\_vmag -5.141e-01 5.096e-02 -10.089 < 2e-16 \*\*\*  
## sy\_gaiamagerr1 -1.595e+02 6.768e+01 -2.356 0.018473 \*   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1  
##   
## (Dispersion parameter for binomial family taken to be 1)  
##   
## Null deviance: 1466.95 on 4502 degrees of freedom  
## Residual deviance: 995.93 on 4495 degrees of freedom  
## AIC: 1011.9  
##   
## Number of Fisher Scoring iterations: 8

# Use GGally package for an enhanced scatterplot matrix  
library(GGally)  
pairs(exoplanet\_data\_reduced[, sapply(exoplanet\_data\_reduced, is.numeric)])



### VIF

library(car)  
vif\_model <- vif(model\_reduced)  
print(vif\_model)

## pl\_orbsmax pl\_rade pl\_orbeccen st\_teff sy\_dist   
## 1.284104 1.118555 1.181104 1.117075 1.946884   
## sy\_vmag sy\_gaiamagerr1   
## 2.728437 1.495840

### Goodness-Of-Fit

# Install and load the required package  
if(!require("ResourceSelection")) install.packages("ResourceSelection", dependencies=TRUE)

## Loading required package: ResourceSelection

## ResourceSelection 0.3-6 2023-06-27

library(ResourceSelection)  
  
# Perform the test  
hoslem.test(model\_reduced$y, fitted(model\_reduced), g = 10)

##   
## Hosmer and Lemeshow goodness of fit (GOF) test  
##   
## data: model\_reduced$y, fitted(model\_reduced)  
## X-squared = 23.434, df = 8, p-value = 0.002849

## Training and Testing Data

library(caret)  
  
# Set seed for reproducibility  
set.seed(123)  
  
# Define the train/test split (70% train, 20% test)  
n <- nrow(exoplanet\_data\_reduced)  
train\_indices <- sample(1:n, size = floor(0.7 \* n))  
  
  
  
# Training and testing datasets  
train\_data <- exoplanet\_data\_reduced[train\_indices, ]  
test\_data <- exoplanet\_data\_reduced[-train\_indices, ]

## Cross-validation

library('caret')  
  
  
predictions <- predict(model\_reduced, newdata = test\_data, type = "response")  
  
predicted\_classes <- ifelse(predictions > 0.5, 1, 0)  
  
# Convert predicted classes to a factor (important for some of caret's functions)  
predicted\_classes <- factor(predicted\_classes, levels = c(0, 1))  
  
# Ensure the actual outcomes are also a factor  
actual\_classes <- factor(test\_data$in\_habitual\_zone, levels = c(0, 1))  
  
# Create the confusion matrix  
conf\_matrix <- confusionMatrix(predicted\_classes, actual\_classes)  
print(conf\_matrix)

## Confusion Matrix and Statistics  
##   
## Reference  
## Prediction 0 1  
## 0 1302 46  
## 1 2 1  
##   
## Accuracy : 0.9645   
## 95% CI : (0.9532, 0.9737)  
## No Information Rate : 0.9652   
## P-Value [Acc > NIR] : 0.5966   
##   
## Kappa : 0.036   
##   
## Mcnemar's Test P-Value : 5.417e-10   
##   
## Sensitivity : 0.99847   
## Specificity : 0.02128   
## Pos Pred Value : 0.96588   
## Neg Pred Value : 0.33333   
## Prevalence : 0.96521   
## Detection Rate : 0.96373   
## Detection Prevalence : 0.99778   
## Balanced Accuracy : 0.50987   
##   
## 'Positive' Class : 0   
##

## Accuracy

accuracy <- sum(diag(conf\_matrix$table)) / sum(conf\_matrix$table)  
print(paste("Accuracy:", accuracy))

## [1] "Accuracy: 0.964470762398223"

## ROC Curve

library(pROC)

## Type 'citation("pROC")' for a citation.

##   
## Attaching package: 'pROC'

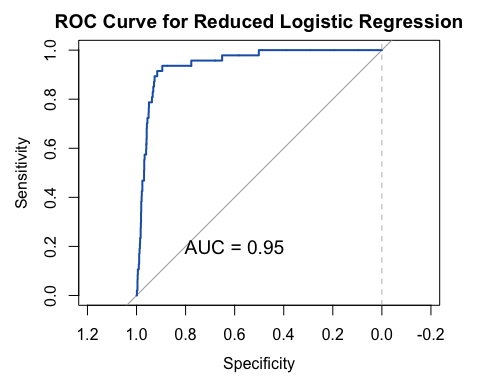
## The following objects are masked from 'package:stats':  
##   
## cov, smooth, var

# Create the ROC object from pROC  
roc\_obj <- roc(test\_data$in\_habitual\_zone, predictions)

## Setting levels: control = 0, case = 1

## Setting direction: controls < cases

# Plot the ROC curve  
plot(roc\_obj, main = "ROC Curve for Reduced Logistic Regression", col = "#1c61b6", lwd = 2)  
  
# Optionally, add text to show the AUC on the plot  
auc\_value <- auc(roc\_obj)  
text(0.6, 0.2, paste("AUC =", round(auc\_value, 2)), cex = 1.2)  
# Optionally, add a horizontal line at 0 on the x-axis (False Positive Rate)  
abline(v = 0, col = "gray", lty = 2)



# Calculate the AUC and print it  
auc\_value <- auc(roc\_obj)

# RANDOM-FOREST APPROACH

library(randomForest)

## randomForest 4.7-1.1

## Type rfNews() to see new features/changes/bug fixes.

##   
## Attaching package: 'randomForest'

## The following object is masked from 'package:dplyr':  
##   
## combine

## The following object is masked from 'package:ggplot2':  
##   
## margin

# Make sure that the target variable in the training set is a factor  
train\_data$in\_habitual\_zone <- as.factor(train\_data$in\_habitual\_zone)  
  
# Verify that the test dataset has the same type for the target variable  
test\_data$in\_habitual\_zone <- as.factor(test\_data$in\_habitual\_zone)  
  
# Set a seed for reproducibility  
set.seed(123)  
  
# Fit a Random Forest model using the training data  
rf\_model <- randomForest(in\_habitual\_zone ~ ., data = train\_data, ntree = 500, importance = TRUE)  
  
# Print a summary of the Random Forest model  
print(rf\_model)

##   
## Call:  
## randomForest(formula = in\_habitual\_zone ~ ., data = train\_data, ntree = 500, importance = TRUE)   
## Type of random forest: classification  
## Number of trees: 500  
## No. of variables tried at each split: 2  
##   
## OOB estimate of error rate: 0.06%  
## Confusion matrix:  
## 0 1 class.error  
## 0 3026 0 0.00000000  
## 1 2 124 0.01587302

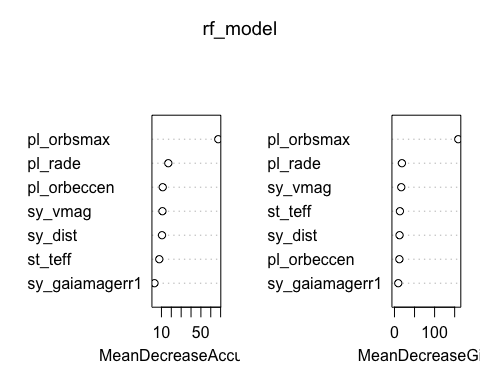
# Predict using the Random Forest model on the test data  
rf\_predictions <- predict(rf\_model, newdata = test\_data)  
  
  
# Assuming `predictions` contain the probabilities from your logistic regression model  
rf\_predicted\_classes <- ifelse(predictions > 0.8, 1, 0)  
  
# Convert predicted classes to a factor (important for some of caret's functions)  
rf\_predicted\_classes <- factor(predicted\_classes, levels = c(0, 1))  
  
# Ensure the actual outcomes are also a factor  
actual\_classes <- factor(test\_data$in\_habitual\_zone, levels = c(0, 1))  
  
# Create a confusion matrix for the Random Forest predictions  
rf\_conf\_matrix <- confusionMatrix(rf\_predicted\_classes, actual\_classes)  
  
# Print the confusion matrix  
print(rf\_conf\_matrix)

## Confusion Matrix and Statistics  
##   
## Reference  
## Prediction 0 1  
## 0 1302 46  
## 1 2 1  
##   
## Accuracy : 0.9645   
## 95% CI : (0.9532, 0.9737)  
## No Information Rate : 0.9652   
## P-Value [Acc > NIR] : 0.5966   
##   
## Kappa : 0.036   
##   
## Mcnemar's Test P-Value : 5.417e-10   
##   
## Sensitivity : 0.99847   
## Specificity : 0.02128   
## Pos Pred Value : 0.96588   
## Neg Pred Value : 0.33333   
## Prevalence : 0.96521   
## Detection Rate : 0.96373   
## Detection Prevalence : 0.99778   
## Balanced Accuracy : 0.50987   
##   
## 'Positive' Class : 0   
##

# Calculate and print the accuracy  
rf\_accuracy <- sum(diag(rf\_conf\_matrix$table)) / sum(rf\_conf\_matrix$table)  
print(paste("Random Forest Accuracy:", rf\_accuracy))

## [1] "Random Forest Accuracy: 0.964470762398223"

# Plot the importance of variables in the Random Forest model  
varImpPlot(rf\_model)



## ROC Curve for Random Forest  
# Calculate probabilities for ROC curve  
rf\_prob <- predict(rf\_model, newdata = test\_data, type = "prob")[, 2]  
  
# Create the ROC object using pROC  
rf\_roc\_obj <- roc(test\_data$in\_habitual\_zone, rf\_prob)

## Setting levels: control = 0, case = 1

## Setting direction: controls < cases

rf\_roc\_obj

##   
## Call:  
## roc.default(response = test\_data$in\_habitual\_zone, predictor = rf\_prob)  
##   
## Data: rf\_prob in 1304 controls (test\_data$in\_habitual\_zone 0) < 47 cases (test\_data$in\_habitual\_zone 1).  
## Area under the curve: 1

## LASSO BEST-FIT

library(glmnet)

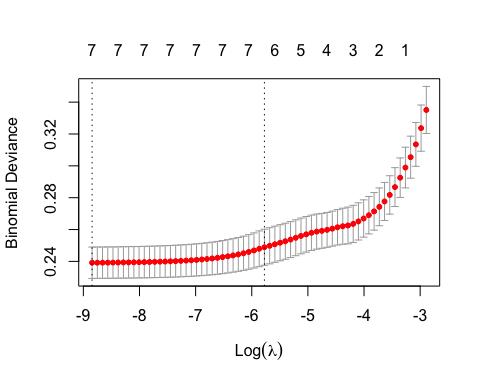
## Loading required package: Matrix

##   
## Attaching package: 'Matrix'

## The following objects are masked from 'package:tidyr':  
##   
## expand, pack, unpack

## Loaded glmnet 4.1-8

# Prepare the predictor matrix  
x <- model.matrix(in\_habitual\_zone ~ . - 1, data = train\_data)   
  
# Ensure the response is a factor if it's not already  
y <- as.factor(train\_data$in\_habitual\_zone)  
  
# Fit Lasso model using cross-validation  
cv\_fit <- cv.glmnet(x, y, family = "binomial", alpha = 1)   
  
# Plot to see the lambda selection  
plot(cv\_fit)



## LASSO BEST FIT - Lasso Coeffecients

# Get the best lambda and coefficients  
best\_lambda <- cv\_fit$lambda.min  
lasso\_coefficients <- coef(cv\_fit, s = "lambda.min")  
  
# Print coefficients  
print(lasso\_coefficients)

## 8 x 1 sparse Matrix of class "dgCMatrix"  
## s1  
## (Intercept) 2.602202e+00  
## pl\_orbsmax -2.218796e-01  
## pl\_rade 1.515756e-01  
## pl\_orbeccen 1.649748e+00  
## st\_teff -4.966097e-04  
## sy\_dist 1.421103e-03  
## sy\_vmag -4.711617e-01  
## sy\_gaiamagerr1 -1.003382e+02

## Confusion Matrix for LASSO-FIT

# Generate predictions for the test set  
x\_test <- model.matrix(in\_habitual\_zone ~ . - 1, data = test\_data)  
predictions <- predict(cv\_fit, newx = x\_test, s = "lambda.min", type = "response")  
  
# Convert probabilities to binary output based on a threshold (e.g., 0.5)  
predicted\_classes <- ifelse(predictions > 0.5, 1, 0)  
  
# Create confusion matrix  
confusion\_matrix <- table(Predicted = predicted\_classes, Actual = test\_data$in\_habitual\_zone)  
print(confusion\_matrix)

## Actual  
## Predicted 0 1  
## 0 1303 46  
## 1 1 1

# Calculate accuracy  
accuracy <- sum(diag(confusion\_matrix)) / sum(confusion\_matrix)  
print(paste("Accuracy:", accuracy))

## [1] "Accuracy: 0.965210954848261"

# Calculate specificity  
true\_negatives <- confusion\_matrix[1, 1]  
total\_actual\_negatives <- sum(confusion\_matrix[, 1])  
specificity <- true\_negatives / total\_actual\_negatives  
print(paste("Specificity:", specificity))

## [1] "Specificity: 0.999233128834356"

# Calculate sensitivity  
true\_positives <- confusion\_matrix[2, 2]  
total\_actual\_positives <- sum(confusion\_matrix[, 2])  
sensitivity <- true\_positives / total\_actual\_positives  
print(paste("Sensitivity:", sensitivity))

## [1] "Sensitivity: 0.0212765957446809"

## ACCURACY for LASSO-FIT

accuracy <- sum(diag(confusion\_matrix)) / sum(confusion\_matrix)  
print(paste("Accuracy:", accuracy))

## [1] "Accuracy: 0.965210954848261"

## ROC curve For LASSO

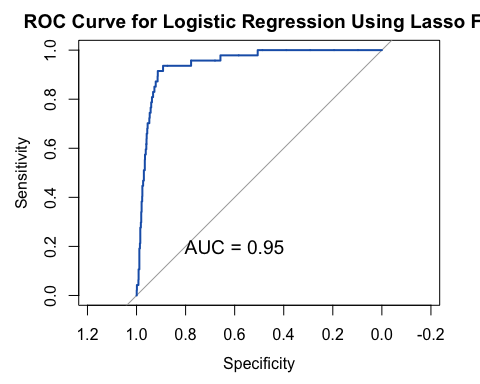
library(pROC)  
# Generate the ROC curve using the actual labels and predicted probabilities  
roc\_obj <- roc(response = as.factor(test\_data$in\_habitual\_zone), predictor = predictions, levels = c("0", "1"))

## Warning in roc.default(response = as.factor(test\_data$in\_habitual\_zone), :  
## Deprecated use a matrix as predictor. Unexpected results may be produced,  
## please pass a numeric vector.

## Setting direction: controls < cases

# Plot the ROC curve  
plot(roc\_obj, main = "ROC Curve for Logistic Regression Using Lasso Fit", col = "#1c61b6", lwd = 2)  
  
# Optionally, add text to show the AUC on the plot  
auc\_value <- auc(roc\_obj)  
text(0.6, 0.2, paste("AUC =", round(auc\_value, 2)), border = "black", cex = 1.2)

## Warning in text.default(0.6, 0.2, paste("AUC =", round(auc\_value, 2)), border =  
## "black", : "border" is not a graphical parameter



# Calculate the AUC and print it  
auc\_value <- auc(roc\_obj)

# Calculate AUC and print it  
auc\_value <- auc(roc\_obj)  
print(paste("Area Under the Curve (AUC):", round(auc\_value, 2)))

## [1] "Area Under the Curve (AUC): 0.95"