```
Python 3.7.8 (default, Jun 28 2020, 07:20:10)
[GCC 4.8.5 20150623 (Red Hat 4.8.5-44)] on linux2
Type "help", "copyright", "credits" or "license" for more information.
IPython 7.8.0 -- An enhanced Interactive Python.

In [1]: runfile('/home/jonathanrzucker/Apogee By Programmer Dup', wdir='/home/jonathanrzucker')
/home/jonathanrzucker/anaconda3/lib/python3.7/site-packages
Using matplotlib backend: Qt5Agg

Class 1: 12
Class 2: 1
Class 3: 2102
Class 4: 5248
Class 5: 5248
Class 6: 2124
Class 7: 2124
Class 8: 5248
Class 9: 5248
Class 10: 12

Fit KCCC
Mag: 12.000
Mag: 12.000
Mag: 12.000
Mag: 12.000

Kfit Stars 47397

Mk: Stars 5730

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Mg_r: Stars 5730
Mg_i: Stars 5730
Mg_z: Stars 5730

GMAp_g: Stars 20094
GMAp_r: Stars 20094
GMAp_i: Stars 20094
GMAp_z: Stars 12953

GMAp_mk: Stars 5730
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subgiants: 226
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turnoff: 50
subgiants: 0
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mech_separator: 167
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subgiants: 0
red_giants: 767

clumps_gr3: 496
mech_separator: 108
turnoff: 50
subgiants: 0
red_giants: 398

clumps_gr4: 1172
mech_separator: 172
turnoff: 50
subgiants: 0
red_giants: 1072

clumps_gr5: 849
mech_separator: 149
turnoff: 50
subgiants: 0
red_giants: 749

clumps_gr6: 1000
mech_separator: 172
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subgiants: 0
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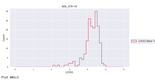

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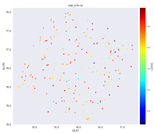

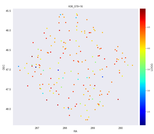

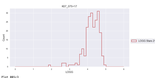

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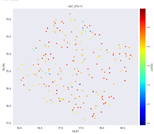

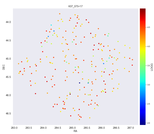

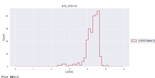

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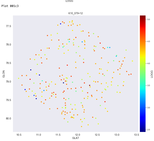

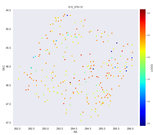

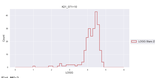

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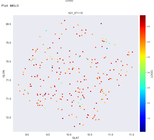

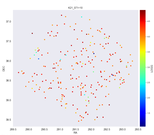

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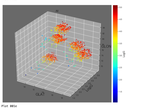

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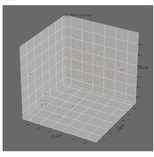
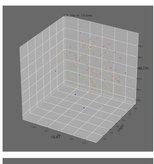
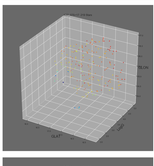
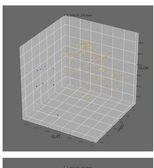


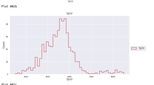






Plot BRL
Plot BRL

Plot BRL



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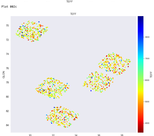

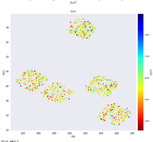

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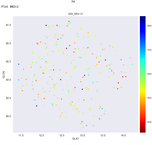

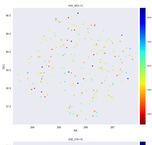

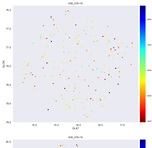

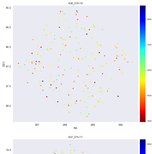

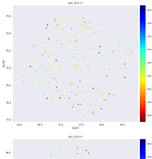

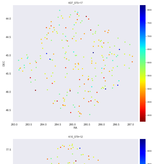

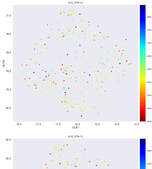

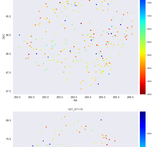

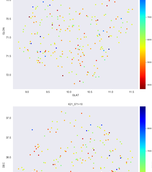

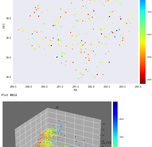

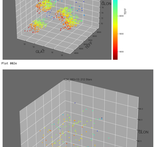

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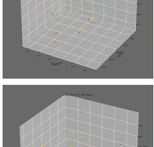

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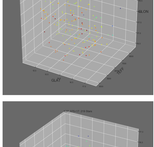
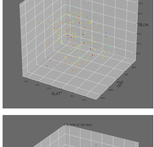
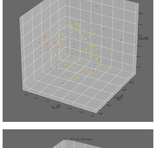
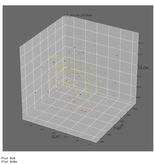
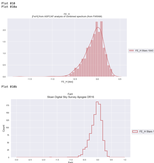






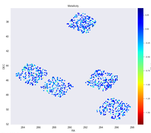




Plot 8b4
Plot 8b4c

Plot 8b8b

Plot 8b8c



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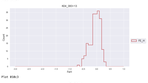
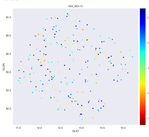
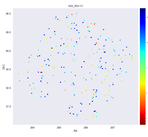
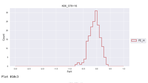


Plot 0:0:0:3







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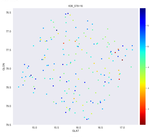

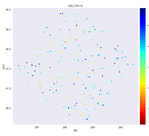

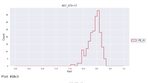

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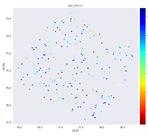

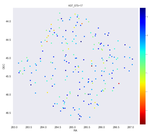

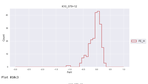

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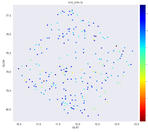

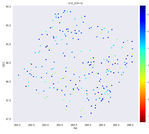

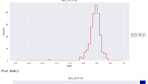

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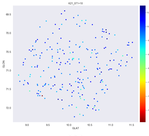

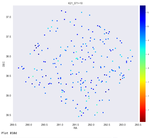

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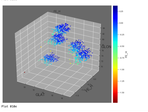

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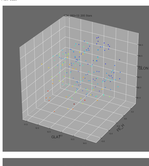
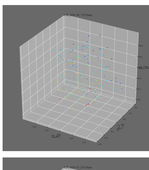
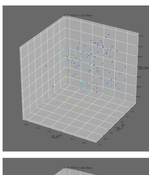
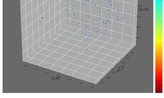
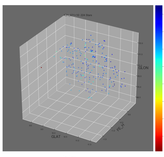


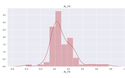


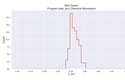


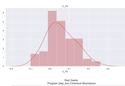




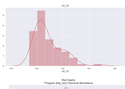
Red Cards
Program Day_Red Chemical Abundance
Count
M_FE
M_FE Stars 76


M_FE
M_FE Stars 76


Red Cards
Program Day_Red Chemical Abundance
Count
C_FE
C_FE Stars 76


C_FE
C_FE Stars 76

Red Cards
Program Day_Red Chemical Abundance
Count
CN_FE
CN_FE Stars 76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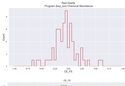
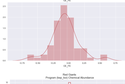
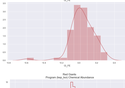
CN_FE Stars 76


Red Cards
Program Day_Red Chemical Abundance
Count
OH_FE
OH_FE Stars 67


OH_FE
OH_FE Stars 67

Red Cards
Program Day_Red Chemical Abundance
Count
CI_FE
CI_FE Stars 77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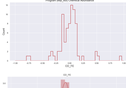
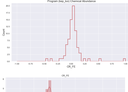
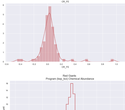
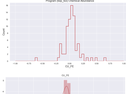
CI_FE Stars 77


Red Cards
Program Day_Red Chemical Abundance
Count
CII_FE
CII_FE Stars 77

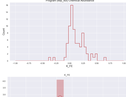
CII_FE
CII_FE Stars 77


Red Cards
Program Day_Red Chemical Abundance
Count
CR_FE
CR_FE Stars 76

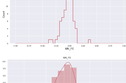

CR_FE
CR_FE Stars 76

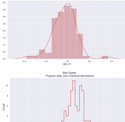

Red Cards
Program Day_Red Chemical Abundance
Count
CO_FE
CO_FE Stars 77

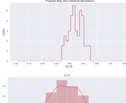
CO_FE
CO_FE Stars 77

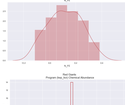

Red Cards
Program Day_Red Chemical Abundance
Count
K_FE
K_FE Stars 77

K_FE
K_FE Stars 77


Red Cards
Program Day_Red Chemical Abundance
Count
MN_FE
MN_FE Stars 76


MN_FE
MN_FE Stars 76


Red Cards
Program Day_Red Chemical Abundance
Count
NI_FE
NI_FE Stars 77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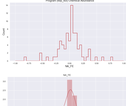
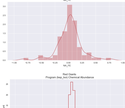
NI_FE Stars 77


Red Cards
Program Day_Red Chemical Abundance
Count
NA_FE
NA_FE Stars 77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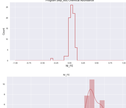
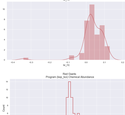
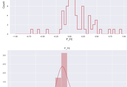
NA_FE Stars 77


Red Cards
Program Day_Red Chemical Abundance
Count
N_FE
N_FE Stars 76


N_FE
N_FE Stars 76

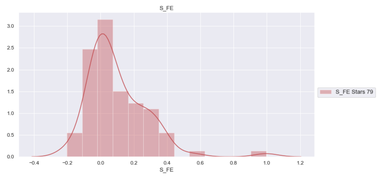
Red Cards
Program Day_Red Chemical Abundance
Count
O_FE
O_FE Stars 68

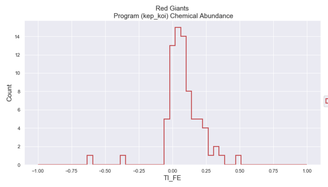
O_FE
O_FE Stars 68

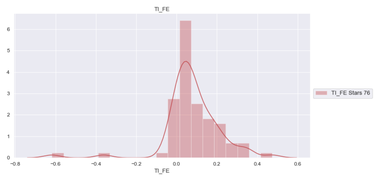

Red Cards
Program Day_Red Chemical Abundance
Count
P_FE
P_FE Stars 76

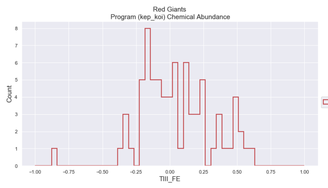
P_FE
P_FE Stars 76

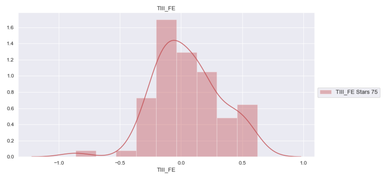
Red Cards
Program Day_Red Chemical Abundance
Count
S_FE
S_FE Stars 76

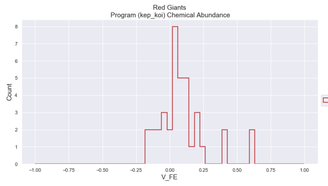


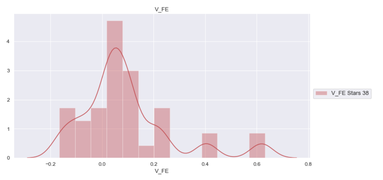


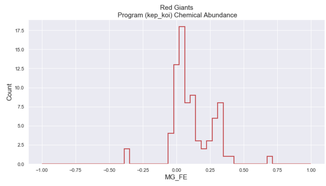


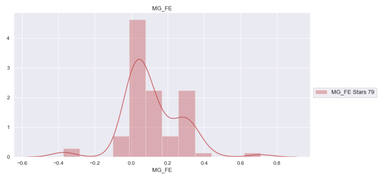


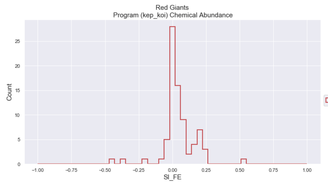


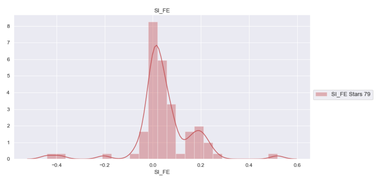










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Class O: 0
Class B: 4
Class A: 46
Class F: 167
Class G: 415
Class K: 366
Class M: 19
Class L: 0
Class T: 0

Fd: 260
GKd: 637
GKg: 144
Md: 21
Mg: 1

All: Stars 1090

BA: Stars 0

Fd_a: Stars 49
Fd_b: Stars 71
Fd_c: Stars 94
Fd_d: Stars 24

GKd_a: Stars 117
GKd_b: Stars 209
GKd_c: Stars 244
GKd_d: Stars 67

GKg_a: Stars 18
GKg_b: Stars 42
GKg_c: Stars 61
GKg_d: Stars 23

Md_a: Stars 6
Md_b: Stars 5
Md_c: Stars 8
Md_d: Stars 2

Mg_a: Stars 0
Mg_b: Stars 0
Mg_c: Stars 1
Mg_d: Stars 0

Fields: ['K04_083+13' 'K06_078+16' 'K07_075+17' 'K10_079+12' 'K21_071+10']

Program: kep_koi


Done!
```

In [2]: