```
 1 C:\Users\Alex\AppData\Local\Programs\Python\Python36\python.
   exe C:/Users/Alex/Documents/debris/debSim.py
 2 Running with call: ['C:/Users/Alex/Documents/debris/debSim.
   py']
 3 Loading pickle files
 4 Starting sim...
 5 Running with 10435 pieces of debris and 3453 sats
 6 Firing laser on THOR ABLESTAR DEB at 2019-03-30 10:50:00
 7 Firing laser on THOR ABLESTAR DEB at 2019-03-29 08:40:00
 8 Firing laser on THOR ABLESTAR DEB at 2019-03-28 21:30:00
 9 Firing laser on THOR BURNER 2 R/B at 2019-04-02 10:10:00
10 Firing laser on SCOUT A DEB at 2019-03-29 15:10:00
11 Firing laser on THOR AGENA D R/B at 2019-04-01 00:50:00
12 Firing laser on COSMOS 249 DEB * at 2019-03-30 15:50:00
13 Firing laser on THOR BURNER 2 R/B at 2019-03-30 21:20:00
14 Firing laser on COSMOS 375 DEB at 2019-03-28 14:50:00
15 Firing laser on THORAD AGENA D DEB at 2019-03-27 23:00:00
16 Firing laser on SL-3 R/B at 2019-04-01 11:30:00
17 Firing laser on SL-3 R/B at 2019-03-31 07:40:00
18 Firing laser on DELTA 1 DEB * at 2019-04-01 19:10:00
19 Firing laser on DELTA 1 DEB at 2019-04-02 02:40:00
20 Firing laser on COSMOS 886 DEB at 2019-04-03 08:10:00
21 Firing laser on DELTA 1 DEB at 2019-03-31 04:20:00
22 Firing laser on DELTA 1 DEB at 2019-03-30 04:40:00
23 Firing laser on COSMOS 1275 DEB at 2019-03-28 08:40:00
24 Firing laser on COSMOS 1275 DEB at 2019-04-02 23:50:00
25 Firing laser on DELTA 1 DEB at 2019-03-28 04:30:00
26 Firing laser on COSMOS 1275 DEB at 2019-04-01 04:20:00
27 Firing laser on COSMOS 1375 DEB at 2019-04-03 15:10:00
28 Firing laser on ARIANE 1 DEB at 2019-03-29 20:10:00
29 Firing laser on ARIANE 1 DEB at 2019-03-31 19:30:00
30 Firing laser on COSMOS 1275 DEB at 2019-03-29 02:30:00
31 Firing laser on ARIANE 40 R/B at 2019-03-27 18:20:00
32 Firing laser on SL-16 R/B at 2019-04-01 16:20:00
33 trajectory-worker-2: Got Propagation Error 1: mean
   eccentricity -2.048440 not within range 0.0 <= e < 1.0
34 Firing laser on DELTA 1 DEB at 2019-04-02 19:40:00
35 Firing laser on FENGYUN 1C DEB at 2019-04-01 07:20:00
36 Firing laser on FENGYUN 1C DEB at 2019-04-01 23:40:00
37 Firing laser on FENGYUN 1C DEB at 2019-04-02 07:00:00
38 trajectory-worker-1: Got Propagation Error 1: mean
   eccentricity -0.007374 not within range 0.0 <= e < 1.0
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39 Firing laser on FENGYUN 1C DEB at 2019-03-28 18:10:00
40 Firing laser on FENGYUN 1C DEB at 2019-04-03 04:20:00
41 Firing laser on FENGYUN 1C DEB at 2019-03-29 05:50:00
42 Firing laser on FENGYUN 1C DEB at 2019-03-31 13:30:00
43 Firing laser on FENGYUN 1C DEB at 2019-04-03 11:40:00
44 Firing laser on COSMOS 2251 DEB at 2019-03-29 23:30:00
45 trajectory-worker-4: Got Propagation Error 1: mean
   eccentricity -0.022515 not within range 0.0 <= e < 1.0
46 trajectory-worker-3: Got Propagation Error 1: mean
   eccentricity -0.001006 not within range 0.0 <= e < 1.0
47 Firing laser on SL-16 DEB at 2019-04-02 15:20:00
48 trajectory-worker-1: Got Propagation Error 1: mean
   eccentricity -0.167100 not within range 0.0 <= e < 1.0
49 Firing laser on NOAA 16 DEB at 2019-03-30 08:00:00
50 Firing laser on FENGYUN 1C DEB at 2019-03-31 10:40:00
51 trajectory-worker-4: Got Propagation Error 6: mrt 0.086940
   is less than 1.0 indicating the satellite has decayed
52 trajectory-worker-2: Got Propagation Error 6: mrt 0.729278
   is less than 1.0 indicating the satellite has decayed
53 Firing laser on FENGYUN 1C DEB at 2019-03-31 01:20:00
54 trajectory-worker-1: Got Propagation Error 6: mrt 0.524671
   is less than 1.0 indicating the satellite has decayed
55 trajectory-worker-2: Got Propagation Error 6: mrt 0.899417
   is less than 1.0 indicating the satellite has decayed
56 trajectory-worker-4: Got Propagation Error 1: mean
   eccentricity -0.005399 not within range 0.0 <= e < 1.0
57 trajectory-worker-2: Got Propagation Error 1: mean
   eccentricity -0.023080 not within range 0.0 <= e < 1.0
58 trajectory-worker-3: Got Propagation Error 1: mean
   eccentricity -0.038940 not within range 0.0 <= e < 1.0
59 trajectory-worker-3: Got Propagation Error 1: mean
   eccentricity -0.009072 not within range 0.0 <= e < 1.0
60 trajectory-worker-2: Got Propagation Error 1: mean
   eccentricity -0.128603 not within range 0.0 <= e < 1.0
61 trajectory-worker-2: Got Propagation Error 1: mean
   eccentricity -0.166523 not within range 0.0 <= e < 1.0
62 trajectory-worker-2: Got Propagation Error 1: mean
   eccentricity -0.080708 not within range 0.0 <= e < 1.0
63 trajectory-worker-1: Got Propagation Error 1: mean
   eccentricity -0.012764 not within range 0.0 <= e < 1.0
64 trajectory-worker-3: Got Propagation Error 1: mean
   eccentricity -0.129867 not within range 0.0 <= e < 1.0
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65 trajectory-worker-1: Got Propagation Error 1: mean
   eccentricity -0.122743 not within range 0.0 <= e < 1.0
66 trajectory-worker-1: Got Propagation Error 1: mean
   eccentricity -0.001013 not within range 0.0 <= e < 1.0
67 trajectory-worker-1: Got Propagation Error 6: mrt 0.621569
   is less than 1.0 indicating the satellite has decayed
68 trajectory-worker-3: Got Propagation Error 1: mean
   eccentricity -0.007159 not within range 0.0 <= e < 1.0
69 trajectory-worker-3: Got Propagation Error 1: mean
   eccentricity -0.008203 not within range 0.0 <= e < 1.0
70 trajectory-worker-3: Got Propagation Error 1: mean
   eccentricity -0.005648 not within range 0.0 <= e < 1.0
71 trajectory-worker-1: Got Propagation Error 1: mean
   eccentricity -0.029345 not within range 0.0 <= e < 1.0
72 trajectory-worker-3: Got Propagation Error 1: mean
   eccentricity -0.015154 not within range 0.0 <= e < 1.0
73 trajectory-worker-2: Got Propagation Error 1: mean
   eccentricity -0.003636 not within range 0.0 <= e < 1.0
74 trajectory-worker-2: Got Propagation Error 1: mean
   eccentricity -0.028240 not within range 0.0 <= e < 1.0
75 trajectory-worker-2: Got Propagation Error 1: mean
   eccentricity -0.172879 not within range 0.0 <= e < 1.0
76 trajectory-worker-2: Got Propagation Error 1: mean
   eccentricity -0.018275 not within range 0.0 <= e < 1.0
77 trajectory-worker-4: Got Propagation Error 1: mean
   eccentricity -0.001009 not within range 0.0 <= e < 1.0
78 Firing laser on TBA - TO BE ASSIGNED at 2019-03-28 12:00:00
79 Finished generating trajectories, with 31 invalid
80 Running from 2019-03-27 17:00:00 to 2019-04-03 17:00:00,
   with 1008 steps
81
82 Laser Object: METOP-C (43689)
83 Got 423 passes, 292 unique objects
84 Uniq: x (695.0 1005.0) y (-1.0 181.0)
85 Tot: x (695.0 1005.0) y (-1.0 181.0)
86 Vel: x (8.0 100.0) y (0.0 15.0)
87 Inc: x (-1.0 181.0) y (40.0 102.0)
88
89 Process finished with exit code 0
90
```