Last login: Wed Jun 7 17:11:56 on console

nat-oitwireless-inside-vapornet100-c-16713:~ Jonah$ ssh jid@phn7.astro.princeton.edu

The authenticity of host 'phn7.astro.princeton.edu (128.112.26.39)' can't be established.

RSA key fingerprint is 9b:b3:bf:17:19:75:c1:bc:f3:bb:e6:8a:54:4c:d3:ca.

Are you sure you want to continue connecting (yes/no)? yes

Warning: Permanently added 'phn7.astro.princeton.edu,128.112.26.39' (RSA) to the list of known hosts.

jid@phn7.astro.princeton.edu's password:

Linux phn7 3.16.0-0.bpo.4-amd64 #1 SMP Debian 3.16.7-ckt11-1+deb8u4~bpo70+1 (2015-09-22) x86\_64

The programs included with the Debian GNU/Linux system are free software;

the exact distribution terms for each program are described in the

individual files in /usr/share/doc/\*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent

permitted by applicable law.

jid@phn7:~$ ls

**FLWO**

jid@phn7:~$ cd FLWO

jid@phn7:~/FLWO$ ls

**anl** **data**

jid@phn7:~/FLWO$ cd data/

jid@phn7:~/FLWO/data$ ls

**raw** **red**

jid@phn7:~/FLWO/data$ cd raw

jid@phn7:~/FLWO/data/raw$ ls

2015.1215 2016.0526 **2016.1228\_night\_movie.avi**

**2015.1215\_night\_movie.avi** **2016.0526\_night\_movie.avi** 2016.1229

2015.1216 2016.0612 **2016.1229\_night\_movie.avi**

**2015.1216\_night\_movie.avi** **2016.0612\_night\_movie.avi** 2017.0104

2015.1219 2016.0618 **2017.0104\_night\_movie.avi**

**2015.1219\_night\_movie.avi** **2016.0618\_night\_movie.avi** 2017.0107

2015.1227 2016.0619 **2017.0107\_night\_movie.avi**

**2015.1227\_night\_movie.avi** **2016.0619\_night\_movie.avi** 2017.0110

2015.1228 2016.0702 **2017.0110\_night\_movie.avi**

**2015.1228\_night\_movie.avi** **2016.0702\_night\_movie.avi** 2017.0115

2015.1231 2016.0711 **2017.0115\_night\_movie.avi**

**2015.1231\_night\_movie.avi** **2016.0711\_night\_movie.avi** 2017.0118

2016.0101 2016.0719 **2017.0118\_night\_movie.avi**

**2016.0101\_night\_movie.avi** **2016.0719\_night\_movie.avi** 2017.0119

2016.0102 2016.0722 **2017.0119\_night\_movie.avi**

**2016.0102\_night\_movie.avi** **2016.0722\_night\_movie.avi** 2017.0201

2016.0103 2016.0724 **2017.0201\_night\_movie.avi**

**2016.0103\_night\_movie.avi** **2016.0724\_night\_movie.avi** 2017.0205

2016.0113 2016.0728 **2017.0205\_night\_movie.avi**

**2016.0113\_night\_movie.avi** **2016.0728\_night\_movie.avi** 2017.0208

2016.0114 2016.0729 **2017.0208\_night\_movie.avi**

**2016.0114\_night\_movie.avi** **2016.0729\_night\_movie.avi** 2017.0211

2016.0119 2016.0905 **2017.0211\_night\_movie.avi**

**2016.0119\_night\_movie.avi** **2016.0905\_night\_movie.avi** 2017.0213

2016.0201 2016.0907 **2017.0213\_night\_movie.avi**

**2016.0201\_night\_movie.avi** **2016.0907\_night\_movie.avi** 2017.0216

2016.0205 2016.0913 **2017.0216\_night\_movie.avi**

**2016.0205\_night\_movie.avi** **2016.0913\_night\_movie.avi** 2017.0218

2016.0208 2016.0921 **2017.0218\_night\_movie.avi**

**2016.0208\_night\_movie.avi** **2016.0921\_night\_movie.avi** 2017.0219

2016.0210 2016.0923 **2017.0219\_night\_movie.avi**

**2016.0210\_night\_movie.avi** **2016.0923\_night\_movie.avi** 2017.0221

2016.0211 2016.0928 **2017.0221\_night\_movie.avi**

**2016.0211\_night\_movie.avi** **2016.0928\_night\_movie.avi** 2017.0304

2016.0212 2016.0929 **2017.0304\_night\_movie.avi**

**2016.0212\_night\_movie.avi** **2016.0929\_night\_movie.avi** 2017.0306

2016.0212.red.log 2016.1006 **2017.0306\_night\_movie.avi**

2016.0217 **2016.1006\_night\_movie.avi** 2017.0312

**2016.0217\_night\_movie.avi** 2016.1010 **2017.0312\_night\_movie.avi**

2016.0218 **2016.1010\_night\_movie.avi** 2017.0320

**2016.0218\_night\_movie.avi** 2016.1011 **2017.0320\_night\_movie.avi**

2016.0222 **2016.1011\_night\_movie.avi** 2017.0322

**2016.0222\_night\_movie.avi** 2016.1016 **2017.0322\_night\_movie.avi**

2016.0227 **2016.1016\_night\_movie.avi** 2017.0326

**2016.0227\_night\_movie.avi** 2016.1022 **2017.0326\_night\_movie.avi**

2016.0320 **2016.1022\_night\_movie.avi** 2017.0330

**2016.0320\_night\_movie.avi** 2016.1024 **2017.0330\_night\_movie.avi**

2016.0321 **2016.1024\_night\_movie.avi** 2017.0403

**2016.0321\_night\_movie.avi** 2016.1107 **2017.0403\_night\_movie.avi**

2016.0324 **2016.1107\_night\_movie.avi** 2017.0409

**2016.0324\_night\_movie.avi** 2016.1115 **2017.0409\_night\_movie.avi**

2016.0327 **2016.1115\_night\_movie.avi** 2017.0410

**2016.0327\_night\_movie.avi** 2016.1116 **2017.0410\_night\_movie.avi**

2016.0330 **2016.1116\_night\_movie.avi** 2017.0411

**2016.0330\_night\_movie.avi** 2016.1119 **2017.0411\_night\_movie.avi**

2016.0401 **2016.1119\_night\_movie.avi** 2017.0418

**2016.0401\_night\_movie.avi** 2016.1121 **2017.0418\_night\_movie.avi**

2016.0402 **2016.1121\_night\_movie.avi** 2017.0419

**2016.0402\_night\_movie.avi** 2016.1125 **2017.0419\_night\_movie.avi**

2016.0407 **2016.1125\_night\_movie.avi** 2017.0420

**2016.0407\_night\_movie.avi** 2016.1127 **2017.0420\_night\_movie.avi**

2016.0408 **2016.1127\_night\_movie.avi** 2017.0421

**2016.0408\_night\_movie.avi** 2016.1204 **2017.0421\_night\_movie.avi**

2016.0413 **2016.1204\_night\_movie.avi** 2017.0427

**2016.0413\_night\_movie.avi** 2016.1205 **2017.0427\_night\_movie.avi**

2016.0414 **2016.1205\_night\_movie.avi** 2017.0428

**2016.0414\_night\_movie.avi** 2016.1206 **2017.0428\_night\_movie.avi**

2016.0419 **2016.1206\_night\_movie.avi** 2017.0501

**2016.0419\_night\_movie.avi** 2016.1207 **2017.0501\_night\_movie.avi**

2016.0419.red.log **2016.1207\_night\_movie.avi** 2017.0503

2016.0420 2016.1208 **2017.0503\_night\_movie.avi**

**2016.0420\_night\_movie.avi** **2016.1208\_night\_movie.avi** 2017.0507

2016.0423 2016.1213 **2017.0507\_night\_movie.avi**

**2016.0423\_night\_movie.avi** **2016.1213\_night\_movie.avi** 2017.0509

2016.0424 2016.1215 **2017.0509\_night\_movie.avi**

**2016.0424\_night\_movie.avi** **2016.1215\_night\_movie.avi** 2017.0510

**2016.0425\_night\_movie.avi** 2016.1217 **2017.0510\_night\_movie.avi**

2016.0427 **2016.1217\_night\_movie.avi** 2017.0512

**2016.0427\_night\_movie.avi** 2016.1222 **2017.0512\_night\_movie.avi**

2016.0430 **2016.1222\_night\_movie.avi** 2017.0522

**2016.0430\_night\_movie.avi** 2016.1223 **2017.0522\_night\_movie.avi**

2016.0502 **2016.1223\_night\_movie.avi** 2017.0523

**2016.0502\_night\_movie.avi** 2016.1224 **2017.0523\_night\_movie.avi**

2016.0514 **2016.1224\_night\_movie.avi** 2017.0529

**2016.0514\_night\_movie.avi** 2016.1225 **2017.0529\_night\_movie.avi**

2016.0515 **2016.1225\_night\_movie.avi** 2017.0531

**2016.0515\_night\_movie.avi** 2016.1228 **2017.0531\_night\_movie.avi**

jid@phn7:~/FLWO/data/raw$ exit

logout

Connection to phn7.astro.princeton.edu closed.

nat-oitwireless-inside-vapornet100-c-16713:~ Jonah$ cd

nat-oitwireless-inside-vapornet100-c-16713:~ Jonah$ ls

Applications Downloads Music Untitled.ipynb readme.txt

Desktop Library Pictures Untitled1.ipynb toy.conf

Documents Movies Public anaconda2 untitled.txt

nat-oitwireless-inside-vapornet100-c-16713:~ Jonah$ ssh jid@phn7.astro.princeton.edu

jid@phn7.astro.princeton.edu's password:

Permission denied, please try again.

jid@phn7.astro.princeton.edu's password:

Permission denied, please try again.

jid@phn7.astro.princeton.edu's password:

Linux phn7 3.16.0-0.bpo.4-amd64 #1 SMP Debian 3.16.7-ckt11-1+deb8u4~bpo70+1 (2015-09-22) x86\_64

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Last login: Mon Jun 12 14:46:01 2017 from nat-oitwireless-outside-vapornet3-c-217.princeton.edu

jid@phn7:~$ wget http://ds9.si.edu/download/ubuntu14/ds9.ubuntu14.7.5.tar.gz

--2017-06-12 14:48:35-- http://ds9.si.edu/download/ubuntu14/ds9.ubuntu14.7.5.tar.gz

Resolving ds9.si.edu (ds9.si.edu)... 131.142.198.127

Connecting to ds9.si.edu (ds9.si.edu)|131.142.198.127|:80... connected.

HTTP request sent, awaiting response... 200 OK

Length: 12496527 (12M) [application/x-gzip]

Saving to: `ds9.ubuntu14.7.5.tar.gz'

100%[======================================>] 12,496,527 30.2M/s in 0.4s

2017-06-12 14:48:35 (30.2 MB/s) - `ds9.ubuntu14.7.5.tar.gz' saved [12496527/12496527]

jid@phn7:~$ ls

**ds9.ubuntu14.7.5.tar.gz** **FLWO**

jid@phn7:~$ tar xvf ds9.ubuntu14.7.5.tar.gz

ds9

jid@phn7:~$

Quartz

ssh jid@phn7.astro.princeton.edu

old pass: fGNKhvV1DxeF

cd /H/FU/FLWO

To disconnect and reconnect from terminal

control-a-d

screen –ls

screen –d –r “4834.first”

screen (opens a new session)

kepcam\_ficalib.sh --raw /home/jid/FLWO/data/raw/2017.0221 --red /home/jid/FLWO/data/red/2017.0221 --master /home/jid/FLWO/data/red/2017.0221 > /home/jid/FLWO/data/raw/2017.0221/red.log

How to see if there are multiple objects

ls \*HTR\*.fits | gawk '{split($1,s1,"."); print s1[2];}' | sort | uniq -c

./scripts/fu-auto.sh -h HTR136-001 -i kepcam --ootepd --astrom --apselect --phot --refselect --singlemagfit --masterphotref --mastermagfit --mergeaps --dumplcs --badframes --epd --plotlc --plotneighbors | tee -a LOGS/fu-auto.log

How to look at star data for a given HTR:

jid@phn7:~$ cd /H/FU/FLWO/anl/2017.0705/HTR111-006/PHOT\_JD/

jid@phn7:/H/FU/FLWO/anl/2017.0705/HTR111-006/PHOT\_JD$ cd BASE/

jid@phn7:/H/FU/FLWO/anl/2017.0705/HTR111-006/PHOT\_JD/BASE$ ls

101-R0269.HTR111-006.phot **2MASS.txt** sgrcolstat.AP3.txt

**101-R0269.HTR111-006.phot.gz** fp.lis **sphref0.phot**

2MASS\_253.26\_53.86\_15.1\_0.4\_z.txt keylist.txt sphref.phot

2MASS\_astrom\_init.txt sgrcolstat.AP1.txt

2MASS\_astrom.txt sgrcolstat.AP2.txt

jid@phn7:/H/FU/FLWO/anl/2017.0705/HTR111-006/PHOT\_JD/BASE$ emacs -nw

jid@phn7:/H/FU/FLWO/anl/2017.0705/HTR111-006/PHOT\_JD/BASE$ cd ..

jid@phn7:/H/FU/FLWO/anl/2017.0705/HTR111-006/PHOT\_JD$ emacs -nw sphref.phot

jid@phn7:/H/FU/FLWO/anl/2017.0705/HTR111-006/PHOT\_JD$ cd BASE/

jid@phn7:/H/FU/FLWO/anl/2017.0705/HTR111-006/PHOT\_JD/BASE$ ls

101-R0269.HTR111-006.phot mgrcolstat.AP1.txt sgrcolstat.AP3.txt

**101-R0269.HTR111-006.phot.gz** mgrcolstat.AP2.txt sgrcolstatsel.AP1.txt

2MASS\_253.26\_53.86\_15.1\_0.4\_z.txt mgrcolstat.AP3.txt sgrcolstatsel.AP2.txt

2MASS\_astrom\_init.txt sgrcolstat.AP1.lfitout sgrcolstatsel.AP3.txt

2MASS\_astrom.txt sgrcolstat.AP1.txt **sphref0.phot**

**2MASS.txt** sgrcolstat.AP2.lfitout sphref.phot

fp.lis sgrcolstat.AP2.txt sphref.phot~

keylist.txt sgrcolstat.AP3.lfitout

jid@phn7:/H/FU/FLWO/anl/2017.0705/HTR111-006/PHOT\_JD/BASE$ nano sphref.phot

jid@phn7:/H/FU/FLWO/anl/2017.0705/HTR111-006/PHOT\_JD/BASE$ emacs -nw sphref.phot

jid@phn7:/H/FU/FLWO/anl/2017.0705/HTR111-006/PHOT\_JD/BASE$ ls

101-R0269.HTR111-006.phot 2MASS\_astrom\_init.txt fp.lis mgrcolstat.AP2.txt sgrcolstat.AP1.txt sgrcolstat.AP3.lfitout sgrcolstatsel.AP2.txt sphref.phot

**101-R0269.HTR111-006.phot.gz** 2MASS\_astrom.txt keylist.txt mgrcolstat.AP3.txt sgrcolstat.AP2.lfitout sgrcolstat.AP3.txt sgrcolstatsel.AP3.txt sphref.phot~

2MASS\_253.26\_53.86\_15.1\_0.4\_z.txt **2MASS.txt** mgrcolstat.AP1.txt sgrcolstat.AP1.lfitout sgrcolstat.AP2.txt sgrcolstatsel.AP1.txt **sphref0.phot**