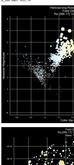
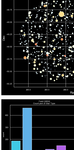
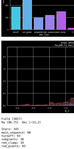
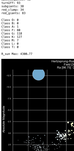
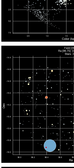
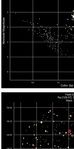
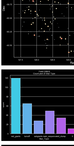
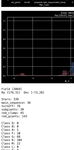
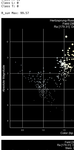
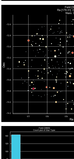
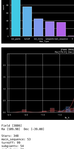
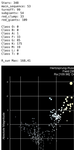
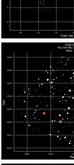
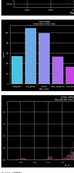
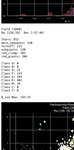
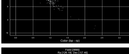
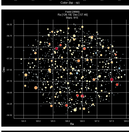
```
Python 3.7.8 (default, Jun 24 2020, 07:20:10)
[GCC 4.2.1 Compatible Apple LLVM 9.1.0 (clang-902.0.39.2)] on darwin.
Type "help", "copyright", "credits" or "license" for more information.
IPython 7.13.0 -- An enhanced Interactive Python.
In [1]: runfile('/Users/jonathanjones/Code/AM-PM-Fields.py', wdir='/Users/jonathanjones')
Using/jonathanjones/Code/venv/bin/ipykernel_launcher
Loading Data...
Other functions loaded

Step 000

Step 001
Additional Fields Added Done!

Step 002

Step 003 Print Fields.

Step 004 Print Columns

Field [0000]
Mu [0.0] Dec [-0.00,52]

Shape: [60]
mean_sunspots: 0.0
sunspots: [0]
subgroups: [0]
subregions: [0]
num_points: [0]

Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: [0]
Class F: [0]
Class G: 0
Class H: 0
Class I: 0

m_sun Max: 452.76













Field [0001]
Mu [0.0] Dec [-0.0,2]

Shape: [60]
mean_sunspots: 0.0
sunspots: [0]
subgroups: [0]
num_points: [0]

Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 0
Class F: 0
Class G: [0]
Class H: [0]
Class I: 0

m_sun Max: -0.00,17






Field [0002]
Mu [2.0,47] Dec [-0.0,52]

Shape: [60]
mean_sunspots: 0.0
sunspots: [0]
subgroups: [0]
num_points: [0]

Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 0
Class F: 0
Class G: 0
Class H: [0]
Class I: [0]

m_sun Max: [0.0,0]













Field [0003]
Mu [29.0] Dec [-0.0,26]

Shape: [60]
mean_sunspots: 0.0
sunspots: [0]
subgroups: [0]
num_points: [0]

Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 0
Class F: 0
Class G: [0]
Class H: [0]
Class I: 0

m_sun Max: [0.0,1]













Field [0004]
Mu [120.0] Dec [-0.00,60]

Shape: [60]
mean_sunspots: 0.0
sunspots: [0]
subgroups: [0]
num_points: [0]

Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 0
Class F: 0
Class G: [0]
Class H: [0]
Class I: 0

m_sun Max: [0.0,0]













Field [0005]
Mu [120.0] Dec [-0.00,48]

Shape: [60]
mean_sunspots: 0.0
sunspots: [0]
subgroups: [0]
num_points: [0]

Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 0
Class F: 0
Class G: 0
Class H: 0
Class I: [0]

m_sun Max: [0.0,0]













Field [0006]
Mu [120.0] Dec [-0.00,48]

Shape: [60]
mean_sunspots: 0.0
sunspots: [0]
subgroups: [0]
num_points: [0]

Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 0
Class F: 0
Class G: 0
Class H: 0
Class I: [0]

m_sun Max: [0.0,0]
```





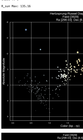
Class Distribution
Class Distribution
Class Distribution

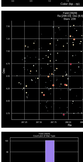
Field [0001]
Mw [0.00,0.0] Dmn [0,0]

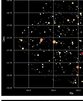
Nparts: 238
max_separation: 0
nsplits: 0
subparts: 0
rot_angle: 0
rot_prefer: 180

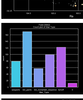
Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 13
Class 4: 0
Class 5: 38
Class 6: 0
Class 7: 0
Class 8: 0

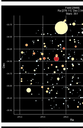
N_cut_Max: [35,0]

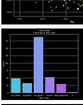


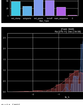


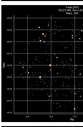


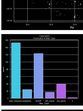


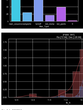












Field [0002]
Mw [0.00,0.0] Dmn [0,0]

Nparts: 238
max_separation: 0
nsplits: 0
subparts: 0
rot_angle: 0
rot_prefer: 180

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 13
Class 4: 0
Class 5: 38
Class 6: 0
Class 7: 0
Class 8: 0

N_cut_Max: 47,44

Field [0003]
Mw [0.00,0.0] Dmn [-1.00,0.0]

Nparts: 238
max_separation: 0
nsplits: 0
subparts: 0
rot_angle: 0
rot_prefer: 180

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 13
Class 4: 0
Class 5: 38
Class 6: 0
Class 7: 0
Class 8: 0

N_cut_Max: [0,0]

Field [0004]
Mw [0.00,0.0] Dmn [-1.00,0.0]

Nparts: 238
max_separation: 0
nsplits: 0
subparts: 0
rot_angle: 0
rot_prefer: 180

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 13
Class 4: 0
Class 5: 38
Class 6: 0
Class 7: 0
Class 8: 0

N_cut_Max: [0,0]

Field [0005]
Mw [0.00,0.0] Dmn [-1.00,0.0]

Nparts: 238
max_separation: 0
nsplits: 0
subparts: 0
rot_angle: 0
rot_prefer: 180

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 13
Class 4: 0
Class 5: 38
Class 6: 0
Class 7: 0
Class 8: 0

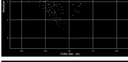
N_cut_Max: [0,0]

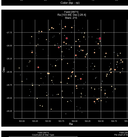
Field [0006]
Mw [0.00,0.0] Dmn [-1.00,0.0]

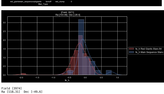
Nparts: 238
max_separation: 0
nsplits: 0
subparts: 0
rot_angle: 0
rot_prefer: 180

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 13
Class 4: 0
Class 5: 38
Class 6: 0
Class 7: 0
Class 8: 0

N_cut_Max: [0,0]



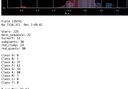


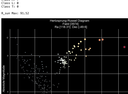


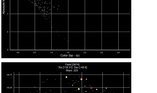
Field 24004
Ra 21:28.317 Dec 0:48.62

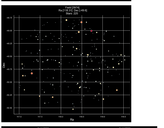
Objects: 1001
Sky_sequence: 10
Sky@UTC: 72
Sky_version: 0
red_index: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 52
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0

A_par_Max: 50.52





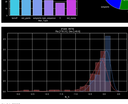


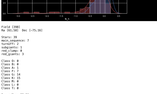


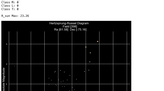
Field 24005
Ra 22:03.0 Dec 1:35.367

Objects: 98
Sky_sequence: 2
Sky@UTC: 72
Sky_version: 0
red_index: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0

A_par_Max: 23.26



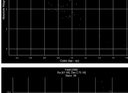


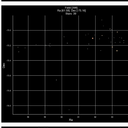


Field 24007
Ra 22:40.562 Dec 1:31.852

Objects: 1001
Sky_sequence: 10
Sky@UTC: 72
Sky_version: 0
red_index: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 26
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0

A_par_Max: 115.54

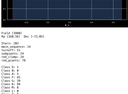


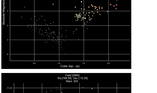


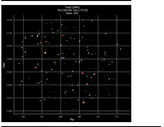
Field 24008
Ra 23:02.3 Dec 1:48.322

Objects: 1070
Sky_sequence: 76
Sky@UTC: 108
Sky_version: 0
red_index: 108
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 122
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0

A_par_Max: 206.27



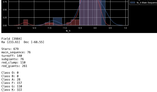


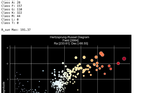


Field 24009
Ra 23:40.1 Dec 2:16.981

Objects: 1001
Sky_sequence: 101
Sky@UTC: 72
Sky_version: 0
red_index: 0
Sky_period: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0
Class Ob: 0

A_par_Max: 24.7



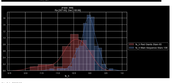


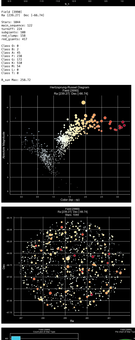
Field 2380
RA 12:00:00 Dec 2:46.782

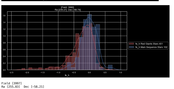
Magnitudes
main_sequence: 157
main_giant: 122
subgiants: 180
giants: 70
red_giants: 140

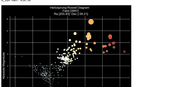
Class O: 0
Class B: 0
Class A: 0
Class F: 0
Class G: 128
Class K: 0
Class M: 114
Class L: 0
Class T: 0
Class Y: 0

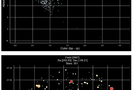
N_star_Mass: 2148.72

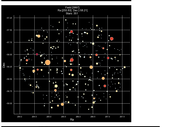


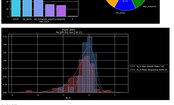


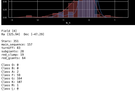


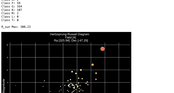


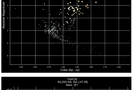


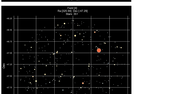


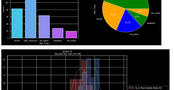


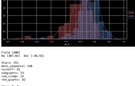


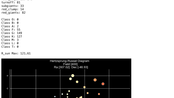


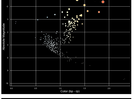


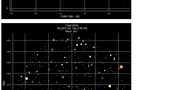


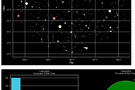


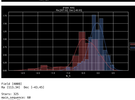


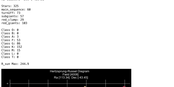


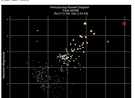


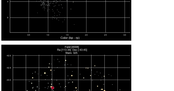


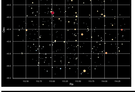


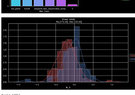


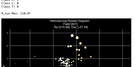












Field 2381
RA 12:00:00 Dec 3:58.211

Magnitudes
main_sequence: 32
main_giant: 0
subgiants: 30
giants: 0
red_giants: 148

Class O: 0
Class B: 0
Class A: 0
Class F: 0
Class G: 0
Class K: 148
Class M: 0
Class L: 0
Class T: 0
Class Y: 0

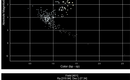
N_star_Mass: 434.35

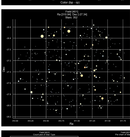
Field 2382
RA 12:00:00 Dec 5:37.561

Magnitudes
main_sequence: 148
main_giant: 0
subgiants: 35
giants: 0
red_giants: 82

Class O: 0
Class B: 0
Class A: 0
Class F: 0
Class G: 0
Class K: 82
Class M: 0
Class L: 0
Class T: 0
Class Y: 0

N_star_Mass: 315.81



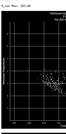
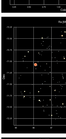
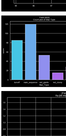
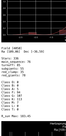
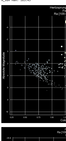


Classification
Classification Percent Distribution
Sun Oct 26 2008 (Day 300)
Classes
Percent
Classes
Percent
Classes
Percent

Field 2482?
Ra [68.8] Dec [-70.8]

Starts: 380
mean_separation 0.238
mag_cutoff 20
sub_cutoff 0.5
rad_cutoff 0.5
neg_prefactor 75

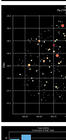
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 0
Class 6: 0
Class 7: 128
Class 8: 128
Class 9: 0
Class 10: 0
Class 11: 0
N_star_Max: 256.00

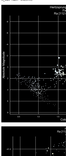
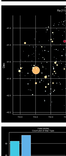






Field 2483?
Ra [71.2] Dec [-70.8]

Starts: 386
mean_separation 0.238
mag_cutoff 20
sub_cutoff 0.5
rad_cutoff 0.5
neg_prefactor 75

Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 0
Class 6: 0
Class 7: 64
Class 8: 192
Class 9: 0
Class 10: 0
Class 11: 0
N_star_Max: 256.00

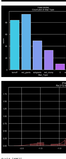
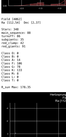
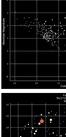
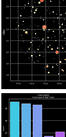
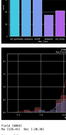


Field 2484?
Ra [73.6] Dec [-70.8]

Starts: 377
mean_separation 0.237
mag_cutoff 20
sub_cutoff 0.5
rad_cutoff 0.5
neg_prefactor 75

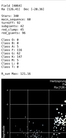
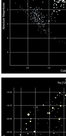
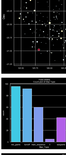
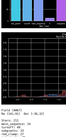
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 0
Class 6: 0
Class 7: 128
Class 8: 128
Class 9: 0
Class 10: 0
Class 11: 0
N_star_Max: 1440.00

Field 2485?
Ra [76.0] Dec [-70.8]

Starts: 390
mean_separation 0.238
mag_cutoff 20
sub_cutoff 0.5
rad_cutoff 0.5
neg_prefactor 75

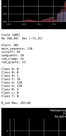
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 0
Class 6: 0
Class 7: 128
Class 8: 128
Class 9: 0
Class 10: 0
Class 11: 0
N_star_Max: 256.00

Field 2486?
Ra [78.4] Dec [-70.8]

Starts: 388
mean_separation 0.238
mag_cutoff 20
sub_cutoff 0.5
rad_cutoff 0.5
neg_prefactor 75

Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 0
Class 6: 0
Class 7: 192
Class 8: 64
Class 9: 0
Class 10: 0
Class 11: 0
N_star_Max: 256.00



Field 2487?
Ra [80.8] Dec [-70.8]

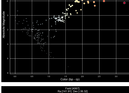
Starts: 384
mean_separation 0.238
mag_cutoff 20
sub_cutoff 0.5
rad_cutoff 0.5
neg_prefactor 75

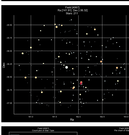
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 0
Class 6: 0
Class 7: 192
Class 8: 64
Class 9: 0
Class 10: 0
Class 11: 0
N_star_Max: 256.00

Field 2488?
Ra [83.2] Dec [-70.8]

Starts: 382
mean_separation 0.238
mag_cutoff 20
sub_cutoff 0.5
rad_cutoff 0.5
neg_prefactor 75

Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 0
Class 6: 0
Class 7: 128
Class 8: 128
Class 9: 0
Class 10: 0
Class 11: 0
N_star_Max: 256.00

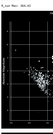


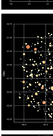


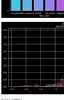
Classification Count
Classification Percent Distribution
Pie Chart
Class 0
Class 1
Class 2
Class 3
Class 4
Class 5
Class 6
Class 7
Class 8
Class 9
Class 10
Class 11
Class 12
Class 13
Class 14
Class 15
Class 16
Class 17
Class 18
Class 19
Class

Field 24007
Mv [20.00] Ser [-10.67]

Source: 875
Source_sequence: 154
SourceID: 1000
Sourceflag: 0
red_count: 21
Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 100
Class 6: 0
Class 7: 0
Class 8: 0
Class 9: 0
g_sum Mass: [64.0]

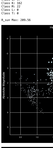


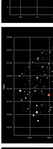


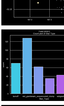


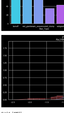
Field 24007
Mv [18.81] Ser [-10.41]

Source: 1000
SourceID: 1000
Sourceflag: 10
red_count: 21
Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 100
Class 6: 0
Class 7: 0
Class 8: 0
Class 9: 0
g_sum Mass: [89.9]



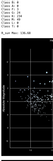


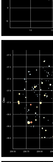




Field 24007
Mv [18.9] Ser [-10.50]

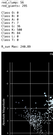
Source: 900
Sourceflag: 10
Sourceflag: 10
red_count: 21
Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 100
Class 6: 0
Class 7: 0
Class 8: 0
Class 9: 0
g_sum Mass: [18.9]

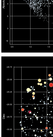




Field 24007
Mv [18.88] Ser [-10.52]

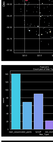
Source: 600
Sourceflag: 10
Sourceflag: 110
red_count: 21
Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 100
Class 6: 0
Class 7: 0
Class 8: 0
Class 9: 0
g_sum Mass: [98.8]





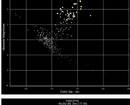
Field 24007
Mv [18.82] Ser [-10.05]

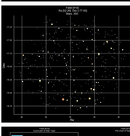
Source: 947
Source_sequence: 165
Sourceflag: 10
red_count: 21
Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 100
Class 6: 0
Class 7: 0
Class 8: 0
Class 9: 0
g_sum Mass: [16.8]



Field 24007
Mv [18.88] Ser [-10.82]

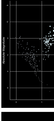
Source: 900
Source_sequence: 165
Sourceflag: 0
red_count: 21
Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 100
Class 6: 0
Class 7: 0
Class 8: 0
Class 9: 0
g_sum Mass: [47.8]

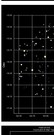




Classification
Classification Confusion Matrix
Pie Chart
Class 0
Class 1
Class 2
Class 3
Class 4
Class 5
Class 6
Class 7
Class 8
Class 9
Class 10
Class 11
Class 12
Class 13
Class 14
Class 15
Class 16
Class 17
Class 18
Class 19
Class

Class Distribution
Class 0
Class 1
Class 2
Class 3
Class 4
Class 5
Class 6
Class 7
Class 8
Class 9
Class 10
Class 11
Class 12
Class 13
Class 14
Class 15
Class 16
Class 17
Class 18
Class 19
Class



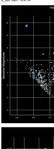


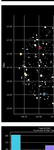
Data taken
MW [2013] Mar 1-31,352

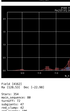
Stars: 788
mean_separation: .024
mag_cutoff: 12.0
subgraphs: 30
mag_bins: 20
red_parallel: 180

Class A: 0
Class B: 1
Class C: 0
Class D: 114
Class E: 154
Class F: 187
Class G: 0
Class H: 0
Class I: 0
Class J: 0

m_ave Max: 4.4m.29





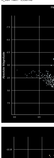


Data taken
MW [2013] Mar 1-31:361

Stars: 456
mean_separation: .08
subgraphs: 30
mag_cutoff: 12
mag_bins: 20
red_parallel: 180

Class A: 0
Class B: 0
Class C: 0
Class D: 18
Class E: 18
Class F: 114
Class G: 0
Class H: 0
Class I: 0
Class J: 0

m_ave Max: 2.0m.48

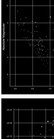


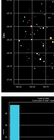
Data taken
MW [2013] Mar 1-28:362

Stars: 212
mean_separation: .08
subgraphs: 30
mag_cutoff: 12
red_parallel: 180

Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 18
Class F: 18
Class G: 0
Class H: 0
Class I: 0
Class J: 0

m_ave Max: 2.0m.48



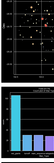


Data taken
MW [2013] Mar 1-28:72

Stars: 282
mean_separation: .08
subgraphs: 30
mag_cutoff: 12
red_parallel: 180

Class A: 0
Class B: 0
Class C: 0
Class D: 18
Class E: 18
Class F: 18
Class G: 18
Class H: 0
Class I: 0
Class J: 0

m_ave Max: 2.0m.27



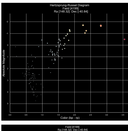
Data taken
MW [2013] Mar 1-28:31

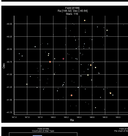
Stars: 282
mean_separation: .07
subgraphs: 30
mag_cutoff: 12
red_parallel: 180

Class A: 0
Class B: 0
Class C: 0
Class D: 18
Class E: 18
Class F: 18
Class G: 18
Class H: 0
Class I: 0
Class J: 0

m_ave Max: 0.7m.74

Class Distribution
Class 0
Class 1
Class 2
Class 3
Class 4
Class 5
Class 6
Class 7
Class 8
Class 9
Class 10
Class 11
Class 12
Class 13
Class 14
Class 15
Class 16
Class 17
Class 18
Class 19
Class



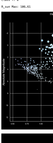


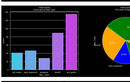
Color Cut -10.0
Mag Cut 20.0
Color Cut -10.0
Mag Cut 20.0
Color
Number
Mag Cut 20.0
Color Cut -10.0
Mag Cut 20.0
Color Cut -10.0
Mag Cut 20.0
Color Cut -10.0

Classification Output Histogram
Fri,Oct 17 Time 14:00:00
Classification Output Pie Chart
Fri,Oct 17 Time 14:00:00
Class 0
Class 1
Class 2
Class 3
Class 4
Class 5
Class 6
Class 7
Class 8
Class 9
Class 10
Class 11
Class 12
Class 13
Class 14
Class 15
Class 16
Class 17
Class 18
Class 19
Class

Class 11: 0
Class 12: 0

n_eye Mean: 180.02

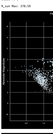


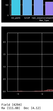

Classification
Classification Probabilities
Class 0
Class 1
Class 2
Class 3
Class 4
Class 5
Class 6
Class 7
Class 8
Class 9
Class 10
Class 11
Class 12
Class 13
Class 14
Class 15
Class 16
Class 17
Class 18
Class 19
Class

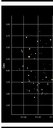
Field 24,960
Ra [225.5] Dec [6.12]

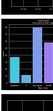
Sharp: 2381
Sharpness: [0.000,0.000]
Roughness: 0.00
Ellipticity: 0.000
Cel_index: 255
Flags: [0,0,0,0,0,0,0,0]

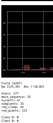
Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 0
Class 6: 0
Class 7: 0
Class 8: 0
Class 9: 0

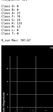


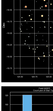


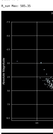


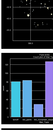


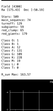


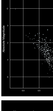


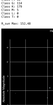


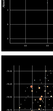


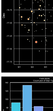






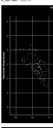


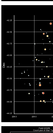


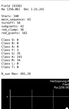


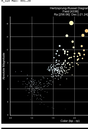
Classification Results
Total Count
Classes
Class 1
Class 2
Class 3
Class 4
Class 5
Class 6
Class 7
Class 8
Class 9
Class 10
Class 11
Class 12
Class 13
Class 14
Class 15
Class 16
Class 17
Class 18
Class 19
Class 20
Class

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 0
Class 6: 0
Class 7: 0
n_var_Max: [11.7]







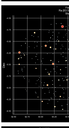


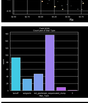
Field [4]:[6]
Ne [1.0]: Nbr [-1.0]:[6]
Stats: 262
Main_parameter: 0D
Sub_parameter: 0D
Sub_sub_parameter: 0D
Sub_sub_sub_parameter: 0D
Ind_quality: 0.02

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 0
Class 6: 0
Class 7: 0
n_var_Max: 0%,0%

Field [5]:[7]
Ne [1.0]: Nbr [-1.0]:[7]
Stats: 262
Main_parameter: 0D
Sub_parameter: 0D
Sub_sub_parameter: 0D
Sub_sub_sub_parameter: 0D
Ind_quality: 0.02

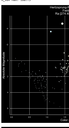
Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 0
Class 6: 0
Class 7: 0
n_var_Max: 0%,0





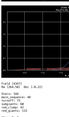
Field [6]:[8]
Ne [0.0]: Nbr [0.0]:[8]
Stats: 262
Main_parameter: 0D
Sub_parameter: 0D
Sub_sub_parameter: 0D
Sub_sub_sub_parameter: 0D
Ind_quality: 0.02

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 0
Class 6: 0
Class 7: 0
n_var_Max: 0%,0%



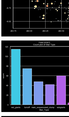
Field [7]:[9]
Ne [0.0]: Nbr [0.0]:[9]
Stats: 262
Main_parameter: 0D
Sub_parameter: 0D
Sub_sub_parameter: 0D
Sub_sub_sub_parameter: 0D
Ind_quality: 0.02

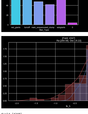
Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 0
Class 6: 0
Class 7: 0
n_var_Max: [0,0]



Field [8]:[10]
Ne [0.0]: Nbr [-0.0]:[10]
Stats: 262
Main_parameter: 0D
Sub_parameter: 0D
Sub_sub_parameter: 0D
Sub_sub_sub_parameter: 0D
Ind_quality: 0.02

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 0
Class 6: 0
Class 7: 0
n_var_Max: [0,0]





Field [9]:[11]
Ne [0.0]: Nbr [-0.0]:[11]
Stats: 262
Main_parameter: 0D
Sub_parameter: 0D
Sub_sub_parameter: 0D
Sub_sub_sub_parameter: 0D
Ind_quality: 0.02

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 0
Class 6: 0
Class 7: 0
n_var_Max: [0,0]

Field 24257
Mw [12.19] Dec [-48.2]

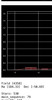
Query: 1Mw
Query_sequence: 1Mw
Seqlen: 72
Seq_type: DNA
num_clusters: 21
seq_count: 1000
Class 1: 1
Class 2: 1
Class 3: 1
Class 4: 1
Class 5: 1
Class 6: 1
Class 7: 1
Class 8: 1
Class 9: 1
Class 10: 1
Class 11: 1
Class 12: 1
Class 13: 1
Class 14: 1
Class 15: 1
Class 16: 1
Class 17: 1
Class 18: 1
Class 19: 1
Class 20: 1
Class 21: 1
A_cor_Mw: 125.80

Field 24262
Mw [2481.5] Dec [-138.60]

Query: 1Mw
Query_sequence: 1Mw
Seqlen: 1024
Seq_type: DNA
num_clusters: 10
seq_count: 1000
Class 1: 1
Class 2: 1
Class 3: 1
Class 4: 1
Class 5: 1
Class 6: 1
Class 7: 1
Class 8: 1
Class 9: 1
Class 10: 1
A_cor_Mw: 138.23

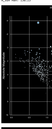
Field 24263
Mw [-1.46] Dec [-148.40]

Query: 1Mw
Query_sequence: 1Mw
Seqlen: 1024
Seq_type: DNA
num_clusters: 17
seq_count: 1000
Class 1: 1
Class 2: 1
Class 3: 1
Class 4: 1
Class 5: 1
Class 6: 1
Class 7: 1
Class 8: 1
Class 9: 1
Class 10: 1
Class 11: 1
Class 12: 1
Class 13: 1
Class 14: 1
Class 15: 1
Class 16: 1
Class 17: 1
A_cor_Mw: 37.47



Field 24267
Mw [1.46] Dec [-46.1]

Query: 1Mw
Query_sequence: 1Mw
Seqlen: 1024
Seq_type: DNA
num_clusters: 21
seq_count: 1000
Class 1: 1
Class 2: 1
Class 3: 1
Class 4: 1
Class 5: 1
Class 6: 1
Class 7: 1
Class 8: 1
Class 9: 1
Class 10: 1
Class 11: 1
Class 12: 1
Class 13: 1
Class 14: 1
Class 15: 1
Class 16: 1
Class 17: 1
Class 18: 1
Class 19: 1
Class 20: 1
Class 21: 1
A_cor_Mw: 198.80

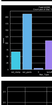


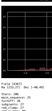
Field 24270
Mw [-1.46] Dec [-138.57]

Query: 1Mw
Query_sequence: 1Mw
Seqlen: 512
Seq_type: DNA
num_clusters: 25
seq_count: 1000
Class 1: 1
Class 2: 1
Class 3: 1
Class 4: 1
Class 5: 1
Class 6: 1
Class 7: 1
Class 8: 1
Class 9: 1
Class 10: 1
Class 11: 1
Class 12: 1
Class 13: 1
Class 14: 1
Class 15: 1
Class 16: 1
Class 17: 1
Class 18: 1
Class 19: 1
Class 20: 1
Class 21: 1
Class 22: 1
Class 23: 1
Class 24: 1
Class 25: 1
A_cor_Mw: 101.51

Field 24272
Mw [-1.46] Dec [-138.57]

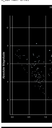
Query: 1Mw
Query_sequence: 1Mw
Seqlen: 512
Seq_type: DNA
num_clusters: 25
seq_count: 1000
Class 1: 1
Class 2: 1
Class 3: 1
Class 4: 1
Class 5: 1
Class 6: 1
Class 7: 1
Class 8: 1
Class 9: 1
Class 10: 1
Class 11: 1
Class 12: 1
Class 13: 1
Class 14: 1
Class 15: 1
Class 16: 1
Class 17: 1
Class 18: 1
Class 19: 1
Class 20: 1
Class 21: 1
Class 22: 1
Class 23: 1
Class 24: 1
Class 25: 1
A_cor_Mw: 101.51





Field 24273
Mw [-1.46] Dec [-37.42]

Query: 1Mw
Query_sequence: 1Mw
Seqlen: 1024
Seq_type: DNA
num_clusters: 21
seq_count: 1000
Class 1: 1
Class 2: 1
Class 3: 1
Class 4: 1
Class 5: 1
Class 6: 1
Class 7: 1
Class 8: 1
Class 9: 1
Class 10: 1
Class 11: 1
Class 12: 1
Class 13: 1
Class 14: 1
Class 15: 1
Class 16: 1
Class 17: 1
Class 18: 1
Class 19: 1
Class 20: 1
Class 21: 1
A_cor_Mw: 198.80



Field 24277
Mw [-1.46] Dec [-138.57]

Query: 1Mw
Query_sequence: 1Mw
Seqlen: 512
Seq_type: DNA
num_clusters: 25
seq_count: 1000
Class 1: 1
Class 2: 1
Class 3: 1
Class 4: 1
Class 5: 1
Class 6: 1
Class 7: 1
Class 8: 1
Class 9: 1
Class 10: 1
Class 11: 1
Class 12: 1
Class 13: 1
Class 14: 1
Class 15: 1
Class 16: 1
Class 17: 1
Class 18: 1
Class 19: 1
Class 20: 1
Class 21: 1
Class 22: 1
Class 23: 1
Class 24: 1
Class 25: 1
A_cor_Mw: 101.51

Field 24281
Mw [-1.46] Dec [-37.42]

Query: 1Mw
Query_sequence: 1Mw
Seqlen: 1024
Seq_type: DNA
num_clusters: 21
seq_count: 1000
Class 1: 1
Class 2: 1
Class 3: 1
Class 4: 1
Class 5: 1
Class 6: 1
Class 7: 1
Class 8: 1
Class 9: 1
Class 10: 1
Class 11: 1
Class 12: 1
Class 13: 1
Class 14: 1
Class 15: 1
Class 16: 1
Class 17: 1
Class 18: 1
Class 19: 1
Class 20: 1
Class 21: 1
A_cor_Mw: 198.80

Field 24282
Mw [-1.46] Dec [-37.42]

Query: 1Mw
Query_sequence: 1Mw
Seqlen: 1024
Seq_type: DNA
num_clusters: 21
seq_count: 1000
Class 1: 1
Class 2: 1
Class 3: 1
Class 4: 1
Class 5: 1
Class 6: 1
Class 7: 1
Class 8: 1
Class 9: 1
Class 10: 1
Class 11: 1
Class 12: 1
Class 13: 1
Class 14: 1
Class 15: 1
Class 16: 1
Class 17: 1
Class 18: 1
Class 19: 1
Class 20: 1
Class 21: 1
A_cor_Mw: 198.80

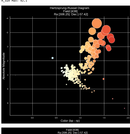
Field 24287
Mw [-1.46] Dec [-37.42]

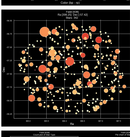
Query: 1Mw
Query_sequence: 1Mw
Seqlen: 1024
Seq_type: DNA
num_clusters: 21
seq_count: 1000
Class 1: 1
Class 2: 1
Class 3: 1
Class 4: 1
Class 5: 1
Class 6: 1
Class 7: 1
Class 8: 1
Class 9: 1
Class 10: 1
Class 11: 1
Class 12: 1
Class 13: 1
Class 14: 1
Class 15: 1
Class 16: 1
Class 17: 1
Class 18: 1
Class 19: 1
Class 20: 1
Class 21: 1
A_cor_Mw: 198.80

subgenre: 22
sub2genre: 0
sub3genre: 27

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 128
Class 5: 128
Class 6: 0
Class 7: 0
Class 8: 0

N_var Max: 92.1



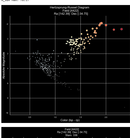


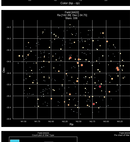
Classification Accuracy
Classification Accuracy Percentage
Class 0
Class 1
Class 2
Class 3
Class 4
Class 5
Class 6
Class 7
Class 8
Class 9
Class 10
Class 11
Class 12
Class 13
Class 14
Class 15
Class 16
Class 17
Class 18
Class 19
Class

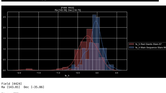
Starz: 136
main_separator: 86
subgiants: 30
red_giants: 20
red_giants: 80

Class A: 4
Class B: 8
Class C: 8
Class D: 12
Class E: 12
Class F: 12
Class G: 12
Class H: 12
Class I: 12
Class J: 12

R_sun Max: 74.17





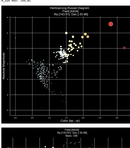


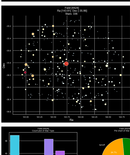
Field Stars:
Mag Cut-Off: Cmax (-10.06)

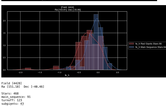
Starz: 196
main_separator: 56
subgiants: 40
red_giants: 40
red_giants: 80

Class A: 4
Class B: 8
Class C: 8
Class D: 12
Class E: 12
Class F: 12
Class G: 12
Class H: 12
Class I: 12
Class J: 12

R_sun Max: 104.81





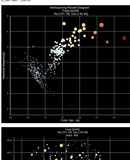


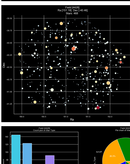
Field Stars:
Mag Cut-Off: Cmax (-14.06)

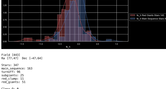
Starz: 280
main_separator: 92
subgiants: 60
subgiants: 60
red_giants: 40
red_giants: 160

Class A: 4
Class B: 8
Class C: 8
Class D: 12
Class E: 12
Class F: 12
Class G: 12
Class H: 12
Class I: 12
Class J: 12

R_sun Max: 156.91





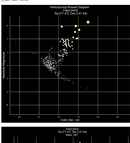


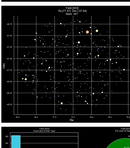
Field Stars:
Mag Cut-Off: Cmax (-17.60)

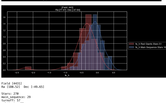
Starz: 400
main_separator: 180
subgiants: 80
subgiants: 80
red_giants: 80

Class A: 4
Class B: 8
Class C: 8
Class D: 12
Class E: 12
Class F: 12
Class G: 12
Class H: 12
Class I: 12
Class J: 12

R_sun Max: 20.67





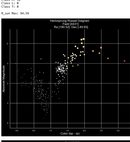


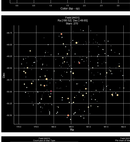
Field Stars:
Mg Cut-Off: Cmax (-20.60)

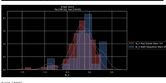
Starz: 520
main_separator: 280
subgiants: 80
subgiants: 80
red_giants: 160

Class A: 4
Class B: 8
Class C: 8
Class D: 12
Class E: 12
Class F: 12
Class G: 12
Class H: 12
Class I: 12
Class J: 12

R_sun Max: 36.58





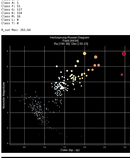


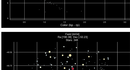
Field Stars:
Mg Cut-Off: Cmax (-24.00)

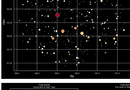
Starz: 680
main_separator: 280
subgiants: 80
subgiants: 80
red_giants: 240

Class A: 4
Class B: 8
Class C: 8
Class D: 12
Class E: 12
Class F: 12
Class G: 12
Class H: 12
Class I: 12
Class J: 12

R_sun Max: 20.64







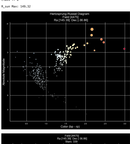
Classification Output Histogram
Fri 12 Feb 2021 11:41:
Classes
Class 1
Class 2
Class 3
Class 4
Class 5
Class 6
Class 7
Class 8
Class 9
Class 10
Class 11
Class 12
Class 13
Class 14
Class 15
Class 16
Class 17
Class 18
Class 19
Class 20
Class

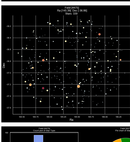
Field 24001
RA [deg]: Dec [deg]: 2.36,082

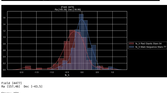
Stars: 230
main_sequence: 88
giants: 0
subgiants: 0
red_giants: 0
red_giants: 0

Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 0
Class F: 120
Class G: 0
Class H: 0
Class I: 0

m_ext Max: 24.32





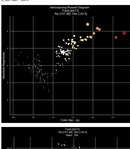


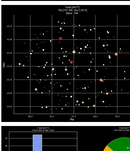
Mag_ext Max Distribution
Field 24001
Mag_ext Max: 24.32
Mag_ext Max
Field 24001
RA [deg]: Dec [deg]: 2.45,52

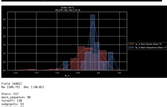
Stars: 286
main_sequence: 57
giants: 0
subgiants: 0
red_giants: 0
red_giants: 0

Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 0
Class F: 0
Class G: 0
Class H: 0
Class I: 0

m_ext Max: 24.1



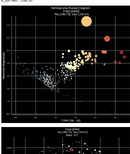


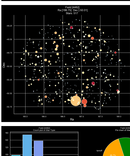

Mag_ext Max Distribution
Field 24001
Mag_ext Max: 24.1
Mag_ext Max
Field 24001
RA [deg]: Dec [deg]: 2.36,452

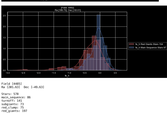
Stars: 317
main_sequence: 88
giants: 0
subgiants: 0
red_giants: 0

Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 0
Class F: 120
Class G: 0
Class H: 0
Class I: 0

m_ext Max: 23.43



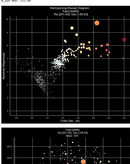


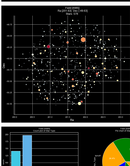

Mag_ext Max Distribution
Field 24001
Mag_ext Max: 23.43
Mag_ext Max
Field 24001
RA [deg]: Dec [deg]: 2.40,422

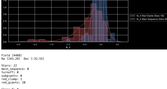
Stars: 178
main_sequence: 86
giants: 0
subgiants: 0
red_giants: 187

Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 0
Class F: 0
Class G: 0
Class H: 0
Class I: 0

m_ext Max: 21.91



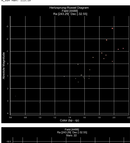


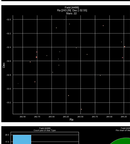

Mag_ext Max Distribution
Field 24001
Mag_ext Max: 21.91
Mag_ext Max
Field 24001
RA [deg]: Dec [deg]: 2.36,252

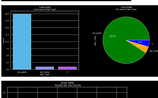
Stars: 23
main_sequence: 0
giants: 0
subgiants: 0
red_giants: 0
red_giants: 0

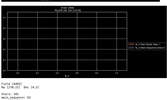
Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 0
Class F: 0
Class G: 0
Class H: 0
Class I: 0

m_ext Max: 15.30





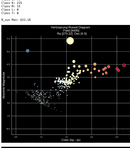


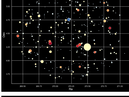

Mag_ext Max Distribution
Field 24001
Mag_ext Max: 15.30
Mag_ext Max
Field 24001
RA [deg]: Dec [deg]: 24.52

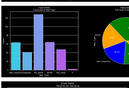
Stars: 1
main_sequence: 50
giants: 0
subgiants: 0
red_giants: 0
red_giants: 5.8

Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 0
Class F: 0
Class G: 0
Class H: 0
Class I: 0

m_ext Max: 0.01.16





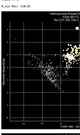

Classification
Classification Probabilities
Classification Probabilities
Class 0
Class 1
Class 2
Class 3
Class 4
Class 5
Class 6
Class 7
Class 8
Class 9
Class 10
Class 11
Class 12
Class 13
Class 14
Class 15
Class 16
Class 17
Class 18
Class 19
Class

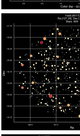
Field 24240
MW [24.0]: Dec [-18.5]

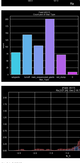
Stars: 5880
Main_separator: 189
Galaxy: 1414
Subgalaxy: 1414
Cmd_clusters: 1
Cmd_galaxy: 1441

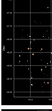
Class A: 0
Class B: 0
Class C: 0
Class D: 1
Class E: 1
Class F: 1
Class G: 1
Class H: 1
Class I: 1
Class J: 1

N_sun_Mass: [18.0]






Cmd_clusters
Cmd_galaxy
Main_separator
Galaxy
Subgalaxy



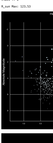
Cumulative Total
Number of Events
Cumulative Total Number of Events
Cumulative Total Number of Events
Cumulative Total

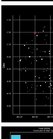
Field 24563
Mw [10.0] Dec [-8.2]

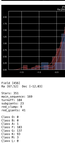
Stars: 386
Galaxies: 1,195
Saturd: 87
Bad: 1,195
cal_index: 37
Total Objects: 2,186

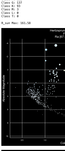
Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 102
Class F: 0
Class G: 0
Class H: 0

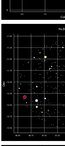
A_sum Max: 115.52

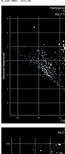


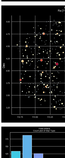


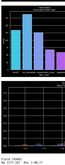


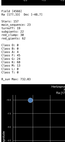


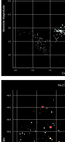


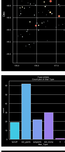


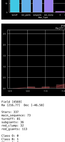


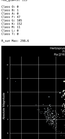


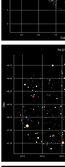


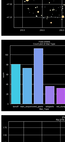


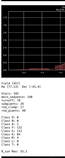


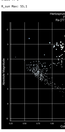












Field 24563
Mw [10.0] Dec [-8.2]

Stars: 387
Galaxies: 1,196
Saturd: 87
Bad: 1,196
cal_index: 37
Total Objects: 2,186

Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 103
Class F: 0
Class G: 0
Class H: 0

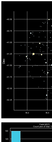
A_sum Max: 115.58

Field 24563
Mw [10.0] Dec [-8.2]

Stars: 385
Galaxies: 1,198
Saturd: 87
Bad: 1,198
cal_index: 37
Total Objects: 2,186

Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 102
Class F: 0
Class G: 0
Class H: 0

A_sum Max: 115.1



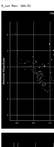
Classification Count
Classification Percent
Total Count: 1,000
Correct: 0.000
Incorrect: 1.000
Class 0: 0.000
Class 1: 0.000
Class 2: 0.000
Class 3: 1.000
Class 4: 0.000
Class 5: 0.000
Class 6: 0.000
Class 7: 0.000
Class 8: 0.000
Class 9: 0.000
Class 10: 0.000
Class 11: 0.000
Class 12: 0.000
Class 13: 0.000
Class 14: 0.000
Class 15: 0.000
Class 16: 0.000
Class

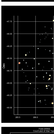
Field [0002]
Ra [287.95] Dec [-46.06]

Stars: 260
Sky_separation: 36
backgRT: 58
backgSTD: 12
red_index: 23
red_peak: [0.0]

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 15
Class 6: 53
Class 7: 53
Class 8: 139

m_ext Max: 166.01



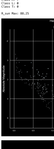


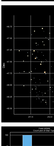
Field [0003]
Ra [287.95] Dec [-45.56]

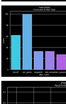
Stars: 288
Sky_separation: 37
backgRT: 52
backgSTD: 11
red_index: 23
red_peak: [0.0]

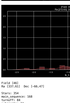
Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 16
Class 6: 55
Class 7: 55
Class 8: 153

m_ext Max: 90.25







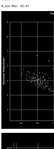


Field [0004]
Ra [287.95] Dec [-47.17]

Stars: 304
Sky_separation: 108
backgRT: 64
backgSTD: 14
red_index: 21
red_peak: [0.0]

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 17
Class 6: 58
Class 7: 58
Class 8: 161

m_ext Max: 83.47

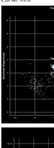


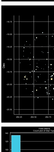
Field [0005]
Ra [287.95] Dec [-46.61]

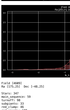
Stars: 282
Sky_separation: 38
backgRT: 56
backgSTD: 12
red_index: 21
red_peak: [0.0]

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 16
Class 6: 56
Class 7: 56
Class 8: 154

m_ext Max: 275.03





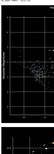


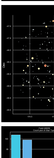
Field [0006]
Ra [287.95] Dec [-46.25]

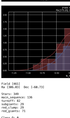
Stars: 290
Sky_separation: 50
backgRT: 59
backgSTD: 12
red_index: 21
red_peak: [0.0]

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 16
Class 6: 58
Class 7: 58
Class 8: 158

m_ext Max: 320.92





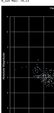


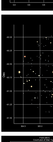
Field [0007]
Ra [287.95] Dec [-46.51]

Stars: 286
Sky_separation: 136
backgRT: 57
backgSTD: 12
red_index: 21
red_peak: [0.0]

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 16
Class 6: 57
Class 7: 57
Class 8: 156

m_ext Max: 76.11



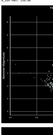


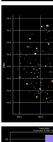
Field [0001]
Mw [0.00,0] Dmc [-12,10]

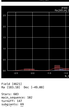
Depth: 200
mech_separator: 100
mech_quality: 50
subgenres: 30
mod_quality: 20
rel_quality: 80

Class 01: 0
Class 02: 0
Class 03: 0
Class 04: 0
Class 05: 110
Class 06: 0
Class 07: 0
Class 08: 0
Class 09: 0

R_cut Max: [98,98]





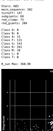


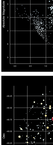
Field [0002]
Mw [0.00,0] Dmc [-40,40]

Depth: 400
mech_separator: 200
mech_quality: 40
subgenres: 60
mod_quality: 20
rel_quality: 200

Class 01: 0
Class 02: 0
Class 03: 0
Class 04: 11
Class 05: 11
Class 06: 11
Class 07: 11
Class 08: 18
Class 09: 0
Class 10: 0

R_cut Max: [98,98]



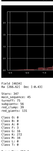


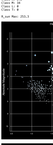
Field [0003]
Mw [0.00,0] Dmc [-8,61]

Depth: 207
mech_separator: 85
mech_quality: 70
subgenres: 50
mod_quality: 110
rel_quality: 110

Class 01: 0
Class 02: 0
Class 03: 0
Class 04: 0
Class 05: 35
Class 06: 35
Class 07: 35
Class 08: 35
Class 09: 0
Class 10: 0

R_cut Max: [53,3



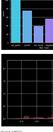


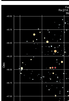
Field [0004]
Mw [0.00,0] Dmc [-48,4]

Depth: 72
mech_separator: 72
subgenres: 72
mod_quality: 72
rel_quality: 114

Class 01: 0
Class 02: 0
Class 03: 0
Class 04: 0
Class 05: 115
Class 06: 115
Class 07: 28
Class 08: 0
Class 09: 0
Class 10: 0

R_cut Max: [98,0]



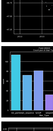


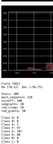
Field [0005]
Mw [0.00,0] Dmc [-36,72]

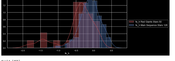
Depth: 200
mech_separator: 100
subgenres: 100
mod_quality: 100
rel_quality: 0

Class 01: 0
Class 02: 0
Class 03: 0
Class 04: 0
Class 05: 167
Class 06: 0
Class 07: 0
Class 08: 0
Class 09: 0
Class 10: 0

R_cut Max: [63,80



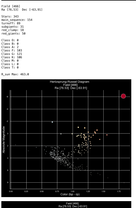


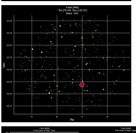


Field 2402
Ra [18.22] Dec [-63.82]

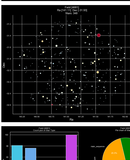
Stars: 360
Gaia_sources: 154
hasphot: 36
hasspec: 0
redf_index: 20
Class A: 0
Class B: 0
Class C: 0
Class D: 22
Class E: 12
Class F: 0
Class G: 0
Class H: 0
Class I: 0

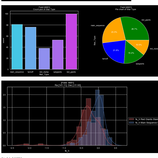
n_sun_Max: 40.8

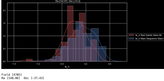


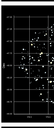


Log Total Radio Data SN
Log Total Radio Data SN
Log Total Radio Data SN




Total Counts
Class 1
Class 2
Class 3
Class 4
Class 5
Class 6
Class 7
Class 8
Class 9
Class 10
Class 11
Class 12
Class 13
Class 14
Class 15
Class 16
Class 17
Class 18
Class 19
Class 20
Class


Mu Cut [GeV]
Mu Cut [GeV] Sum [0-10]
Mu Cut [GeV] Sum [0-10]
Mu Cut [GeV] Sum [0-10



Field [4]:
Mag Cut: 19.00, Color Cut: 0.00,00

Stars: 0%
Galaxies: 0%
Star Galaxies: 0%
Unclassified: 100%
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 0
Class 6: 0
Class 7: 0
Class 8: 0
Class 9: 0
Class 10: 0
Class 11: 0
Class 12: 0
Class 13: 0
Class 14: 0
Class 15: 0
Class 16: 0
Class 17: 0
Class 18: 0
Class 19: 0
Class 20: 0
Class 21: 0
Class 22: 0
Class 23: 0
Class 24: 0
Class 25: 0
Class 26: 0
Class 27: 0
Class 28: 0
Class 29: 0
Class 30: 0
Class 31: 0
Class 32: 0
Class 33: 0
Class 34: 0
Class 35: 0
Class 36: 0
Class 37: 0
Class 38: 0
Class 39: 0
Class 40: 0
Class 41: 0
Class 42: 0
Class 43: 0
Class 44: 0
Class 45: 0
Class 46: 0
Class 47: 0
Class 48: 0
Class 49: 0
Class 50: 0
Class 51: 0
Class 52: 0
Class 53: 0
Class 54: 0
Class 55: 0
Class 56: 0
Class 57: 0
Class 58: 0
Class 59: 0
Class 60: 0
Class 61: 0
Class 62: 0
Class 63: 0
Class 64: 0
Class 65: 0
Class 66: 0
Class 67: 0
Class 68: 0
Class 69: 0
Class 70: 0
Class 71: 0
Class 72: 0
Class 73: 0
Class 74: 0
Class 75: 0
Class 76: 0
Class 77: 0
Class 78: 0
Class 79: 0
Class 80: 0
Class 81: 0
Class 82: 0
Class 83: 0
Class 84: 0
Class 85: 0
Class 86: 0
Class 87: 0
Class 88: 0
Class 89: 0
Class 90: 0
Class 91: 0
Class 92: 0
Class 93: 0
Class 94: 0
Class 95: 0
Class 96: 0
Class 97: 0
Class 98: 0
Class 99: 0
Class 100: 0
Class 101: 0
Class 102: 0
Class 103: 0
Class 104: 0
Class 105: 0
Class 106: 0
Class 107: 0
Class 108: 0
Class 109: 0
Class 110: 0
Class 111: 0
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Class 113: 0
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Class 115: 0
Class 116: 0
Class 117: 0
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Class 119: 0
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Class 123: 0
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Class 127: 0
Class 128: 0
Class 129: 0
Class 130: 0
Class 131: 0
Class 132: 0
Class 133: 0
Class 134: 0
Class 135: 0
Class 136: 0
Class 137: 0
Class 138: 0
Class 139: 0
Class 140: 0
Class 141: 0
Class 142: 0
Class 143: 0
Class 144: 0
Class 145: 0
Class 146: 0
Class 147: 0
Class 148: 0
Class 149: 0
Class 150: 0
Class 151: 0
Class 152: 0
Class 153: 0
Class 154: 0
Class 155: 0
Class 156: 0
Class 157: 0
Class 158: 0
Class 159: 0
Class 160: 0
Class 161: 0
Class 162: 0
Class 163: 0
Class 164: 0
Class 165: 0
Class 166: 0
Class 167: 0
Class 168: 0
Class 169: 0
Class 170: 0
Class 171: 0
Class 172: 0
Class 173: 0
Class 174: 0
Class 175: 0
Class 176: 0
Class 177: 0
Class 178: 0
Class 179: 0
Class 180: 0
Class 181: 0
Class 182: 0
Class 183: 0
Class 184: 0
Class 185: 0
Class 186: 0
Class 187: 0
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Class 189: 0
Class 190: 0
Class 191: 0
Class 192: 0
Class 193: 0
Class 194: 0
Class 195: 0
Class 196: 0
Class 197: 0
Class 198: 0
Class 199: 0
Class 200: 0

Field [5]:
Mag Cut: 19.00, Color Cut: 0.00,01

Stars: 0%
Galaxies: 0%
Star Galaxies: 0%
Unclassified: 100%
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 0
Class 6: 0
Class 7: 0
Class 8: 0
Class 9: 0
Class 10: 0
Class 11: 0
Class 12: 0
Class 13: 0
Class 14: 0
Class 15: 0
Class 16: 0
Class 17: 0
Class 18: 0
Class 19: 0
Class 20: 0
Class 21: 0
Class 22: 0
Class 23: 0
Class 24: 0
Class 25: 0
Class 26: 0
Class 27: 0
Class 28: 0
Class 29: 0
Class 30: 0
Class 31: 0
Class 32: 0
Class 33: 0
Class 34: 0
Class 35: 0
Class 36: 0
Class 37: 0
Class 38: 0
Class 39: 0
Class 40: 0
Class 41: 0
Class 42: 0
Class 43: 0
Class 44: 0
Class 45: 0
Class 46: 0
Class 47: 0
Class 48: 0
Class 49: 0
Class 50: 0
Class 51: 0
Class 52: 0
Class 53: 0
Class 54: 0
Class 55: 0
Class 56: 0
Class 57: 0
Class 58: 0
Class 59: 0
Class 60: 0
Class 61: 0
Class 62: 0
Class 63: 0
Class 64: 0
Class 65: 0
Class 66: 0
Class 67: 0
Class 68: 0
Class 69: 0
Class 70: 0
Class 71: 0
Class 72: 0
Class 73: 0
Class 74: 0
Class 75: 0
Class 76: 0
Class 77: 0
Class 78: 0
Class 79: 0
Class 80: 0
Class 81: 0
Class 82: 0
Class 83: 0
Class 84: 0
Class 85: 0
Class 86: 0
Class 87: 0
Class 88: 0
Class 89: 0
Class 90: 0
Class 91: 0
Class 92: 0
Class 93: 0
Class 94: 0
Class 95: 0
Class 96: 0
Class 97: 0
Class 98: 0
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Class 102: 0
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Class 105: 0
Class 106: 0
Class 107: 0
Class 108: 0
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Class 111: 0
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Class 114: 0
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Class 116: 0
Class 117: 0
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Class 119: 0
Class 120: 0
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Class 122: 0
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Class 127: 0
Class 128: 0
Class 129: 0
Class 130: 0
Class 131: 0
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Class 134: 0
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Class 136: 0
Class 137: 0
Class 138: 0
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Class 140: 0
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Class 142: 0
Class 143: 0
Class 144: 0
Class 145: 0
Class 146: 0
Class 147: 0
Class 148: 0
Class 149: 0
Class 150: 0
Class 151: 0
Class 152: 0
Class 153: 0
Class 154: 0
Class 155: 0
Class 156: 0
Class 157: 0
Class 158: 0
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Class 166: 0
Class 167: 0
Class 168: 0
Class 169: 0
Class 170: 0
Class 171: 0
Class 172: 0
Class 173: 0
Class 174: 0
Class 175: 0
Class 176: 0
Class 177: 0
Class 178: 0
Class 179: 0
Class 180: 0
Class 181: 0
Class 182: 0
Class 183: 0
Class 184: 0
Class 185: 0
Class 186: 0
Class 187: 0
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Class 189: 0
Class 190: 0
Class 191: 0
Class 192: 0
Class 193: 0
Class 194: 0
Class 195: 0
Class 196: 0
Class 197: 0
Class 198: 0
Class 199: 0
Class 200: 0

Field [6]:
Mag Cut: 19.00, Color Cut: 0.00,02

Stars: 0%
Galaxies: 0%
Star Galaxies: 0%
Unclassified: 100%
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 0
Class 6: 0
Class 7: 0
Class 8: 0
Class 9: 0
Class 10: 0
Class 11: 0
Class 12: 0
Class 13: 0
Class 14: 0
Class 15: 0
Class 16: 0
Class 17: 0
Class 18: 0
Class 19: 0
Class 20: 0
Class 21: 0
Class 22: 0
Class 23: 0
Class 24: 0
Class 25: 0
Class 26: 0
Class 27: 0
Class 28: 0
Class 29: 0
Class 30: 0
Class 31: 0
Class 32: 0
Class 33: 0
Class 34: 0
Class 35: 0
Class 36: 0
Class 37: 0
Class 38: 0
Class 39: 0
Class 40: 0
Class 41: 0
Class 42: 0
Class 43: 0
Class 44: 0
Class 45: 0
Class 46: 0
Class 47: 0
Class 48: 0
Class 49: 0
Class 50: 0
Class 51: 0
Class 52: 0
Class 53: 0
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Class 56: 0
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Class 58: 0
Class 59: 0
Class 60: 0
Class 61: 0
Class 62: 0
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Class 65: 0
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Class 91: 0
Class 92: 0
Class 93: 0
Class 94: 0
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Class 101: 0
Class 102: 0
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Class 108: 0
Class 109: 0
Class 110: 0
Class 111: 0
Class 112: 0
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Class 114: 0
Class 115: 0
Class 116: 0
Class 117: 0
Class 118: 0
Class 119: 0
Class 120: 0
Class 121: 0
Class 122: 0
Class 123: 0
Class 124: 0
Class 125: 0
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Class 128: 0
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Class 130: 0
Class 131: 0
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Class 137: 0
Class 138: 0
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Class 147: 0
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Class 151: 0
Class 152: 0
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Class 172: 0
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Class 174: 0
Class 175: 0
Class 176: 0
Class 177: 0
Class 178: 0
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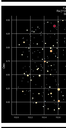
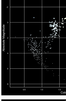
Class 198: 0
Class 199: 0
Class 200: 0



Field [7]:
Mag Cut: 19.00, Color Cut: 0.00,03

Stars: 0%
Galaxies: 0%
Star Galaxies: 0%
Unclassified: 100%
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 0
Class 6: 0
Class 7: 0
Class 8: 0
Class 9: 0
Class 10: 0
Class 11: 0
Class 12: 0
Class 13: 0
Class 14: 0
Class 15: 0
Class 16: 0
Class 17: 0
Class 18: 0
Class 19: 0
Class 20: 0
Class 21: 0
Class 22: 0
Class 23: 0
Class 24: 0
Class 25: 0
Class 26: 0
Class 27: 0
Class 28: 0
Class 29: 0
Class 30: 0
Class 31: 0
Class 32: 0
Class 33: 0
Class 34: 0
Class 35: 0
Class 36: 0
Class 37: 0
Class 38: 0
Class 39: 0
Class 40: 0
Class 41: 0
Class 42: 0
Class 43: 0
Class 44: 0
Class 45: 0
Class 46: 0
Class 47: 0
Class 48: 0
Class 49: 0
Class 50: 0
Class 51: 0
Class 52: 0
Class 53: 0
Class 54: 0
Class 55: 0
Class 56: 0
Class 57: 0
Class 58: 0
Class 59: 0
Class 60: 0
Class 61: 0
Class 62: 0
Class 63: 0
Class 64: 0
Class 65: 0
Class 66: 0
Class 67: 0
Class 68: 0
Class 69: 0
Class 70: 0
Class 71: 0
Class 72: 0
Class 73: 0
Class 74: 0
Class 75: 0
Class 76: 0
Class 77: 0
Class 78: 0
Class 79: 0
Class 80: 0
Class 81: 0
Class 82: 0
Class 83: 0
Class 84: 0
Class 85: 0
Class 86: 0
Class 87: 0
Class 88: 0
Class 89: 0
Class 90: 0
Class 91: 0
Class 92: 0
Class 93: 0
Class 94: 0
Class 95: 0
Class 96: 0
Class 97: 0
Class 98: 0
Class 99: 0
Class 100: 0
Class 101: 0
Class 102: 0
Class 103: 0
Class 104: 0
Class 105: 0
Class 106: 0
Class 107: 0
Class 108: 0
Class 109: 0
Class 110: 0
Class 111: 0
Class 112: 0
Class 113: 0
Class 114: 0
Class 115: 0
Class 116: 0
Class 117: 0
Class 118: 0
Class 119: 0
Class 120: 0
Class 121: 0
Class 122: 0
Class 123: 0
Class 124: 0
Class 125: 0
Class 126: 0
Class 127: 0
Class 128: 0
Class 129: 0
Class 130: 0
Class 131: 0
Class 132: 0
Class 133: 0
Class 134: 0
Class 135: 0
Class 136: 0
Class 137: 0
Class 138: 0
Class 139: 0
Class 140: 0
Class 141: 0
Class 142: 0
Class 143: 0
Class 144: 0
Class 145: 0
Class 146: 0
Class 147: 0
Class 148: 0
Class 149: 0
Class 150: 0
Class 151: 0
Class 152: 0
Class 153: 0
Class 154: 0
Class 155: 0
Class 156: 0
Class 157: 0
Class 158: 0
Class 159: 0
Class 160: 0
Class 161: 0
Class 162: 0
Class 163: 0
Class 164: 0
Class 165: 0
Class 166: 0
Class 167: 0
Class 168: 0
Class 169: 0
Class 170: 0
Class 171: 0
Class 172: 0
Class 173: 0
Class 174: 0
Class 175: 0
Class 176: 0
Class 177: 0
Class 178: 0
Class 179: 0
Class 180: 0
Class 181: 0
Class 182: 0
Class 183: 0
Class 184: 0
Class 185: 0
Class 186: 0
Class 187: 0
Class 188: 0
Class 189: 0
Class 190: 0
Class 191: 0
Class 192: 0
Class 193: 0
Class 194: 0
Class 195: 0
Class 196: 0
Class 197: 0
Class 198: 0
Class 199: 0
Class 200: 0



Field [8]:
Mag Cut: 19.00, Color Cut: 0.00,04

Stars: 0%
Galaxies: 0%
Star Galaxies: 0%
Unclassified: 100%
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 0
Class 6: 0
Class 7: 0
Class 8: 0
Class 9: 0
Class 10: 0
Class 11: 0
Class 12: 0
Class 13: 0
Class 14: 0
Class 15: 0
Class 16: 0
Class 17: 0
Class 18: 0
Class 19: 0
Class 20: 0
Class 21: 0
Class 22: 0
Class 23: 0
Class 24: 0
Class 25: 0
Class 26: 0
Class 27: 0
Class 28: 0
Class 29: 0
Class 30: 0
Class 31: 0
Class 32: 0
Class 33: 0
Class 34: 0
Class 35: 0
Class 36: 0
Class 37: 0
Class 38: 0
Class 39: 0
Class 40: 0
Class 41: 0
Class 42: 0
Class 43: 0
Class 44: 0
Class 45: 0
Class 46: 0
Class 47: 0
Class 48: 0
Class 49: 0
Class 50: 0
Class 51: 0
Class 52: 0
Class 53: 0
Class 54: 0
Class 55: 0
Class 56: 0
Class 57: 0
Class 58: 0
Class 59: 0
Class 60: 0
Class 61: 0
Class 62: 0
Class 63: 0
Class 64: 0
Class 65: 0
Class 66: 0
Class 67: 0
Class 68: 0
Class 69: 0
Class 70: 0
Class 71: 0
Class 72: 0
Class 73: 0
Class 74: 0
Class 75: 0
Class 76: 0
Class 77: 0
Class 78: 0
Class 79: 0
Class 80: 0
Class 81: 0
Class 82: 0
Class 83: 0
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Class 85: 0
Class 86: 0
Class 87: 0
Class 88: 0
Class 89: 0
Class 90: 0
Class 91: 0
Class 92: 0
Class 93: 0
Class 94: 0
Class 95: 0
Class 96: 0
Class 97: 0
Class 98: 0
Class 99: 0
Class 100: 0
Class 101: 0
Class 102: 0
Class 103: 0
Class 104: 0
Class 105: 0
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Class 107: 0
Class 108: 0
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Class 110: 0
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Class 112: 0
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Class 114: 0
Class 115: 0
Class 116: 0
Class 117: 0
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Class 119: 0
Class 120: 0
Class 121: 0
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Class 127: 0
Class 128: 0
Class 129: 0
Class 130: 0
Class 131: 0
Class 132: 0
Class 133: 0
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Class 135: 0
Class 136: 0
Class 137: 0
Class 138: 0
Class 139: 0
Class 140: 0
Class 141: 0
Class 142: 0
Class 143: 0
Class 144: 0
Class 145: 0
Class 146: 0
Class 147: 0
Class 148: 0
Class 149: 0
Class 150: 0
Class 151: 0
Class 152: 0
Class 153: 0
Class 154: 0
Class 155: 0
Class 156: 0
Class 157: 0
Class 158: 0
Class 159: 0
Class 160: 0
Class 161: 0
Class 162: 0
Class 163: 0
Class 164: 0
Class 165: 0
Class 166: 0
Class 167: 0
Class 168: 0
Class 169: 0
Class 170: 0
Class 171: 0
Class 172: 0
Class 173: 0
Class 174: 0
Class 175: 0
Class 176: 0
Class 177: 0
Class 178: 0
Class 179: 0
Class 180: 0
Class 181: 0
Class 182: 0
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Class 184: 0
Class 185: 0
Class 186: 0
Class 187: 0
Class 188: 0
Class 189: 0
Class 190: 0
Class 191: 0
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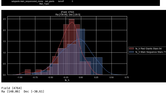
Class 197: 0
Class 198: 0
Class 199: 0
Class 200: 0

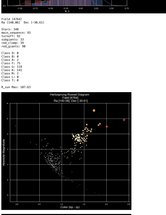


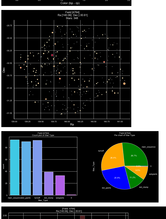
Field [4760]
Mv [100.00] Dec [-38.00]

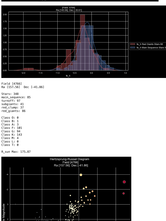
Shape: [0]
Mag_sequence: 50
Sample: 0
Sampling: 0
Mag_sequence: 50
Cnt_sequence: 0

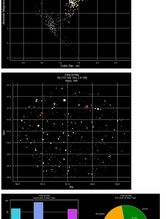
Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 118
Class 5: 118
Class 6: 0
Class 7: 0
Class 8: 0
Class 9: 0

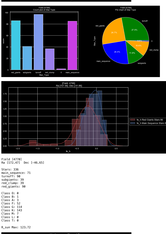
A_cor_Max: [47.42]









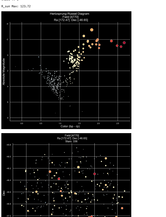


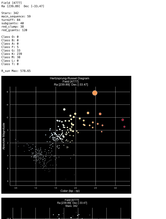
Field [4761]
Mv [117.00] Dec [-40.00]

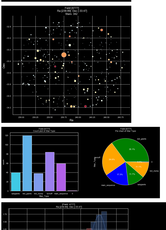
Shape: [0]
Mag_sequence: 49
Sample: 0
Sampling: 0
Mag_sequence: 51
Cnt_sequence: 0

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 0
Class 5: 0
Class 6: 54
Class 7: 54
Class 8: 0
Class 9: 0

A_cor_Max: [5.42]





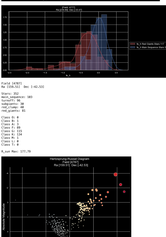


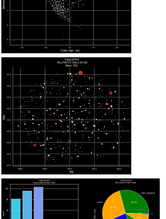
Field [4762]
Mv [137.00] Dec [-40.00]

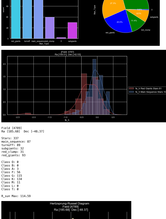
Shape: [0]
Mag_sequence: 49
Sample: 0
Sampling: 0
Mag_sequence: 51
Cnt_sequence: 0

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 118
Class 5: 118
Class 6: 0
Class 7: 0
Class 8: 0
Class 9: 0

A_cor_Max: [115.7]







Field [4763]
Mv [157.00] Dec [-40.00]

Shape: [0]
Mag_sequence: 49
Sample: 0
Sampling: 0
Mag_sequence: 51
Cnt_sequence: 0

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 118
Class 5: 118
Class 6: 0
Class 7: 0
Class 8: 0
Class 9: 0

A_cor_Max: [59.48]

Field [4764]
Mv [177.00] Dec [-40.00]

Shape: [0]
Mag_sequence: 49
Sample: 0
Sampling: 0
Mag_sequence: 51
Cnt_sequence: 0

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 118
Class 5: 118
Class 6: 0
Class 7: 0
Class 8: 0
Class 9: 0

A_cor_Max: [70.78]

Field [4765]
Mv [197.00] Dec [-40.00]

Shape: [0]
Mag_sequence: 49
Sample: 0
Sampling: 0
Mag_sequence: 51
Cnt_sequence: 0

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 118
Class 5: 118
Class 6: 0
Class 7: 0
Class 8: 0
Class 9: 0

A_cor_Max: [24.54]

Field [4766]
Mv [237.00] Dec [-40.00]

Shape: [0]
Mag_sequence: 49
Sample: 0
Sampling: 0
Mag_sequence: 51
Cnt_sequence: 0

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 118
Class 5: 118
Class 6: 0
Class 7: 0
Class 8: 0
Class 9: 0

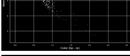
A_cor_Max: [16.54]

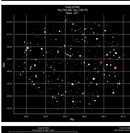
Field [4767]
Mv [265.00] Dec [-40.00]

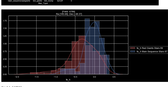
Shape: [0]
Mag_sequence: 49
Sample: 0
Sampling: 0
Mag_sequence: 51
Cnt_sequence: 0

Class 0: 0
Class 1: 0
Class 2: 0
Class 3: 0
Class 4: 118
Class 5: 118
Class 6: 0
Class 7: 0
Class 8: 0
Class 9: 0

A_cor_Max: [16.54]



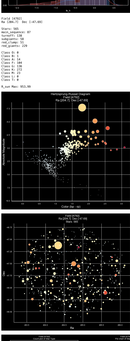


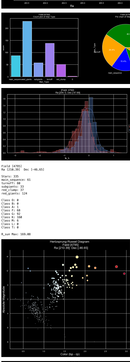


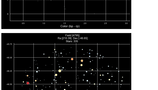
Field 24363
RA [deg]: Dec [-47.00]

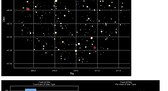
Stars: 580
bad_separation: 87
bad[%]: 14.9
subgiants: 108
red_giants: 72
red_giants [%]: 12.4

Class A: 0
Class B: 4
Class C: 0
Class D: 146
Class E: 110
Class F: 172
Class G: 0
Class H: 0
Class I: 0
X_cor Max: 853.96





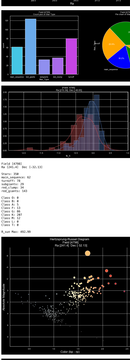


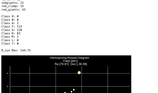


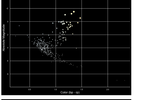
Field 24365
RA [deg]: Dec [-46.00]

Stars: 691
bad_separation: 92
bad[%]: 13.3
red_giants: 27
red_giants [%]: 3.9

Class A: 0
Class B: 4
Class C: 0
Class D: 48
Class E: 68
Class F: 198
Class G: 0
Class H: 0
Class I: 0
X_cor Max: 200.00



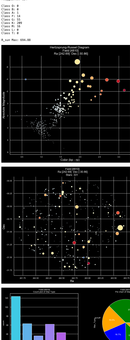




Field 24366
RA [deg]: Dec [-30.12]

Stars: 358
bad_separation: 82
bad[%]: 22.9
subgiants: 35
red_giants: 14
red_giants [%]: 3.9

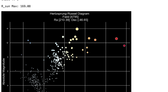
Class A: 0
Class B: 4
Class C: 0
Class D: 0
Class E: 0
Class F: 347
Class G: 0
Class H: 0
Class I: 0
X_cor Max: 492.00



Field 24367
RA [deg]: Dec [-30.00]

Stars: 288
bad_separation: 188
bad[%]: 65.3
subgiants: 31
red_giants: 9
red_giants [%]: 3

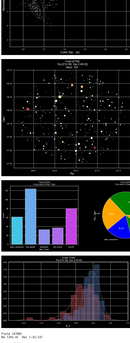
Class A: 0
Class B: 0
Class C: 0
Class D: 13
Class E: 0
Class F: 275
Class G: 0
Class H: 0
Class I: 0
X_cor Max: 106.75

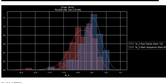


Field 24368
RA [deg]: Dec [-28.00]

Stars: 580
bad_separation: 92
bad[%]: 15.9
subgiants: 70
red_giants: 18
red_giants [%]: 3.1

Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 0
Class F: 562
Class G: 0
Class H: 0
Class I: 0
X_cor Max: 344.00




Field 24833
Mag:[17.5, 20.5]
Class: A1
Class: A2
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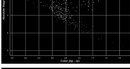
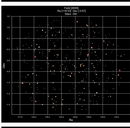
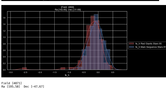
Class: A1000





Classification Accuracy Comparison
Mean Accuracy: 0.000
Classification Accuracy Distribution
Mean Accuracy: 0.000
Class 0
Class 1
Class 2
Class 3
Class 4
Class 5
Class 6
Class 7
Class 8
Class 9
Class 10
Class 11
Class 12
Class 13
Class 14
Class 15
Class 16
Class 17
Class 18
Class 19
Class

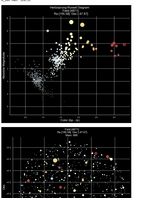


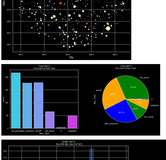
Field 2400?
RA 12:17:12 Dec 1:47.4?1

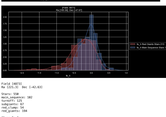
Nsrcs: 4?8?
mean_separation: 177
subgraphs: 1?
max_degree: 4?
rms_degree: 1?
rms_gradient: 1?

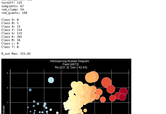
Class A: 0
Class B: 0
Class C: 0
Class D: 1?8
Class E: 1?8
Class F: 1?8
Class G: 1?8
Class H: 0
Class I: 0

A_cut Nsrc: 1?8.?7







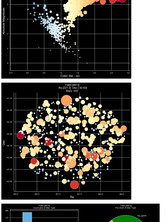


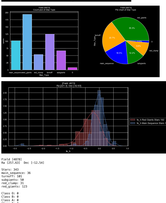
Field 2400?
RA 12:17:?? Dec 1:4?.4?2

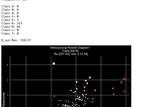
Nsrcs: 7?8
mean_separation: 1?2
subgraphs: 1?
max_degree: 1?
rms_degree: 1?
rms_gradient: 7?8

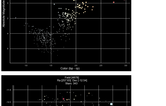
Class A: 0
Class B: 0
Class C: 0
Class D: 1?8
Class E: 1?8
Class F: 1?8
Class G: 1?8
Class H: 0
Class I: 0

A_cut Nsrc: 7?8.4?







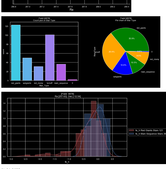


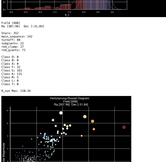
Field 2400?
RA 12:17:?? Dec 1:12.1?1

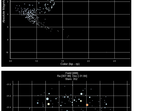
Nsrcs: 4?2
mean_separation: 7?
subgraphs: 1?
max_degree: 1?
rms_degree: 1?
rms_gradient: 1?1

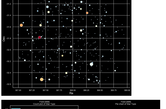
Class A: 0
Class B: 0
Class C: 0
Class D: 1?2
Class E: 1?2
Class F: 1?2
Class G: 1?2
Class H: 0
Class I: 0

A_cut Nsrc: 1?2.?7







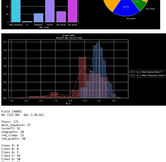


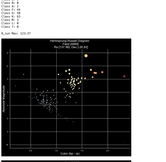
Field 2400?
RA 12:17:?? Dec 1:1?.1?1

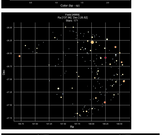
Nsrcs: 2?2
mean_separation: 1?2
subgraphs: 1?
max_degree: 1?
rms_degree: 1?
rms_gradient: 1?

Class A: 0
Class B: 0
Class C: 0
Class D: 1?2
Class E: 1?2
Class F: 1?2
Class G: 1?2
Class H: 0
Class I: 0

A_cut Nsrc: 1?2.?7





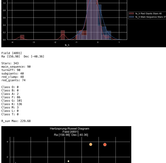


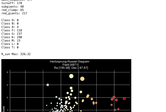
Field 2400?
RA 12:17:?? Dec 1:1?.?1

Nsrcs: 1?8
mean_separation: 37
subgraphs: 1?
max_degree: 1?
rms_degree: 1?
rms_gradient: 1?

Class A: 0
Class B: 0
Class C: 0
Class D: 1?8
Class E: 1?8
Class F: 1?8
Class G: 1?8
Class H: 0
Class I: 0

A_cut Nsrc: 1?8.?7



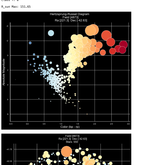


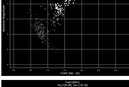
Field 2400?
RA 12:17:?? Dec 1:4?.?1

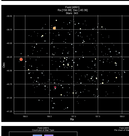
Nsrcs: 8?
mean_separation: 8?
subgraphs: 8?
max_degree: 1?
rms_degree: 1?
rms_gradient: 1?

Class A: 0
Class B: 0
Class C: 0
Class D: 1?8
Class E: 1?8
Class F: 1?8
Class G: 1?8
Class H: 0
Class I: 0

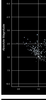
A_cut Nsrc: 1?8.?8

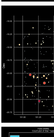






Cross Section Distance (km)
Cross Section Height (km)
Cross Section Density (g/cm³)
Cross Section Temperature (K)
Cross Section Pressure (Pa)
Cross Section Velocity (km/s)
Cross Section Mach Number
Cross Section Gravity (m/s²)
Cross Section Scale Height (km)
Cross Section Column Density (g/cm²)
Cross Section Optical Depth
Cross Section Transmittance
Cross Section Emissivity
Cross Segment Length (km)
Cross Segment Density (g/cm³)
Cross Segment Temperature (K)
Cross Segment Pressure (Pa)
Cross Segment Velocity (km/s)
Cross Segment Mass (g)
Cross Segment Column Density (g/cm²)
Cross Segment Optical Depth
Cross Segment Transmittance
Cross Segment Emissivity
Cross Segment Radiance (W/m²/sr)
Cross Segment Spectral Radiance (W/m²/sr/μm)
Cross Segment Spectral Radiance (W/m²/sr/cm⁻¹)
Cross Segment Spectral Radiance (W/m²/sr/Hz)
Cross Segment Spectral Radiance (W/m²/sr/Å)
Cross Segment Spectral Radiance (W/m²/sr/nm

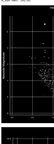


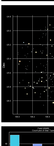


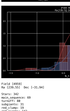
Field 24800
Ra [180.0] Dec [-25.06]
Stars: 382
mean_separation: 72
hotspot: 0.00
nsaturated: 48
nsaturated_frac: 0.13
red_gradient: 55

Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 0
Class F: 0
Class G: 0
Class H: 0
Class I: 0
Class J: 0

m_cat Max: 242.85



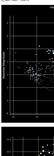


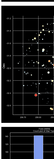


Field 24900
Ra [180.0] Dec [-25.56]
Stars: 387
mean_separation: 68
hotspot: 0.00
nsaturated: 51
nsaturated_frac: 0.13
red_gradient: 0.00

Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 0
Class F: 0
Class G: 0
Class H: 0
Class I: 0
Class J: 0

m_cat Max: 250.0

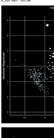


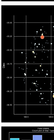


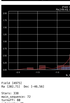
Field 24800
Ra [180.0] Dec [-26.56]
Stars: 387
mean_separation: 68
hotspot: 0.00
nsaturated: 51
nsaturated_frac: 0.13
red_gradient: 0.00

Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 0
Class F: 0
Class G: 0
Class H: 0
Class I: 0
Class J: 0

m_cat Max: 250.00



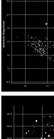




Field 24900
Ra [180.75] Dec [-46.56]
Stars: 387
mean_separation: 72
hotspot: 0.00
nsaturated: 48
nsaturated_frac: 0.12

Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 0
Class F: 0
Class G: 0
Class H: 0
Class I: 0
Class J: 0

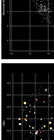
m_cat Max: 242.50

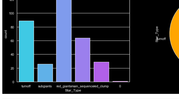


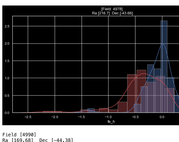
Field 24800
Ra [180.0] Dec [-45.06]
Stars: 383
mean_separation: 50
hotspot: 0.00
nsaturated: 48
red_gradient: 0.00

Class A: 0
Class B: 0
Class C: 0
Class D: 0
Class E: 0
Class F: 0
Class G: 0
Class H: 0
Class I: 0

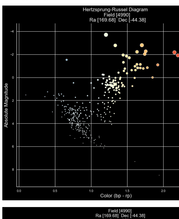
m_cat Max: 246.50

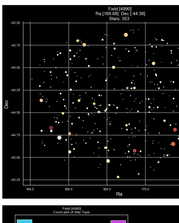


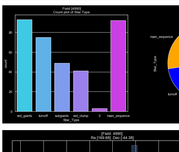


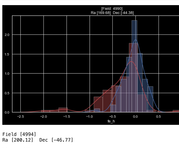



```
Field (4098)
Ra [169.68]  Dec [-44.38]

Stars: 353
main_sequence: 92
turnoff: 75
subgiants: 49
red_clump: 41
red_giants: 93

Class O: 0
Class B: 0
Class A: 2
Class F: 83
Class G: 110
Class K: 118
Class M: 0
Class L: 0
Class T: 0

R_sun Max: 99.58
```

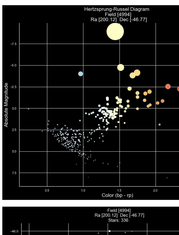


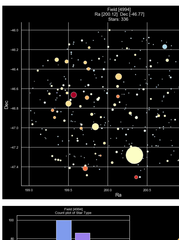


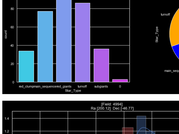


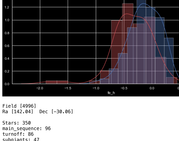



```
Field (4094)
Ra [200.12]  Dec [-46.77]

Stars: 330
main_sequence: 77
turnoff: 86
subgiants: 36
red_clump: 34
red_giants: 100

Class O: 0
Class B: 0
Class A: 1
Class F: 72
Class G: 102
Class K: 139
Class M: 11
Class L: 0
Class T: 0

R_sun Max: 1331.3
```

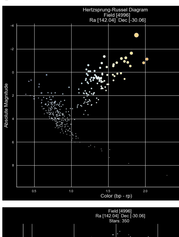


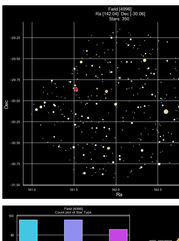


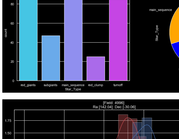


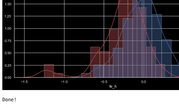



```
Field (4096)
Ra [142.04]  Dec [-30.06]

Stars: 350
main_sequence: 96
turnoff: 86
subgiants: 47
red_clump: 25
red_giants: 96

Class O: 0
Class B: 0
Class A: 0
Class F: 80
Class G: 119
Class K: 133
Class M: 4
Class L: 0
Class T: 0

R_sun Max: 125.47
```









Done!

[2]: