```
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 7.5.0 -- An enhanced Interactive Python.

In [1]:

In [1]: run /Users/josephharrington/Dropbox/My Field MP Logs/_edit/~/Users/josephharrington/{Users/josephharrington/gits/exoweb/bin/python
Loading ...

Class G: 47
Class K: 348
Class M: 1000
Class L: 1140
Class T: 1140
Class Y: 1140
Class B: 11249
Class A: 11249
Class F: 11249
Class O: 11249

TU: 60112
Mag: 20.0
Max: 20348
Min: 0.0
Mu: 10012

All Stars 67360

BD: Stars 5738

Mv_g: Stars 9204
Mv_r: Stars 9204
Mv_i: Stars 10898
Mv_z: Stars 10898

BMJ_g: Stars 20898
BMJ_r: Stars 20898
BMJ_i: Stars 20898
BMJ_z: Stars 2203

BMq_g: Stars 59828
BMq_r: Stars 59828
BMq_i: Stars 59828
BMq_z: Stars 59828

Mz_g: Stars 5138
Mz_r: Stars 5138
Mz_i: Stars 5138
Mz_z: Stars 5225

Mq_g: Stars 2225
Mq_r: Stars 2225
Mq_i: Stars 2225
Mq_z: Stars 2225

Parsec 1996

Subset of Parsec 2W
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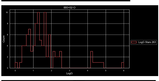

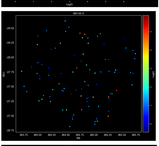

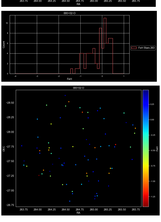

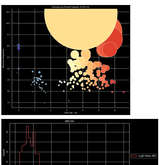

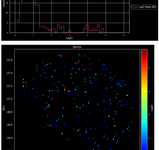

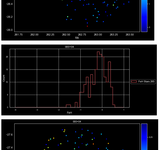

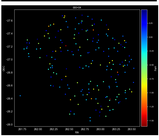

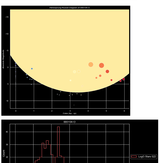

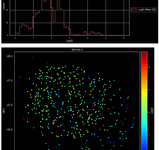

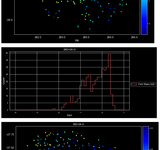

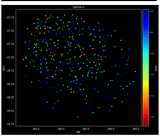

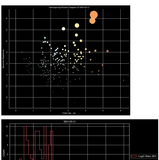

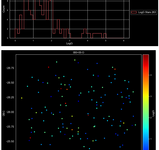

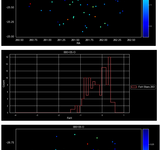

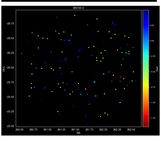

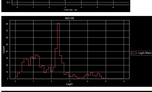

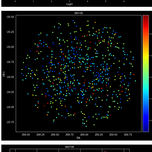

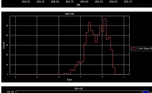

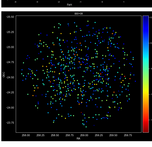

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rnd_times: 10
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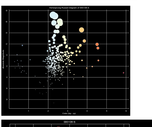

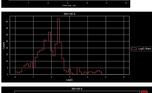

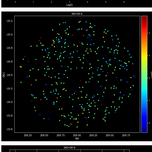

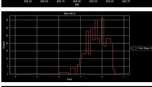

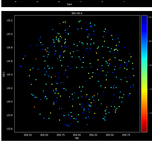

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000-01

Programmers: ['sanyam', 'Sulge']

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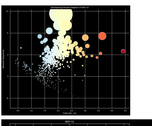

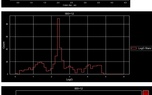

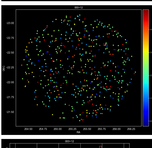

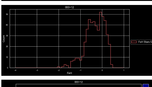

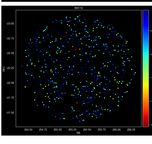

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000-02

Programmers: ['sanyam']

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subparts: 2
rnd_seed: 10
rnd_times: 10
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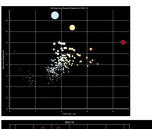

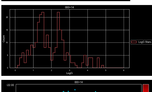

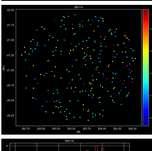

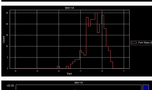

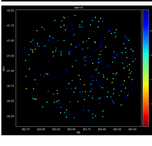

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000-03

Programmers: ['sanyam']

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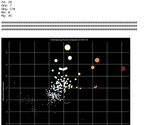

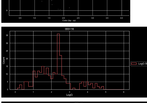

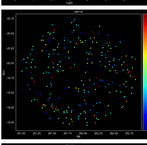

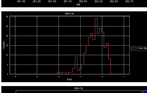

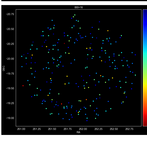

000-17

Prog=gadget: ['ts/lp']

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subhaloid: 0
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num_bins: 40
red_points = red_clump: 199

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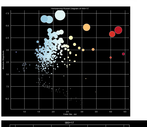
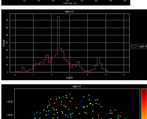
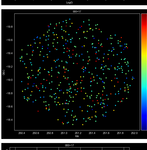
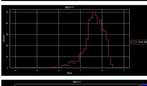
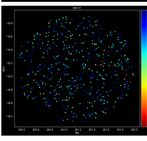
Mvir: 1
dmv: 0.1
Mpeak: 10
Mp: 10
Mc: 10











000-18

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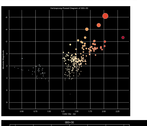
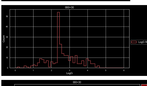
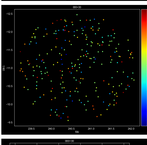
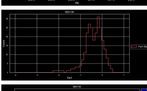
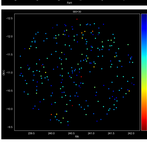
Mvir: 1
dmv: 0.1
Mpeak: 10.3
Mp: 10
Mc: 10











000-05

Prog=gadget: ['qsqsqm']

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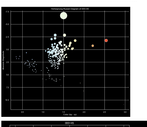
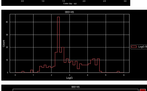
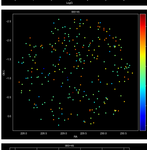
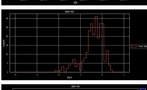
num_bins: 40
red_points = red_clump: 142

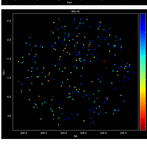
Dc: 1
Mvir: 1
dmv: 0.1
Mpeak: 10
Mp: 9









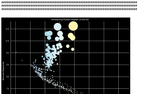


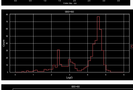
000-00

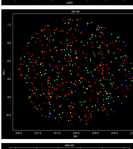
Prog=gadget: ['ts/c']

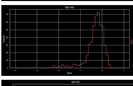
main_snapshot: 283
haloid: 0
subhaloid: 0
num_points: 828
num_bins: 40
red_points = red_clump: 148

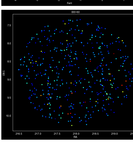
Dc: 0
Mvir: 1
dmv: 174
Mpeak: 10
Mp: 10
Mc: 10









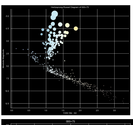


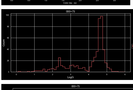
```
==================================================================
0000-75

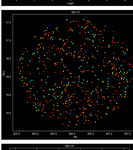
Programmer: I'aspqw'l

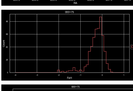
main_sequence: 1230
turnoff: 0
subgiants: 12
giants: 1 (0.1%)
red_giants: 36
red_giants + red_clump: 204

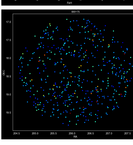
Dec: 21
Vel: 18
Mag: 19
Mag: 19.4
Mg: 3
==================================================================
```









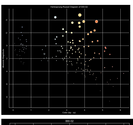


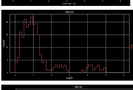
```
==================================================================
0000-02

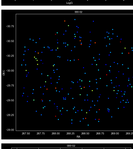
Programmer: I'aspqw'l

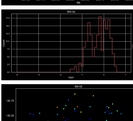
main_sequence: 12
turnoff: 0
subgiants: 0
giants: 270
red_giants: 36
red_giants + red_clump: 242

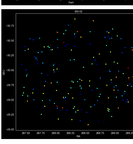
Dec: 24
Vel: 18
Mag: 19
Mag: 19.4
Mg: 3
==================================================================
```









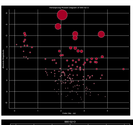


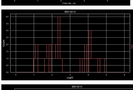
```
==================================================================
0000-02.0

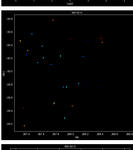
Programmer: I'aliberpin_ch'l

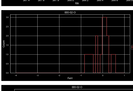
main_sequence: 0
turnoff: 0
subgiants: 1
giants: 1 (0.1%)
red_giants: 0
red_giants + red_clump: 240

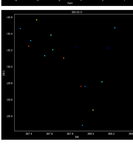
Dec: 21
Vel: 18
Mag: 19
Mag: 19.4
Mg: 3
==================================================================
```









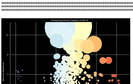


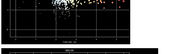
```
==================================================================
0000-00

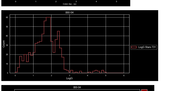
Programmer: I'aliqr'l

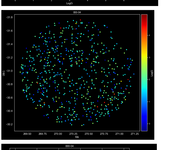
main_sequence: 21
turnoff: 1
subgiants: 1
giants: 1 (0.1%)
red_giants: 40
red_giants + red_clump: 645

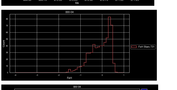
Dec: 0
Vel: 0
Mag: 19
Mag: 19.4
Mg: 3
Mu: 21
==================================================================
```

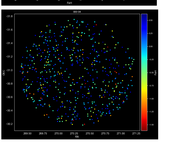










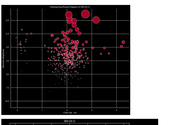


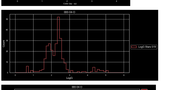
0000-00-00

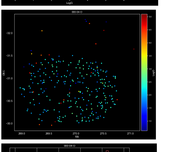
Programkamer: ['kolleren_17v' 'sitkafeen_17v']

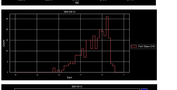
main_separator: 12
kompetit: 1
subgenre: 4
red_points: 408
red_clumps: 4
red_points - red_clump: 438

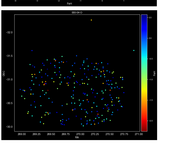
Nr: 0
Ver: 0
Dag: 0
Mnd: 0
Aar: 0









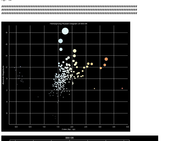


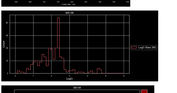
0000-00-00

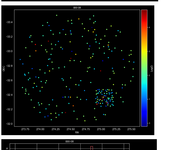
Programkamer: ['fa/lgr']

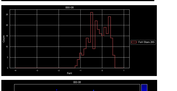
main_separator: 8
kompetit: 1
subgenre: 2
red_points: 47
red_clumps: 47
red_points - red_clump: 206

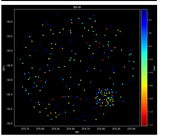
Nr: 20
Ver: 0
Dag: 0
Mnd: 02
Aar: 0
Nr: 51









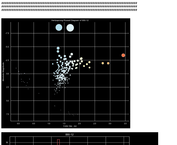


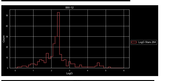
0000-12

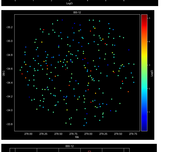
Programkamer: ['fa/lgr']

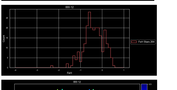
main_separator: 10
kompetit: 1
subgenre: 4
red_points: 343
red_clumps: 4
red_points - red_clump: 399

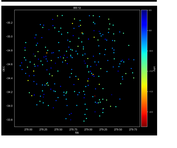
Nr: 20
Ver: 0
Dag: 0
Mnd: 04
Aar: 0
Nr: 51









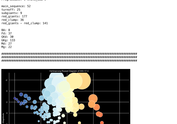


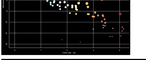
0000-12-12

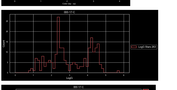
Programkamer: ['static_18v']

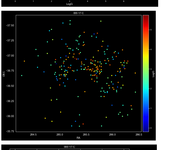
main_separator: 10
kompetit: 1
subgenre: 4
red_points: 91
red_clumps: 4
red_points - red_clump: 141

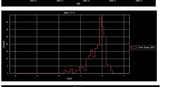
Nr: 0
Ver: 0
Dag: 0
Mnd: 18
Aar: 12
Nr: 17

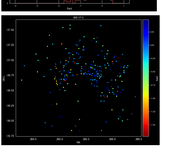












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=================================================================
=================================================================

MEI-HO

Drug=Gabapen [ Gabapen ]

main_separator: 10
hierarchy: 0
subgroups: 0
sub_groups: 300
ref_groups = ref_clump: 241

Ms: 20
Ms: 0
Ms: 0
Mgs: 25
Mg: 0
Mc: 300
=================================================================
=================================================================
```

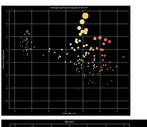

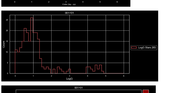

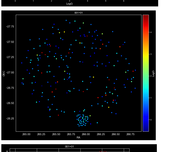

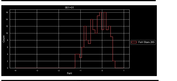

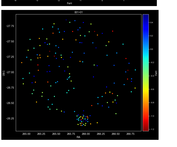

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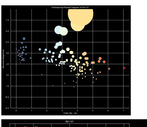
=================================================================
=================================================================

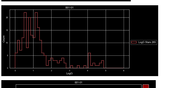
MEI-SE

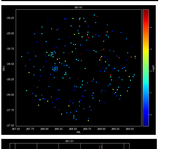
Drug=Gabapen [ Gabapen ]

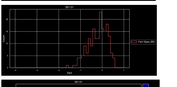
main_separator: 10
hierarchy: 0
subgroups: 0
sub_groups: 300
ref_groups = ref_clump: 243

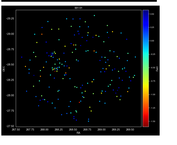
Ms: 20
Ms: 0
Mgs: 0
Mg: 0
Mc: 0
=================================================================
=================================================================
```











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=================================================================
=================================================================

MEI-HO-O

Drug=Gabapen [ Tolfenamic_Ac ]

main_separator: 0
hierarchy: 0
subgroups: 0
sub_groups: 0
ref_groups = ref_clump: 250

Ms: 0
Ms: 0
Mgs: 0
Mg: 0
Mc: 0
=================================================================
=================================================================
```

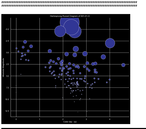

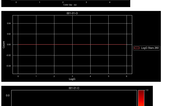

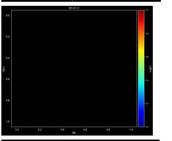

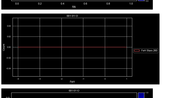

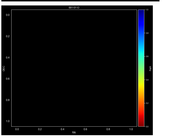

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MEI-HO-E

Drug=Gabapen [ Tolfenamic_Ac ]  Infrafen_Ex ]

main_separator: 10
hierarchy: 0
subgroups: 0
sub_groups: 301
ref_groups = ref_clump: 440

Ms: 20
Ms: 0
Mgs: 0
Mg: 0
Mc: 0
=================================================================
=================================================================
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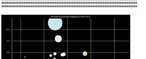
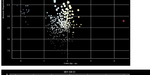
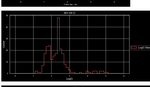
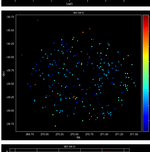
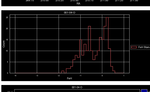
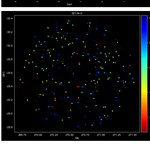


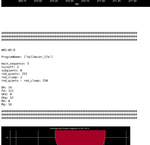








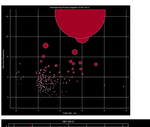


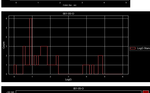


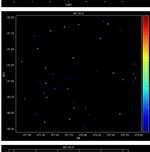
MO:40:0

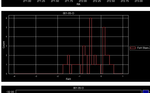
Programmer: I'Solimon_Ch'i
mon_sequence: 0
turnoff: 1
subpattern: 0
rot_speed: 212
rot_angle: 0
rot_points: 256
rot_clamp: 250

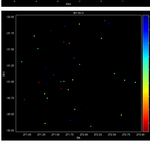
Dx: 24
Dy: 0
Mdx: 0
Mdy: 0
Mz: 0
Mr: 0







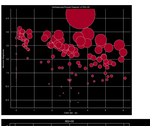


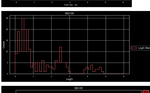


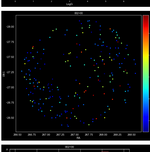
MO:40

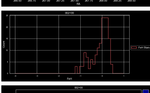
Programmer: I'spoque'Ci
mon_sequence: 12
turnoff: 0
subpattern: 2
rot_speed: 30
rot_angle: 0
rot_points: 4
rot_clamp: 229

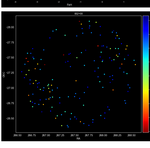
Dx: 25
Dy: 0
Mdx: 0
Mdy: 0
Mz: 0
Mr: 0







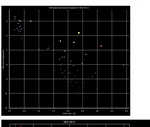


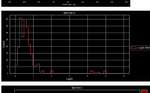


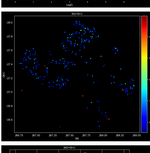
MO:40:1

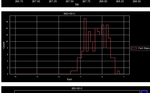
Programmer: I'Jacoal_Ch'i
mon_sequence: 2
turnoff: 1
subpattern: 0
rot_speed: 85
rot_angle: 0
rot_points: 4
rot_clamp: 257

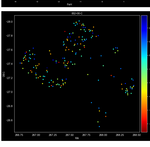
Dx: 0
Dy: 0
Mdx: 0
Mdy: 0
Mz: 0
Mr: 0









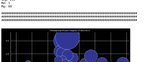


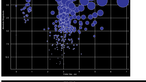
MO:40:2

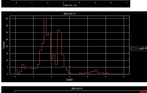
Programmer: I'Solimon_Ch'i 'sitharfem_Ch'i

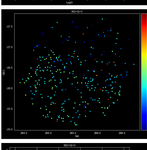
mon_sequence: 11
turnoff: 0
subpattern: 2
rot_speed: 212
rot_angle: 70
rot_points: 16
rot_clamp: 441

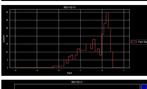
Dx: 22
Dy: 0
Mdx: 0
Mdy: 0
Mz: 0
Mr: 0

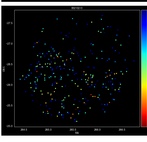












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BEG:000

Programmer: ['sanger']

move_sequence: 14
turnoff: 0
subgoals: 0
red_pieces: 240
red_cells: 40
red_points = red_cities: 240

Dec: 21
Jan: 0
Feb: 0
Mar: 0
Apr: 0
May: 0
Jun: 0
Jul: 0
Aug: 0
Sep: 0
Oct: 0

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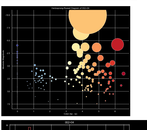

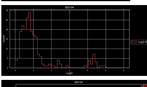

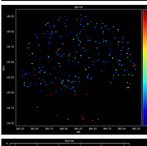

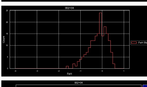

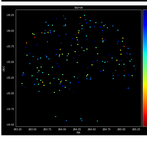

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BEG:000

Programmer: ['sanger']

move_sequence: 14
turnoff: 0
subgoals: 0
red_pieces: 242
red_cells: 40
red_points = red_cities: 233

Dec: 21
Jan: 0
Feb: 0
Mar: 0
Apr: 0
May: 0
Jun: 0
Jul: 0
Aug: 0
Sep: 0
Oct: 0

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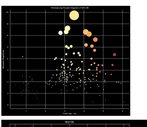

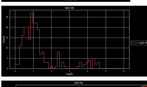

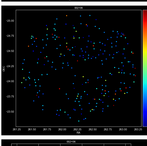

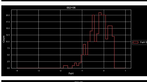

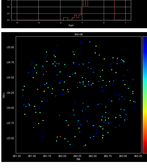

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BEG:00:0

Programmer: ['virtualman_lite']

move_sequence: 0
turnoff: 0
subgoals: 0
red_pieces: 0
red_cells: 40
red_points = red_cities: 200

Dec: 21
Jan: 0
Feb: 0
Mar: 0
Apr: 0
May: 0
Jun: 0

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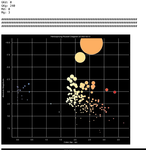

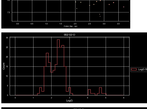

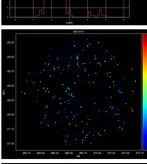

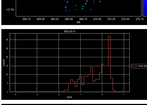

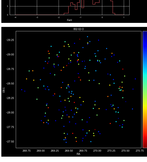

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BEG:00:0

Programmer: ['bellmanian_lite']

move_sequence: 0
turnoff: 0
subgoals: 0
red_pieces: 240
red_cells: 40
red_points = red_cities: 250

Dec: 21
Jan: 0
Feb: 0
Mar: 0
Apr: 0
May: 0
Jun: 0

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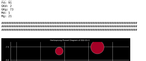
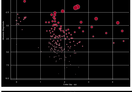
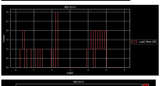
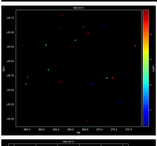
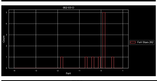
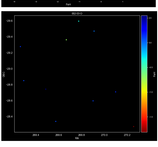


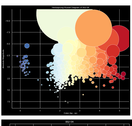


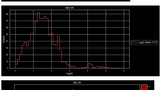


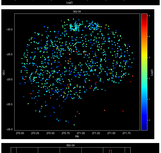


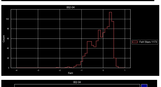


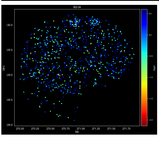








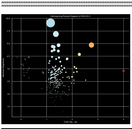


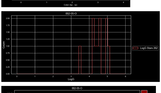


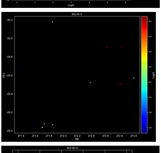
```
DEC-DE
Programmer: ['sayapu' 'Sylge']

main_sequence: 10
tuples: 4
subgames: 8
num_games: 5168
num_plays: 2
num_games + num_flows: 5882

Dec: 10
Dec: 11
Dec: 12
Dec: 13
Dec: 14
Dec: 15
```

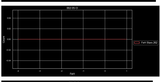


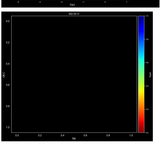
```
DEC-DE-2
Programmer: ['Sylvester_Ilie']

main_sequence: 2
tuples: 4
subgames: 8
num_games: 5
num_plays: 4
num_games + num_flows: 253

Dec: 10
Dec: 11
Dec: 12
Dec: 13
Dec: 14
Dec: 15
```



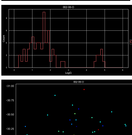


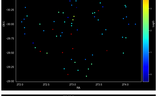


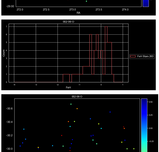


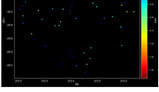


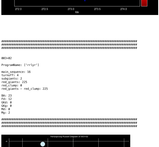
```
DEC-DE-3
Programmer: ['Sylvester_Ilie']

main_sequence: 9
tuples: 4
subgames: 8
num_games: 254
num_plays: 2
num_games + num_flows: 254

Dec: 10
Dec: 11
Dec: 12
Dec: 13
Dec: 14
Dec: 15
```



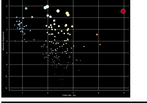


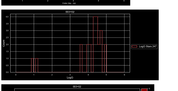


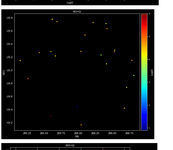


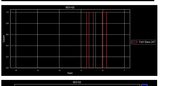


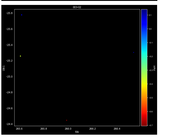
```
DEC-DE
Programmer: ['Cristi']

main_sequence: 10
tuples: 4
subgames: 8
num_games: 5
num_plays: 4
num_games + num_flows: 225

Dec: 10
Dec: 11
Dec: 12
Dec: 13
Dec: 14
Dec: 15
```











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BEST-RES-0

Programfamilie: ['Vollbesetzer_17a']

main_separator: 5
hashprint: 1
hashprint2: 1
hashprint3: 0
real_guards: 20
real_guards = real_slots: 253

Rn: 20
Ro: 20
Cn: 20
Co: 20
Mn: 61
Mo: 61

****************************************************************
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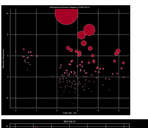

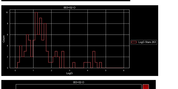

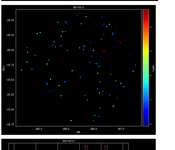

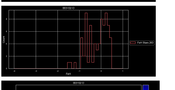

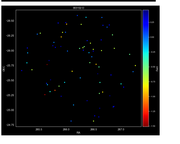

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BEST-RES-1

Programfamilie: ['Vollbesetzer_17a']

main_separator: 4
hashprint: 1
hashprint2: 1
hashprint3: 0
real_guards: 240
real_guards = real_slots: 246

Rn: 20
Ro: 20
Cn: 20
Co: 20
Mn: 61
Mo: 61

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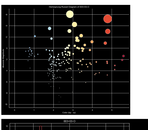

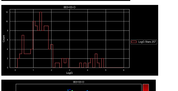

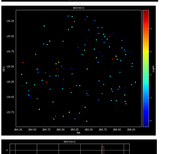

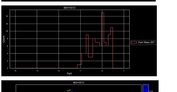

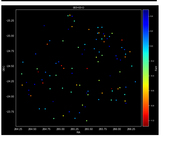

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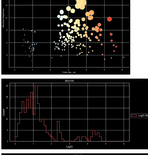
BEST-RES

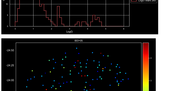
Programfamilie: ['Spiegel']

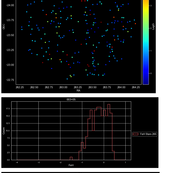
main_separator: 15
hashprint: 1
hashprint2: 0
hashprint3: 0
real_guards: 20
real_guards = real_slots: 233

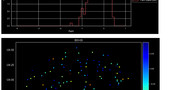
Rn: 20
Ro: 20
Cn: 20
Co: 20
Mn: 61
Mo: 188

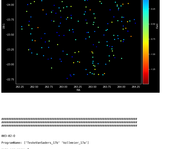
****************************************************************
****************************************************************
```











```
****************************************************************
****************************************************************

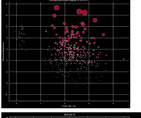
BEST-RES-0

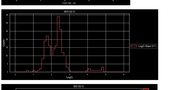
Programfamilie: ['Vorbehandlungen_17a', 'Vollbesetzer_17a']

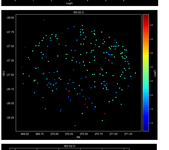
main_separator: 7
hashprint: 1
hashprint2: 0
hashprint3: 188
real_guards: 240
real_guards = real_slots: 447

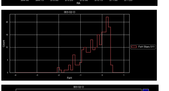
Rn: 20
Ro: 20
Cn: 20
Co: 20
Mn: 61
Mo: 188
Mp: 1

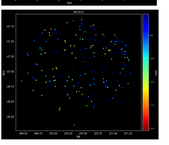
****************************************************************
****************************************************************
```











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MED-RD-C

Programkomm: ['Jupiter_Ship']

main_sequence= 0
sunspots= 0
subgiants= 0
red_giants= 0
red_giants = red_clump= 550

Nb: 15
Ok: 0
Ok: 0
Ok: 0
Ok: 0
Ok: 0
Ok: 0
==================================================
==================================================
```

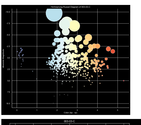

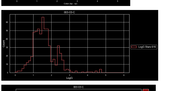

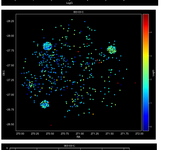

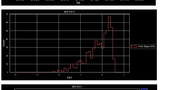

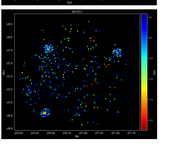

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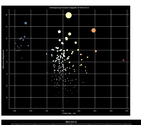
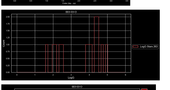
MED-RD-D

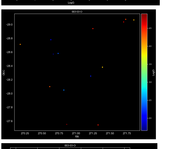
Programkomm: ['Saltlaser_Ship']

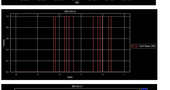
main_sequence= 0
sunspots= 0
subgiants= 0
red_giants= 0
red_giants = red_clump= 352

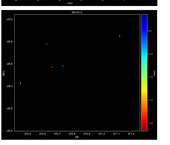
Nb: 15
Ok: 15
Ok: 15
Ok: 0
Ok: 0
Ok: 0
==================================================
==================================================
```











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MED-RD

Programkomm: ['Jupiter']

main_sequence= 15
sunspots= 0
subgiants= 0
red_giants= 300
red_giants = red_clump= 250

Nb: 15
Ok: 0
Ok: 0
Ok: 0
Ok: 0
Ok: 0
==================================================
==================================================
```

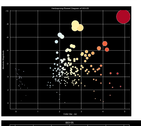

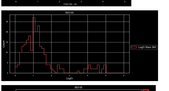

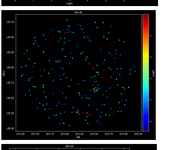

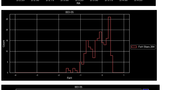

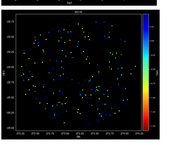

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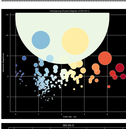
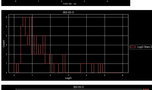
MED-RD-E

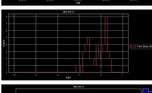
Programkomm: ['Saltlaser_Ship']

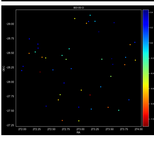
main_sequence= 0
sunspots= 0
subgiants= 0
red_giants= 0
red_giants = red_clump= 240

Nb: 15
Ok: 0
Ok: 0
Ok: 0
Ok: 0
Ok: 0
==================================================
==================================================
```









```
==========================================================
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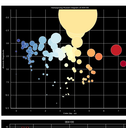
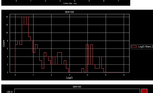
0004-00

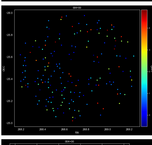
Programmer: ['unique']

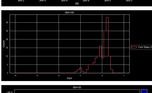
main_sequence: 10
turnoff: 0
subgiants: 1
red_giants: 240
red_clump: 0
red_giants - red_clump: 170

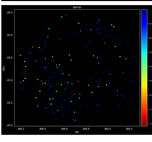
Dec: 20
Ra: 15
Age: 8
Mass: 1.4
Mg: 0.0
==========================================================
```











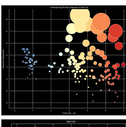
```
==========================================================
==========================================================

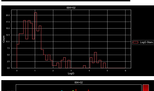
0004-02

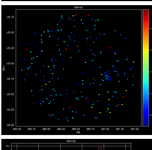
Programmer: ['unique']

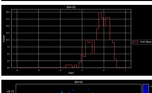
main_sequence: 0
turnoff: 0
subgiants: 0
red_giants: 243
red_clump: 0
red_giants - red_clump: 243

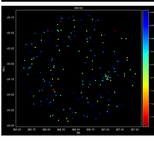
Dec: 20
Ra: 15
Age: 8
Mass: 1.4
Mg: 0.0
==========================================================
```











```
==========================================================
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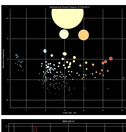
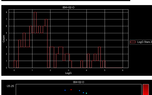
0004-03

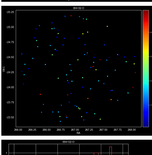
Programmer: ['tolleson_ltu']

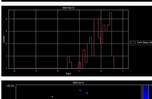
main_sequence: 0
turnoff: 0
subgiants: 1
red_giants: 242
red_clump: 0
red_giants - red_clump: 242

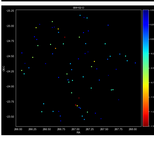
Dec: 20
Ra: 15
Age: 8
Mass: 1.4
Mg: 0.0
==========================================================
```











```
==========================================================
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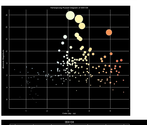
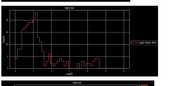
0004-04

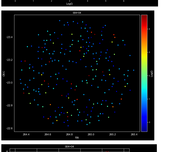
Programmer: ['unique']

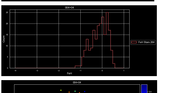
main_sequence: 10
turnoff: 0
subgiants: 0
red_giants: 240
red_clump: 0
red_giants - red_clump: 240

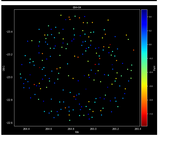
Dec: 20
Ra: 15
Age: 8
Mass: 1.4
Mg: 0.0
==========================================================
```











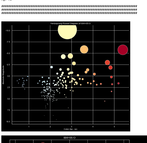

```
##############################################

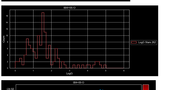
BBH-001.dat

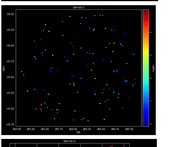
Prog-name: ['kilonova']

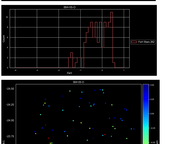
main_separator: 2
nsubpop: 1
nsubpoints: 1
nsubpoints: 1
rad_jumps: 2
rad_jumps: [ rad_flyby: 250

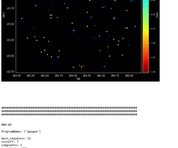
Mx: 20
Vx: 20
My: 20
Vy: 20
Mz: 0
Vz: 0
##############################################
```











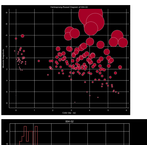

```
##############################################

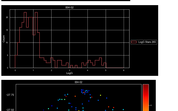
BBH-002

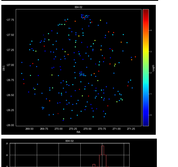
Prog-name: ['spspec']

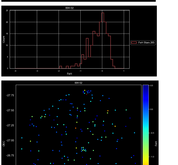
main_separator: 15
nsubpop: 1
nsubpoints: 2
nsubpoints: [0]
rad_jumps: 2
rad_jumps: [ rad_flyby: 255

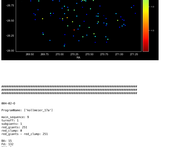
Mx: 0
Vx: 0
My: 0
Vy: 0
Mz: 0
Vz: 100
##############################################
```











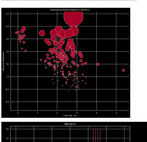

```
##############################################

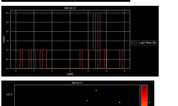
BBH-003-0

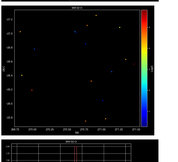
Prog-name: ['kilonova']

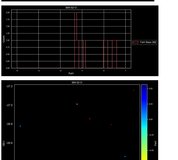
main_separator: 2
nsubpop: 1
nsubpoints: 1
rad_jumps: 2
rad_jumps: [ rad_flyby: 255

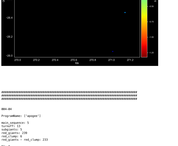
Mx: 20
Vx: 20
My: 20
Vy: 20
Mz: 0
Vz: 0
##############################################
```












```
##############################################

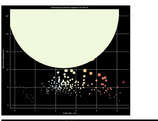
BBH-003

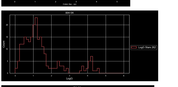
Prog-name: ['spspec']

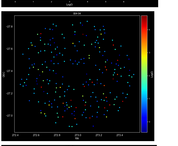
main_separator: 15
nsubpop: 1
nsubpoints: 2
nsubpoints: [0]
rad_jumps: 2
rad_jumps: [ rad_flyby: 255

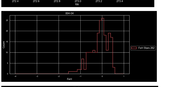
Mx: 0
Vx: 0
My: 0
Vy: 0
Mz: 0
Vz: 100
##############################################
```

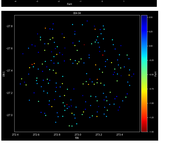
Dec: 20
Vis: 12
Mag: 100









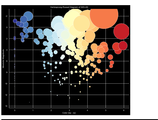


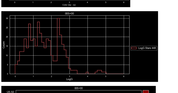
0001-00

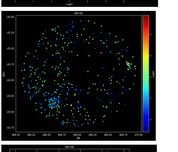
Programmer: I'm Cyr I

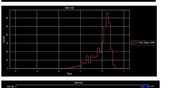
main_sequence: 1
hotspot: 1
rotation: 0.5
rot_period: 300
mag_range: 0.5
rot_points = rot_clump: 200

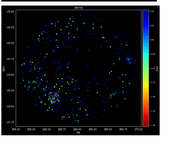
Dec: 0
Vis: 12
Mag: 97
Dec: 0
Vis: 12
Mag: 98









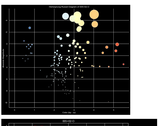


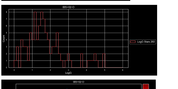
0001-02

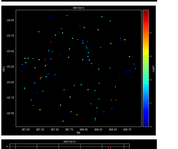
Programmer: I'm Colleen_Cr I

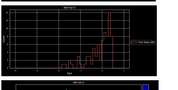
main_sequence: 0
hotspot: 1
rotation: 0.5
rot_period: 210
mag_range: 0
rot_points = rot_clump: 240

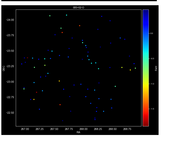
Dec: 15
Vis: 12
Mag: 0
Dec: 0
Vis: 12
Mag: 0
Dec: 0









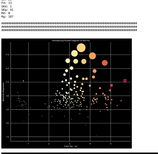


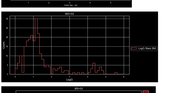
0001-03

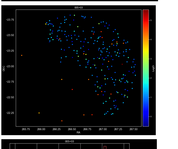
Programmer: I'm Ingvar I

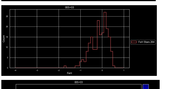
main_sequence: 15
hotspot: 1
rotation: 1
rot_period: 0
mag_range: 2
rot_points = rot_clump: 230

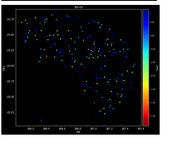
Dec: 20
Vis: 12
Mag: 0
Dec: 0
Vis: 12
Mag: 107











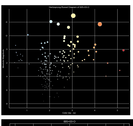
0001-03-2

Programmer: I'm Colleen_Cr I

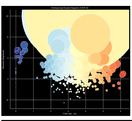
main_sequence: 1
hotspot: 0
rotation: 0.5
rot_period: 210
mag_range: 0
rot_points = rot_clump: 200

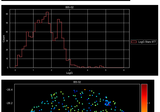
Dec: 22
Jan: 31
Feb: 28
Mar: 31
Apr: 30
May: 31
Jun: 30

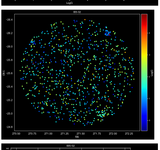
==========

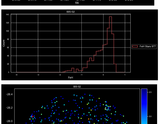

Total Hits: 1000
Total Cluster Hits: 1000
Total Noise Hits: 0
Total Clusters: 1
Largest Cluster: 1000
Smallest Cluster: 1000
Average Cluster: 1000
Number of Clusters: 1
Total Time: 0.000000 s
Average Time per Cluster: 0.000000 s
Noise Cluster Time: 0.000000 s
Clustering Efficiency: 100.000000 %
Cluster 1: 1000 hits
Cluster Hits
Noise Hits
Cluster Time
Noise Time
Cluster Time Ratio
Cluster Efficiency
Cluster Size
Cluster Density
Cluster Shape
Cluster Orientation
Cluster Centroid
Cluster Boundary
Cluster Convexity
Cluster Compactness
Cluster Separation
Cluster Overlap
Cluster Noise Ratio
Cluster Noise Density
Cluster Noise Shape
Cluster Noise Orientation
Cluster Noise Centroid
Cluster Noise Boundary
Cluster Noise Convexity
Cluster Noise Compactness
Cluster Noise Separation
Cluster Noise

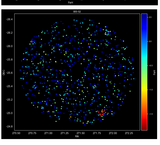
```
red_clump: 96
red_giants: red_clump: 676
Mag: 18
Dis: 8
Age: 9
Mass: 0.8
Met: 0.04
Ma: 145
```



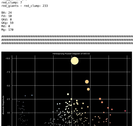


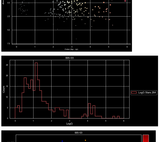


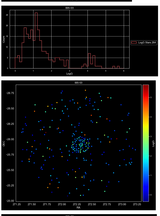


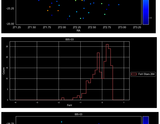


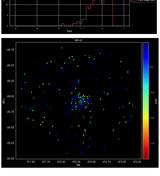
```
NGC-65
Programmer: ['apogee']
mass_separator: 10
binaries: 0
subgiants: 0
red_giants: 248
red_clump: red_clump: 233
Mag: 20
Dis: 10
Age: 9
Mass: 0.8
Met: 0.04
Mag: 0.4
```



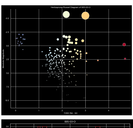


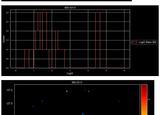


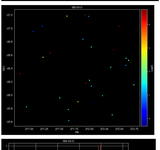


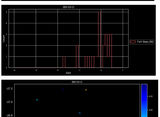


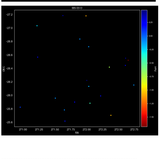
```
NGC-65-0
Programmer: ['ticlimcen_ctw']
mass_separator: 0
binaries: 0
subgiants: 0
red_giants: 0
red_clump: 0
red_clump: red_clump: 254
Mag: 20
Dis: 10
Age: 9
Mass: 0.8
Met: 0.04
Mag: 0.4
```



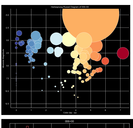


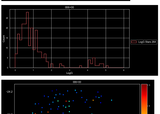


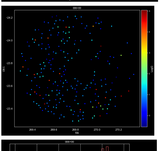


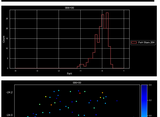


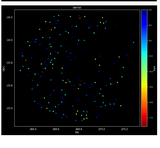
```
NGC-65
Programmer: ['apogee']
mass_separator: 10
binaries: 0
subgiants: 0
red_giants: 0
red_clump: 0
red_clump: red_clump: 245
Mag: 20
Dis: 10
Age: 9
Mass: 0.8
Met: 0.04
Mag: 0.4
```







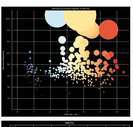


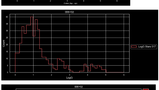


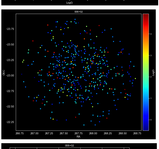
```
NGC-65
Programmer: ['apogee']
mass_separator: 10
binaries: 0
subgiants: 0
red_giants: 0
red_clump: 0
red_clump: red_clump: 245
Mag: 20
Dis: 10
Age: 9
Mass: 0.8
Met: 0.04
Mag: 0.4
```

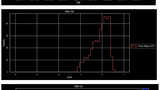
```
Sunspots: 0
Groups: 0
sunspot_area: 0
sunspot_num: 0
real_plumes = real_flumy: 460

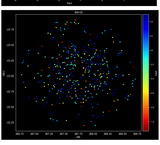
Dec: 22
Year: 0
Day: 0
Hour: 0
Min: 0
```





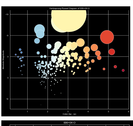


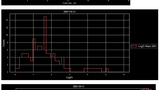


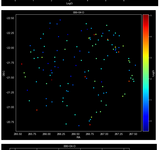


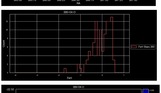
```
0000-00-0
Programmer: I'ollinerion_Q'o'I
sun_separator: 0
Sunspots: 0
Groups: 0
sunspot_area: 0
sunspot_num: 0
real_plumes = real_flumy: 247

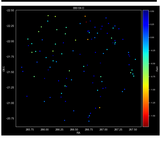
Dec: 22
Year: 0
Day: 0
Hour: 0
Min: 0
Sec: 0
```





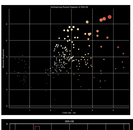


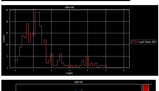


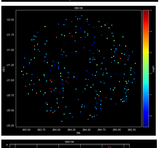


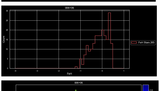
```
0000-00-
Programmer: I'ampar'I
sun_separator: 0
Sunspots: 0
Groups: 0
sunspot_area: 0
sunspot_num: 0
real_plumes = real_flumy: 230

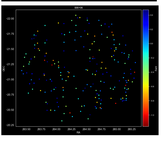
Dec: 22
Year: 0
Day: 0
Hour: 0
Min: 0
Sec: 0
```





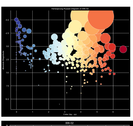


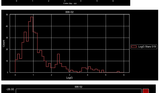


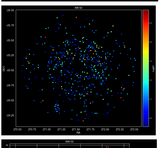


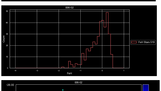
```
0000-02
Programmer: I'ampar'I
sun_separator: 0
Sunspots: 0
Groups: 0
sunspot_area: 0
sunspot_num: 0
real_plumes = real_flumy: 407

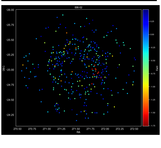
Dec: 22
Year: 0
Day: 0
Hour: 0
Min: 0
Sec: 0
```



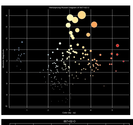


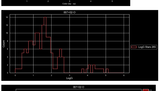


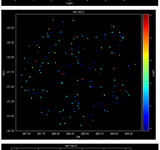


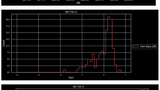


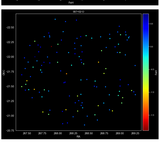
```
Programmer: Tejal Desai_CN'2
-----------------------------
main_separator: 0
hydrogen: 0.75
helium: 0.25
redshift: 0.04
red_cutoff: 0
red_points = red_clump: 145
-----------------------------
Mg: 12
Ne: 10
Si: 14
Ca: 20
Fe: 26
Ni: 28
Mn: 55
-----------------------------
-----------------------------
```









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```
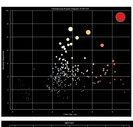
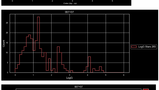
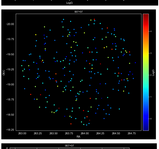
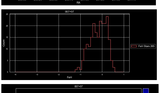
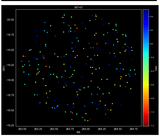

```
Programmer: Tejal Desai
-----------------------------
main_separator: 0
hydrogen: 0.75
helium: 0.25
redshift: 0.04
red_cutoff: 0
red_points = red_clump: 157
-----------------------------
Mg: 12
Ne: 10
Si: 14
Ca: 20
Fe: 26
Ni: 28
Mn: 55
-----------------------------
-----------------------------
```









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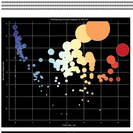
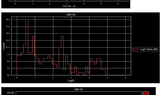
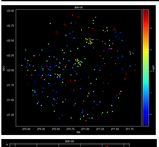
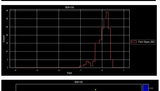
```

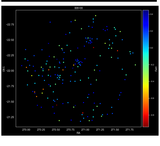
```
Programmer: Tejal Desai
-----------------------------
main_separator: 22
hydrogen: 0.75
helium: 0.25
redshift: 0.04
red_cutoff: 0
red_points = red_clump: 212
-----------------------------
Mg: 12
Ne: 10
Si: 14
Ca: 20
Fe: 26
Ni: 28
Mn: 55
-----------------------------
-----------------------------
```









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```
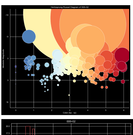
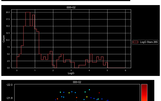
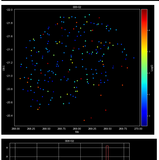
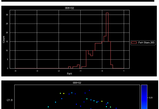
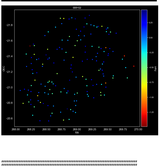

```
Programmer: Tejal Desai
-----------------------------
main_separator: 17
hydrogen: 0.75
helium: 0.25
redshift: 0.04
red_cutoff: 0
red_points = red_clump: 238
-----------------------------
Mg: 12
Ne: 10
Si: 14
Ca: 20
Fe: 26
Ni: 28
Mn: 55
-----------------------------
-----------------------------
```









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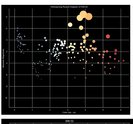
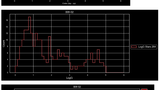
009-02

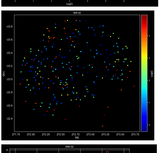
Prog-name: [‘apogee’]

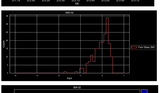
main_separator: 10
nsteps: 5
substeps: 0
rad_points: 22
rad_step: 0.1
rad_points - rad_clump: 211

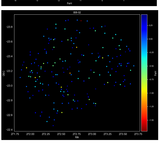
Dx: 12
Dy: 12
Dz: 12
dmin: 0
dmax: 0
Mp: 0
Mc: 0









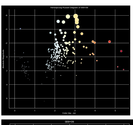


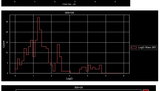
009-03

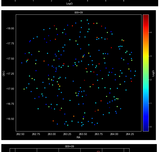
Prog-name: [‘apogee’]

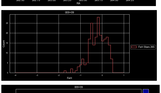
main_separator: 12
nsteps: 5
substeps: 0
rad_points: 22
rad_step: 0.1
rad_points - rad_clump: 217

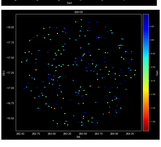
Dx: 12
Dy: 12
Dz: 12
dmin: 0
dmax: 0
Mp: 0
Mc: 0









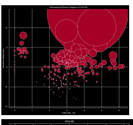


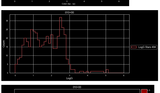
010-00

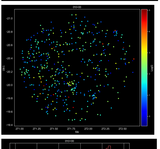
Prog-name: [‘ticlar’]

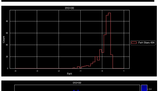
main_separator: 2
nsteps: 5
substeps: 0
rad_points: 300
rad_step: 0.1
rad_points - rad_clump: 443

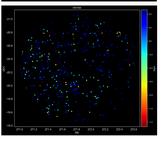
Dx: 0
Dy: 0
Dz: 0
dmin: 0.4
dmax: 0.4
Mp: 0
Mc: 0









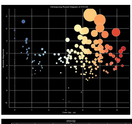


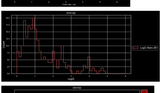
010-01

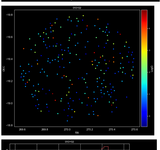
Prog-name: [‘apogee’]

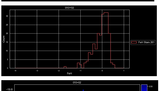
main_separator: 2
nsteps: 5
substeps: 0
rad_points: 310
rad_step: 0.1
rad_points - rad_clump: 229

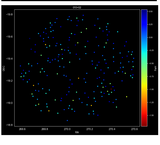
Dx: 12
Dy: 12
Dz: 12
dmin: 0
dmax: 0
Mp: 0
Mc: 0









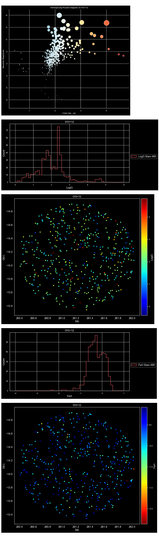


2018-12

Programmes: ['ulrlgr']

main_separator: 15
sep2d: 0.5
subpixels: 4
sep2d_cut: 0.5
red_clump: 98
red_points = red_clump: 176

Ms: 0
Ys: 0
Ms: 12
Ys: 23
Mp: 0
Yp: 0

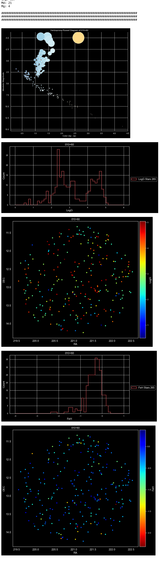


2018-08

Programmes: ['apogee']

main_separator: 76
sep2d: 0.5
subpixels: 4
red_clump: 98
red_points = red_clump: 138

Ms: 8
Ys: 18
Mp: 0
Yp: 0
Mc: 0
Yc: 0

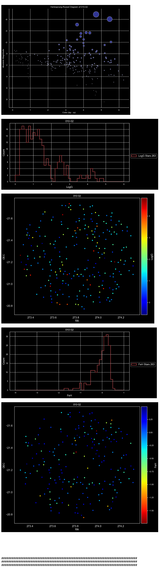


2018-02

Programmes: ['apogee']

main_separator: 0
sep2d: 0.5
subpixels: 4
red_clump: 98
red_points = red_clump: 233

Ms: 16
Ys: 18
Mp: 0
Yp: 0
Mc: 18
Yc: 18

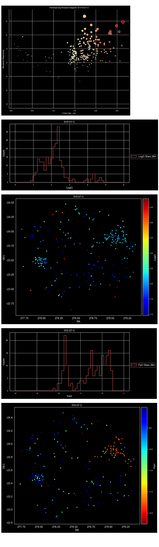


2018-07-2

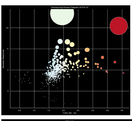
Programmes: ['gtrlr_lbr']

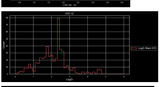
main_separator: 12
sep2d: 0.5
subpixels: 4
red_clump: 98
red_points = red_clump: 212

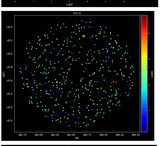
Ms: 18
Ys: 18
Mp: 18
Yp: 18
Mc: 0
Yc: 0

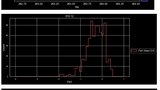


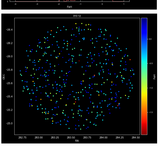
```
**********************************************************
BCW-12

Programmes: ['Vulpe']

main_separator: 18
subplots: 4
subplots_v: 2
num_points: 400
num_frames: 10
real_points = num_frames: 300

Dec: 4
Inc: 0
Cnt: 15
Mag: 0.25
Ma: 0
Mu: 0
**********************************************************
```



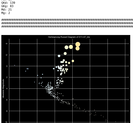


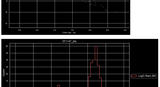


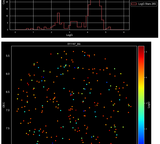


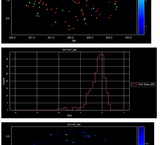


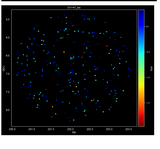

```
**********************************************************
BCI-07_Ori

Programmes: ['Aeta_Eri']

main_separator: 108
subplots: 4
subplots_v: 2
num_points: 64
num_frames: 10
real_points = num_frames: 64

Dec: 0
Inc: 0
Cnt: 15
Mag: 0.25
Ma: 0
Mu: 0
**********************************************************
```



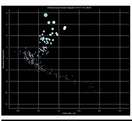


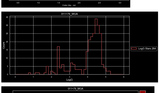


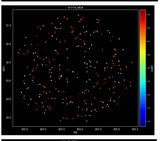


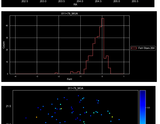


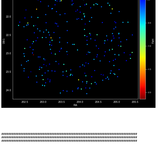

```
**********************************************************
BCI-75_Mus

Programmes: ['Gemini']

main_separator: 142
subplots: 4
subplots_v: 2
num_points: 70
num_frames: 10
real_points = num_frames: 50

Dec: 0
Inc: 0
Cnt: 15
Mag: 0.25
Ma: 0
Mu: 0
**********************************************************
```









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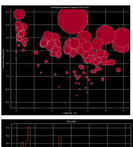
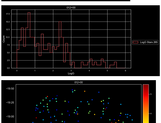
BCI-08

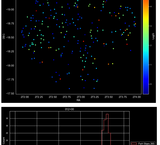
Programmes: ['Lacuna']

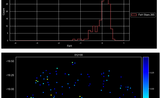
main_separator: 18
subplots: 4
subplots_v: 2
num_points: 1
num_frames: 10
real_points = num_frames: 222

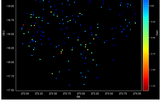
Dec: 22
Inc: 0
Cnt: 0
Mag: 0.25
Ma: 0
Mu: 0.08
**********************************************************
```











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RESUME

Programmer: ['aquque']

main_separator: 35
header: 0
subgroup: 1
sub_subgroup: 0
real_points: 200
real_clump: 20

Nb: 20
Nbp: 0
Nbg: 20
Nbp: 20
Nbg: 0
Nc: 20
==========================================
==========================================
```

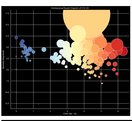

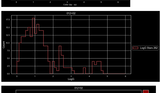

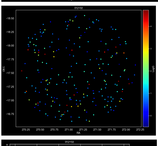

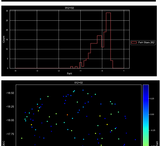

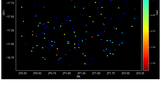

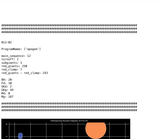


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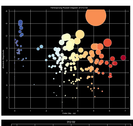
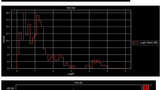
RESUME

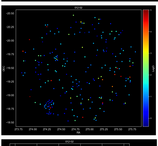
Programmer: ['aquque']

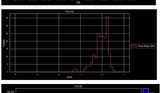
main_separator: 35
header: 0
subgroup: 1
sub_subgroup: 0
real_points: 243

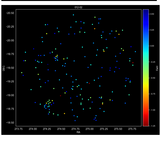
Nb: 20
Nbp: 0
Nbg: 20
Nbp: 20
Nbg: 0
Nc: 20
==========================================
==========================================
```









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RESUME

Programmer: ['helge']

main_separator: 0
header: 0
subgroup: 1
sub_subgroup: 0
real_points: 223

Nb: 20
Nbp: 0
Nbg: 20
Nbp: 19
Nbg: 1
Nc: 223
==========================================
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```

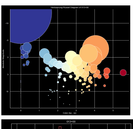

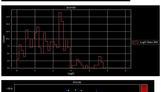

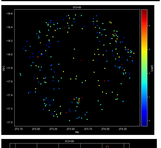

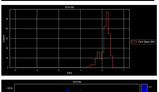

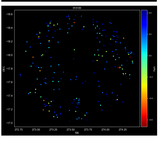


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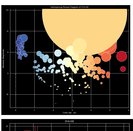
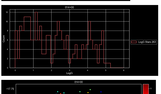
RESUME

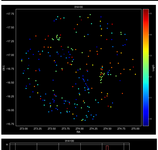
Programmer: ['aquque']

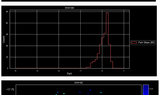
main_separator: 35
header: 0
subgroup: 1
sub_subgroup: 0
real_points: 383

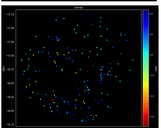
Nb: 20
Nbp: 0
Nbg: 20
Nbp: 20
Nbg: 0
Nc: 20
==========================================
==========================================
```







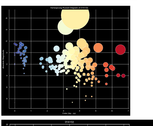


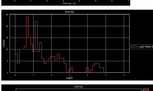


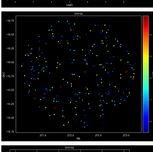
```
KS-HD
Programmer: I'ampar'l

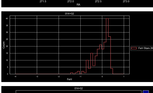
main_separator: 0
turnoff: 0
subgenre: 0
main_genre: 0
red_genre: red_flump: 234

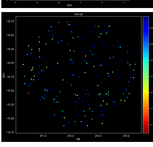
Mo: 12
Tu: 12
Wed: 0
Th: 0
Fr: 0
Sa: 0
Su: 0
```







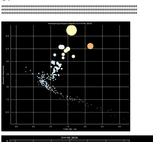


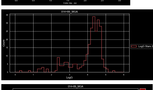


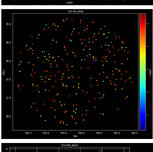
```
KS-HD_MLA
Programmer: I'ampar'l

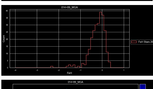
main_separator: 12
turnoff: 0
subgenre: 12
main_genre: 0
red_genre: red_flump: 54

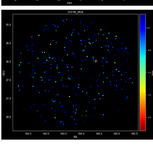
Mo: 0
Tu: 0
Wed: 12
Th: 12
Fr: 0
Sa: 0
Su: 0
```







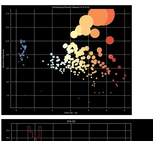


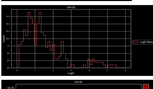


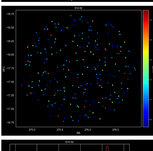
```
KS-HD
Programmer: I'ampar'l

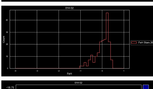
main_separator: 10
turnoff: 0
subgenre: 0
main_genre: 0
red_genre: red_flump: 234

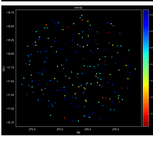
Mo: 10
Tu: 10
Wed: 0
Th: 0
Fr: 0
Sa: 0
Su: 0
```







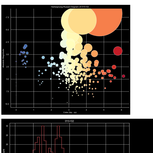


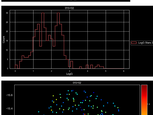


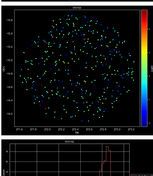
```
KS-HD
Programmer: I'ampar'l

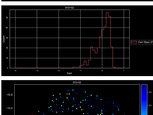
main_separator: 2
turnoff: 0
subgenre: 0
main_genre: 0
red_genre: red_flump: 324

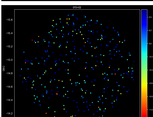
Mo: 20
Tu: 0
Wed: 0
Th: 0.33
Fr: 0.33
Sa: 0.33
```











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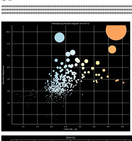
#CD-12

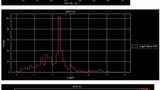
Programmer: ['Sulger']

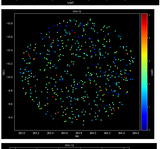
main_parameter: 12
subparm: 0
subparm: 1
num_points: 400
Nx: 50
num_points - num_clump: 300

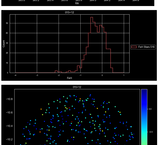
Dx: 2
Dy: 2
xmin: 0
xmax: 100
ymin: 0
Ny: 50

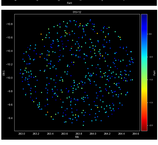
==========











==========

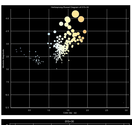
#CD-30

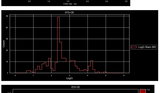
Programmer: ['Sanjeev']

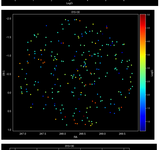
main_parameter: 30
subparm: 0
subparm: 1
num_points: 250
num_points - num_clump: 195

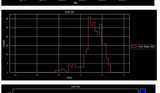
Dx: 2
Dy: 2
xmin: 0
xmax: 100
Nx: 5
ymin: 0
Ny: 50

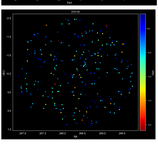
==========











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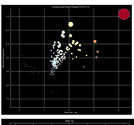
#CD-12

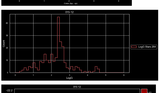
Programmer: ['Sulger']

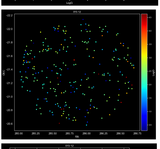
main_parameter: 12
subparm: 0
subparm: 1
num_points: 400
num_points - num_clump: 100

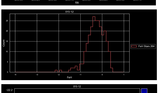
Dx: 2
Dy: 2
xmin: 0
xmax: 100
ymin: 0
Ny: 50

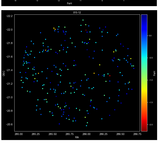
==========











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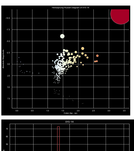
#CD-30

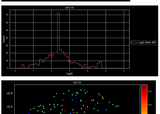
Programmer: ['Sulger']

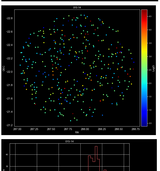
main_parameter: 30
subparm: 0
subparm: 1
num_points: 250
num_points - num_clump: 200

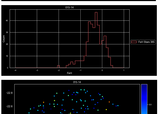
Dx: 2
Dy: 2
xmin: 0
xmax: 100
ymin: 0
Ny: 50

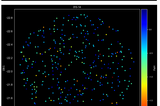
==========











```
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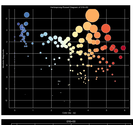
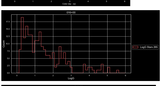
0530-08

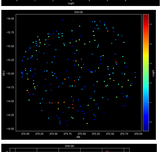
Program name: I'ampsar'I

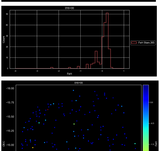
main_sequence: 5
hasgal: 0
subgalactic: 0
subgalactic_lat
cmb_quality: 0
cmb_quality - hd_flag: 157

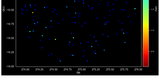
Nb: 22
Ndg: 0
Nbg: 0
Nu: 0
Nu - Ndg: 0
==========================================
```











```
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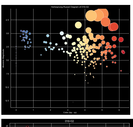
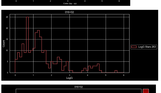
0530-07

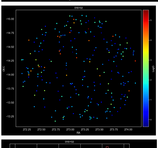
Program name: I'ampsar'I

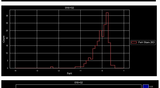
main_sequence: 10
hasgal: 0
subgalactic: 0
subgalactic_lat
cmb_quality: 0
cmb_quality - hd_flag: 157

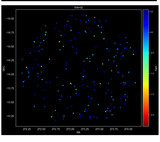
Nb: 22
Ndg: 0
Nbg: 0
Nu: 0
Nu - Ndg: 0
Nu - Nbg: 0
==========================================
```











```
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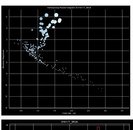
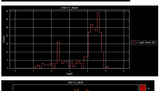
0534-17_MLA

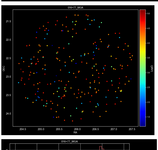
Program name: I'ampsar'I

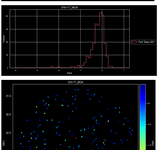
main_sequence: 1123
hasgal: 0
subgalactic: 0
cmb_quality: 81
cmb_quality - hd_flag: 43

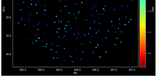
Nb: 1
Ndg: 0
Nbg: 17
Nu: 17
Nu - Ndg: 17
Nu - Nbg: 0
==========================================
```











```
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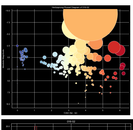
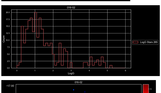
0536-02

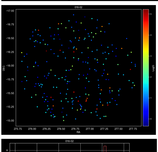
Program name: I'ampsar'I

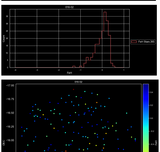
main_sequence: 10
hasgal: 0
subgalactic: 0
subgalactic_lat
cmb_quality: 0
cmb_quality - hd_flag: 157

Nb: 20
Ndg: 0
Nbg: 0
Nu: 0
Nu - Ndg: 0
Nu - Nbg: 0
==========================================
```







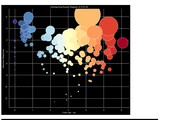


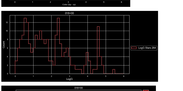
03:01:00

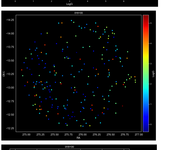
```
Programmer: ['apogee']

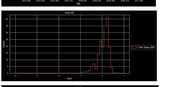
main_separator: 20
hungry?: 0
hungry_for: 0
red_points: 224
blue_points: 0
red_points - red_flag: 217

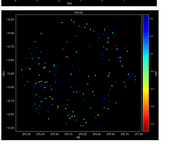
Mn: 20
Mx: 0
Mn: 0
Mx: 0
Mn: 0
Mx: 0.4
```









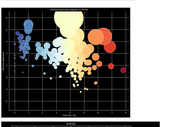


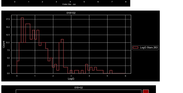
03:01:01

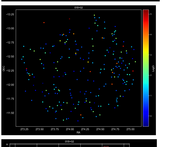
```
Programmer: ['apogee']

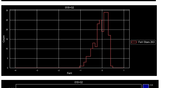
main_separator: 5
hungry?: 0
hungry_for: 0
red_points: 0
blue_points: 0
red_points - red_flag: 230

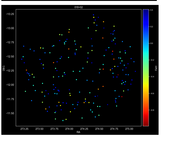
Mn: 0
Mx: 0
Mn: 0
Mx: 0
Mn: 0
Mx: 0.4
```









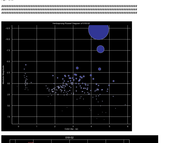


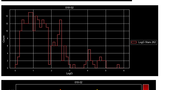
03:01:02

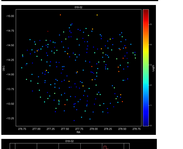
```
Programmer: ['apogee']

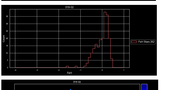
main_separator: 13
hungry?: 0
hungry_for: 0
red_points: 0
blue_points: 0
red_points - red_flag: 231

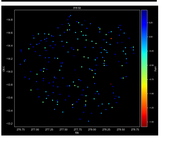
Mn: 20
Mx: 0
Mn: 0
Mx: 0
Mn: 0
Mx: 0.4
```









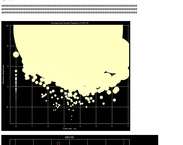


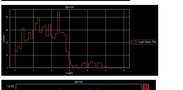
03:01:03

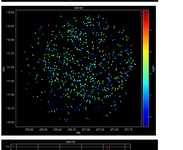
```
Programmer: ['apogee', 'hurge']

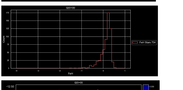
main_separator: 10
hungry?: 0
hungry_for: 0
red_points: 174
blue_points: 0
red_points - red_flag: 903

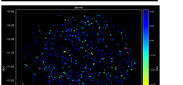
Mn: 0
Mx: 0
Mn: 0
Mx: 0.4
Mn: 0
Mx: 0
```

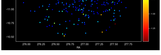












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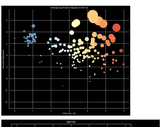
KCR-02

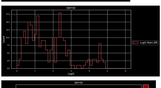
Programmes: ['apogee']

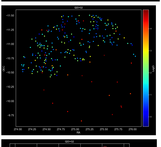
main_separator: 30
hotspot: 1
subpoints: 1
rot_period: 48
rot_frame: 0
tot_points = tot_frame: 212

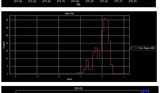
Dec: 26
Ver: 0
Obs: 1
Mag: 15
Ver: 0
Mv: 16

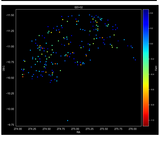
==========











==========

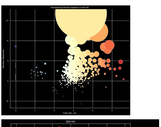
KCR-03

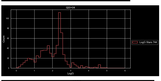
Programmes: ['helix']

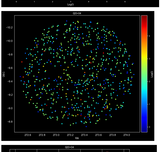
main_separator: 30
hotspot: 1
subpoints: 1
rot_period: 48
rot_frame: 0
tot_points = tot_frame: 534

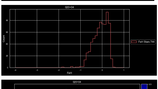
Dec: 0
Ver: 0
Obs: 1
Mag: 212
Ver: 0
Mv: 16

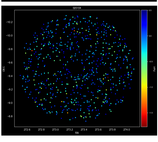
==========











==========

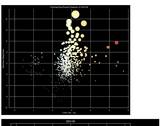
KCR-04

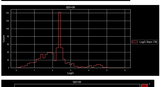
Programmes: ['helix' 'Kirk0']

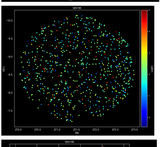
main_separator: 30
hotspot: 1
subpoints: 1
rot_period: 48
rot_frame: 0
tot_points = tot_frame: 534

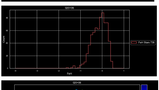
Dec: 0
Ver: 0
Obs: 1
Mag: 19
Ver: 0
Mv: 16

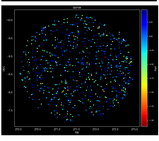
==========











==========

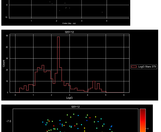
KCR-12

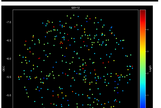
Programmes: ['Kirk0']

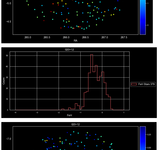
main_separator: 20
hotspot: 1
subpoints: 1
rot_period: 48
rot_frame: 0
tot_points = tot_frame: 205

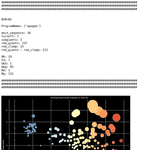
Dec: 20
Ver: 0
Obs: 1
Mag: 19
Ver: 0
Mv: 16

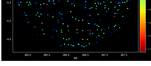
==========











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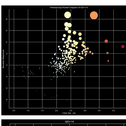
02B/10

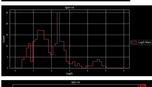
Programmes: ['circle']

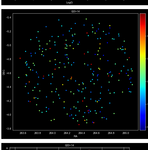
main_sequence: 15
turnoff: 5
subgiants: 2
red_giants: 28
red_clump: 10
red_giants + red_clump: 213

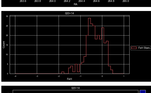
Dec: 0
Ra: 0
Mag: 14
Mag: 0.04
Mag: 0
Mag: 0

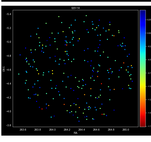
==========











==========

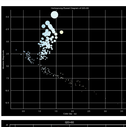
02B/08

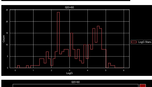
Programmes: ['opaque']

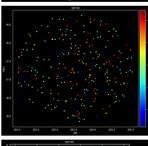
main_sequence: 6
turnoff: 0
subgiants: 10
red_giants: 28
red_clump: 10
red_giants + red_clump: 121

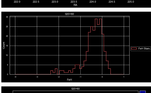
Dec: 0
Ra: 0
Mag: 0
Mag: 0.04
Mag: 0
Mag: 0

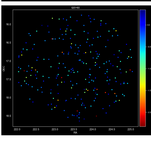
==========











==========

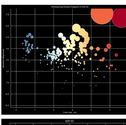
02B/07

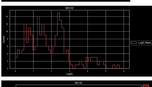
Programmes: ['opaque']

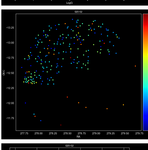
main_sequence: 17
turnoff: 0
subgiants: 2
red_giants: 21
red_clump: 10
red_giants + red_clump: 215

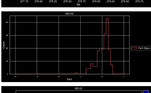
Dec: 10
Ra: 0
Mag: 14
Mag: 0.04
Mag: 0
Mag: 180

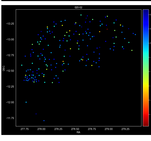
==========











==========

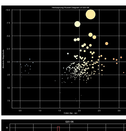
02B/06

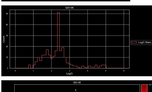
Programmes: ['circle']

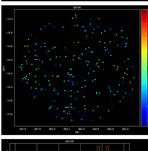
main_sequence: 22
turnoff: 0
subgiants: 2
red_giants: 28
red_clump: 10
red_giants + red_clump: 188

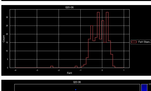
Dec: 0
Ra: 0
Mag: 0
Mag: 0.03
Mag: 0
Mag: 0

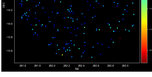
==========



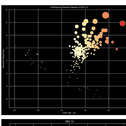


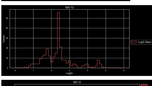


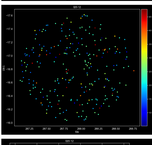


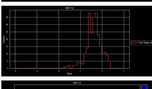


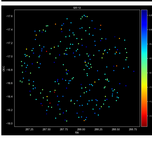
```
Programmer: I'vior I
main_separator: 15
subgroup: 0
subgroup: 0
subgroup: 0
red_jumbo: 60
red_jumbo - red_clump: 171
Mv: 5
Iv: 20
Mg: 18
Ig: 24
Mr: 17
Ir: 30
```



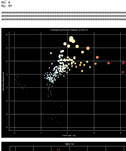


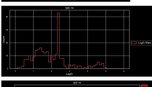


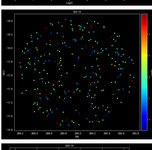


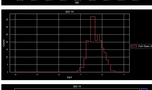


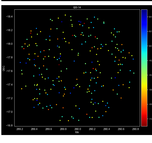
```
Programmer: I'vior I
main_separator: 15
subgroup: 0
subgroup: 0
red_jumbo: 243
Mv: 12
Iv: 27
Mg: 18
Ig: 24
Mr: 17
Ir: 30
red_jumbo - red_clump: 190
```











```
Programmer: I'mange I
main_separator: 15
subgroup: 0
subgroup: 0
subgroup: 0
Mv: 8
Iv: 24
Mg: 18
Ig: 27
Mr: 17
Ir: 30
red_jumbo - red_clump: 52
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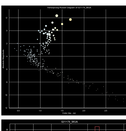
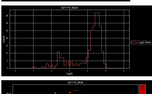
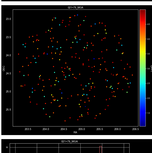
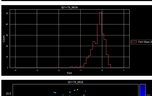
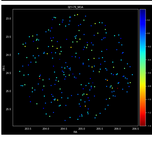


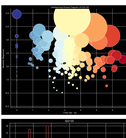


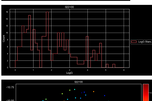


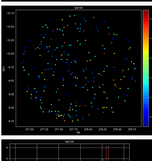


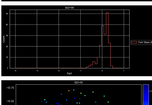


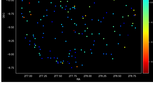
```
Mv: 25
Iv: 30
Mg: 18
Ig: 24
Mr: 16
Ir: 30
```



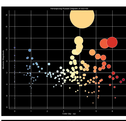


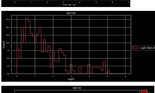


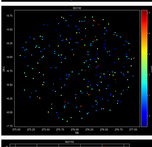


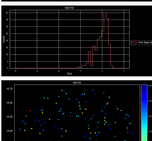


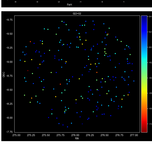
```
##############################################
##############################################

R2C4D

Programmer: ['spaper']

main_separator: 10
height: 8
width: 8
num_points: 400
num_clump: 20
num_points / num_clump: 200

Mn: 0
Mx: 0
Mdn: 0
Mdv: 0
Sd: 0
Mu: 0
Mg: 0
##############################################
##############################################
```









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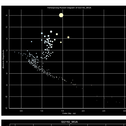
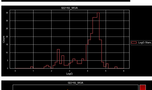
R2C4D_MLM

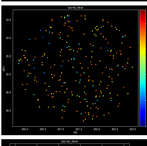
Programmer: ['manpr']

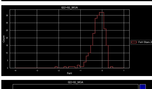
main_separator: 10
height: 8
width: 8
num_points: 400
num_clump: 20
num_points / num_clump: 50

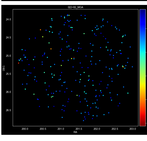
Mn: 0
Mx: 0
Mdn: 147
Mdv: 147
Sd: 0
Mu: 0
Mg: 0
##############################################
##############################################
```









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##############################################
##############################################

R2C4D

Programmer: ['manpr']

main_separator: 10
height: 8
width: 8
num_points: 400
num_clump: 20
num_points / num_clump: 200

Mn: 27
Mx: 0
Mdn: 0
Mdv: 0
Sd: 0
Mu: 0
Mg: 0
##############################################
##############################################
```
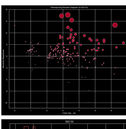
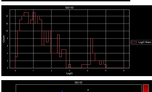
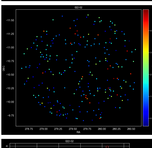
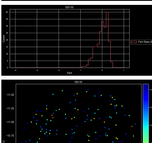
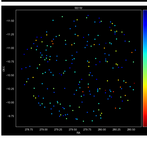



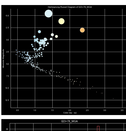


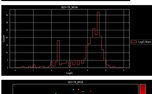


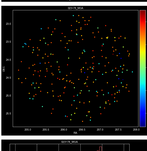


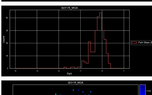


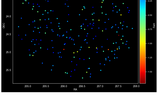

```
##############################################
##############################################

R2C5D_MLM

Programmer: ['manpr']

main_separator: 10
height: 8
width: 8
num_points: 400
num_clump: 20
num_points / num_clump: 50

Mn: 0
Mx: 0
Mdn: 147
Mdv: 147
Sd: 0
Mu: 0
Mg: 0
##############################################
##############################################
```



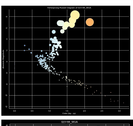


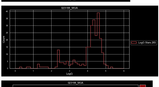


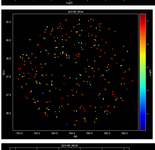


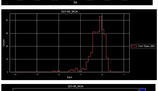


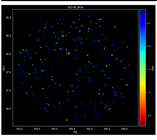
```
RUN48_MLA
Programmer: ['Sanger']
main_separator: 50
hypo0=1 0
subpopsize: 0
hypo0=1 0
red_cutoff: 0
red_points = red_clump: 43
Gen: 0
Gen: 10
Gen: 20
Gen: 30
Gen: 40
Gen: 50
```



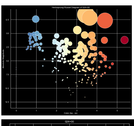


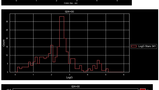


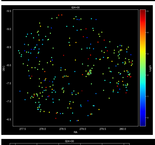


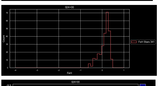


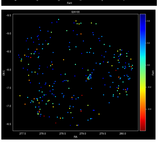
```
RUN48
Programmer: ['Sanger']
main_separator: 50
hypo0=1 0
subpopsize: 0
red_cutoff: 0
red_points = red_clump: 275
Gen: 0
Gen: 10
Gen: 20
Gen: 30
Gen: 40
Gen: 50
```



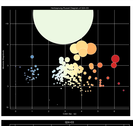


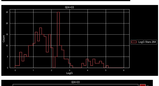


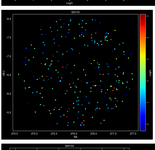


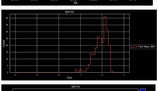


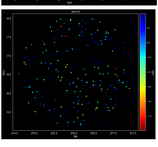
```
RUN49
Programmer: ['Sanger']
main_separator: 50
hypo0=1 0
subpopsize: 0
red_cutoff: 0
red_points = red_clump: 211
Gen: 0
Gen: 10
Gen: 20
Gen: 30
Gen: 40
Gen: 50
```



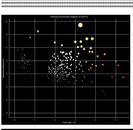


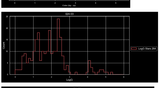


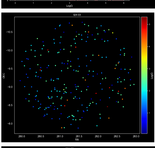


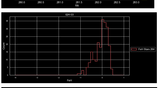


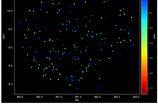
```
RUN40
Programmer: ['Sanger']
main_separator: 50
hypo0=1 0
subpopsize: 0
red_cutoff: 0
red_points = red_clump: 200
Gen: 0
Gen: 10
Gen: 20
Gen: 30
Gen: 40
Gen: 50
```











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RCV=0

Displayframe: ['dist']

main_sequence: 13
turnoff: 1
subgiants: 0
red_giants: 485
red_clump: 41
red_giants - red_clump: 538

Mr: 0
Mb: 0
Mv: 12
Mvr: 12
Mg: 0
Mr: 0
==========================================
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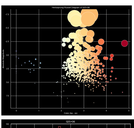
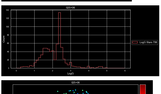
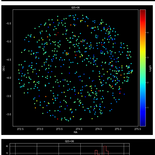
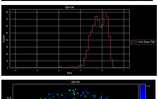
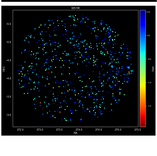
```











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RCV=10

Displayframe: ['dist']

main_sequence: 0
turnoff: 0
subgiants: 0
red_giants: 0
red_clump: 200
red_giants - red_clump: 200

Mr: 0
Mb: 0
Mv: 0
Mvr: 0
Mg: 0
Mr: 0
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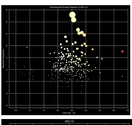

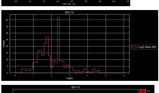

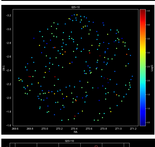

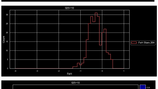

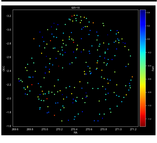

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RCV=20

Displayframe: ['dist']

main_sequence: 28
turnoff: 0
subgiants: 0
red_giants: 222
red_clump: 32
red_giants - red_clump: 190

Mr: 0
Mb: 0
Mv: 0
Mvr: 259
Mg: 0
Mr: 0
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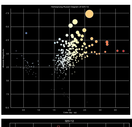

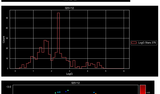

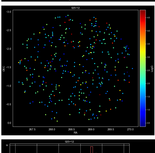

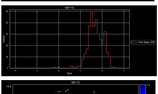

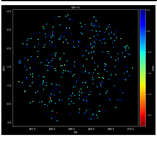

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RCV=30

Displayframe: ['dist']

main_sequence: 12
turnoff: 1
subgiants: 0
red_giants: 255
red_clump: 13
red_giants - red_clump: 242

Mr: 0
Mb: 0
Mv: 0
Mvr: 0
Mg: 0
Mr: 0
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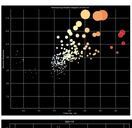

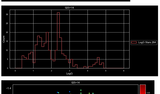

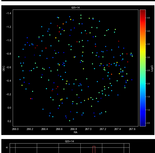

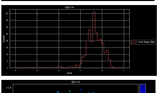

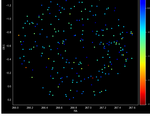

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825-08

Programmer: ['Alex']

main_sequence: 12
mass_cut: 0
subgroup: 2
sub_subgroup: 0
cut_index: 100
cut_points: [-50,0,50]

Nx: 8
Ny: 8
Nz: 8
Mx: 47
My: 47
Mz: 47

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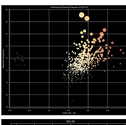

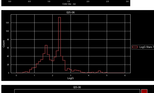

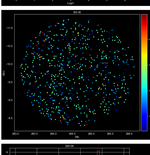

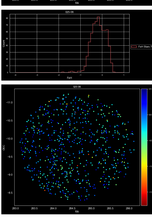

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825-09

Programmer: ['Avlar']

main_sequence: 12
mass_cut: 0
subgroup: 2
sub_subgroup: 24
cut_index: 100
cut_points: [-50,0,50]

Nx: 10
Ny: 10
Nz: 10
Mx: 58
My: 58
Mz: 58

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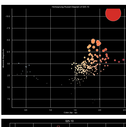

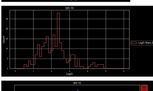

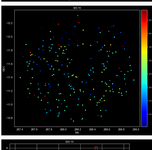

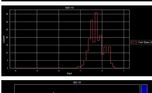

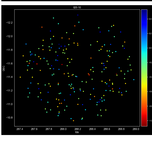

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825-12

Programmer: ['Alex']

main_sequence: 12
mass_cut: 0
subgroup: 2
sub_subgroup: 48
cut_index: 100
cut_points: [-50,0,50]

Nx: 12
Ny: 12
Nz: 12
Mx: 70
My: 70
Mz: 70

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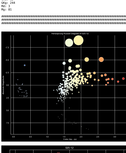

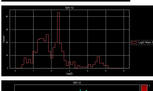

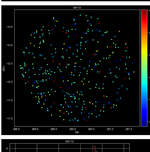

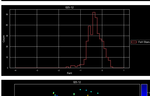

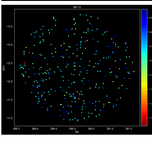

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825-16

Programmer: ['Alex']

main_sequence: 12
mass_cut: 0
subgroup: 2
sub_subgroup: 96
cut_index: 47
cut_points: [-50,0,50]

Nx: 16
Ny: 16
Nz: 16
Mx: 94
My: 94
Mz: 94

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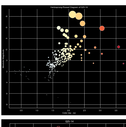

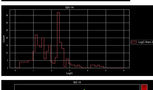

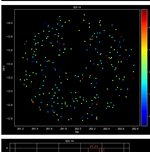

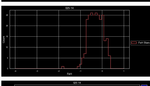

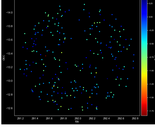

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ECT-00

Programmer: I'anquer "Eric"

main_separator: 12
hurwitz: 0
nb_points: 3
num_points: 400
nb_clusters: 3
cut_points = num_clusters: 420

Mx: 21
Ny: 21
Mz: 21
Nx: 19
Ny: 19
Nz: 19

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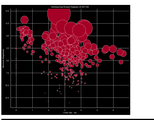

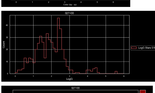

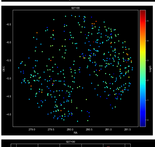

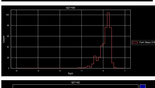

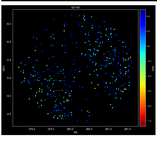

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ECT-01

Programmer: I'anquer "

main_separator: 20
hurwitz: 0
nb_points: 3
num_points: 400
nb_clusters: 00
cut_points = nb_clusters: 222

Mx: 5
Ny: 5
Mz: 20
Nx: 19
Ny: 19
Nz: 19

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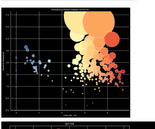

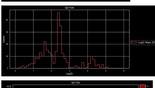

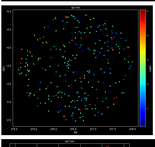

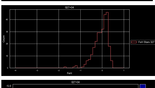

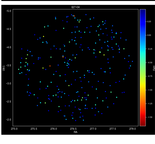

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ECT-02

Programmer: I'anquer "

main_separator: 22
hurwitz: 0
nb_points: 3
num_points: 423
nb_clusters: 3
cut_points = num_clusters: 300

Mx: 21
Ny: 21
Mz: 21
Nx: 20
Ny: 20
Nz: 20

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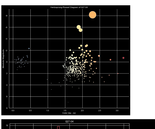

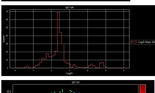

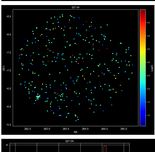

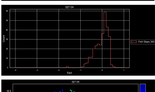

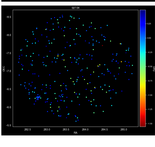

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ECT-17_MLN

Programmer: I'anquer "

main_separator: 124
hurwitz: 0
nb_points: 3
num_points: 90
nb_clusters: 3
cut_points = nb_clusters: 64

Mx: 6
Ny: 6
Mz: 17
Nx: 17
Ny: 17
Nz: 17

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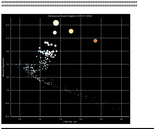

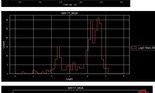

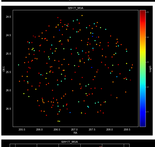

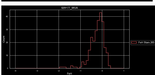

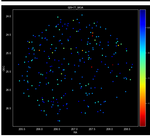

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ECH-HE_MLA

Programmes: ['mango']

main_sequence: 50
turnoff: 20
subgiants: 1
giants: 0.5
red_clump: 10
red_giants = red_clump: 40

Dec: 0
Ra: 0
Jdu: 0.5
Mag: 15
Ra: 0
Mu: 0
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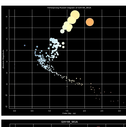

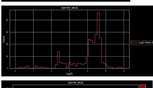

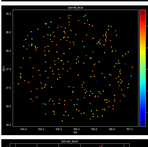

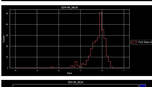

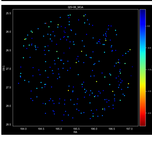


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ECH-LU-U

Programmes: ['Thickdwarfdwarfs_LTU']

main_sequence: 80
turnoff: 20
subgiants: 1
red_giants: 100
red_clump: 10
red_giants = red_clump: 120

Dec: 0
Ra: 0
Jdu: 0
Mag: 20
Ra: 0
Mu: 0
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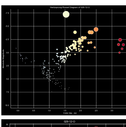

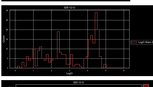

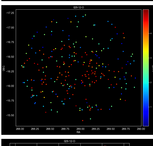

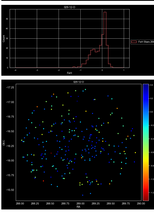

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ECH-HR

Programmes: ['apogee' 'apogee-ms'etc']

main_sequence: 20
turnoff: 10
subgiants: 1
red_giants: 500
red_clump: 100
red_giants = red_clump: 840

Dec: 20
Ra: 0
Jdu: 0.5
Mag: 17
Ra: 0
Mu: 0
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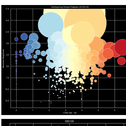

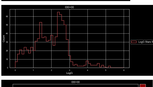

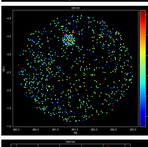

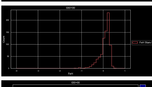

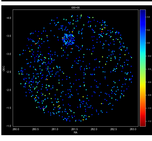


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ECH-HV

Programmes: ['apogee' 'apogee-ms'etc']

main_sequence: 20
turnoff: 10
subgiants: 1
giants: 0.5
red_clump: 100
red_giants = red_clump: 850

Dec: 20
Ra: 0
Jdu: 0.5
Mag: 17
Ra: 0
Mu: 0.5
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```
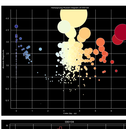
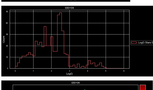
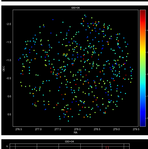
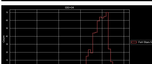
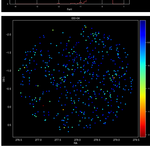
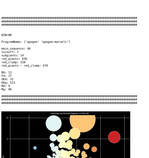











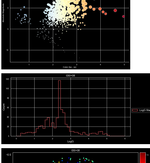


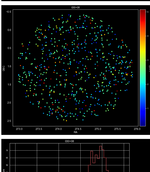
0:0:0:0

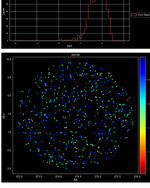
Programmers: ['apogee' 'apogee-mariella']

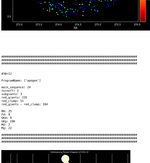
main_sequence: 40
binaries: 0
sub_giants: 0
red_giants: 636
red_clumps: 0
red_giants + red_clumps: 470

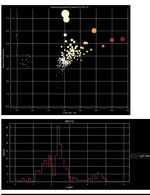
Dec: 12
Ra: 12
Mass: 12
Age: 12
Mv: 8
Mk: 8
Mv-Mk: 8









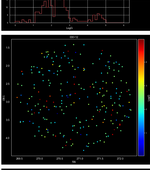


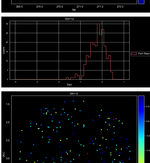
0:0:0:12

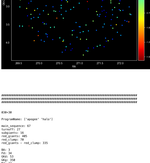
Programmers: ['apogee']

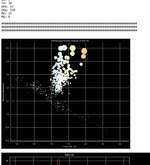
main_sequence: 39
binaries: 0
subgiants: 1
red_giants: 636
red_clumps: 0
red_giants + red_clumps: 594

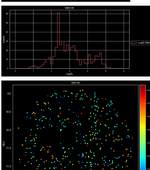
Dec: 8
Ra: 8
Mass: 8
Age: 8
Mv: 8
Mk: 8









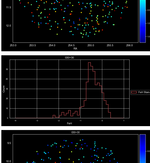


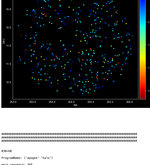
0:0:0:18

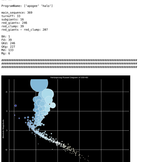
Programmers: ['apogee' 'hale']

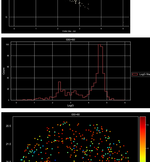
main_sequence: 47
binaries: 0
subgiants: 1
red_giants: 636
red_clumps: 0
red_giants + red_clumps: 535

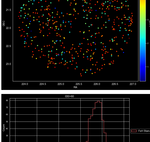
Dec: 8
Ra: 8
Mass: 8
Age: 8
Mv: 8
Mk: 8









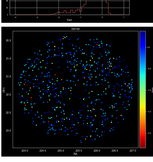


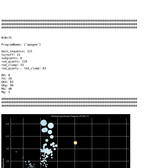
0:0:0:24

Programmers: ['apogee' 'hale']

main_sequence: 369
binaries: 0
subgiants: 0
red_giants: 636
red_clumps: 0
red_giants + red_clumps: 267

Dec: 8
Ra: 8
Mass: 8
Age: 8
Mv: 8
Mk: 8





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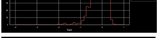

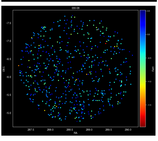

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ECM-12

Programmer: ['apogee']

main_separator: 20
turnoff: 0
subgenre: 0
num_genres: 200
num_genre: 0
num_genre = num_clump: 172

Mn: 0
Mx: 0
Qmin: 0
Qmax: 0.3
Mn: 0
Mx: 0
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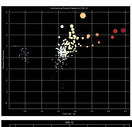
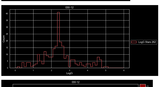
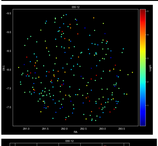
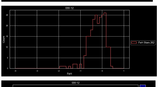
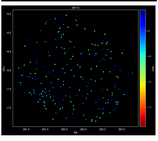
```









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ECM-12_MLA

Programmer: ['energy']

main_separator: 300
turnoff: 0
subgenre: 0
num_genres: 0
num_genre: 0
num_genre = num_clump: 31

Mn: 0
Mx: 0
Qmin: 0
Qmax: 0.7
Mn: 0
Mx: 0
==========================================================
==========================================================
```

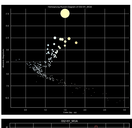

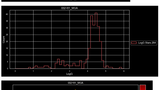

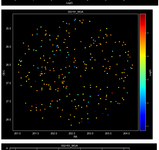

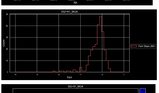

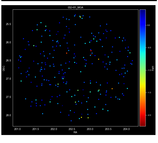


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ECM-1

Programmer: ['sec']

main_separator: 0
turnoff: 0
subgenre: 0
num_genres: 24
num_genre: 0
num_genre = num_clump: 224

Mn: 0
Mx: 0
Qmin: 0
Qmax: 0.3
Mn: 0
Mx: 0
==========================================================
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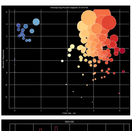
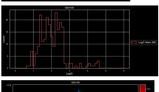
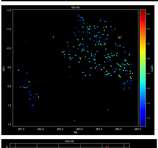
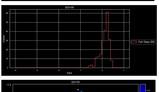
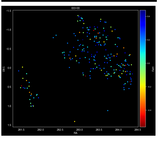
```









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ECM-10

Programmer: ['dicot']

main_separator: 30
turnoff: 0
subgenre: 0
num_genres: 627
num_genre: 0
num_genre = num_clump: 575

Mn: 0
Mx: 0
Qmin: 0
Qmax: 0.7
Mn: 0
Mx: 0
==========================================================
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```
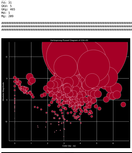
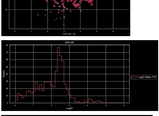
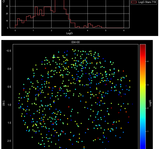
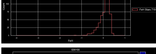
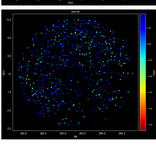









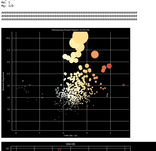


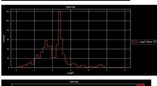
#24-00

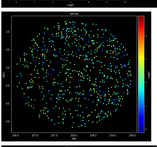
Programmer: ['Alex']

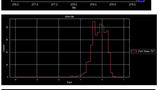
mass_separator: 18
isotopic: 0
subpoints: 0
rad_power: 50
rad_index: 10
rad_points = rad_time: 140

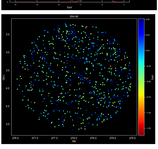
Na: 21
Ca: 0
Sr: 0
Ba: 50
Mg: 29
Ra: 50









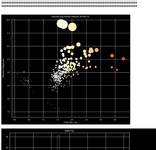


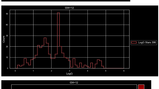
#24-01

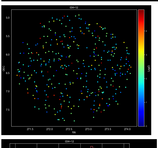
Programmer: ['Alex']

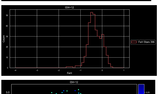
mass_separator: 25
isotopic: 0
subpoints: 0
rad_power: 50
rad_index: 10
rad_points = rad_time: 300

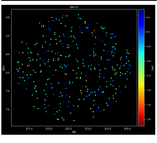
Na: 29
Ca: 0
Sr: 0
Ba: 29
Mg: 0
Ra: 0









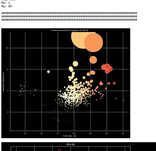


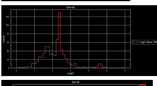
#24-06

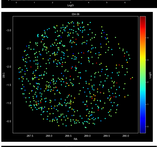
Programmer: ['Alex']

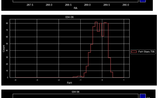
mass_separator: 26
isotopic: 0
subpoints: 0
rad_power: 0
rad_index: 100
rad_points = rad_time: 337

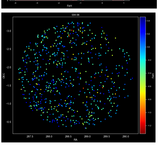
Na: 26
Ca: 0
Sr: 0
Ba: 0
Mg: 29
Ra: 0









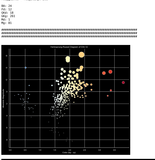


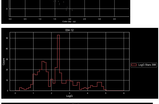
#24-12

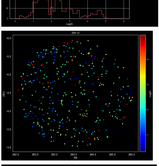
Programmer: ['Alex']

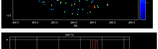
mass_separator: 33
isotopic: 0
subpoints: 0
rad_power: 0
rad_index: 50
rad_points = rad_time: 298

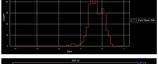
Na: 33
Ca: 0
Sr: 0
Ba: 33
Mg: 0
Ra: 0

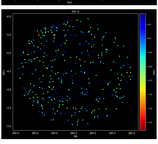












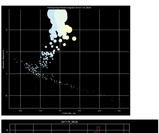
****
B3V5_MLA
****

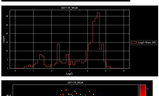
Programmes: ['mange']

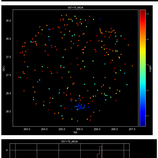
main_separator: 125
halo0F: 0
halo0M: 0
cut_gamma: 90
cut_mass: 0
cut_gamma - cut_clump: 42

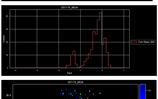
Nr: 0
Nb: 0
mbh: 0.0
Mgas: 0
Mg: 0
Ms: 0

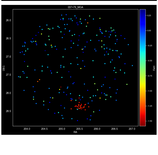
****











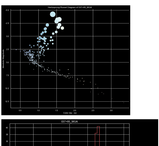
****
B3V6_MLA
****

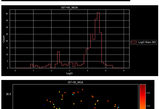
Programmes: ['mange']

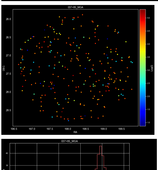
main_separator: 158
halo0F: 0
halo0M: 0
cut_gamma: 72
cut_mass: 0
cut_gamma - cut_clump: 44

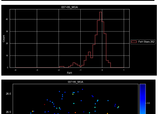
Nr: 0
Nb: 0
mbh: 0.0
Mgas: 0
Mg: 0
Ms: 0

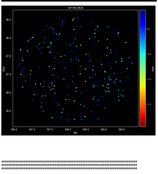
****











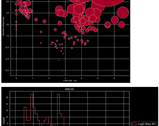
****
B3V8B
****

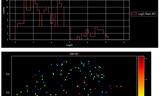
Programmes: ['opique']

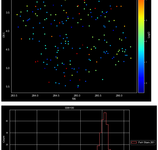
main_separator: 47
halo0F: 0
halo0M: 0
cut_gamma: 210
cut_mass: 0
cut_gamma - cut_clump: 213

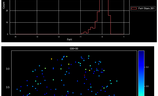
Nr: 0
Nb: 0
mbh: 0.0
Mgas: 0
Mg: 0
Ms: 0

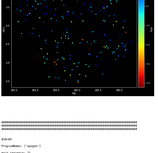
****











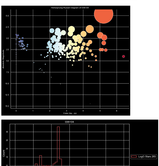
****
B3B4B
****

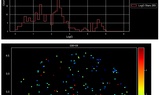
Programmes: ['opique']

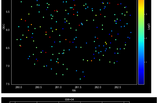
main_separator: 25
halo0F: 0
halo0M: 0
cut_gamma: 216
cut_mass: 0
cut_gamma - cut_clump: 197

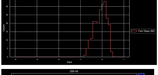
Nr: 0
Nb: 0
mbh: 0.0
Mgas: 0
Mg: 0
Ms: 0

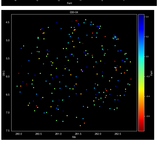
****



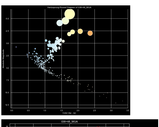


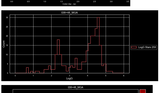


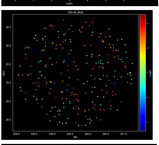


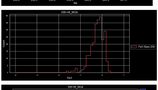


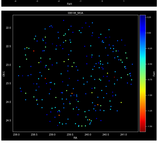
```
==========================================
EC0:HI_MLA
Programmes: ['merge']

main_separator: 120
nsplit: 4
subgroups: 32
nsubgroups: 8
red_clump: 10
red_points = red_clump: 75

Dec: 0
Vrot: 30
Sigv: 20
Age: 10
Mgal: 10
Mg: 0
==========================================
```



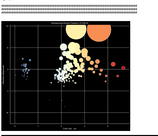


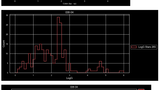


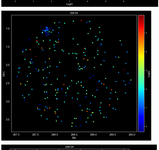


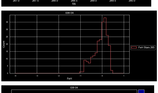


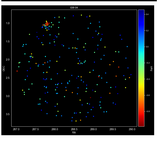
```
==========================================
EC0:HI
Programmes: ['merge']

main_separator: 10
nsplit: 4
subgroups: 256
nsubgroups: 256
red_clump: 10
red_points = red_clump: 194

Dec: 20
Vrot: 30
Sigv: 20
Age: 10
Mgal: 10
Mg: 0
==========================================
```



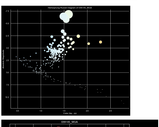


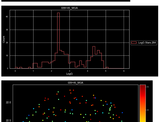


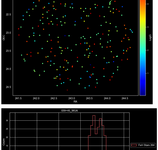


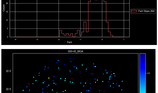


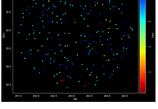
```
==========================================
EC0:HI_MLA
Programmes: ['merge']

main_separator: 80
nsplit: 4
subgroups: 8
nsubgroups: 8
red_clump: 10
red_points = red_clump: 123

Dec: 0
Vrot: 30
Sigv: 20
Age: 10
Mgal: 10
Mg: 0
==========================================
```



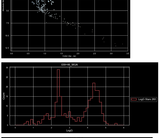


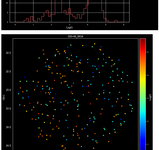


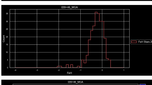


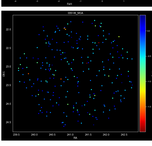


```
==========================================
EC0:HI_MLA
Programmes: ['merge']

main_separator: 30
nsplit: 4
subgroups: 16
nsubgroups: 16
red_clump: 10
red_points = red_clump: 94

Dec: 0
Vrot: 30
Sigv: 20
Age: 10
Mgal: 10
Mg: 0
==========================================
```









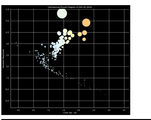
==========

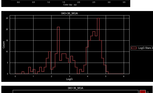
0-0-0-10_PLA

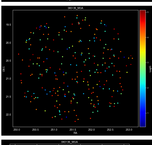
Programmer: ['Kenjo']
mass_separator: 57
mass_cut: 0.1
sub_parts: 10
real_parts: 10
real_clumps: 347

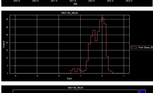
Ny: 0
Nx: 0
Nbin: 25
Nmax: 19
Ng: 1

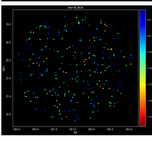
==========











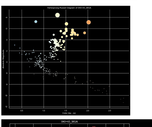
==========

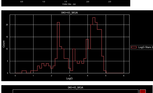
0-0-0-11_PLA

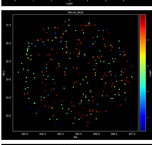
Programmer: ['Kenjo']
mass_separator: 182
mass_cut: 0.1
sub_parts: 11
real_parts: 11
real_clumps: 34

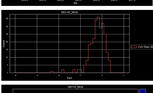
Ny: 0
Nx: 0
Nbin: 25
Nmax: 21
Ng: 1

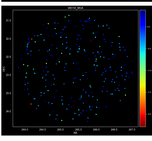
==========











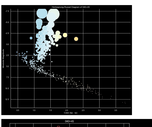
==========

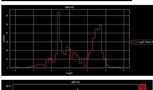
0-0-0-15

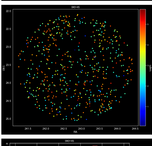
Programmer: ['Jacques' 'Yafa']
mass_separator: 171
mass_cut: 0.1
sub_parts: 15
real_parts: 314
real_clumps: 275

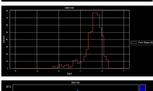
Ny: 0
Nx: 0
Nbin: 25
Nmax: 19
Ng: 1

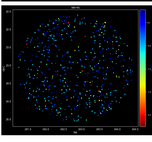
==========











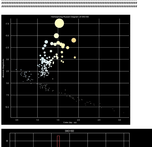
==========

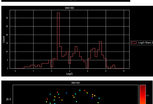
0-0-0-20

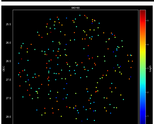
Programmer: ['Jacques']
mass_separator: 171
mass_cut: 0.1
sub_parts: 15
real_parts: 314
real_clumps: 120

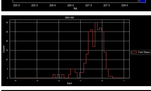
Ny: 0
Nx: 0
Nbin: 25
Nmax: 19
Ng: 1

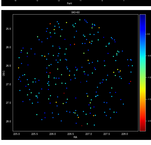
==========



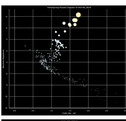


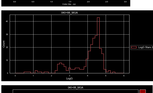


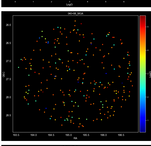


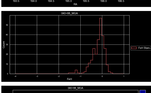


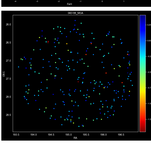
```
BH0.00_M10
Programmes: ['merge']

main_separator: 512
turnoff: 70
subgrain: 16
num_grains: 32
real_clumps: 51

Nx: 8
Ny: 8
Nz: 16
Nbg: 16
Nc: 8
Nu: 8
```



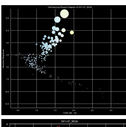


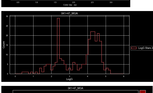


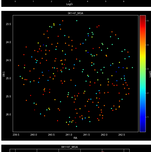


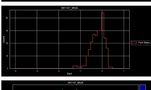


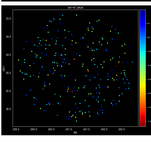
```
BH1.00_M10
Programmes: ['merge']

main_separator: 107
turnoff: 70
subgrain: 16
num_grains: 32
real_clumps: 51
real_pixels = real_clump: 70

Nx: 8
Ny: 8
Nbg: 256
Nc: 8
Nu: 8
```



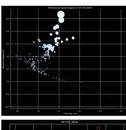


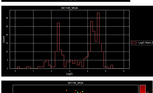


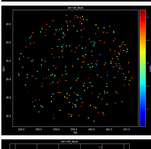


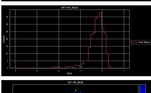


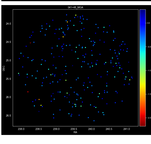
```
BH3.00_M10
Programmes: ['merge']

main_separator: 110
turnoff: 70
subgrain: 16
num_grains: 32
real_clumps: 50
real_pixels = real_clump: 77

Nx: 8
Ny: 8
Nbg: 512
Nc: 8
Nu: 8
```



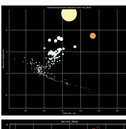


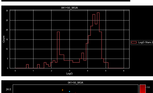


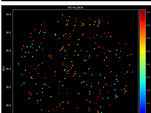


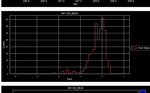


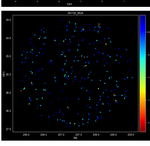
```
BH5.00_M10
Programmes: ['merge']

main_separator: 128
turnoff: 70
subgrain: 16
num_grains: 32
real_clumps: 42

Nx: 8
Ny: 8
Nbg: 32
Nc: 8
Nu: 8
```



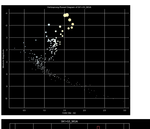


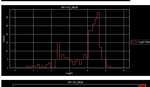


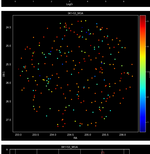


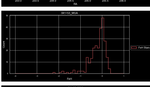


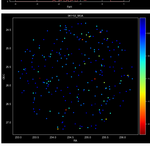
```
DM1-C01_PEAK

Programnames: ['merge']

mass_separator: 136
burnprf: 01
subsprefix: 01
rmd_points: 80
rmd_clump: 0
rmd_points - rmd_clump: 79

Dec: 0
Ra: 0
Mass: 0.4
Vmax: 0
Rvir: 0
Mp: 0
```



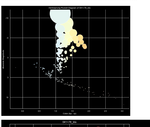


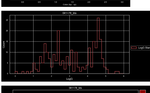


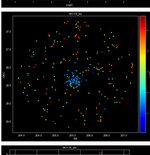


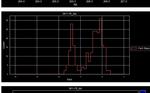


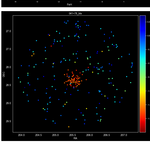
```
DM1-C0_Sub

Programnames: ['halo_bin']

mass_separator: 85
burnprf: 01
subsprefix: 0
rmd_points: 80
rmd_clump: 20
rmd_points - rmd_clump: 125

Dec: 0
Ra: 0
Mass: 0.4
Vmax: 0.04
Rvir: 0
Mp: 0
```



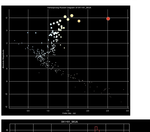


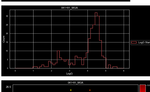


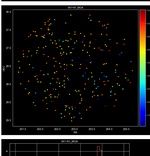


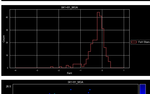


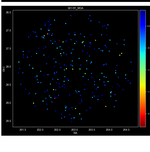
```
DM1-C01_PEAK

Programnames: ['merge']

mass_separator: 136
burnprf: 01
subsprefix: 01
rmd_points: 80
rmd_clump: 68

Dec: 0
Ra: 0
Mass: 0.4
Vmax: 0.03
Rvir: 0
Mp: 0
```



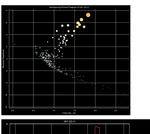


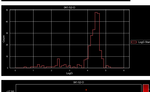


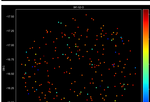


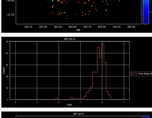


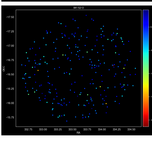
```
DM1-S2-0

Programnames: ['finishedSubsets_LIN']

mass_separator: 175
burnprf: 01
subsprefix: 0
rmd_points: 0
rmd_clump: 0
rmd_points - rmd_clump: 39

Dec: 0
Ra: 0
Mass: 0.2
Vmax: 0
Rvir: 0
Mp: 0
```



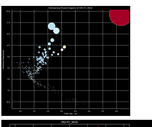


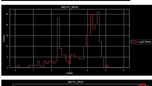


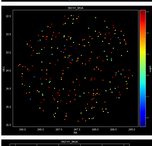


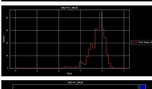


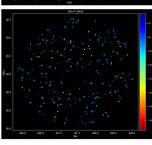
```
##################################################
##################################################

BH240_MLA

Programmer: ['George']

main_separator: 100
haloID: 0
subgroupID: 0
CMZ_points: 20
CMZ_radius: 0.5
CMZ_points - CMZ_flag: 76
Mp: 0
Mh: 0
Mbar: 0
Mdm: 0
Mgas: 0
Mg: 0
##################################################
##################################################
```



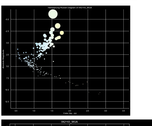


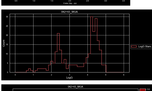


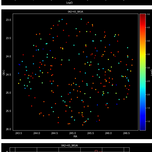


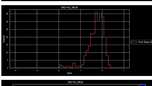


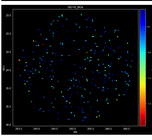
```
##################################################
##################################################

BH240_MLA

Programmer: ['George']

main_separator: 110
haloID: 0
subgroupID: 0
CMZ_points: 216
CMZ_radius: 0.5
CMZ_points - CMZ_flag: 89
Mp: 0
Mh: 0
Mbar: 0
Mdm: 0
Mgas: 0
Mg: 0
##################################################
##################################################
```



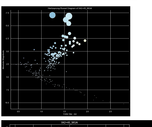


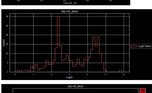


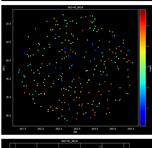


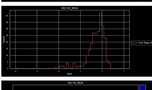


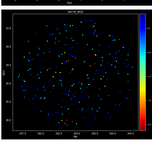
```
##################################################
##################################################

BH240_MLA

Programmer: ['George']

main_separator: 111
haloID: 0
subgroupID: 0
CMZ_points: 30
CMZ_radius: 0.5
CMZ_points - CMZ_flag: 113
Mp: 0
Mh: 0
Mbar: 0
Mdm: 0
Mgas: 0
Mg: 0
##################################################
##################################################
```



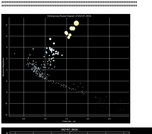


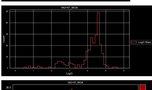


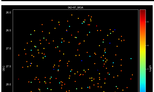


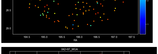


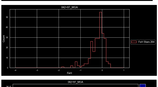
```
##################################################
##################################################

BH240_MLA

Programmer: ['George']

main_separator: 64
haloID: 0
subgroupID: 0
CMZ_points: 12
CMZ_radius: 0.5
CMZ_points - CMZ_flag: 64
Mp: 0
Mh: 0
Mbar: 0
Mdm: 0
Mgas: 0
Mg: 0
##################################################
##################################################
```

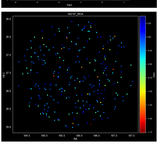




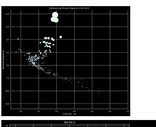


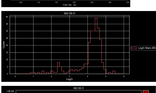


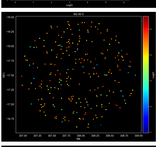


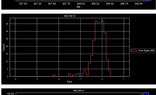


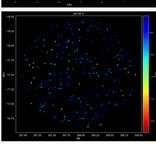
```
BIG-10
Programmes: ['ThinkerGarden_11h']
main_sequence: 108
subgiants: 0
subgiants_2: 0
red_giants: 12
red_giants_2: 0
red_giants - red_clump: 48

Nc: 8
Nh: 0
Ndh: 117
Nm: 0
Nu: 0
Nq: 0
```



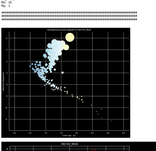


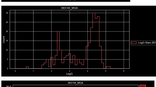


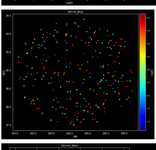


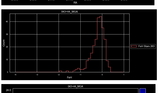


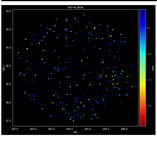
```
BIG-HD_MLA
Programmes: ['Kepler']

main_sequence: 110
subgiants: 0
subgiants_2: 0
red_giants: 20
red_giants - red_clump: 74

Nc: 8
Nh: 0
Ndh: 0
Nm: 0
Nu: 0
Nq: 0
```



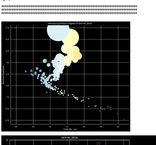


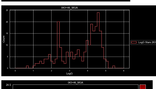


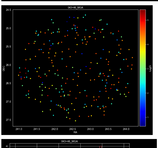


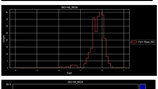


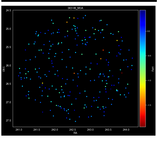
```
BIG-HD_MLA
Programmes: ['Kepler']

main_sequence: 106
subgiants: 0
subgiants_2: 0
red_giants: 14
red_giants - red_clump: 91

Nc: 8
Nh: 0
Ndh: 0
Nm: 0
Nu: 0
Nq: 0
```



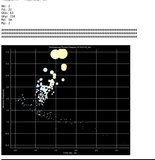


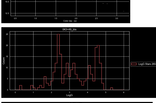


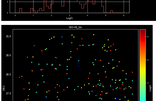


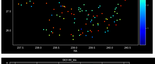


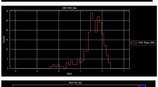
```
BIG-HD_Pto
Programmes: ['Tacis_Ptc']

main_sequence: 95
subgiants: 0
subgiants_2: 0
red_giants: 6
red_giants - red_clump: 137

Nc: 8
Nh: 0
Ndh: 0
Nm: 0
Nu: 0
Nq: 0
```

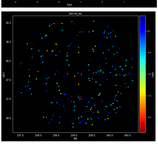








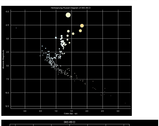


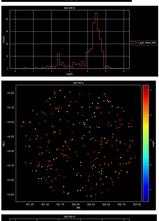


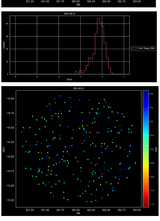
BAT-00-0

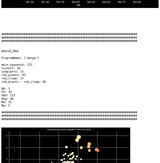
Dispersmeans: ['histoOverSearch_1TV']

```
main_separator: 62
tscrunf: 16
subpsrmin: 10
subpsrmax: 20
ref_points: 30
rnd_points = rnd_clump: 43

Mo: 0
Ma: 0
Ms: 0.5
Mdy: 0.5
Mdm: 0
Mw: 0
```





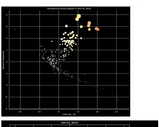


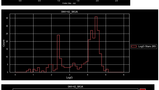


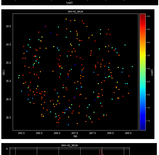
BAT01_PLA

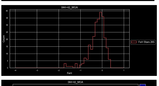
Dispersmeans: ['energy']

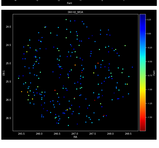
```
main_separator: 115
tscrunf: 36
subpsrmin: 10
subpsrmax: 30
ref_points: 50
rnd_points = rnd_clump: 66

Mo: 0
Ma: 0
Ms: 0.5
Mdy: 0.5
Mdm: 0
Mw: 0
```







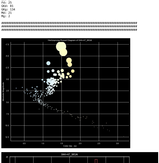


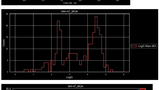


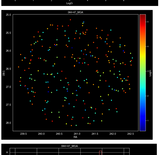
BAT01_PLA

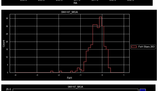
Dispersmeans: ['energy']

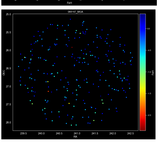
```
main_separator: 181
tscrunf: 16
subpsrmin: 10
subpsrmax: 20
ref_points: 30
rnd_points = rnd_clump: 52

Mo: 0
Ma: 0
Ms: 0.5
Mdy: 0.5
Mdm: 0
Mw: 0
```







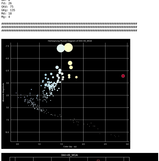


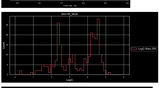


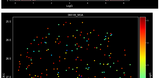
BAT01_PLA

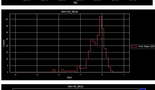
Dispersmeans: ['energy']

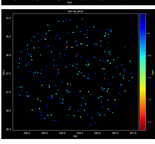
```
main_separator: 180
tscrunf: 1
subpsrmin: 10
subpsrmax: 30
ref_points: 50
rnd_points = rnd_clump: 52

Mo: 0
Ma: 0
Ms: 0.5
Mdy: 0.5
Mdm: 0
Mw: 0
```



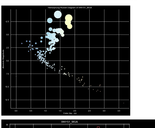


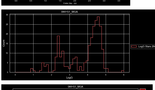


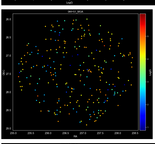


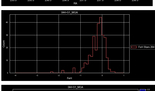


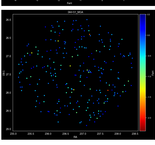

```
##################################################
##################################################

BAYES_MCA

Programmer: ['George']

main_sequence: 100
turnoff: 50
subgiants: 30
red_giants: 20
red_giants - red_clump: 15

Mon 0
Jan: 0
Feb: 0
Mar: 0
Apr: 0
May: 0
Jun: 0
Jul: 0
Aug: 0
Sep: 0
Oct: 0
Nov: 0
Dec: 0
##################################################
```



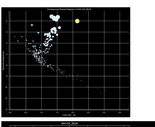


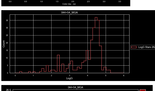


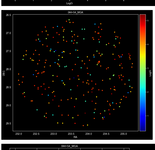


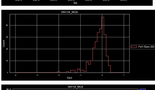


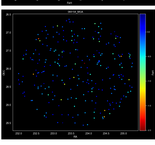

```
##################################################
##################################################

BAYES_MCA

Programmer: ['George']

main_sequence: 100
turnoff: 50
subgiants: 30
red_giants: 20
red_giants - red_clump: 50

Mon 0
Jan: 0
Feb: 0
Mar: 0
Apr: 0
May: 0
Jun: 0
Jul: 0
Aug: 0
Sep: 0
Oct: 0
Nov: 0
Dec: 0
##################################################
```



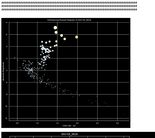


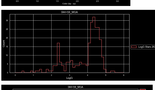


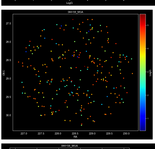


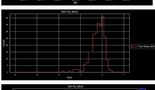


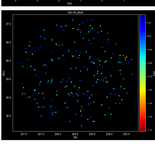

```
##################################################
##################################################

BAYES_MCA

Programmer: ['George']

main_sequence: 100
turnoff: 50
subgiants: 30
red_giants: 40
red_giants - red_clump: 43

Mon 0
Jan: 0
Feb: 0
Mar: 0
Apr: 0
May: 0
Jun: 0
Jul: 0
Aug: 0
Sep: 0
Oct: 0
Nov: 0
Dec: 0
##################################################
```









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##################################################
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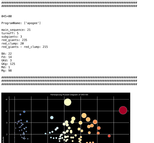
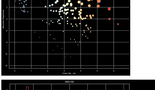
BAYES

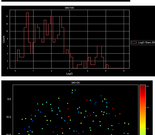
Programmer: ['George']

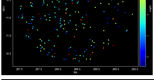
main_sequence: 25
turnoff: 5
subgiants: 5
red_giants: 20
red_giants - red_clump: 215

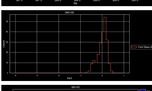
Mon 0
Jan: 0
Feb: 0
Mar: 0
Apr: 0
May: 0
Jun: 0
Jul: 0
Aug: 0
Sep: 0
Oct: 0
Nov: 0
Dec: 0
##################################################
```

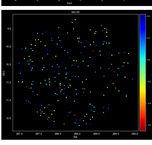












```
##################################################
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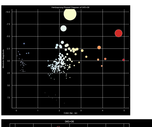
BOX1B0

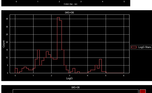
Programmer: I'aspar'l

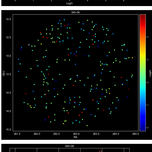
main_separator: 23
ncut: 0.01
subpoints: 0
rad_points: 278
rad_cuts: 0.01
rad_points - rad_cuts: 177

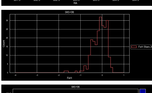
Dec: 0
Ra: 0
dec: 0
dec: 60
Ra: 0
Ra: 60

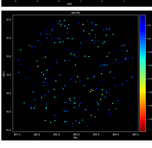
##################################################
##################################################
```











```
##################################################
##################################################

BOX1C2

Programmer: I'aspar'l

main_separator: 24
ncut: 0.01
subpoints: 278
rad_points: 278
rad_points - rad_cuts: 594

Dec: 0
Ra: 0
dec: 0
dec: 60
Ra: 0
Ra: 60

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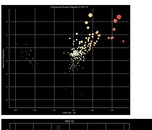
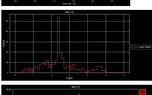
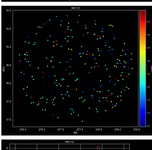
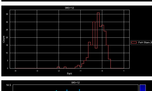
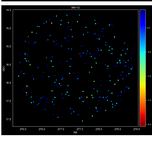
```











```
##################################################
##################################################

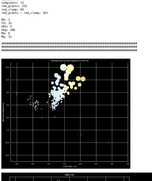
BOX1B0

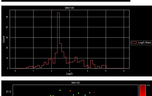
Programmer: I'aspar'l

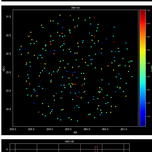
main_separator: 0
ncut: 0.01
subpoints: 12
rad_points: 278
rad_cuts: 0.01
rad_points - rad_cuts: 501

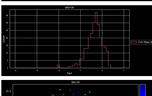
Dec: 0
Ra: 0
dec: 0
dec: 60
Ra: 0
Ra: 60

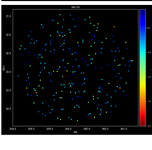
##################################################
##################################################
```











```
##################################################
##################################################

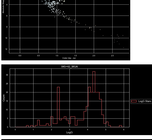
BOX1B0_BKA

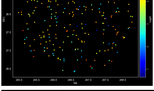
Programmer: I'aspar'l

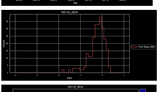
main_separator: 177
ncut: 0.01
subpoints: 0
rad_points: 11
rad_cuts: 0.01
rad_points - rad_cuts: 88

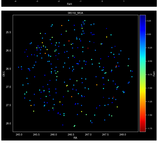
Dec: 0
Ra: 0
dec: 0
dec: 60
Ra: 0
Ra: 60

##################################################
##################################################
```







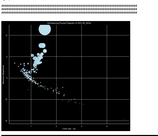


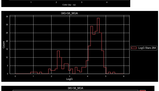
```
BH3-HR_MLA

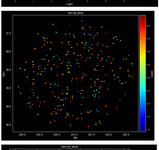
Group members: ['merger']

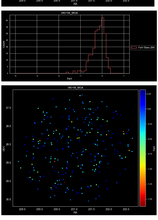
main_progenitor: 12.0
haloid: 0
subhaloid: 0
red_quality: 0
red_points: 20
red_quality + red_flag: 21

Mx: 0
My: 0
Mz: 12
Vx: 0
Vy: 0
Vz: 0
```







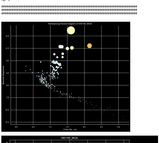


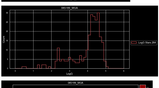
```
BH3-HR_MLA

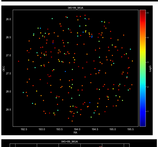
Group members: ['merger']

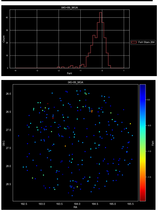
main_progenitor: 128
haloid: 0
subhaloid: 0
red_quality: 0
red_points: 18
red_quality + red_flag: 18

Mx: 0
My: 0
Mz: 127
Vx: 0
Vy: 0
Vz: 0
```







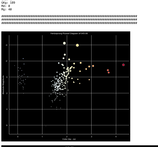


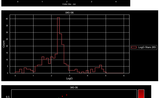
```
BH3-HR

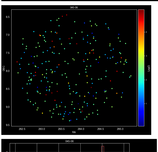
Group members: ['merger']

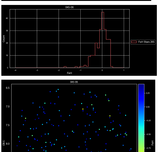
main_progenitor: 21
haloid: 0
subhaloid: 0
red_quality: 0
red_points: 170
red_quality + red_flag: 170

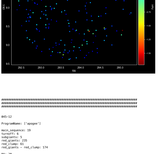
Mx: 20
My: 0
Mz: 0
Vx: -0.19
Vy: 0
Vz: 0
```









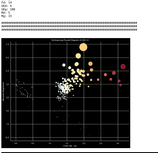


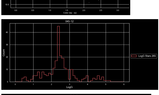
```
BH3-LZ

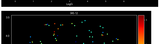
Group members: ['merger']

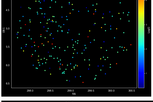
main_progenitor: 38
haloid: 0
subhaloid: 0
red_quality: 0
red_points: 41
red_quality + red_flag: 174

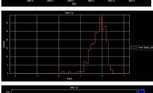
Mx: 38
My: 0
Mz: 0
Vx: 0.58
Vy: 0
Vz: 0
```

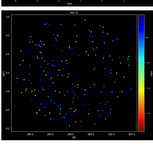












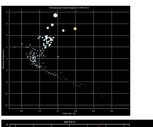
```
================================================================
================================================================

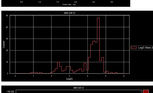
BH0.50.0

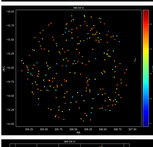
Programmer: ['hosokawkaori_LTV']

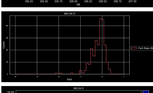
main_sequence: 313
turnoff: 17
tagging: 0.0
red_giants: 31
rot_giants: 0.0
rot_points = rot_clump: 42

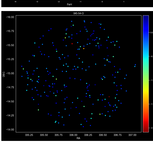
Bn: 0
Bh: 0
Bhg: 13
Bhs: 0
Bg: 0
================================================================
================================================================
```











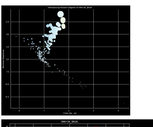
```
================================================================
================================================================

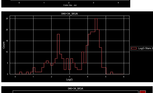
BH0.50_MLR

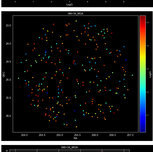
Programmer: ['hanpr']

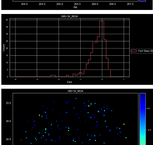
main_sequence: 31
turnoff: 0
tagging: 0.0
red_giants: 114
rot_giants: 0.0
rot_points = rot_clump: 91

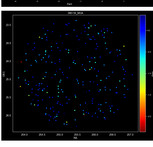
Bn: 0
Bh: 0
Bhg: 104
Bhs: 0
Bg: 0
================================================================
================================================================
```











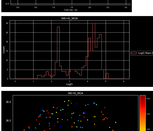
```
================================================================
================================================================

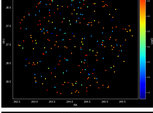
BH0.50_MLR

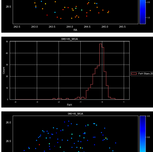
Programmer: ['hanpr']

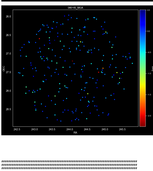
main_sequence: 113
turnoff: 0
tagging: 0.0
red_giants: 31
rot_giants: 0.0
rot_points = rot_clump: 60

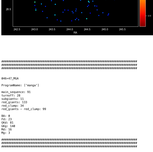
Bn: 0
Bh: 0
Bhg: 84
Bhs: 0
Bg: 0
================================================================
================================================================
```











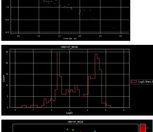
```
================================================================
================================================================

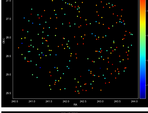
BH0.67_MLR

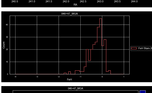
Programmer: ['hanpr']

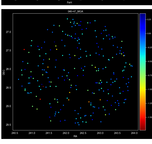
main_sequence: 91
turnoff: 0
tagging: 0.0
red_giants: 113
rot_giants: 0.0
rot_points = rot_clump: 99

Bn: 0
Bh: 0
Bhg: 84
Bhs: 0
Bg: 0
================================================================
================================================================
```









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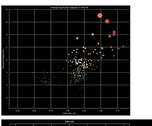
B40-08

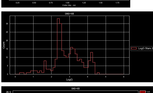
Programkamn: ['Lapsuger']

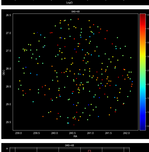
mcn_separator: 67
hcn_prefix: 31
subgenotic: 35
hcn_length: 14
rna2_genotype: 64
rna2_clamp: 500

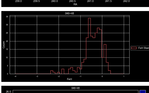
Dec: 0
Jan: 0
Mar: 0
Apr: 0.5
May: 0.5
Nov: 0

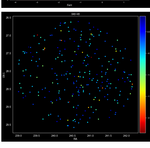
****











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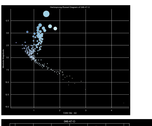
B40-07-4

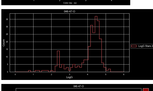
Programkamn: ['Tkinterbetaderk_ilfv']

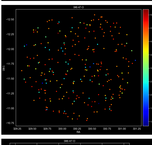
mcn_separator: 255
hcn_prefix: 31
subgenotic: 35
hcn_length: 14
rna2_genotype: 64
rna2_clamp: 47

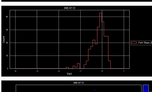
Dec: 0
Jan: 0
Mar: 0
Apr: 0.5
May: 0.5
Nov: 0

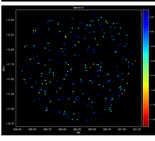
****











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B40-08-8

Programkamn: ['Tkinterbetaderk_ilfv']

mcn_separator: 653
hcn_prefix: 28
subgenotic: 35
hcn_length: 14
rna2_genotype: 64
rna2_clamp: 45

Dec: 0
Jan: 0
Mar: 150
Apr: 0.5
May: 0.5
Nov: 0

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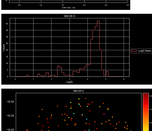

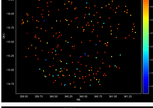

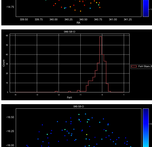

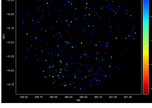

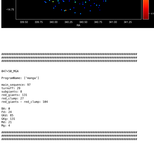

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B47GE_MUA

Programkamn: ['Kamger']

mcn_separator: 67
hcn_prefix: 31
subgenotic: 0
hcn_length: 14
rna2_genotype: 0
rna2_clamp: 500

Dec: 0
Jan: 0
Mar: 0.5
Apr: 0.5
May: 0.5
Nov: 0

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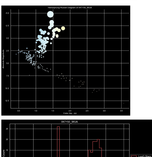

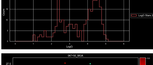

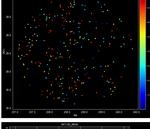

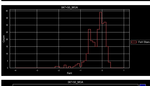

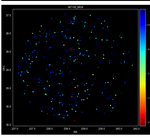

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BH10_MLA

Programmer: ['Gengo']

main_sequence: 120
turnoff: 30
subgiants: 0
red_giants: 30
red_clump: 0
red_points = red_clump: 59

Dec: 0
Ra: 0
Mag: 23
Age: 10
Met: -2
Mass: 1
==================================================
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```

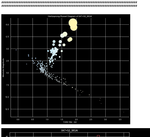

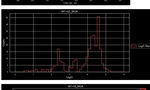

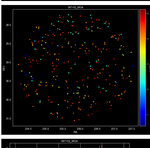

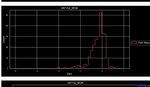

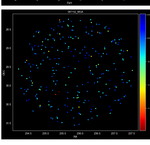

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BH10_MLA

Programmer: ['Gengo']

main_sequence: 87
turnoff: 0
subgiants: 0
red_giants: 87
red_clump: 0
red_points = red_clump: 173

Dec: 0
Ra: 0
Mag: 23
Age: 10
Met: -2
Mass: 1
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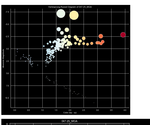

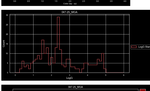

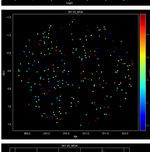

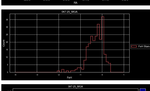

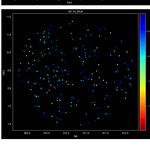

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BH10-10-0

Programmer: ['ultraNerdy_Civ']

main_sequence: 165
turnoff: 0
subgiants: 0
red_giants: 0
red_clump: 0
red_points = red_clump: 42

Dec: 0
Ra: 0
Mag: 23
Age: 10
Met: -2
Mass: 1
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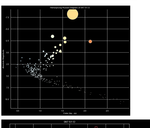

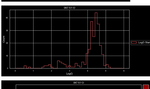

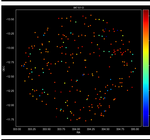

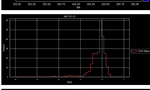

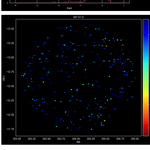

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BH10_MLA

Programmer: ['Gengo']

main_sequence: 180
turnoff: 30
subgiants: 0
red_giants: 30
red_clump: 0
red_points = red_clump: 92

Dec: 0
Ra: 0
Mag: 23
Age: 10
Met: -2
Mass: 1
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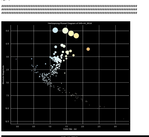

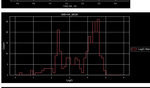

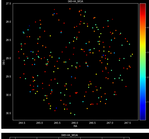

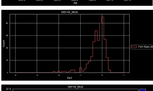

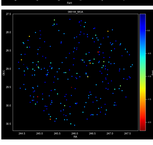


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BHB-03_MLA

Program&Name: ['energy']

main_sequence: 100
ratio: 0.01
subgiants: 0
subgiants_ratio: 0
red_giants: 0
red_giants - red_clump: 40

Mv: 6
Teff: 5K
Mbp: 12.2
Mbr: 12
Mg: 2

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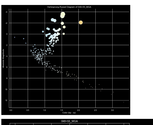

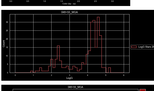

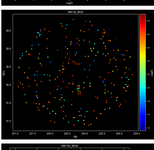

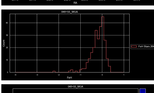

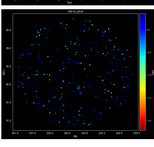


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BHB-07_MLA

Program&Name: ['energy']

main_sequence: 100
ratio: 0.01
subgiants: 0
subgiants_ratio: 0
red_giants: 54
red_giants - red_clump: 54

Mv: 6
Teff: 5K
Mbp: 12.2
Mbr: 12
Mg: 2

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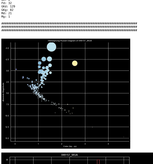

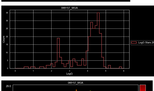

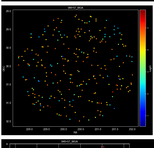

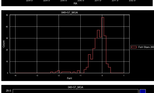

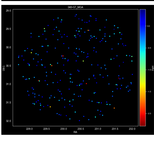


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BHB-08_MLA

Program&Name: ['energy']

main_sequence: 152
ratio: 0.01
subgiants: 0
subgiants_ratio: 0
red_giants: 54
red_giants - red_clump: 52

Mv: 6
Teff: 5K
Mbp: 12.2
Mbr: 12
Mg: 2

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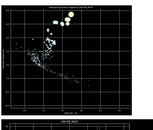

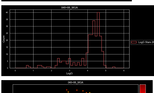

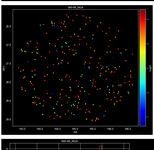

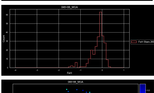

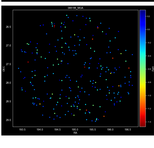


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BHB-27_MLA

Program&Name: ['energy']

main_sequence: 100
ratio: 0.01
subgiants: 31
subgiants_ratio: 31
red_giants: 47
red_giants - red_clump: 136

Mv: 6
Teff: 5K
Mbp: 12.2
Mbr: 12.2
Mg: 2
Mg: 2

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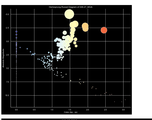

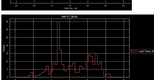

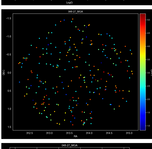

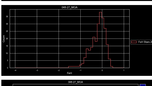

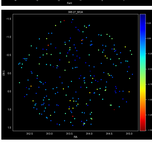

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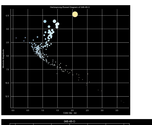
0:01:00.0

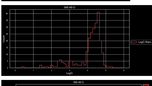
Propagation: ['collisionless_ICs']

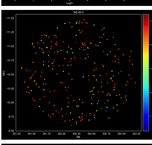
main_sequence: 148
turnoff: 28
subgiants: 0
red_giants: 12
rr_lyrae: 0
red_giants + red_clump: 46

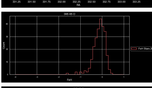
MV: 0
Vt: 0
Mdyn: 139
Mgas: 0
Mp: 0

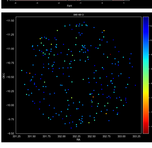
****











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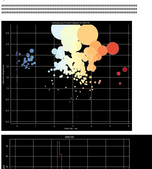
0:04:00

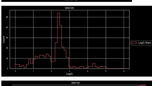
Propagation: ['dynamic']

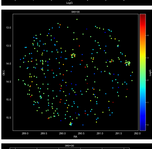
main_sequence: 148
turnoff: 28
subgiants: 0
red_giants: 12
rr_lyrae: 0
red_giants + red_clump: 273

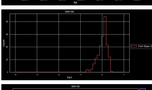
MV: 0
Vt: 0
Mdyn: 139
Mgas: 0
Mp: 0

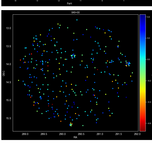
****











****

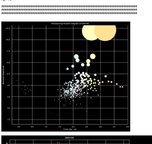
0:01:00.0

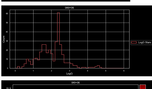
Propagation: ['dynamic']

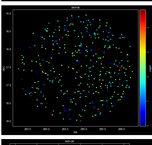
main_sequence: 0
turnoff: 0
subgiants: 0
red_giants: 0
rr_lyrae: 0
red_giants + red_clump: 296

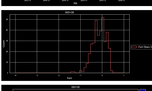
MV: 28
Vt: 0
Mdyn: 0
Mgas: 139
Mp: 0

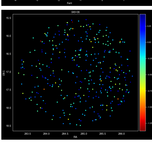
****











****

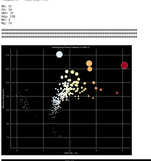
0:01:1

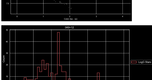
Propagation: ['dynamic']

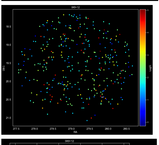
main_sequence: 10
turnoff: 0
subgiants: 0
red_giants: 278
rr_lyrae: 0
red_giants + red_clump: 278

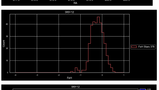
MV: 0
Vt: 0
Mdyn: 0
Mgas: 139
Mp: 0

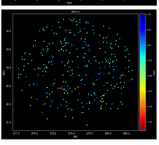
****











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##################################################
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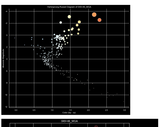
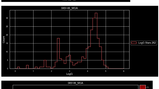
BHR+05_PLA

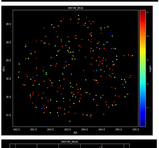
Programmes: ['merge']

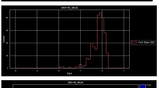
main_separator: 128
halo(FF): 11
subgrain: 32
min_grain: 64
rad_frac: 0.5
rad_grain = rad_clump: 74

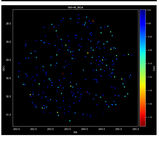
Ms: 2
Mh: 100
Mgas: 0.8
Mstg: 20
Mcl: 0
Mp: 0
##################################################
##################################################
```











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BHR+07_PLA

Programmes: ['merge']

main_separator: 190
halo(FF): 11
subgrain: 32
min_grain: 64
rad_frac: 0.5
rad_grain = rad_clump: 84

Ms: 2
Mh: 100
Mgas: 0.8
Mstg: 20
Mcl: 0
Mp: 0
##################################################
##################################################
```

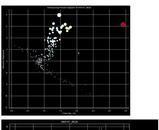

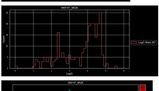

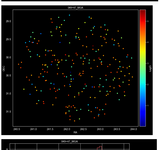

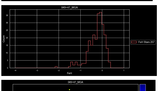

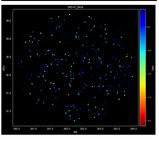

```
##################################################
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BHR+08_PLA

Programmes: ['merge']

main_separator: 128
halo(FF): 11
subgrain: 64
min_grain: 64
rad_frac: 0.5
rad_grain = rad_clump: 84

Ms: 1
Mh: 100
Mgas: 0.8
Mstg: 20
Mcl: 0
Mp: 0
##################################################
##################################################
```
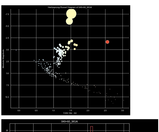
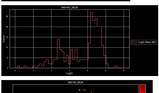
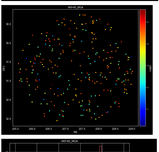
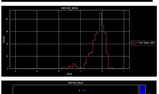
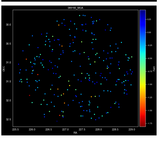



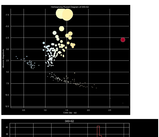


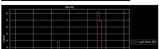


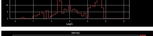


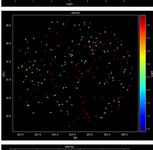


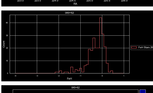
```
##################################################
##################################################

BRH+02

Programmes: ['merge']

main_separator: 190
halo(FF): 11
subgrain: 8
min_grain: 64
rad_frac: 0.5
rad_grain = rad_clump: 105

Ms: 2
Mh: 10
Mgas: 0.8
Mstg: 20
Mcl: 0
Mp: 0
##################################################
##################################################
```

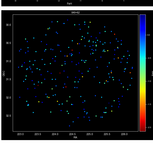












****

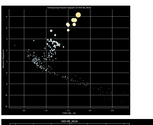
B00-08_MLA

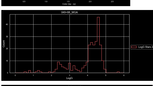
Programmer: ['Wang']

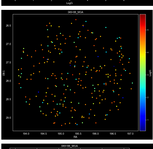
main_sequence: 147
turnoff: 19
subgiants: 0
red_giants: 94
red_clump: 34
red_giants - red_clump: 53

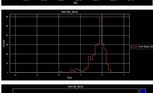
Ms: 1
Age: 9
Mhe: 129
Mzs: 0
Mz: 10
Yz: 0

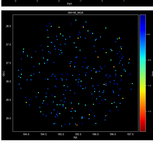
****











****

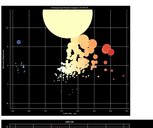
B00-09

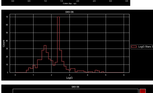
Programmer: ['Alvin']

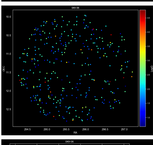
main_sequence: 0
turnoff: 0
subgiants: 0
red_giants: 0
red_clump: 0
red_giants - red_clump: 270

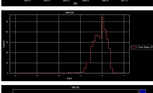
Ms: 10
Age: 9
Mhe: 0
Mzs: 0
Mz: 0
Yz: 0

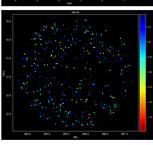
****











****

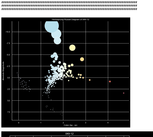
B00-10

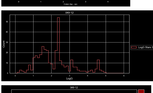
Programmer: ['Alvin']

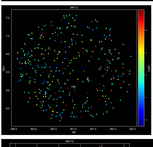
main_sequence: 0
turnoff: 0
subgiants: 0
red_giants: 0
red_clump: 0
red_giants - red_clump: 390

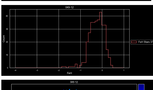
Ms: 10
Age: 9
Mhe: 0
Mzs: 290
Mz: 0
Yz: 0

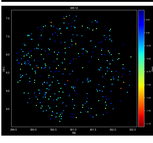
****











****

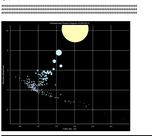
B00-12

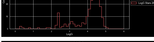
Programmer: ['Yuchen Guo']

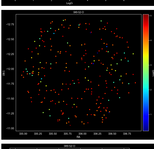
main_sequence: 153
turnoff: 19
subgiants: 0
red_giants: 81
red_clump: 29
red_giants - red_clump: 52

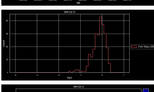
Ms: 0
Age: 9
Mhe: 129
Mzs: 0
Mz: 0
Yz: 0

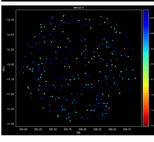
****











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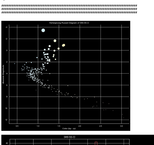
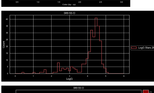
BOM-IS-0

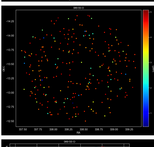
Programmer: ['cirtrus7ean_CTV']

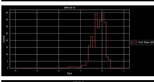
main_separator: 101
subgroup: 0
subgroupnr: 0
num_points: 8
red_times: 0
red_points: red_time: A1

Min: 0
Max: 0
Mag: 0.0
Min: 0
Max: 0
==========================================================
==========================================================
```









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BOM-IS_MLA

Programmer: ['mango']

main_separator: 100
subgroup: 0
subgroupnr: 0
num_points: 20
red_times: 0
red_points: red_time: 101

Min: 0
Max: 0
Mag: 0.0
Min: 0
Max: 0
==========================================================
==========================================================
```

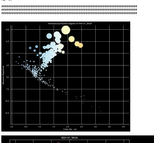

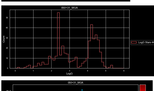

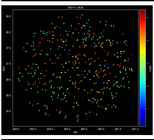

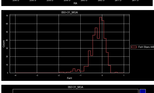

```
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BOM-HS_MLA

Programmer: ['mango']

main_separator: 125
subgroup: 0
subgroupnr: 0
num_points: 30
red_times: 0
red_points: red_time: 68

Min: 0
Max: 0
Mag: 0.0
Min: 0
Max: 0
==========================================================
==========================================================
```

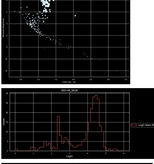

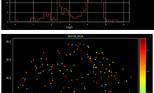

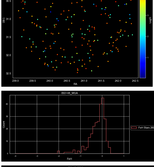

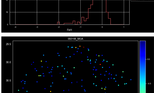

```
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BOM-HS

Programmer: ['sprayer']

main_separator: 87
subgroup: 0
subgroupnr: 1
num_points: 20
red_times: 0
red_points: red_time: 125

Min: 0
Max: 0
Mag: 0.0
Min: 0
Max: 0
==========================================================
==========================================================
```

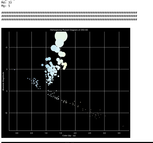

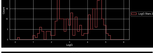

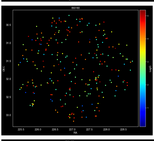

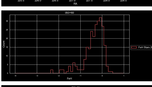

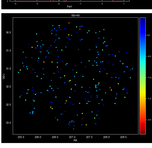


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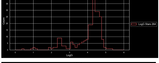
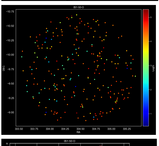
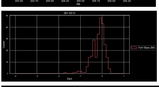
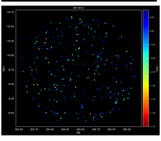
#################################################
#################################################

#0040_0_0_0
```







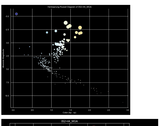


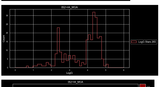
```
#EC=40_PLA

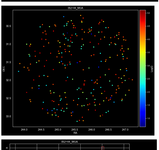
Programmer: ['Kemper']

main_separator: 117
hcl=0.71: 14
subgroup=1: 0
rot_period: 20
rot_phase: 0.0
rot_phase = rot_t/rot: 11

Dec: 0
Ecl: 0.0
Ecl: 0.0
Mag: 12.2
Mag: 12.2
Mag: 0
Mag: 0
```





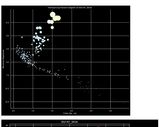


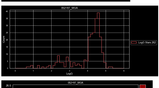
```
#EC=47_PLA

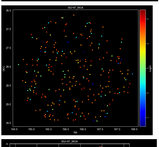
Programmer: ['Kemper']

main_separator: 139
hcl=0.71: 14
subgroup=1: 0
rot_period: 20
rot_phase: 0.0
rot_phase = rot_t/rot: 11

Dec: 0
Ecl: 0.0
Ecl: 0.0
Mag: 12.8
Mag: 12.8
Mag: 0
Mag: 0
```





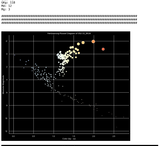


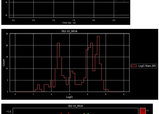
```
#EC=32_PLA

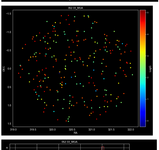
Programmer: ['Kemper']

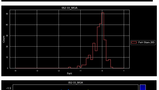
main_separator: 96
hcl=0.71: 14
subgroup=1: 0
rot_period: 20
rot_phase: 0.0
rot_phase = rot_t/rot: 90

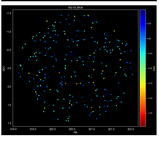
Dec: 0
Ecl: 0.0
Ecl: 0.0
Mag: 12.9
Mag: 12.9
Mag: 0
Mag: 0
```









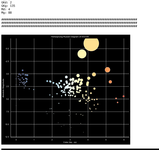


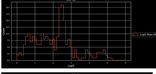
```
#EC=48

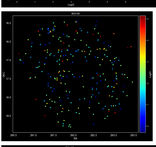
Programmer: ['Kemper']

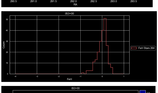
main_separator: 19
hcl=0.71: 14
subgroup=1: 0
rot_period: 20
rot_phase: 0.0
rot_phase = rot_t/rot: 282

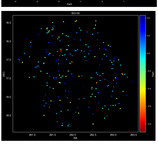
Dec: 22
Ecl: 0
Ecl: 0
Mag: 13.3
Mag: 0
Mag: 0
```












```
****************************************
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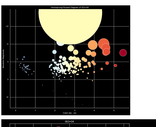
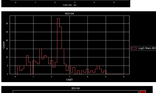
BIG100

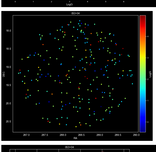
Programmer: ['ianpar']

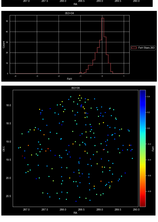
main_sequence: 17
turnoff: 18
subgalaxy: 1
num_galaxy: 238
Mp: 10
num_clump: 505

Mp: 10
Mh: 10
Mbh: 10
Mbh_SM: 10
Mg: 1
Mc: 1
****************************************
****************************************
```





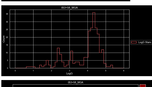


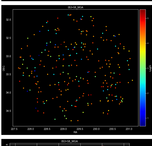


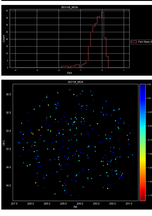

```
****************************************
****************************************
BIG100_MUA

Programmer: ['ianpar']

main_sequence: 100
turnoff: 18
subgalaxy: 1
num_galaxy: 238
num_clump: 10,1,1,1
```







```
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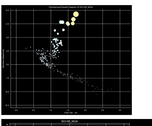
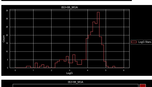
ID:0.00_MLA

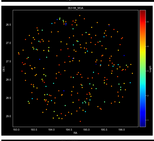
Program:mkmec [-hmrqv:]

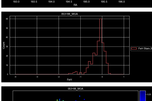
mers_separator: 144
mers_mode: 1
subgalaxy: 0
subgalaxy_id: 0
rad_quantc: 0
rad_clumpc: -rad_clump: 50

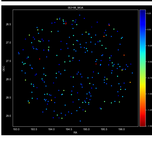
Mon 0
Day: 0
Year: 19
Min: 0
Sec: 0
Mag: 0
==================================================
==================================================
```











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ID:0.00

Program:mkmec [-hmrqv:]

mers_separator: 25
mers_mode: 1
subgalaxy: 0
rad_quantc: 170
subgalaxy_id: 0
rad_clumpc: -rad_clump: 170

Mon 10
Day: 10
Year: 19
Min: 10
Sec: 10
Mag: 10
==================================================
==================================================
```

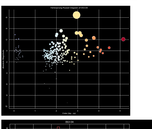

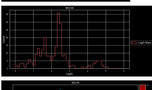

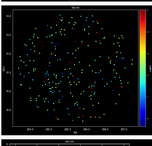

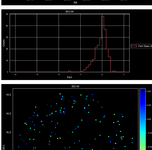

```
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ID:147_MLA

Program:mkmec [-hmrqv:]

mers_separator: 63
subgalaxy: 0
rad_quantc: 0
subgalaxy_id: 0
rad_clumpc: -rad_clump: 57

Mon 0
Day: 0
Year: 19
Min: 0
Sec: 0
Mag: 0
==================================================
==================================================
```

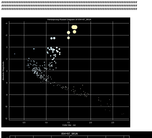

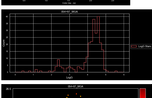

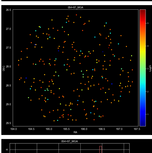

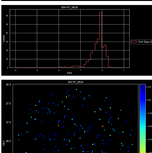

```
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ID:0.25_MLA

Program:mkmec [-hmrqv:]

mers_separator: 100
mers_mode: 1
subgalaxy: 12
subgalaxy_id: 12
rad_quantc: 37
rad_clumpc: -rad_clump: 147

Mon 0
Day: 0
Year: 19
Min: 100
Sec: 100
Mag: 0
==================================================
==================================================
```
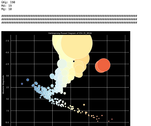
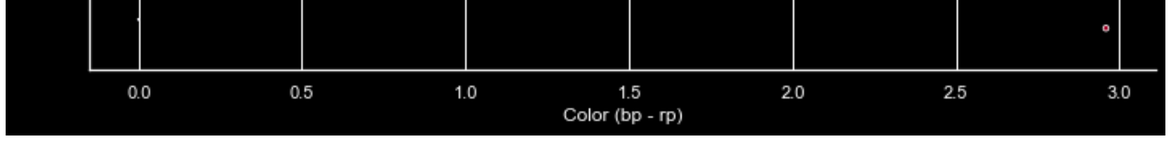
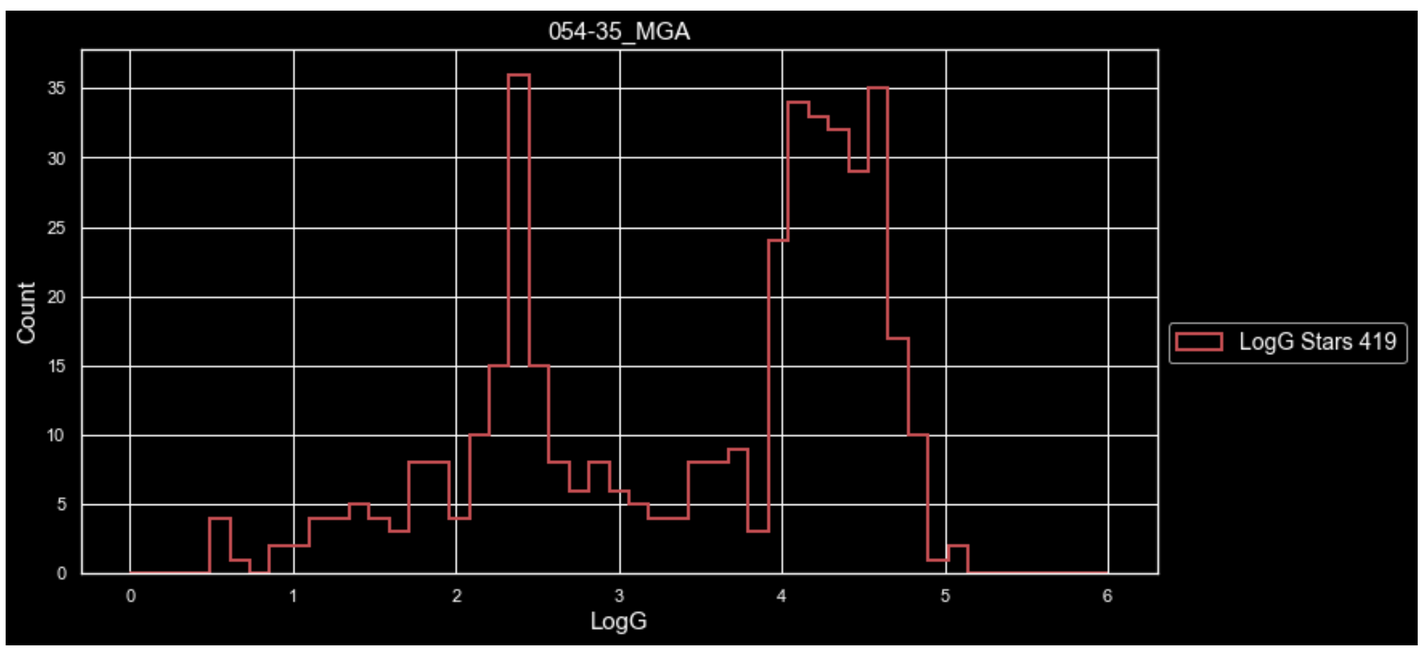
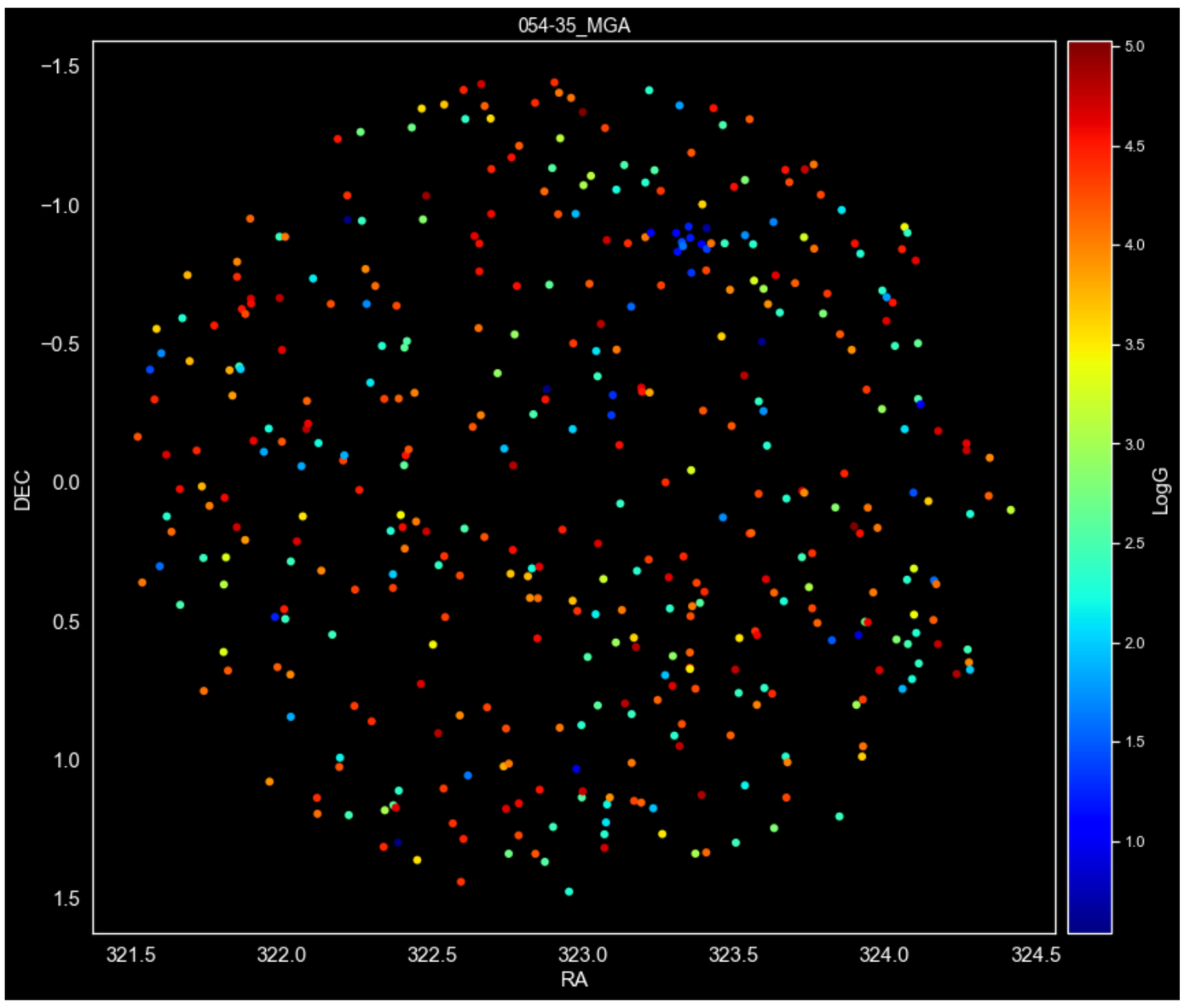
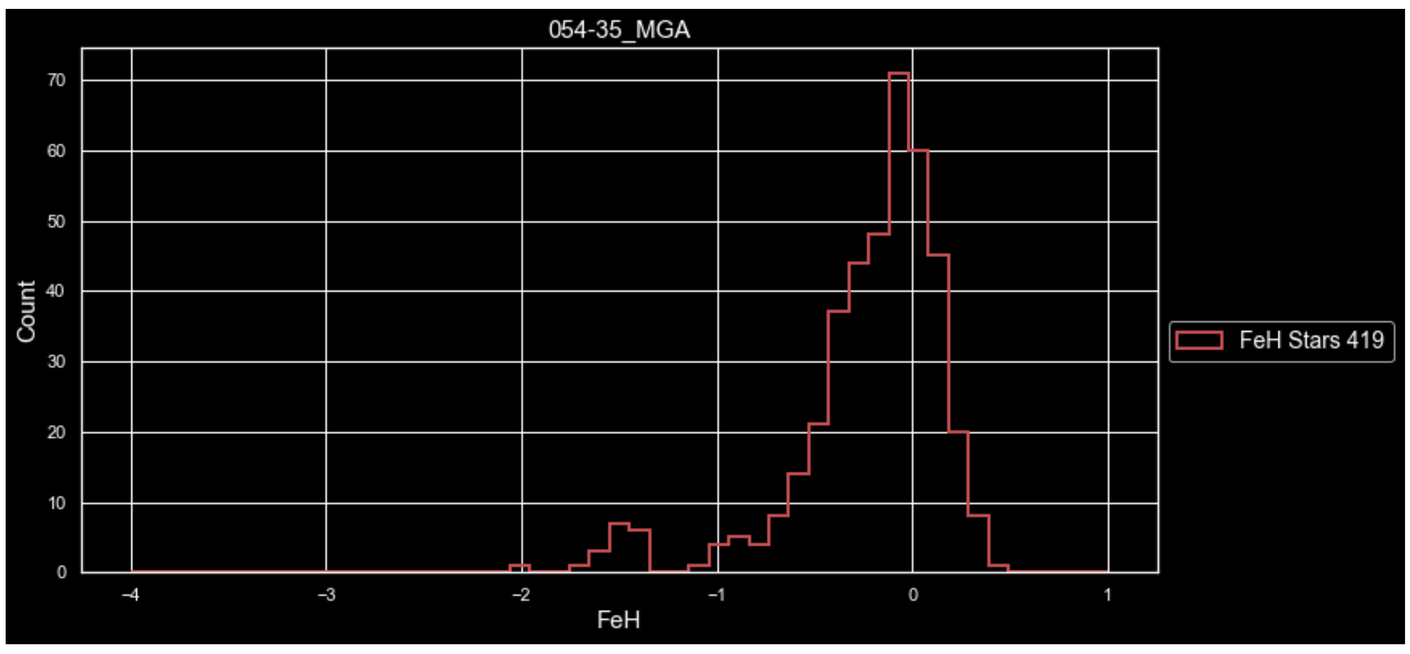
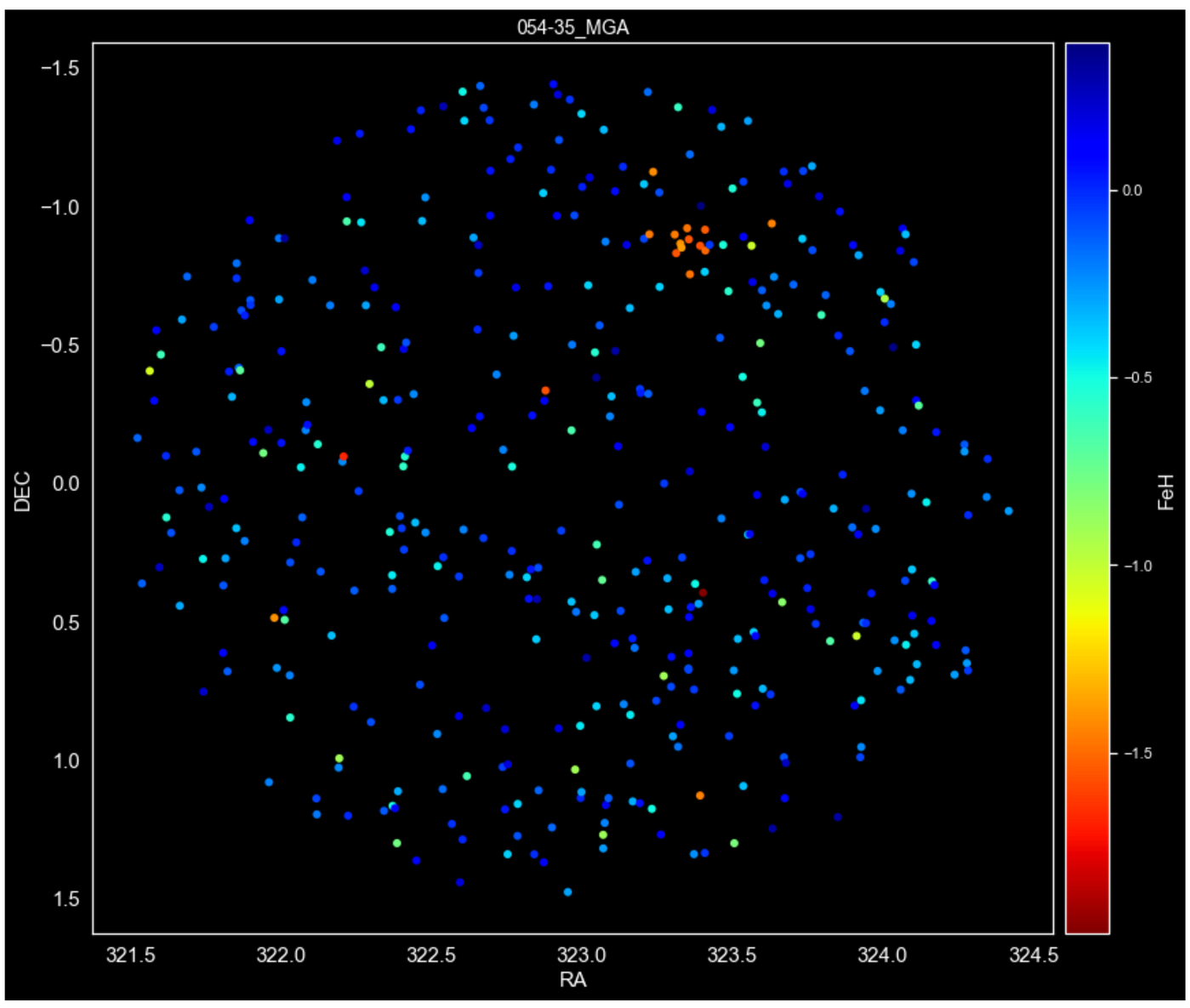




0.0
0.5
1.0
1.5
2.0
2.5
3.0
Color (bp - rp)


054-35_MGA
Count
LogG
LogG Stars 419


054-35_MGA
DEC
RA
LogG


054-35_MGA
Count
FeH
FeH Stars 419


054-35_MGA
DEC
RA
FeH

Done!

In [2]: