```
Python 3.7.8 (default, Jul 28 2020, 07:20:54)
[GCC 7.3.0] :: Anaconda, Inc. on linux2 Type "help", "copyright", "credits" or "license" for more information.
IPython 7.2.0 -- An enhanced Interactive Python.

In [1]: runfile('/Users/josephbarsinski/Desktop By Programme Dir', wdir='/Users/josephbarsinski')
/Users/josephbarsinski/anaconda3/bin/python
Using matplotlib backend: Qt5Agg

Class 1: 147
Class 2: 1
Class 3: 2187
Class 4: 5238
Class 5: 1398
Class 6: 2148
Class 7: 1148
Class 8: 1
Class 9: 1019
Class 10: 1

Fit KS22
BAL: 5148
BAL: 5148
Fit SNe1a
Fit SNII

Kill Stars 47387

Mk: Stars 5238

Mg_g: Stars 5238
Mg_r: Stars 5238
Mg_i: Stars 5238
Mg_z: Stars 5238

SNR_g: Stars 20894
SNR_r: Stars 20894
SNR_i: Stars 20894
SNR_z: Stars 12953

Dbg_g: Stars 59828
Dbg_r: Stars 59828
Dbg_i: Stars 59828
Dbg_z: Stars 59828

Mg_g: Stars 7929
Mg_r: Stars 7929
Mg_i: Stars 7929
Mg_z: Stars 7929

Mg_g: Stars 21268
Mg_r: Stars 21268
Mg_i: Stars 21268
Mg_z: Stars 21268

Fields: 2'2000-03-1''0000-02''1000-02-02'' ..., 'moving_groups' 'ivr1pc' 'ivr1'

Bulge: 2219
main_sequence: 525
subgiants: 1
red_giants: 1
red_giants: 1

cvz_main: 8361
main_sequence: 1887
subgiants: 461
red_giants: 1
red_giants: 5129

Main: 17614
main_sequence: 4476
subgiants: 1092
red_giants: 11046
red_giants: 5238

Main_Dbg: 3861
main_sequence: 1962
subgiants: 354
red_giants: 1545
red_giants: 1390

Main_dwarf: 7347
main_sequence: 1962
subgiants: 84
red_giants: 1
red_giants: 5211

Main_sliver: 7739
main_sequence: 1962
subgiants: 108
red_giants: 1
red_giants: 5663

Main_giant: 3
main_sequence: 1236
subgiants: 1
red_giants: 1
red_giants: 5663

Main_sliver: 3
main_sequence: 1236
subgiants: 1
red_giants: 1
red_giants: 5663

Main_dwarf: 3
main_sequence: 1236
subgiants: 1
red_giants: 1
red_giants: 5663

Disk: 30111
main_sequence: 7984
subgiants: 1
subgiants: 37
red_giants: 1
red_giants: 18046

Halo: 18870
main_sequence: 2888
subgiants: 1
subgiants: 1
red_giants: 1
red_giants: 15980

Sgr: 1211
main_sequence: 53
subgiants: 1
subgiants: 1
red_giants: 1154

Sgr_clump: 263
main_sequence: 75
subgiants: 1
subgiants: 1
red_giants: 1
red_giants: 1

cluster_gc: 5470
main_sequence: 1450
subgiants: 40
subgiants: 1
red_giants: 4179

cluster_gc: 3181
main_sequence: 1174
subgiants: 1
subgiants: 1
red_giants: 1
red_giants: 1

cluster_gc: 967
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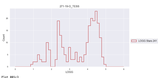

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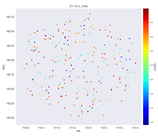

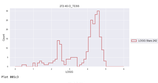

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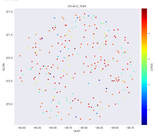

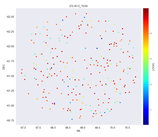

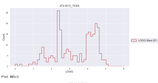

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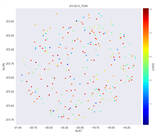

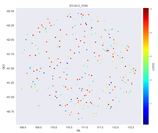

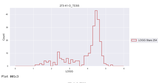

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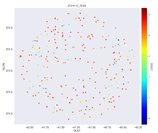

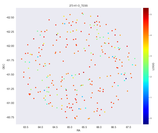

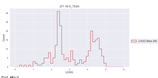

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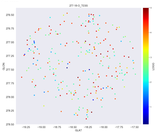

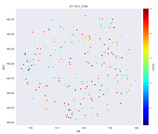

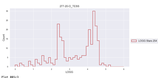

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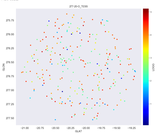

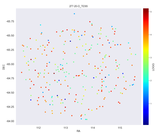

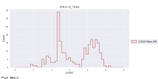

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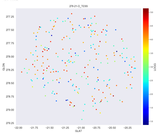

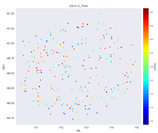

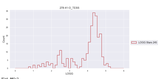

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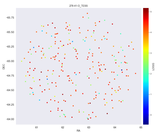

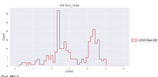

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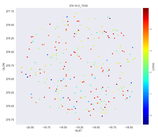

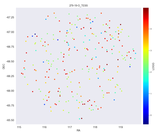

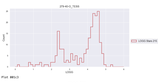

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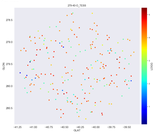

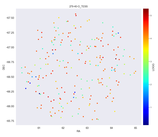

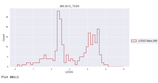

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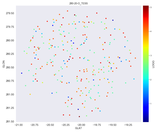

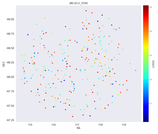

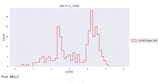

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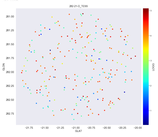

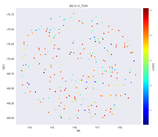

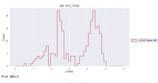

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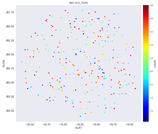

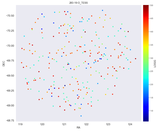

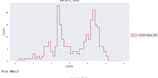

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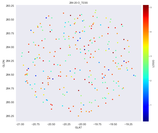

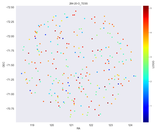

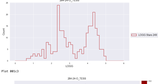

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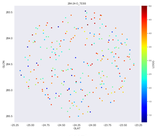

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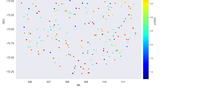

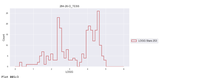

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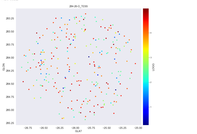

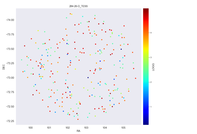

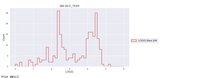

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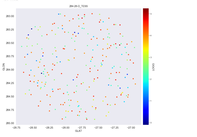

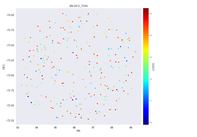

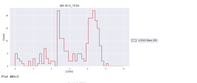

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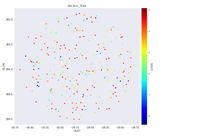

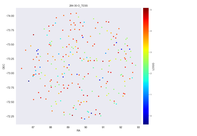

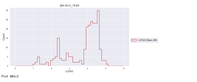

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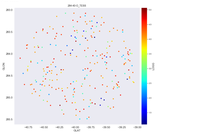

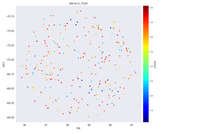

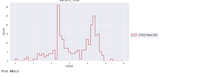

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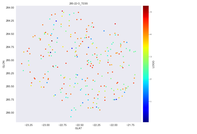

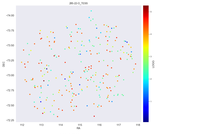

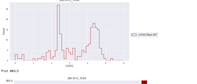

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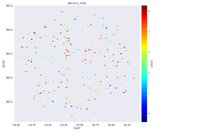

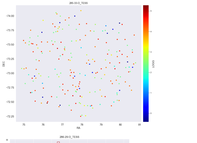

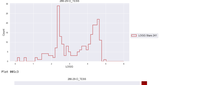

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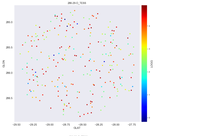

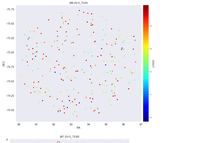

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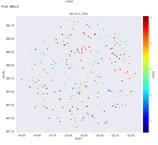

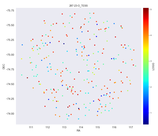

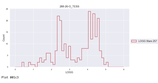

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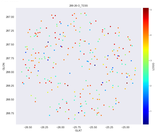

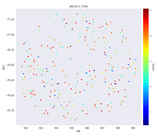

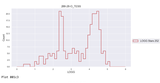

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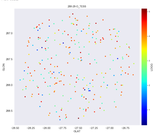

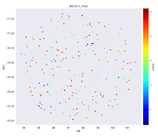

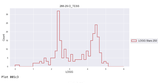

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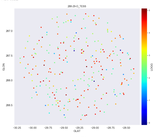

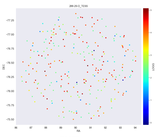

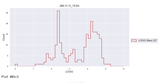

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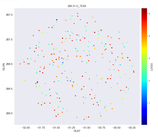

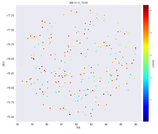

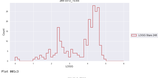

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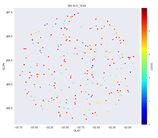

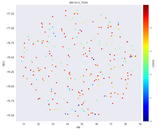

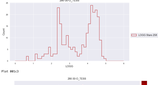

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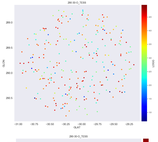

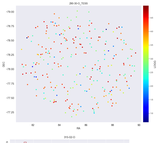

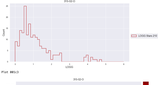

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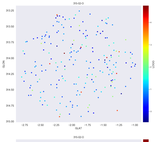
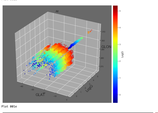


Plot 86LD

Plot MM12



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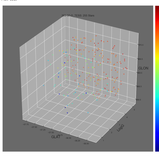
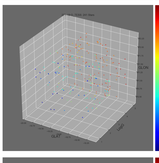
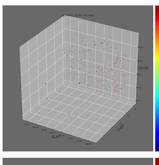
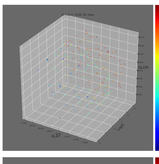
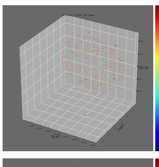
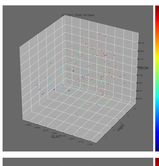


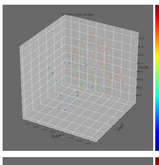


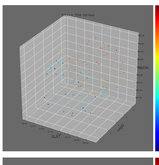


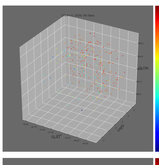


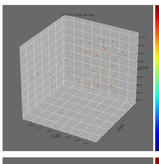


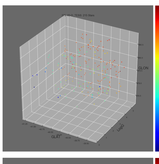


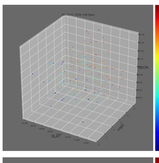


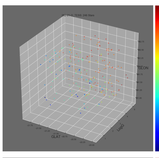


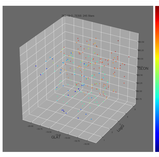


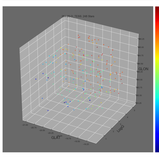


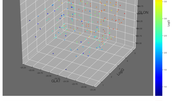


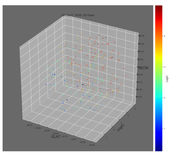


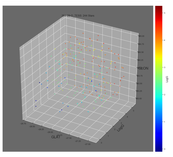


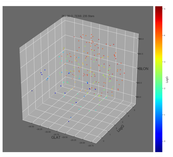


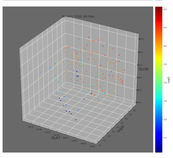


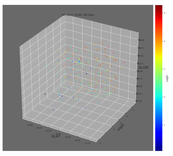


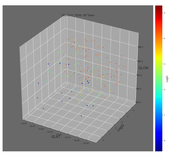


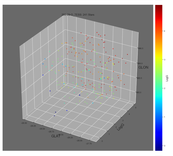


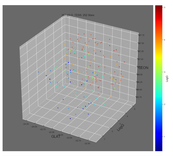


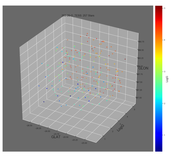


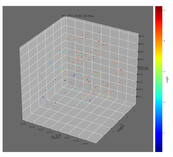


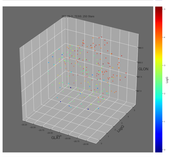


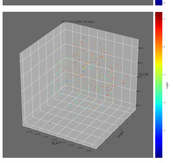


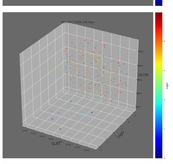


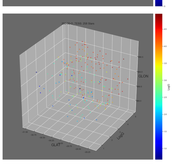


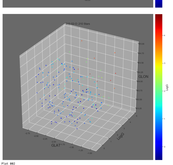


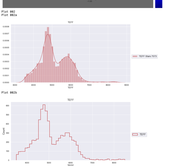








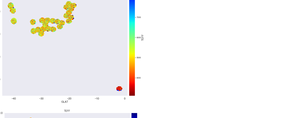




Plot 2D
Plot Mels

Plot Mels

Plot Mels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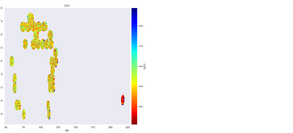
NH
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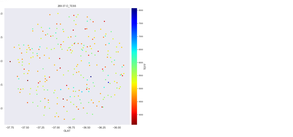
Plot 86b2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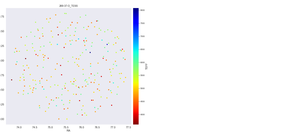
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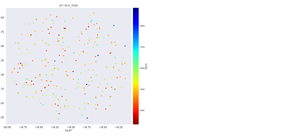
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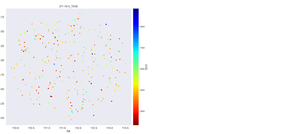
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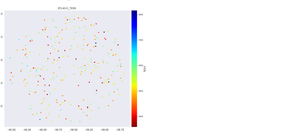
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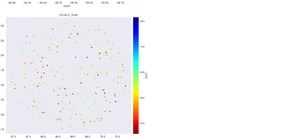
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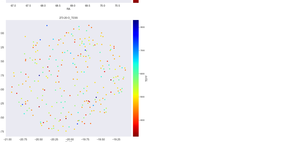
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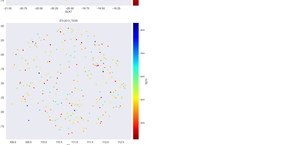
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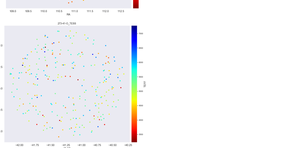
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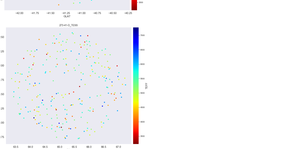
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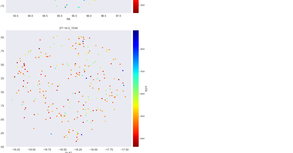
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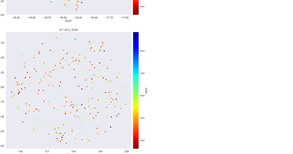
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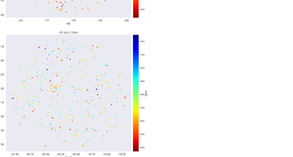
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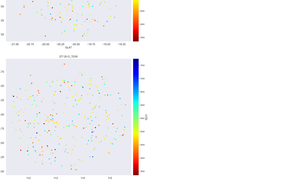
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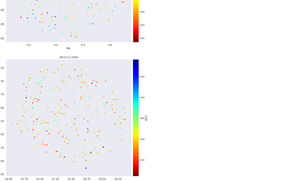
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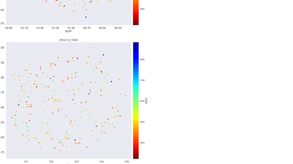
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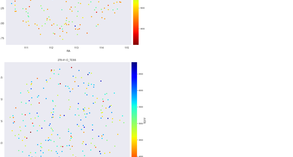
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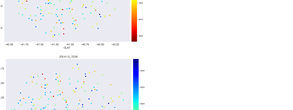
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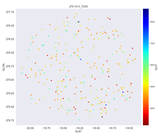
(29-0-0_TOD)
Dec
Ra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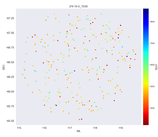
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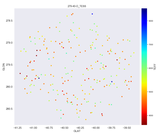
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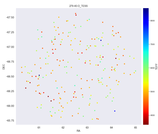
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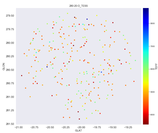
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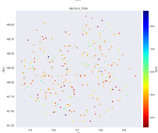
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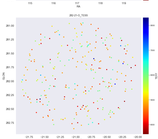
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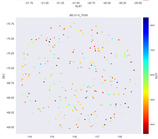
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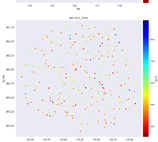
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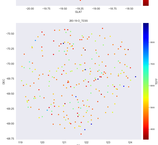
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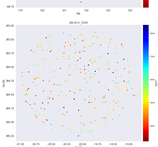
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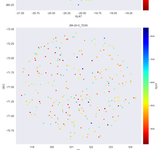
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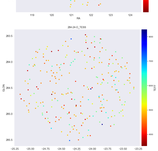
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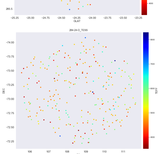
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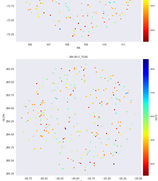
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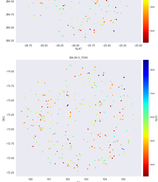
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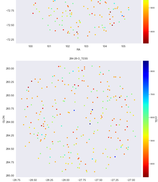
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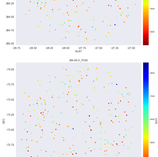
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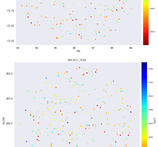
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(29-2-3_TOD)
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(29-2-4_TOD)
Dec
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(29-2-6_TOD)
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(29-2-7_TOD)
Dec
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(29-2-8_TOD)
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(29-3-0_TOD)
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(29-3-1_TOD)
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(29-3-2_TOD)
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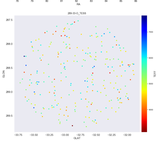

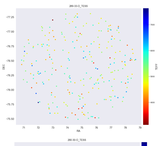

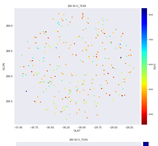

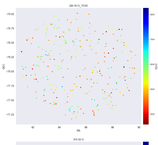

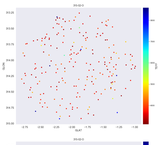

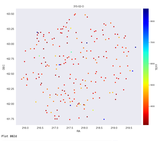

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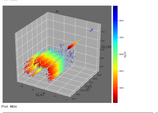
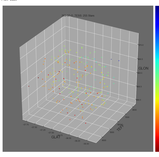
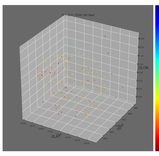
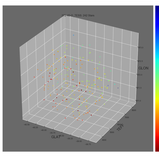
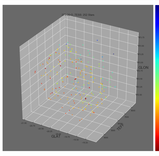


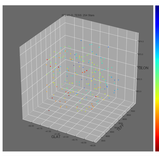
Plot Data

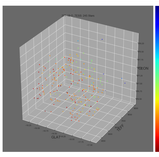


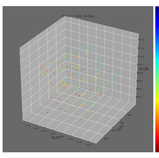


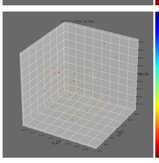


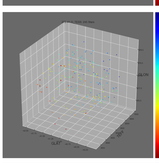


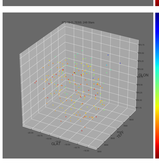


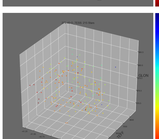


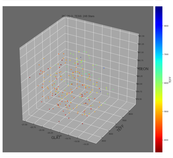


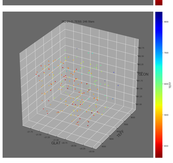


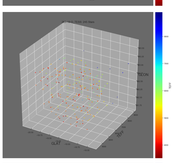


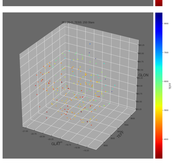


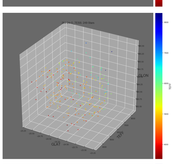


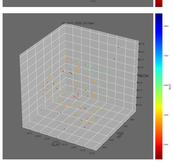


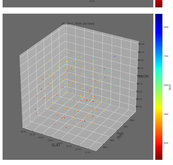


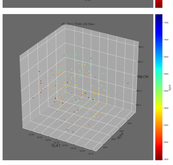


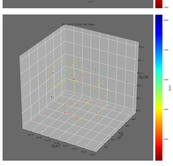


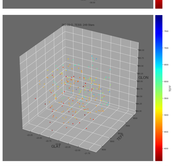


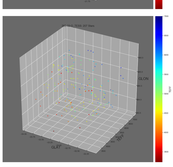


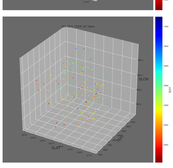


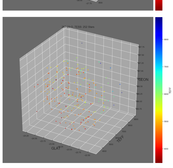


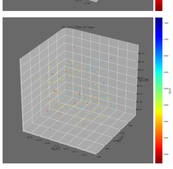


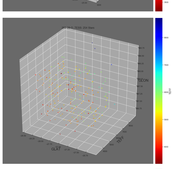


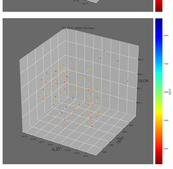


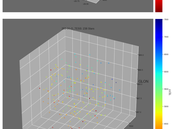


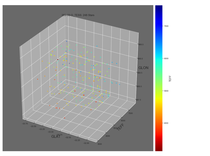


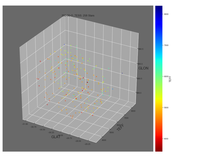


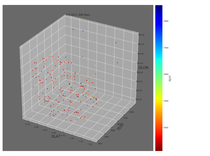












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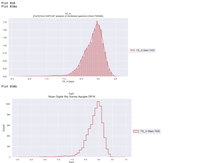
Fit: 2x0x



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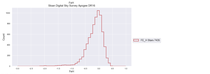

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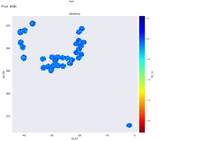

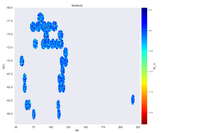

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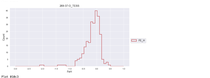

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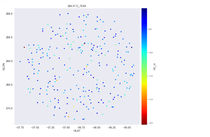

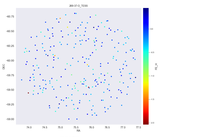

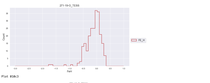

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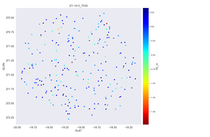

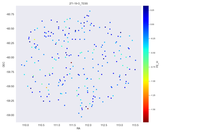

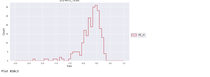

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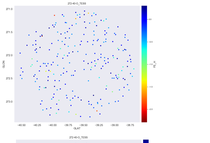

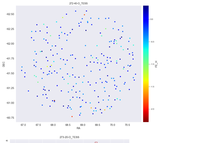

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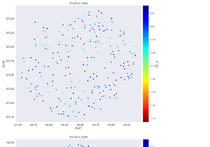

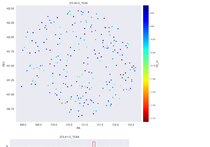

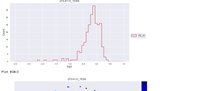

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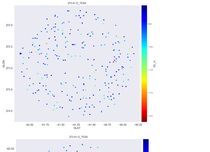

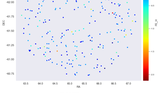

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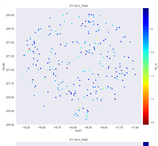

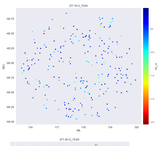

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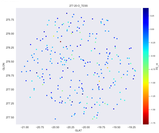

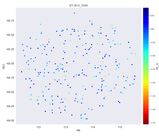

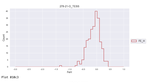

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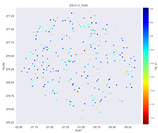

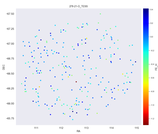

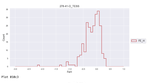

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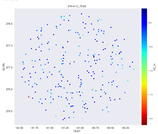

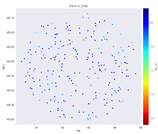

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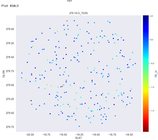

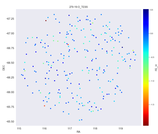

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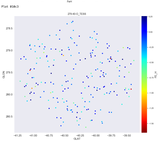

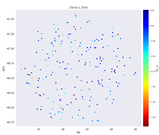

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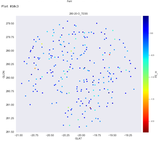

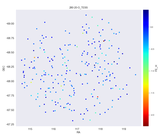

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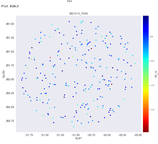

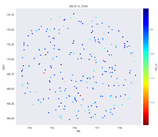

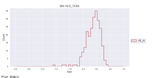

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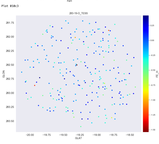

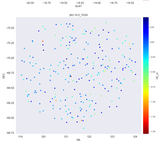

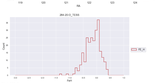

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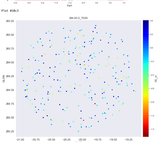

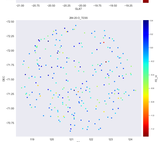

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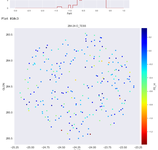

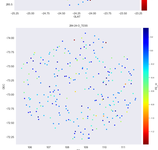

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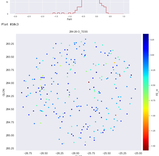

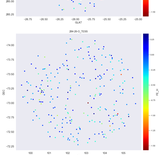

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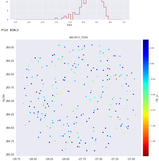

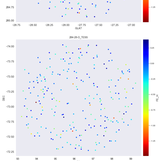

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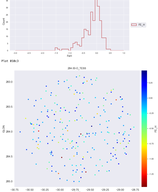

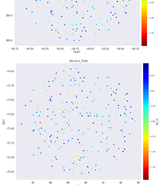

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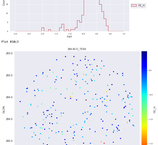

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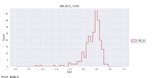
Plot #28-3

Plot #28-3



Plot #28-3

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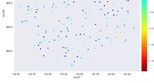
Plot #28-3



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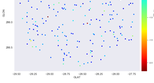

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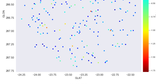

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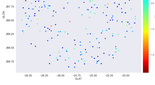

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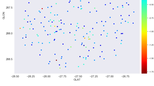

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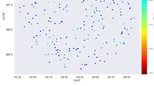
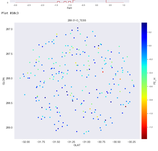
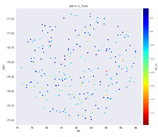


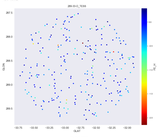
Plot #28-3

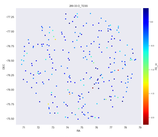
Plot ESA3





Plot ESA3





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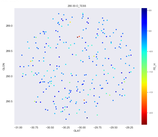

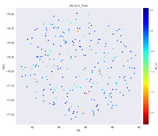

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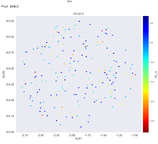
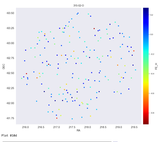
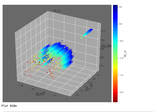
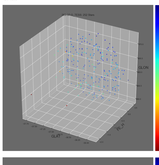


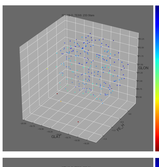


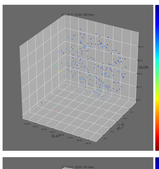
Plot ESA4

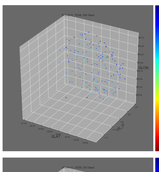


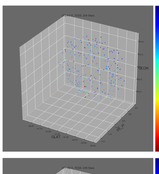
Plot ESA4

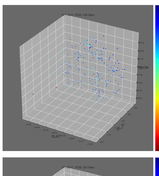


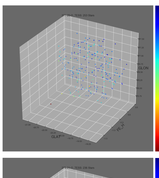


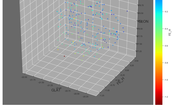
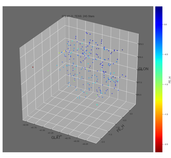
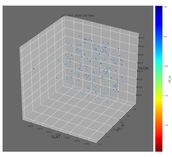
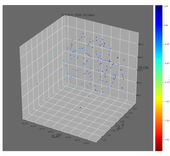
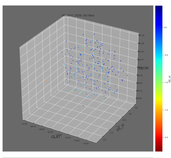
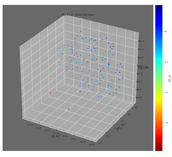
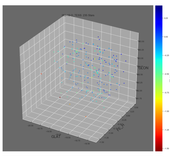
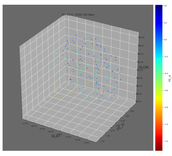
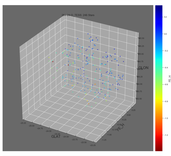
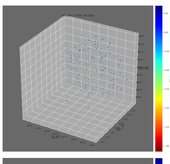
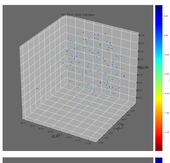
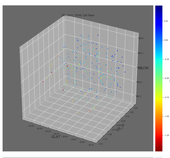
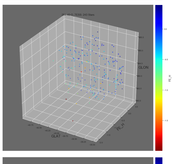
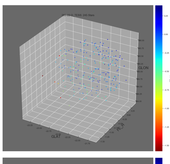
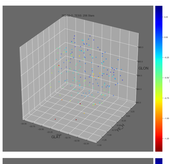
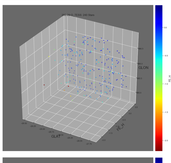
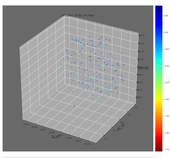


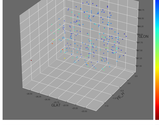


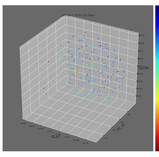







Fast Cards
Program: Fracture Gradients_ Thy Chemical Boundaries
GLAT
GLON
Z_C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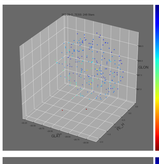
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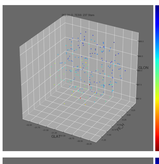
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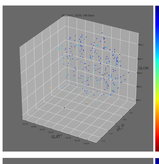
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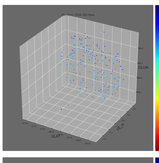
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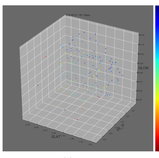
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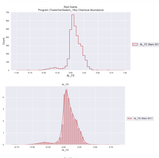
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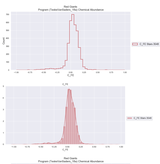
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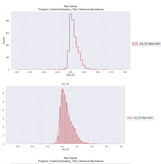
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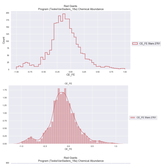
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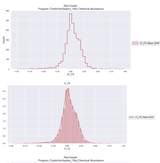
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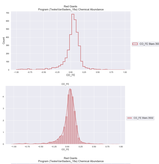
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GLAT
GLON
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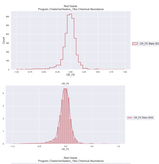
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Program: Fracture Gradients_ Thy Chemical Boundaries
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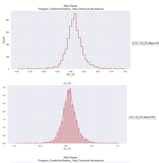
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Program: Fracture Gradients_ Thy Chemical Boundaries
GLAT
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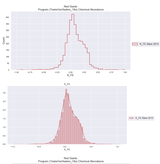
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Program: Fracture Gradients_ Thy Chemical Boundaries
GLAT
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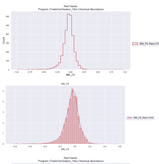

Fast Cards
Program: Fracture Gradients_ Thy Chemical Boundaries
GLAT
GLON
Z_C

Fast Cards
Program: Fracture Gradients_ Thy Chemical Boundaries
Count
X_FG_Stress (E/C)

Count
X_FG_Stress (E/C)

Fast Cards
Program: Fracture Gradients_ Thy Chemical Boundaries
Count
Y_FG_Stress (N/M)

Count
Y_FG_Stress (N/M)

Fast Cards
Program: Fracture Gradients_ Thy Chemical Boundaries
Count
Z_FG_Stress (BH/C)

Count
Z_FG_Stress (BH/C)

Fast Cards
Program: Fracture Gradients_ Thy Chemical Boundaries
Count
Z_FG_Stress (DW/C)

Count
Z_FG_Stress (DW/C)

Fast Cards
Program: Fracture Gradients_ Thy Chemical Boundaries
Count
Z_FG_Stress (BH/T)

Count
Z_FG_Stress (BH/T)

Fast Cards
Program: Fracture Gradients_ Thy Chemical Boundaries
Count
Z_FG_Stress (DW/T)

Count
Z_FG_Stress (DW/T)

Fast Cards
Program: Fracture Gradients_ Thy Chemical Boundaries
Count
Z_FG_Stress (B/E)

Count
Z_FG_Stress (B/E)

Fast Cards
Program: Fracture Gradients_ Thy Chemical Boundaries
Count
Z_FG_Stress (D/E)

Count
Z_FG_Stress (D/E)

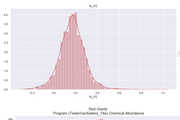
Fast Cards
Program: Fracture Gradients_ Thy Chemical Boundaries
Count
Z_FG_Stress (N/E)

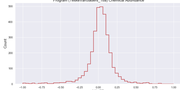
Count
Z_FG_Stress (N/E)

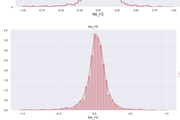
Fast Cards
Program: Fracture Gradients_ Thy Chemical Boundaries
Count
Z_FG_Stress (N/W)

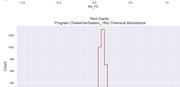
Count
Z_FG_Stress (N/W)

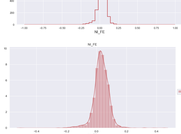
Fast Cards
Program: Fracture Gradients_ Thy Chemical Boundaries
Count

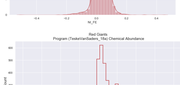


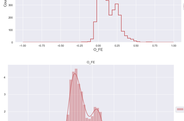


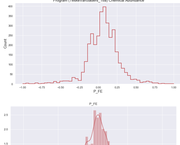


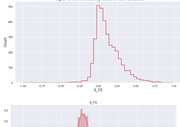


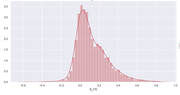


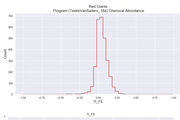


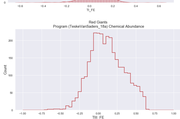


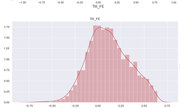


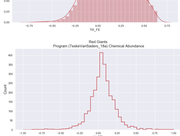


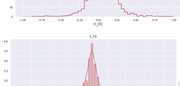


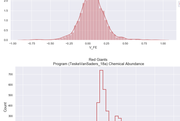


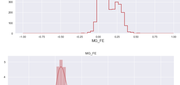


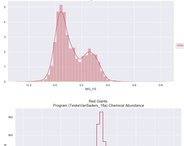


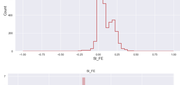


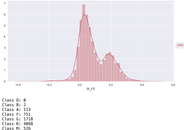










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Class F: 721
Class G: 1718
Class K: 3011
Class M: 526
Class L: 18
Class T: 12

FG: 1364
FGK: 3077
GKp: 2408
MG: 248
Mg: 441

All: Stars 7581

Mn: Stars 75

Fe_a: Stars 670
Fe_b: Stars 214
Fe_c: Stars 235
Fe_d: Stars 137

GKd_a: Stars 1808
GKd_b: Stars 1269
GKd_c: Stars 304
GKd_d: Stars 185

GKg_a: Stars 1676
GKg_b: Stars 778
GKg_c: Stars 154
GKg_d: Stars 325

Mg_a: Stars 128
Mg_b: Stars 51
Mg_c: Stars 53
Mg_d: Stars 16

Mg_a: Stars 228
Mg_b: Stars 87
Mg_c: Stars 84
Mg_d: Stars 44

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Program: TeskeVanSadders_18a

Done!

$ ipd:
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