Selection Criteria:

Auroral wind, SBz

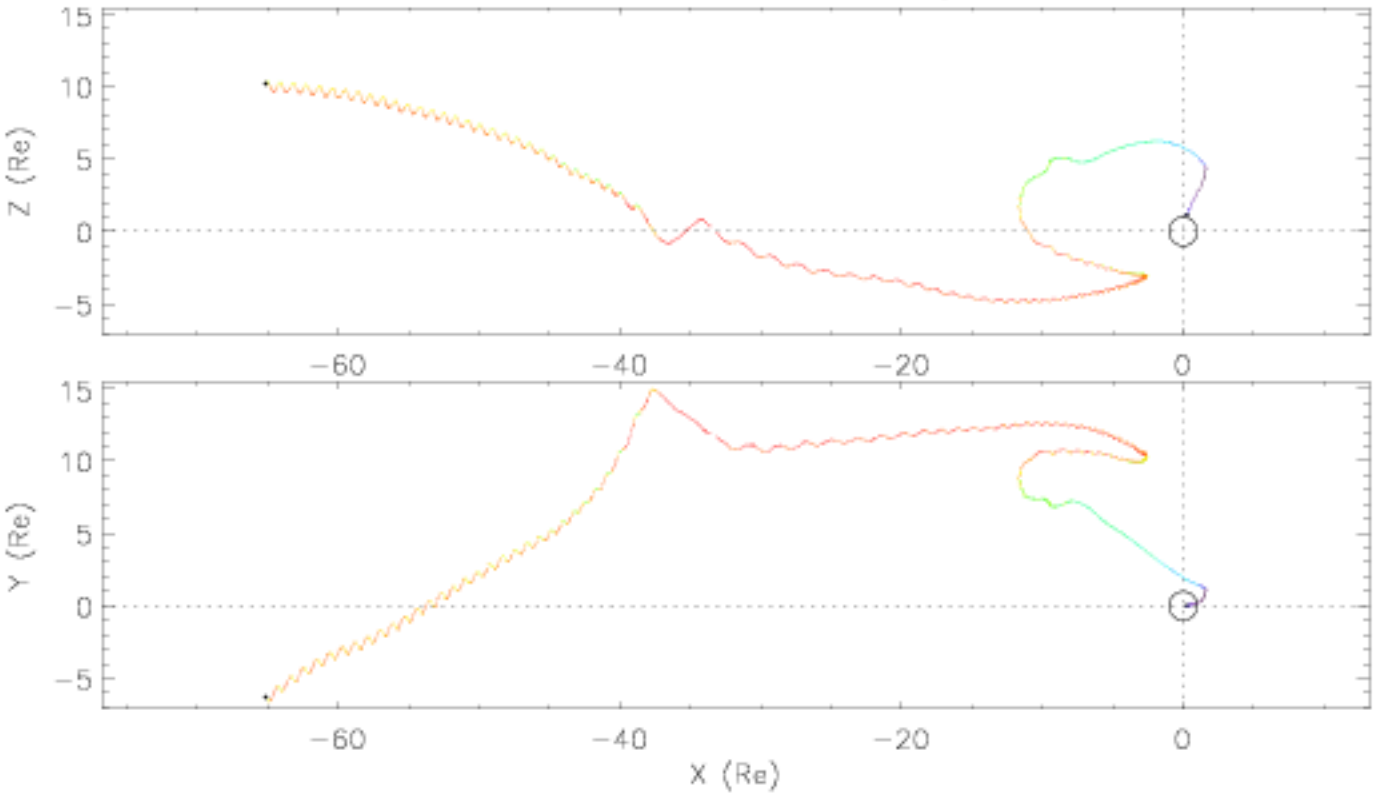
At 80 ± 5 minutes

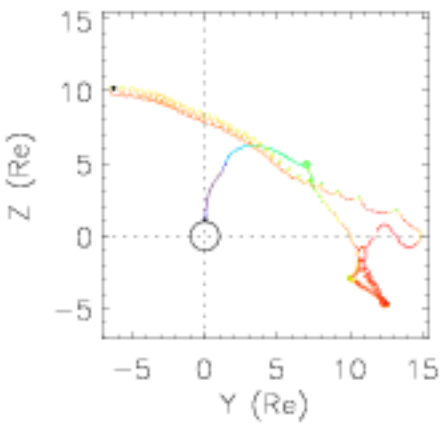
Lat 0 ± 20 deg

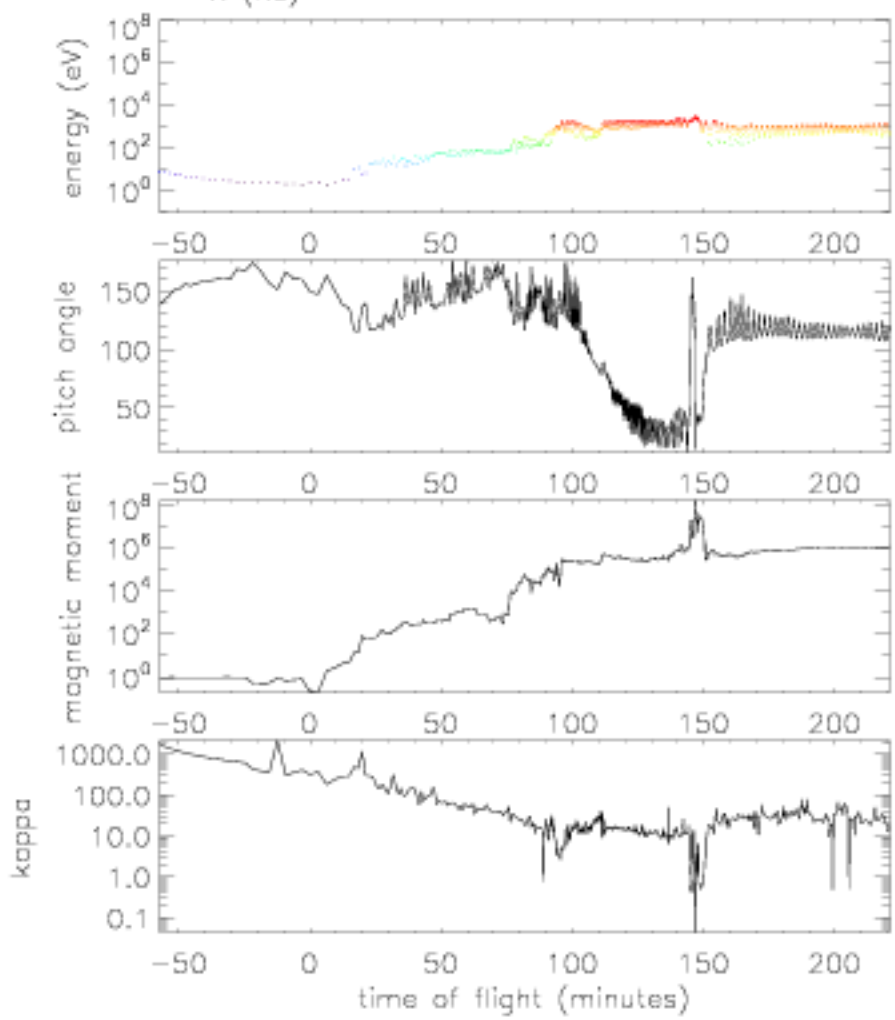
LT 21 ± 1 hr

r = 12 ± 2 RE

Particle code of D. Delcourt, O+







Start, Stop Parameters:

Time (minute): −57.3, 220.8
Magnetic local time: 12.290, 0.367
Magnetic latitude: 76.810, 8.845
Distance (Re): 1.16, 66.22
Energy (eV): 8.34, 581.80
Pitch angle: 138.600, 115.400
Tilt angle (deg): 0.000

file: particle0000453.full

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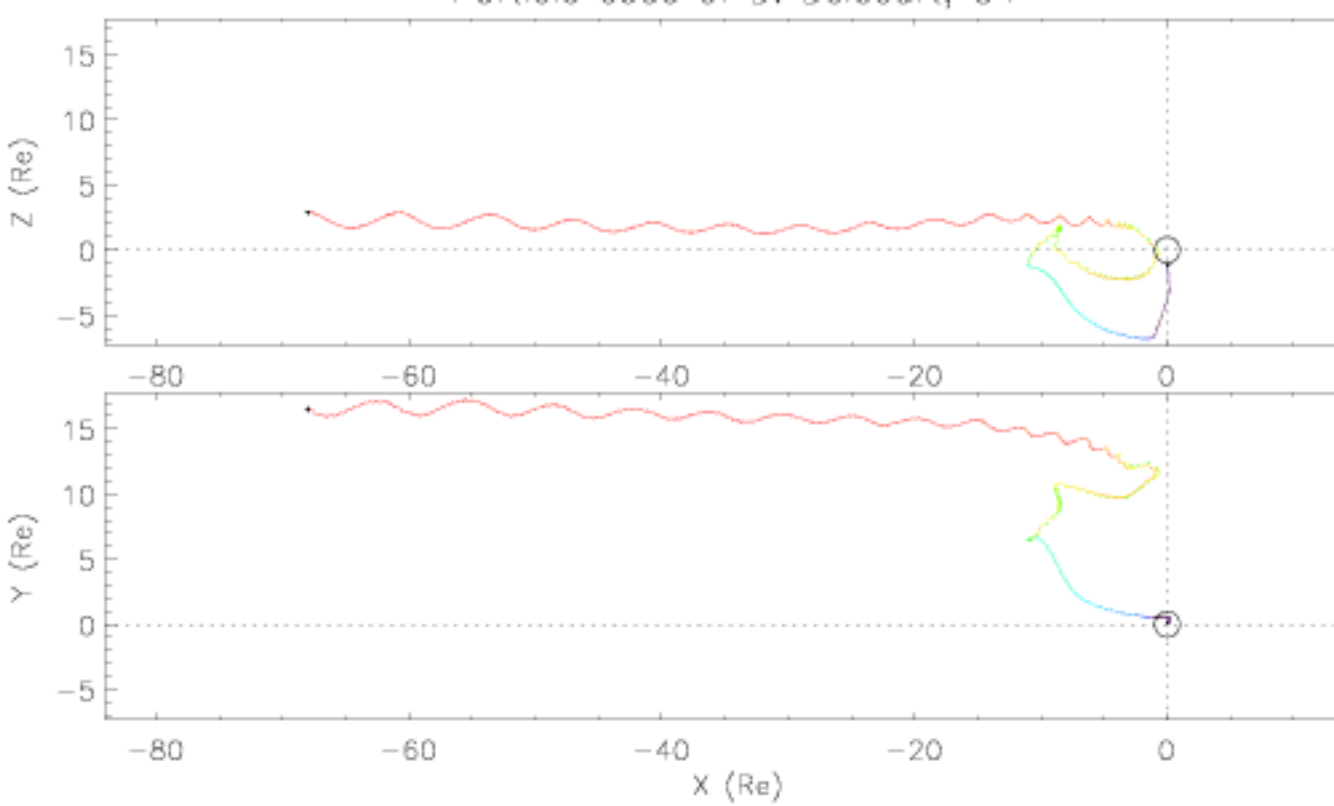
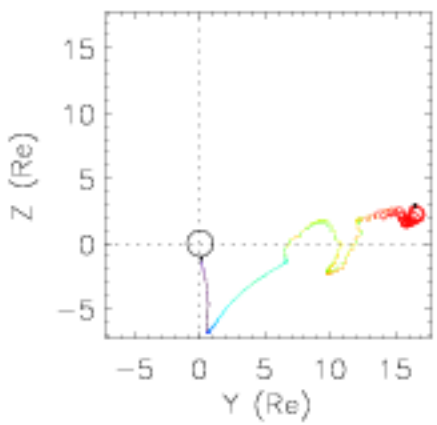
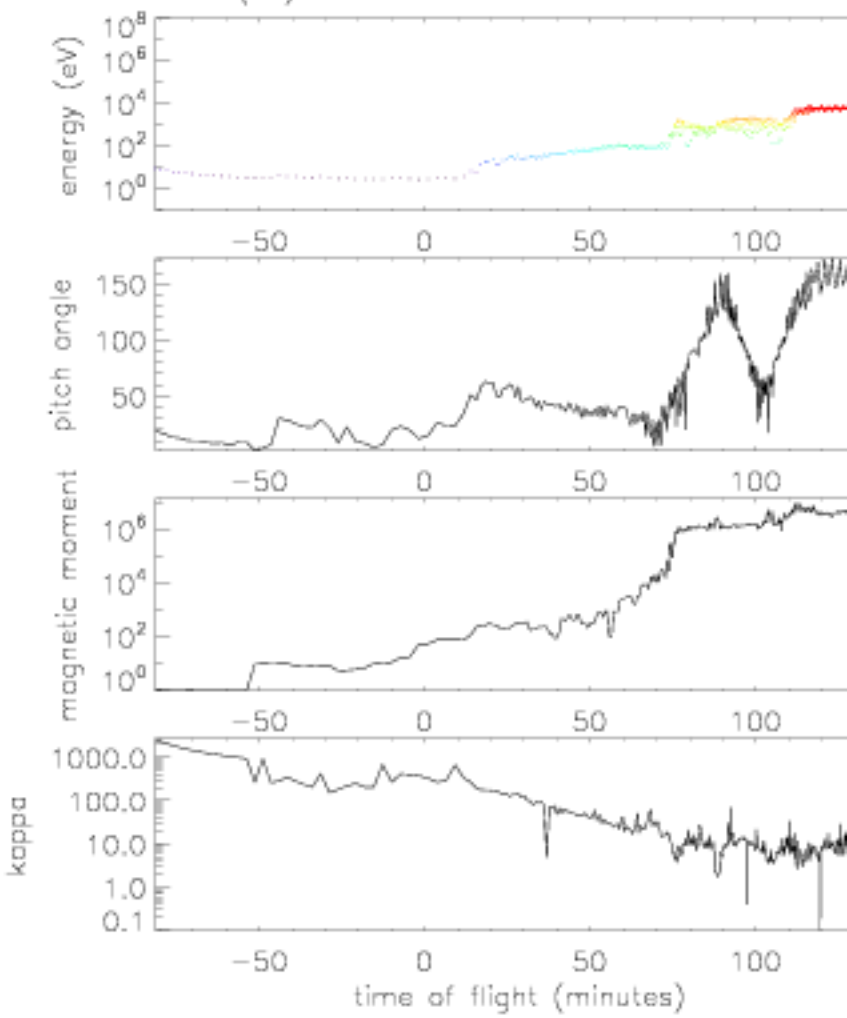




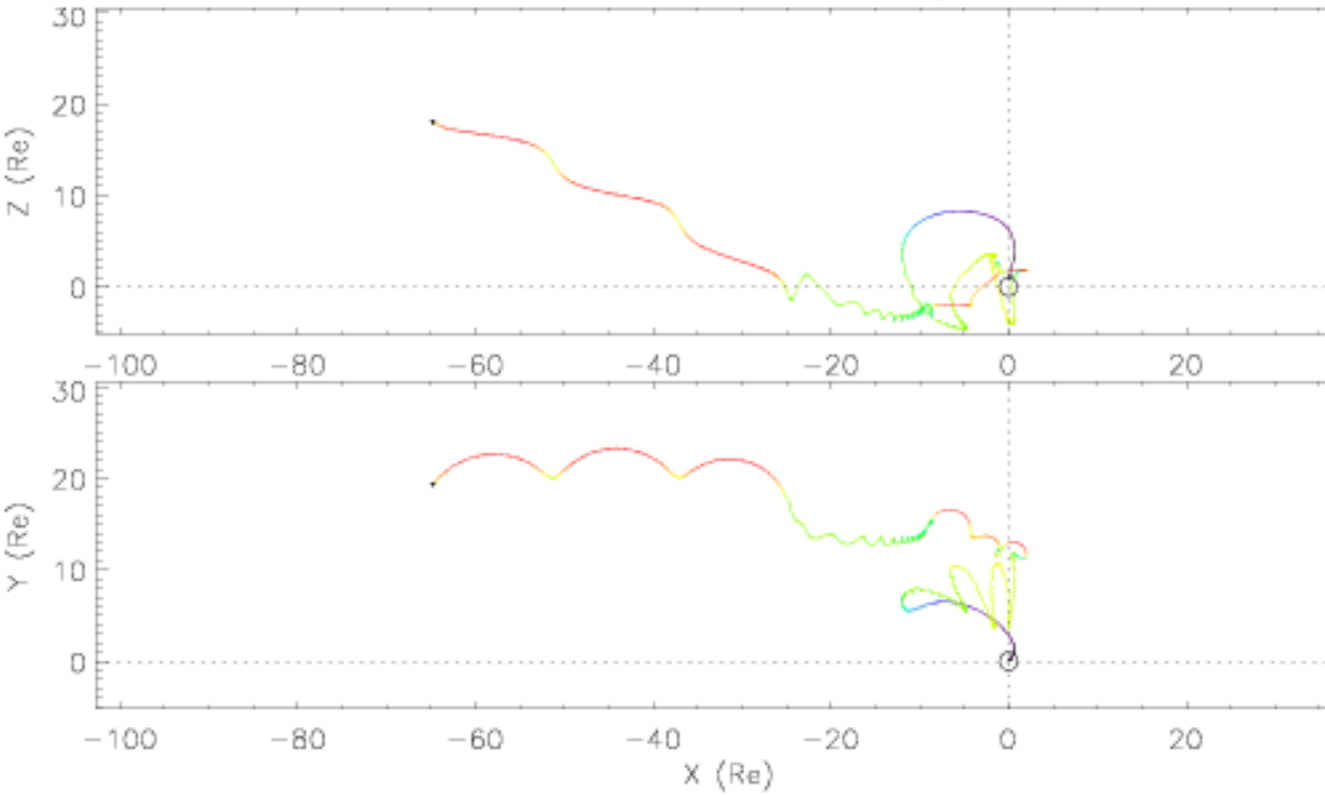


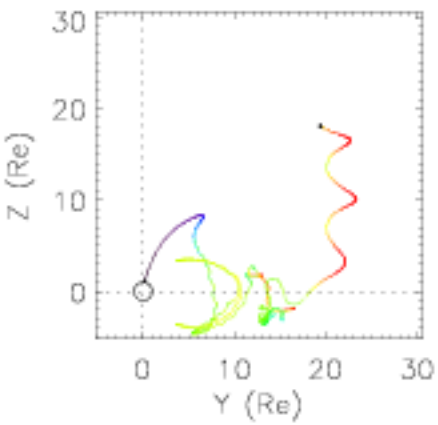
Start, Stop Parameters:

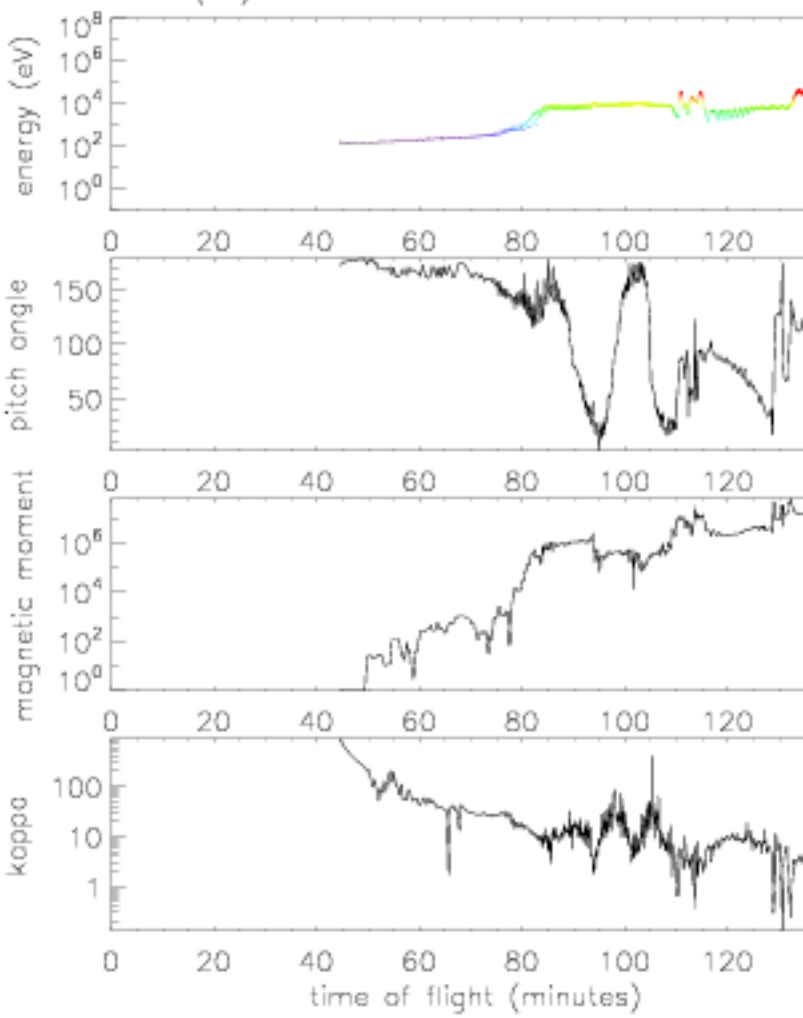
Time (minute): −81.4, 139.2
Magnetic local time: 16.360, 23.090
Magnetic latitude: −84.460, 2.371
Distance (Re): 1.16, 70.01
Energy (eV): 9.26, 7168.00
Pitch angle: 18.950, 150.800
Tilt angle (deg): 0.000

file: particle0000948.full

Fri Mar 10 13:37:52 2006







Start, Stop Parameters:

Time (minute): 44.3, 142.1
Magnetic local time: 15.570, 22.890
Magnetic latitude: 79.060, 14.930
Distance (Re): 1.16, 70.01
Energy (eV): 161.70, 12310.00
Pitch angle: 171.900, 130.600
Tilt angle (deg): 0.000

file: particle0001699.full

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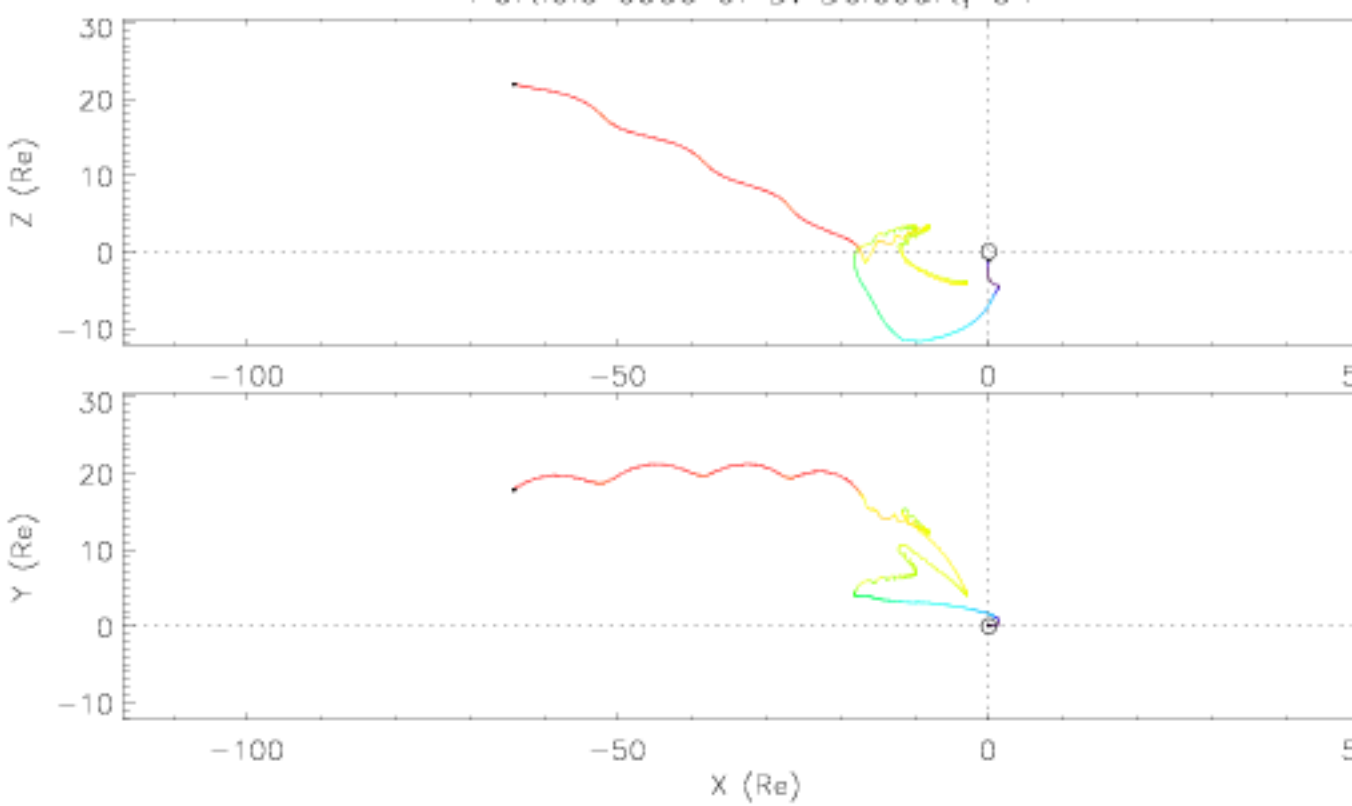

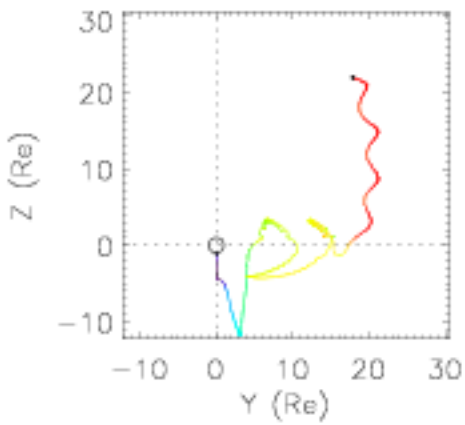

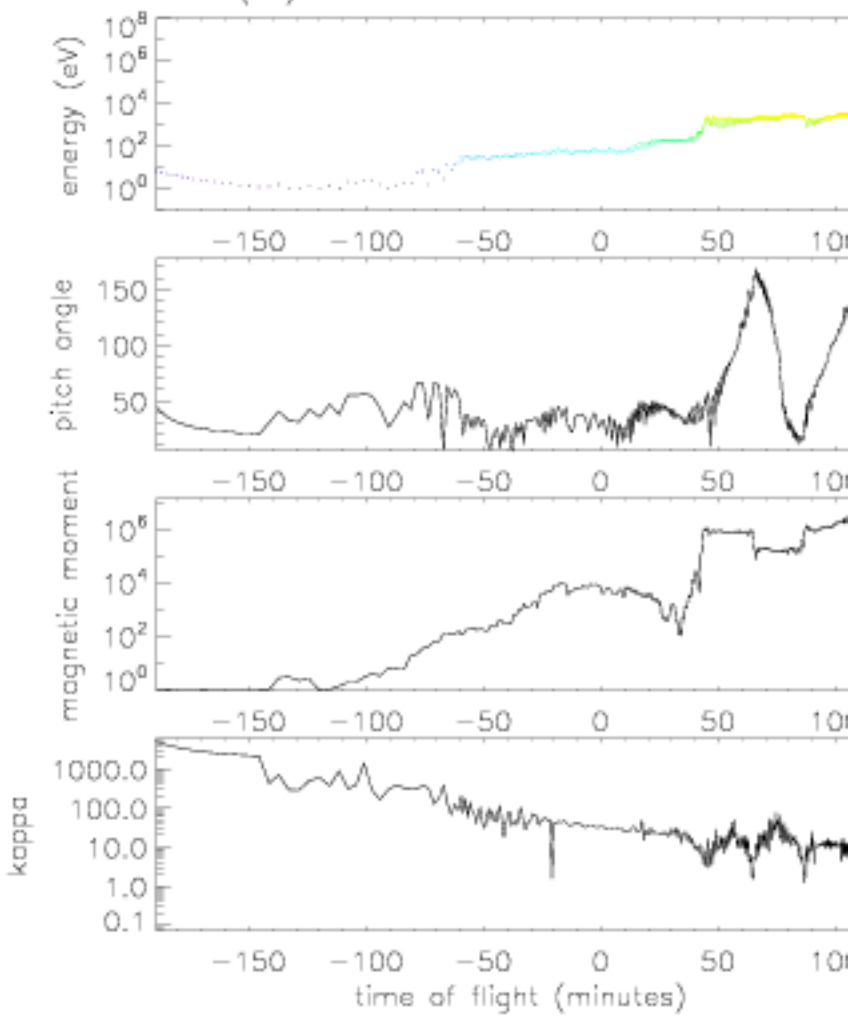

Start, Stop Parameters:

Time (minute): −189.3, 121.4
Magnetic local time: 17.480, 22.960
Magnetic latitude: −88.230, 18.270
Distance (Re): 1.16, 70.01
Energy (eV): 7.07, 18870.00
Pitch angle: 44.670, 137.000
Tilt angle (deg): 0.000

file: particle0002014.full

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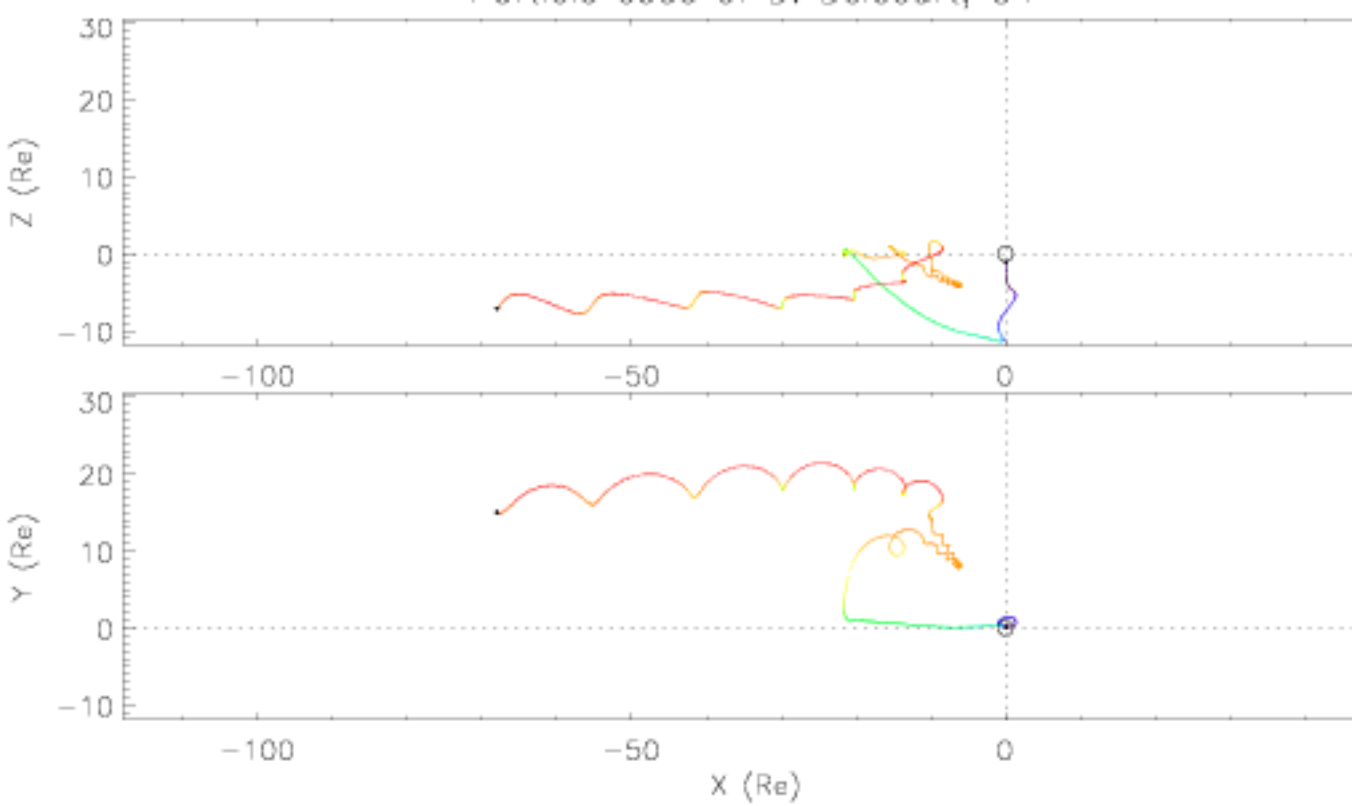

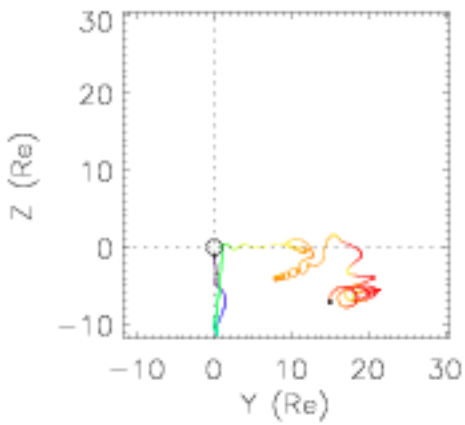

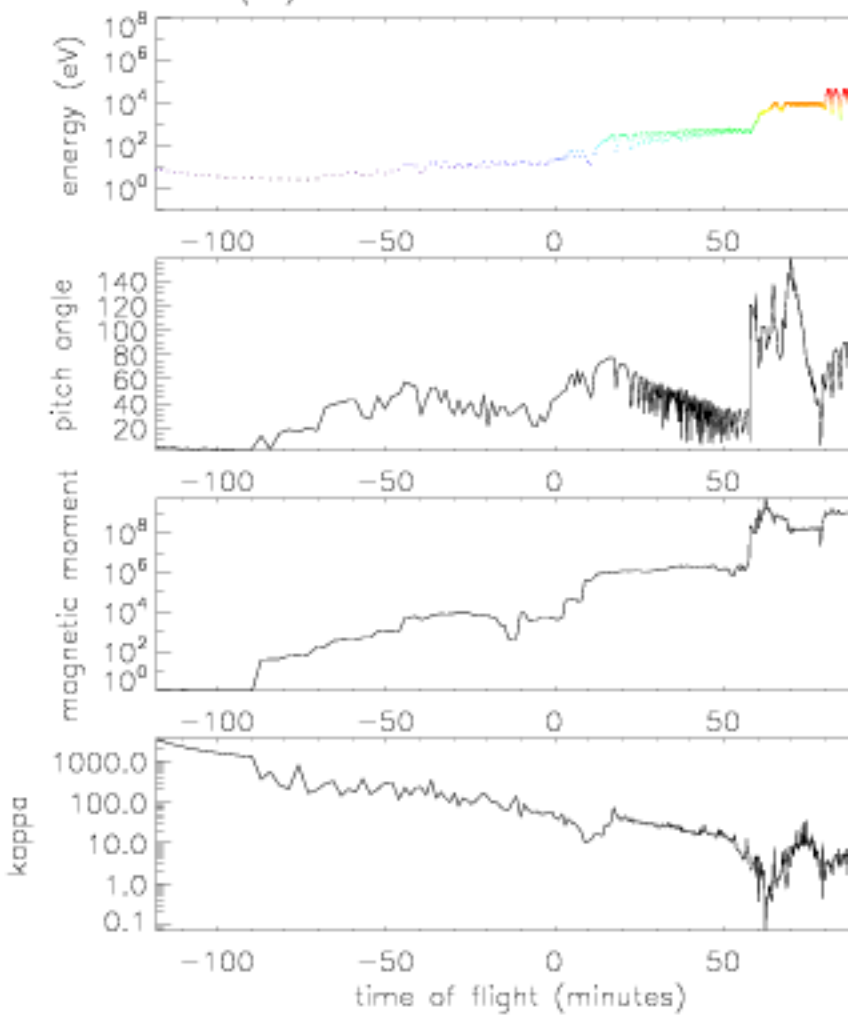

Start, Stop Parameters:

Time (minute): −118.0, 98.1
Magnetic local time: 15.140, 23.170
Magnetic latitude: −86.930, −5.844
Distance (Re): 1.16, 70.01
Energy (eV): 9.03, 15670.00
Pitch angle: 4.800, 30.400
Tilt angle (deg): 0.000

file: particle0003748.full

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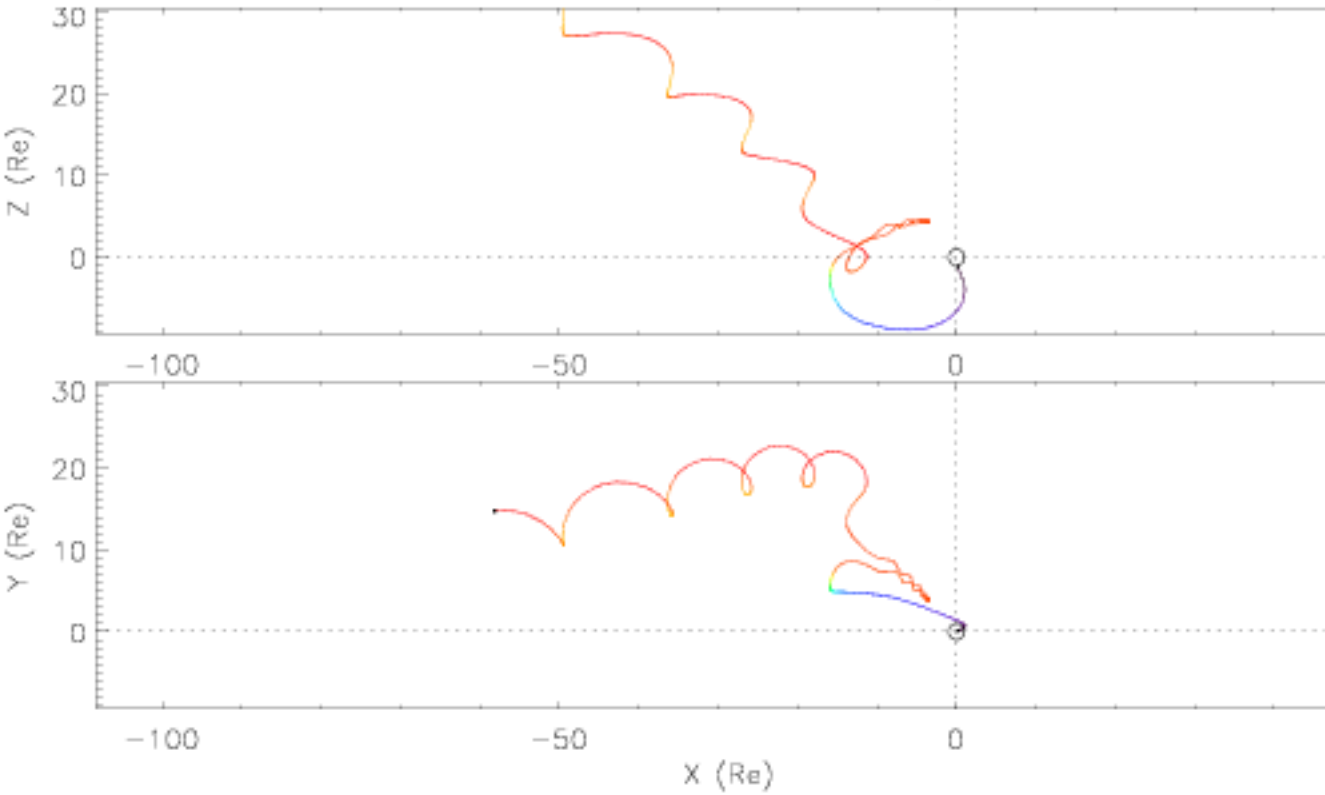

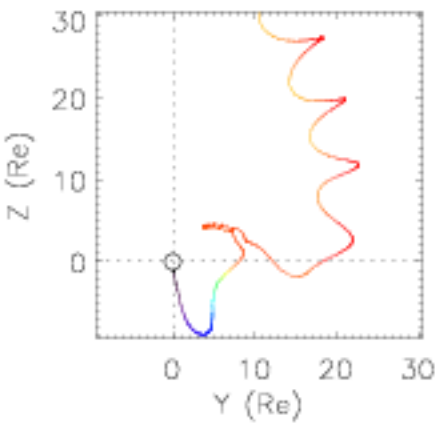

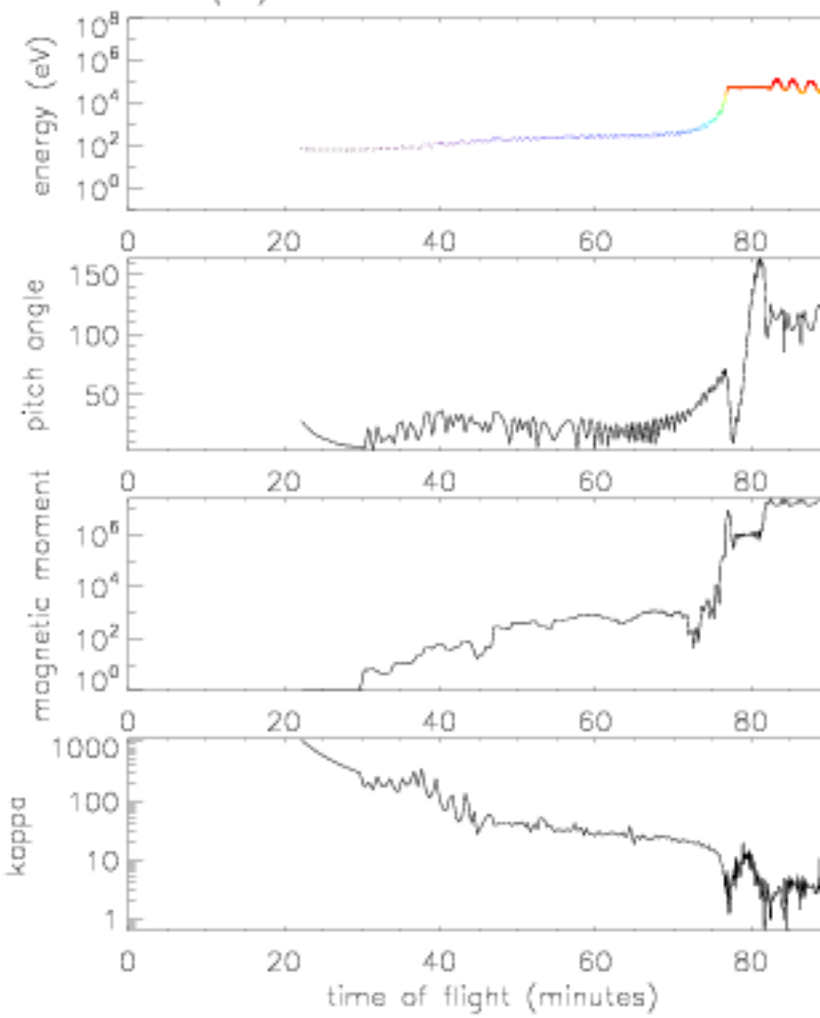

Start, Stop Parameters:

Time (minute): 22.2, 93.7
Magnetic local time: 13.720, 23.050
Magnetic latitude: −78.710, 30.990
Distance (Re): 1.16, 70.02
Energy (eV): 74.56, 95250.00
Pitch angle: 27.630, 116.900
Tilt angle (deg): 0.000

file: particle0006154.full

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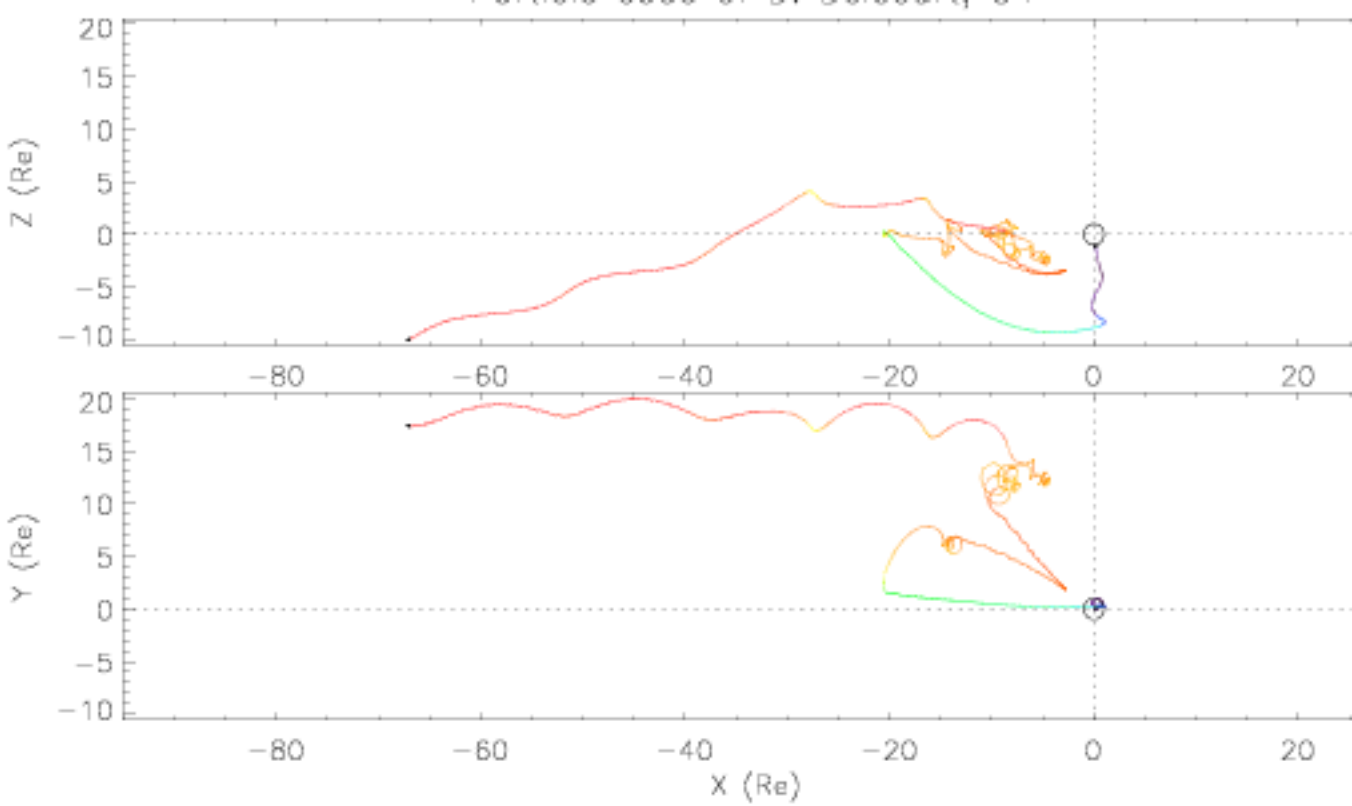

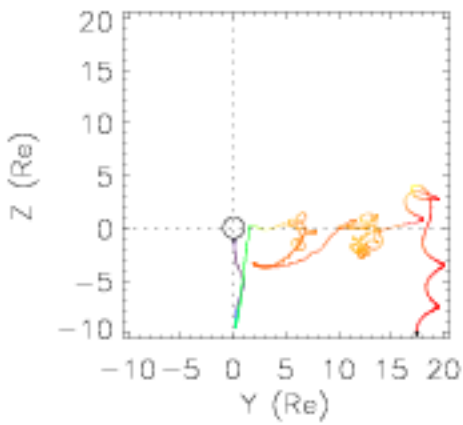

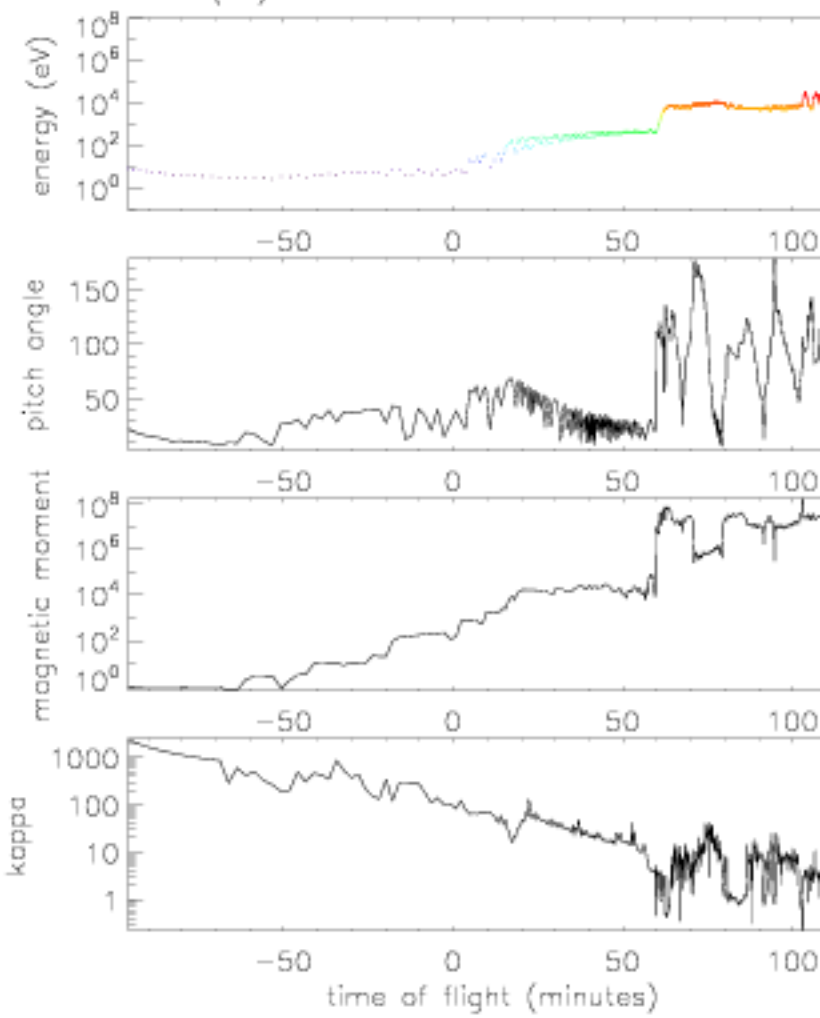

Start, Stop Parameters:

Time (minute): −95.7, 119.3
Magnetic local time: 12.920, 23.030
Magnetic latitude: −83.450, −8.231
Distance (Re): 1.16, 70.00
Energy (eV): 9.45, 18500.00
Pitch angle: 22.640, 4.721
Tilt angle (deg): 0.000

file: particle0006846.full

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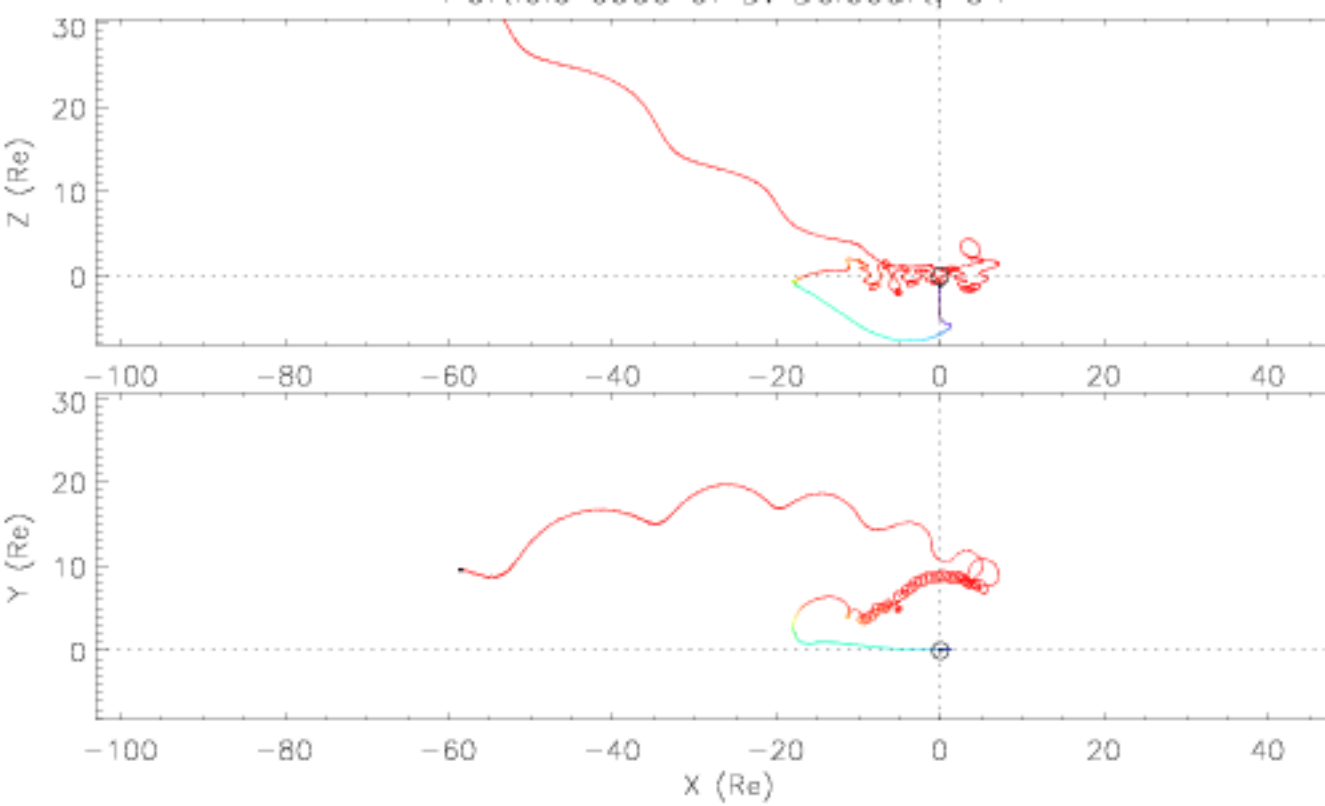

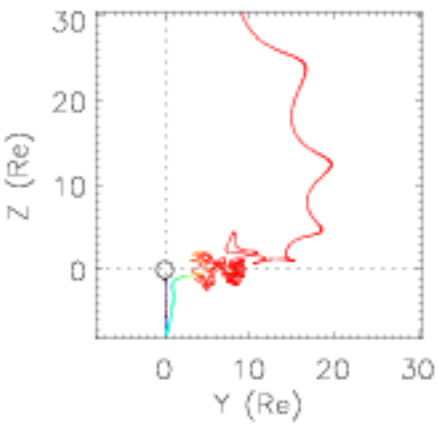

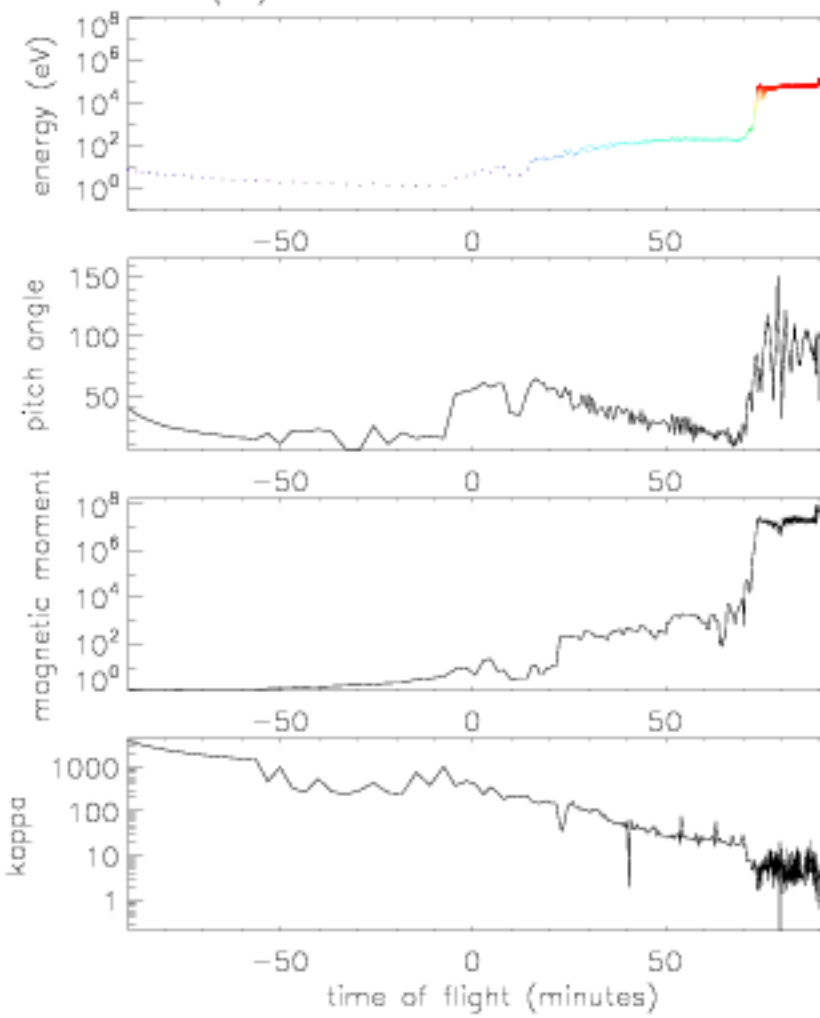

Start, Stop Parameters:

Time (minute): −89.4, 100.0
Magnetic local time: 18.690, 23.380
Magnetic latitude: −87.150, 32.060
Distance (Re): 1.16, 70.01
Energy (eV): 8.26, 95070.00
Pitch angle: 39.790, 146.200
Tilt angle (deg): 0.000

file: particle0007104.full

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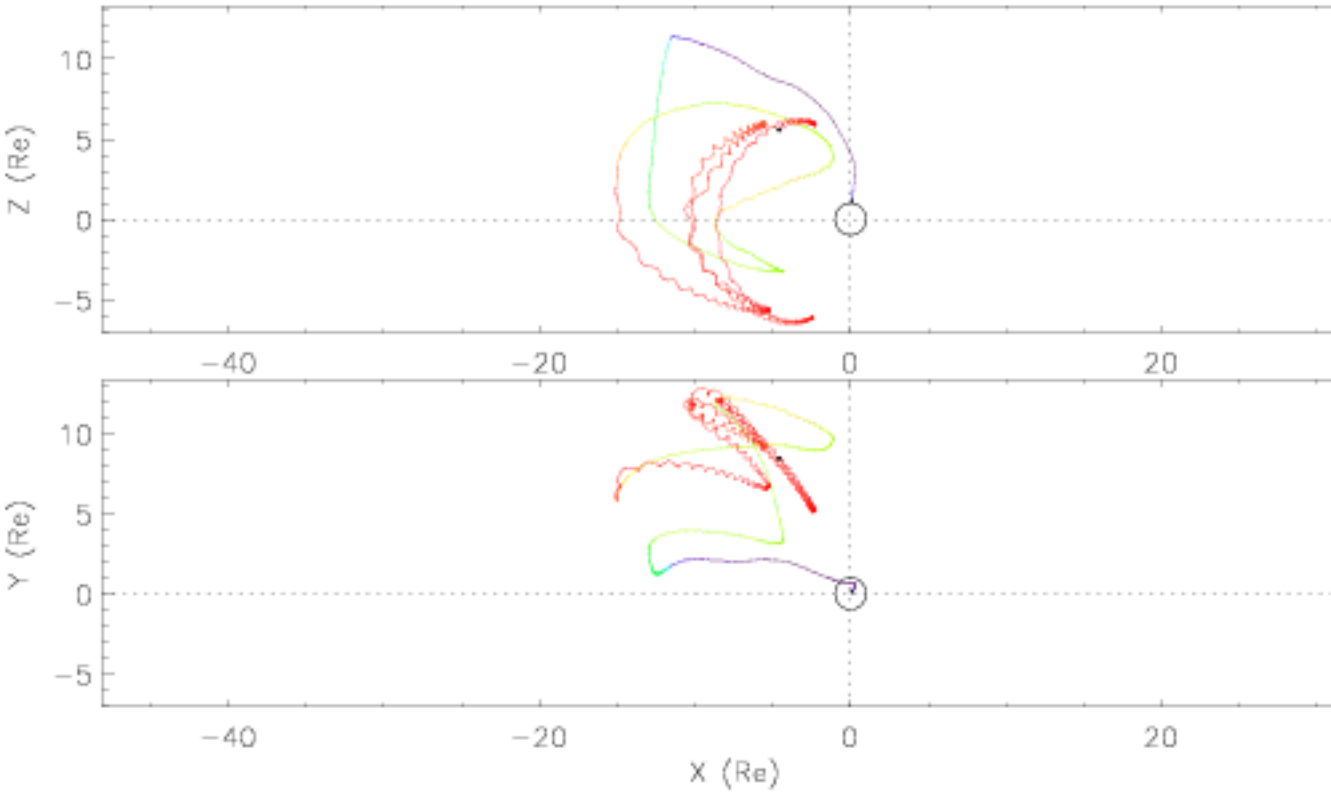

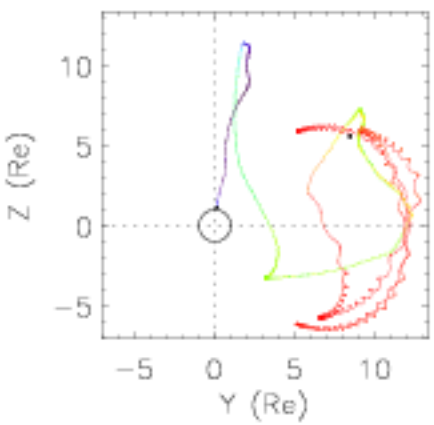

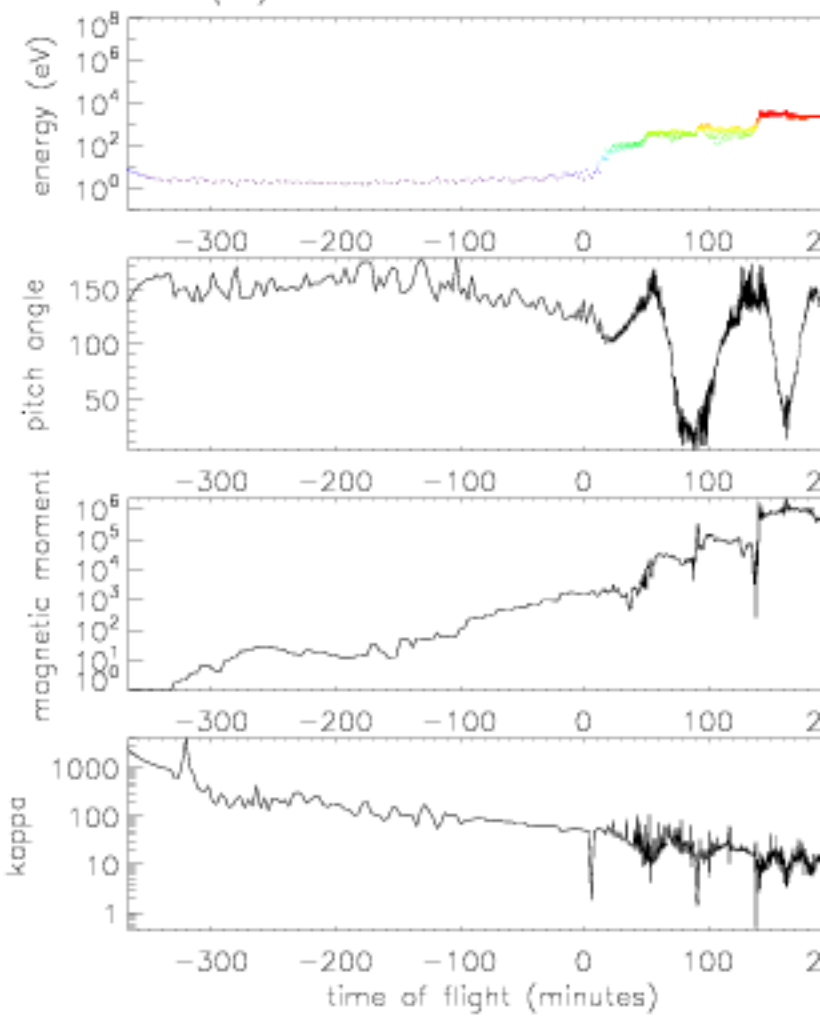

Start, Stop Parameters:

Time (minute): −367.0, 220.8
Magnetic local time: 15.400, 19.900
Magnetic latitude: 82.800, 30.180
Distance (Re): 1.16, 11.11
Energy (eV): 8.02, 3938.00
Pitch angle: 138.900, 140.200
Tilt angle (deg): 0.000

file: particle0007513.full

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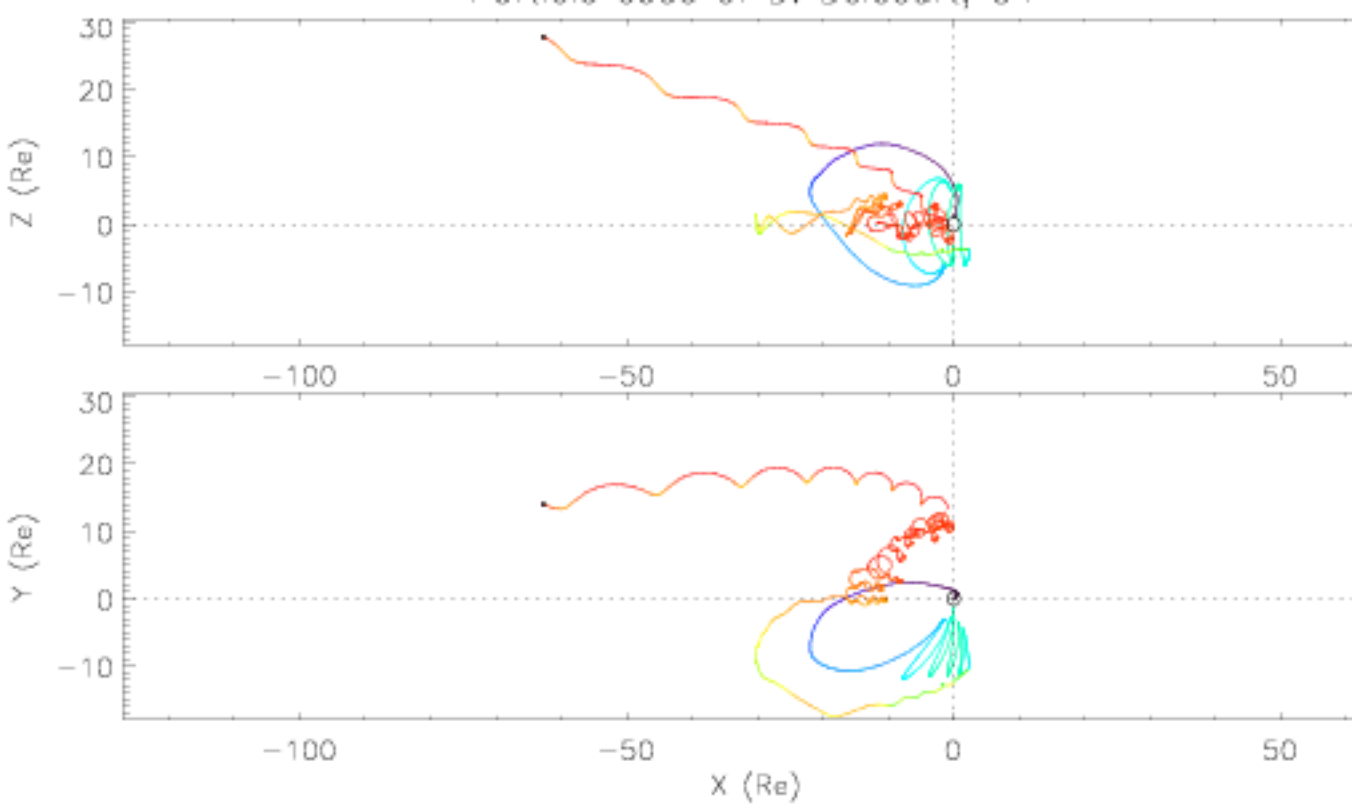

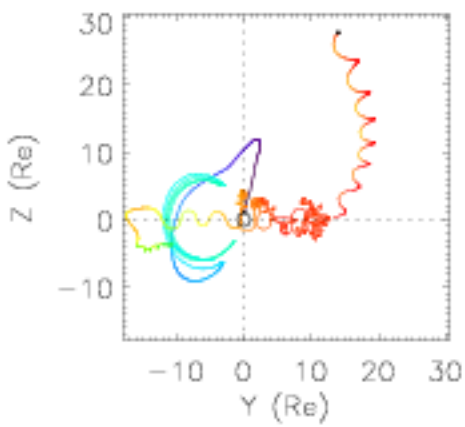

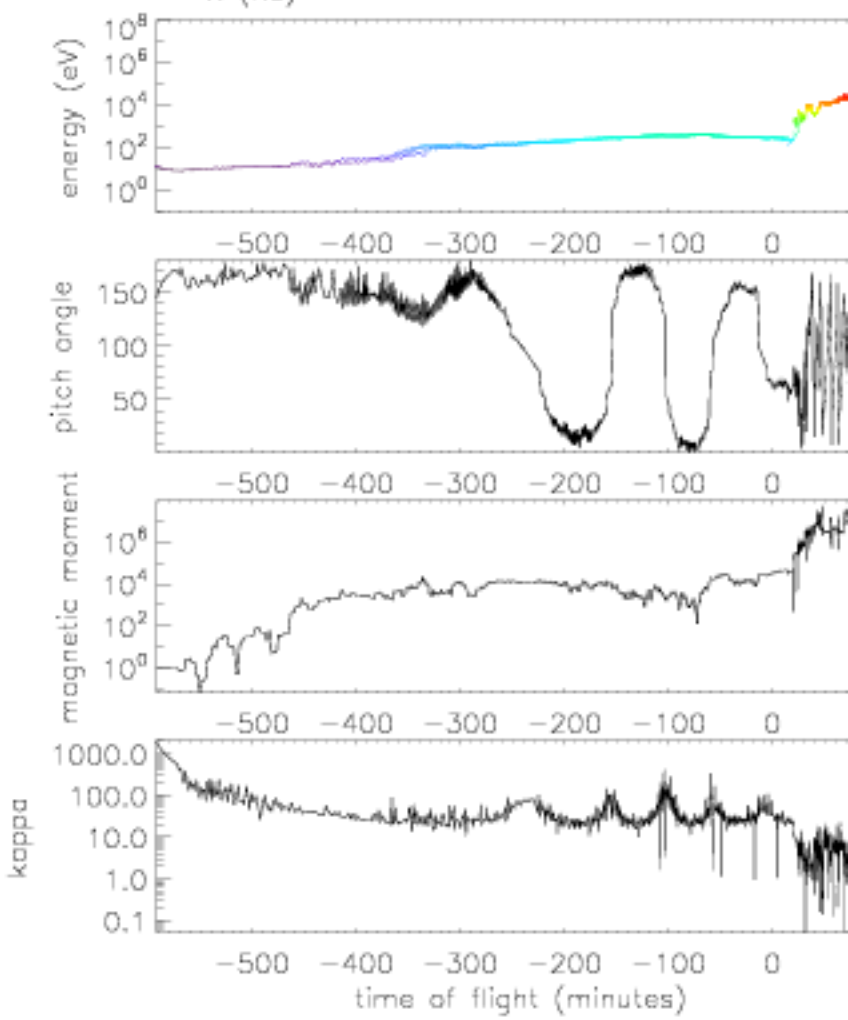

Start, Stop Parameters:

Time (minute): −592.3, 108.6
Magnetic local time: 14.520, 23.160
Magnetic latitude: 81.420, 23.380
Distance (Re): 1.16, 70.01
Energy (eV): 15.09, 26140.00
Pitch angle: 144.700, 130.800
Tilt angle (deg): 0.000

file: particle0008035.full

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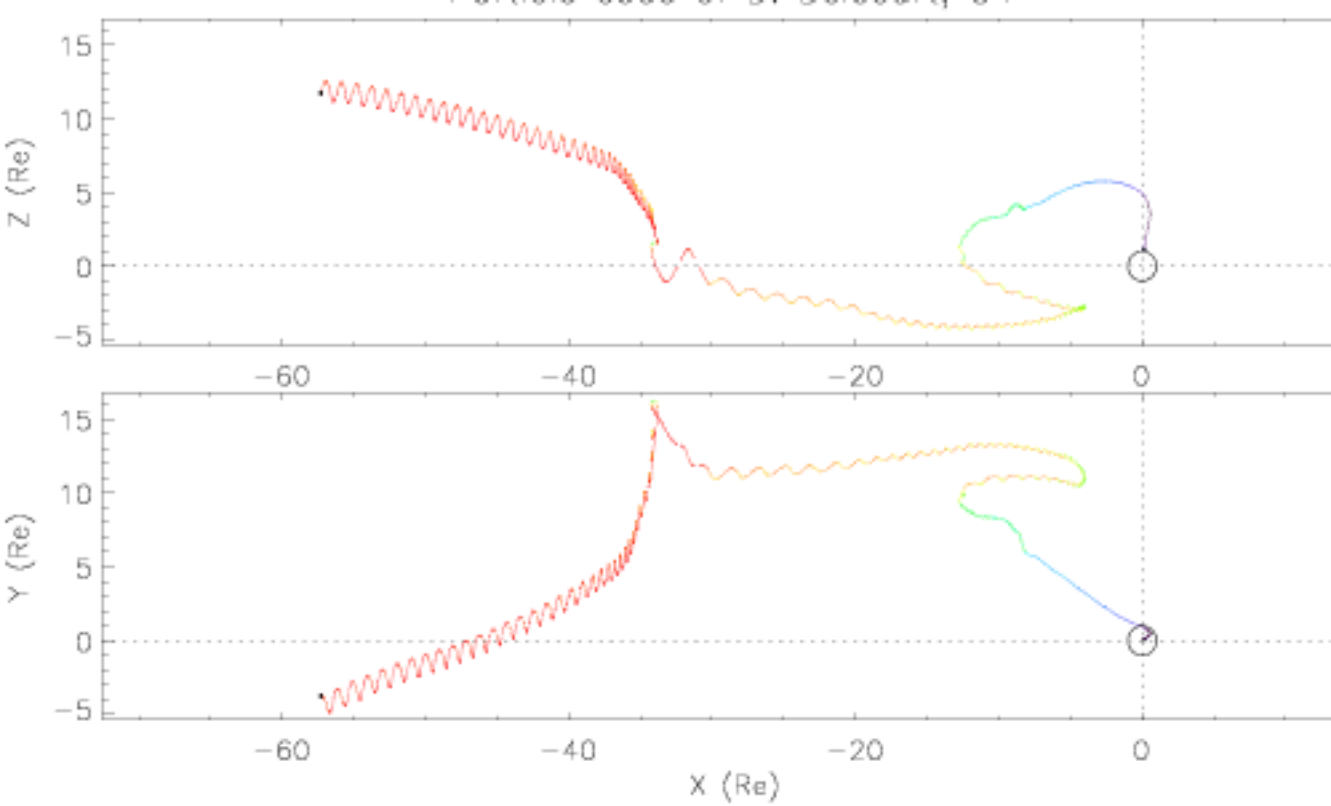

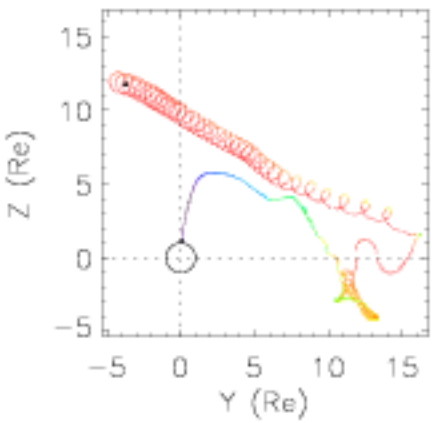

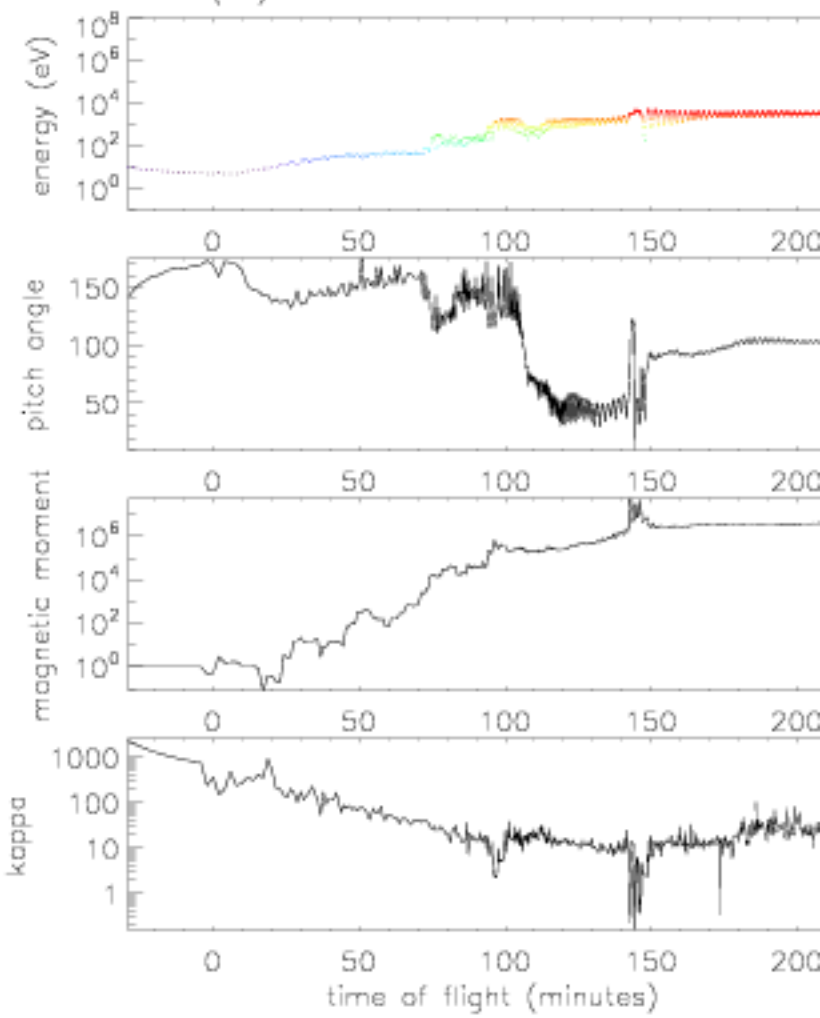

Start, Stop Parameters:

Time (minute): −29.0, 220.8
Magnetic local time: 14.100, 0.249
Magnetic latitude: 83.240, 11.550
Distance (Re): 1.16, 58.59
Energy (eV): 11.41, 3465.00
Pitch angle: 142.000, 102.700
Tilt angle (deg): 0.000

file: particle0009037.full

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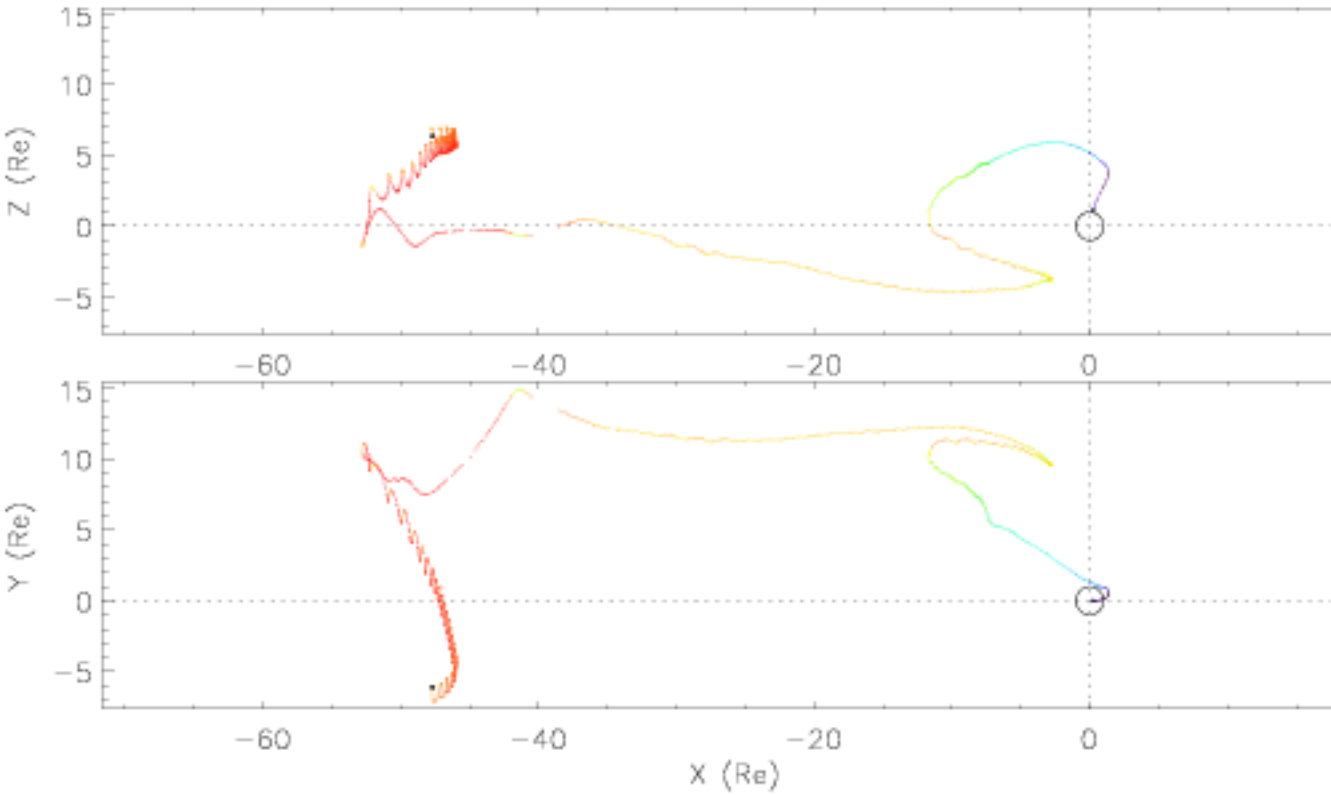

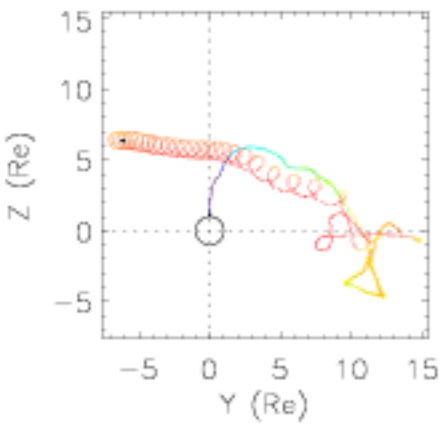

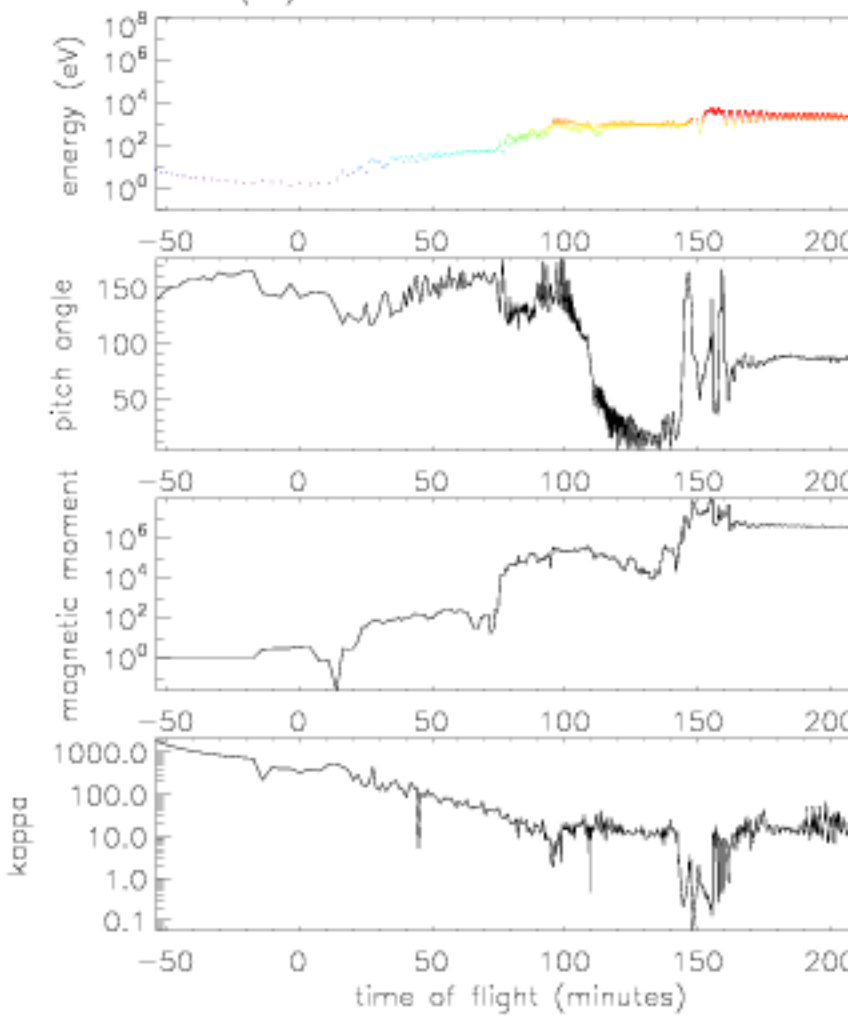

Start, Stop Parameters:

Time (minute): −53.5, 220.8
Magnetic local time: 11.880, 0.486
Magnetic latitude: 77.840, 7.515
Distance (Re): 1.16, 48.51
Energy (eV): 7.56, 1616.00
Pitch angle: 139.300, 97.830
Tilt angle (deg): 0.000

file: particle0010039.full

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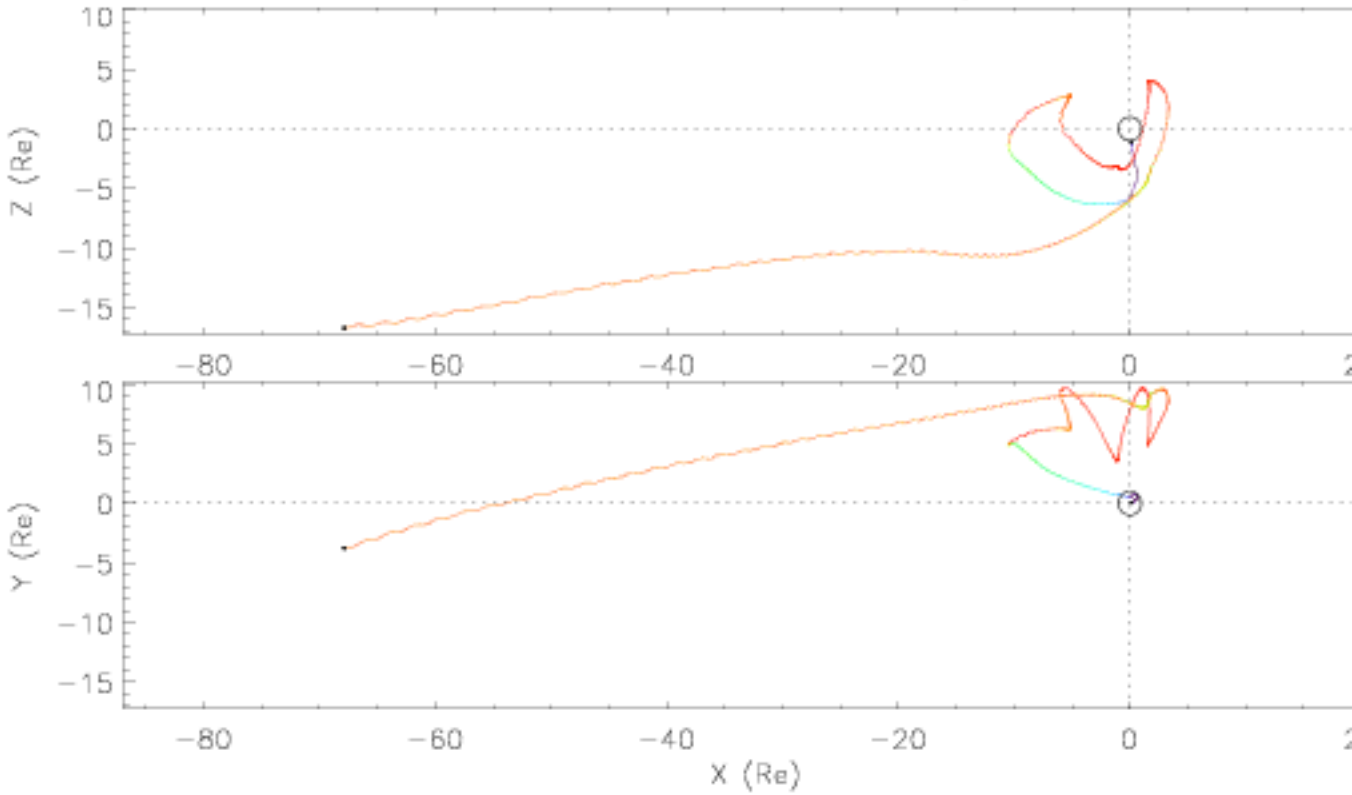

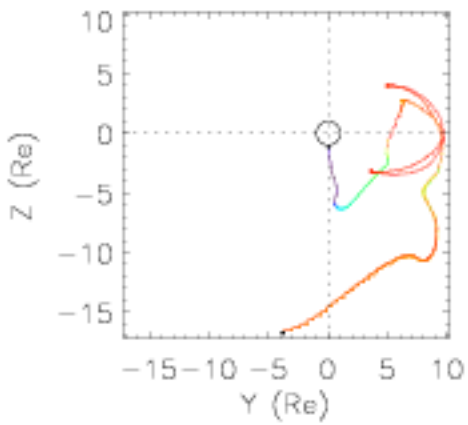

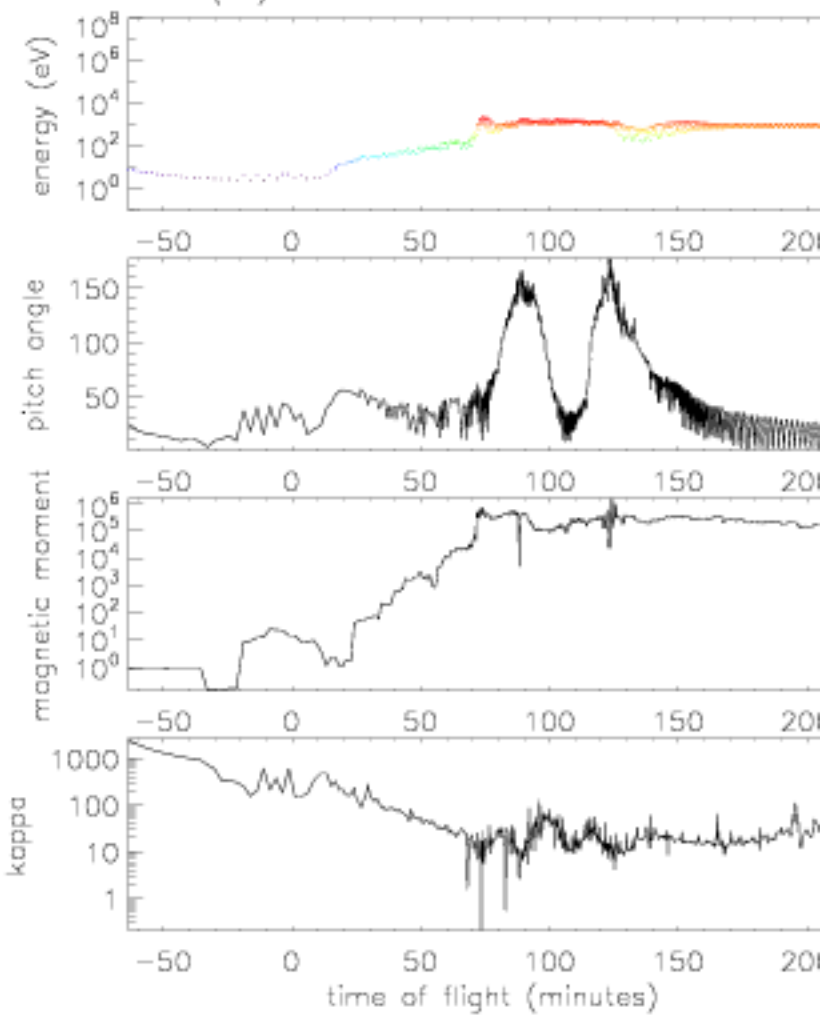

Start, Stop Parameters:

Time (minute): −63.5, 219.8
Magnetic local time: 13.480, 0.213
Magnetic latitude: −83.860, −13.820
Distance (Re): 1.16, 70.01
Energy (eV): 9.06, 861.30
Pitch angle: 24.740, 3.814
Tilt angle (deg): 0.000

file: particle0011760.full

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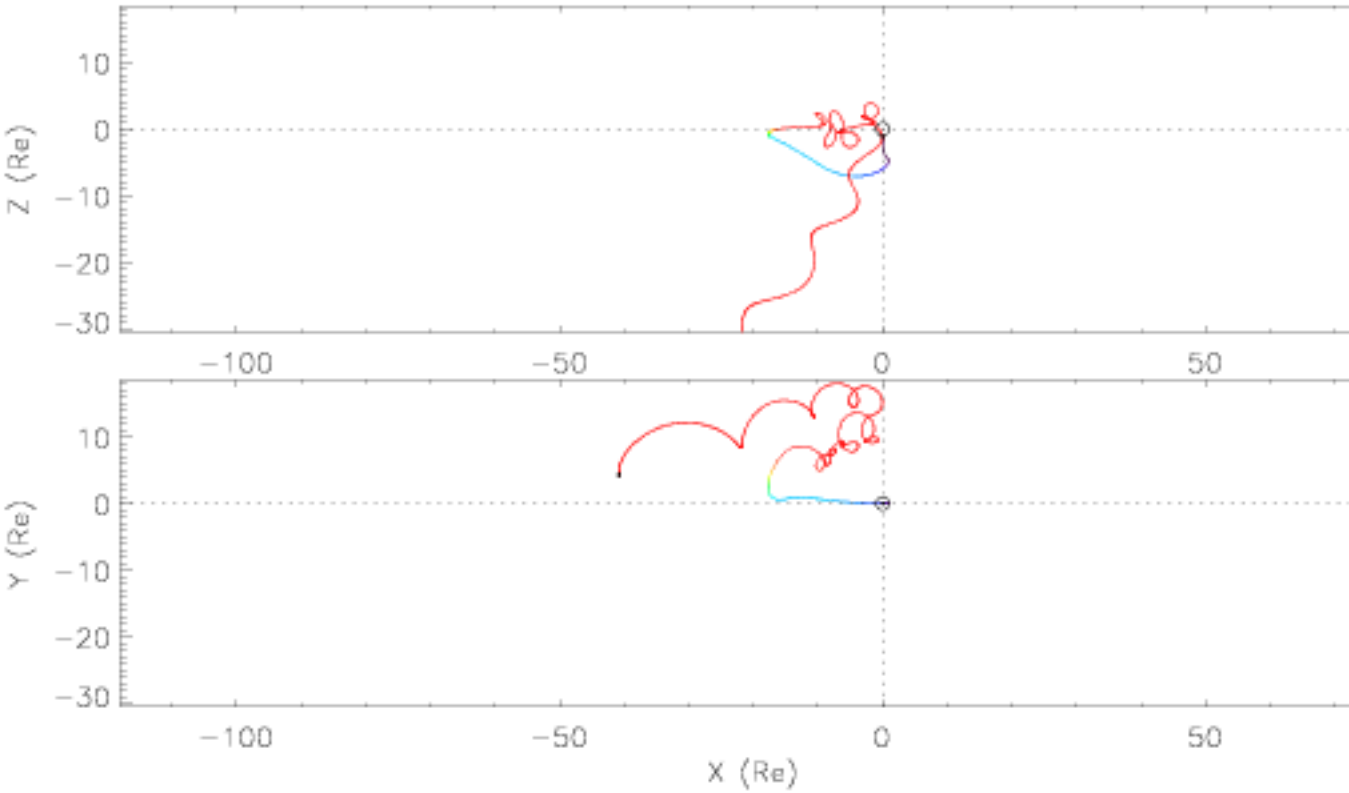

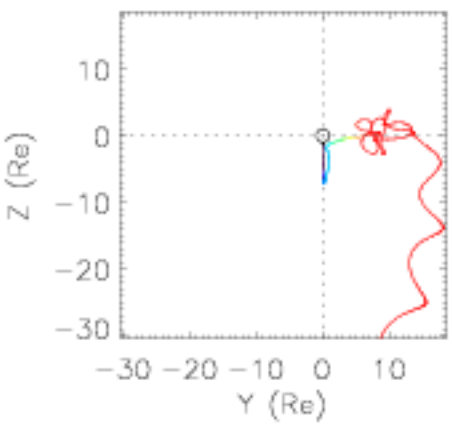

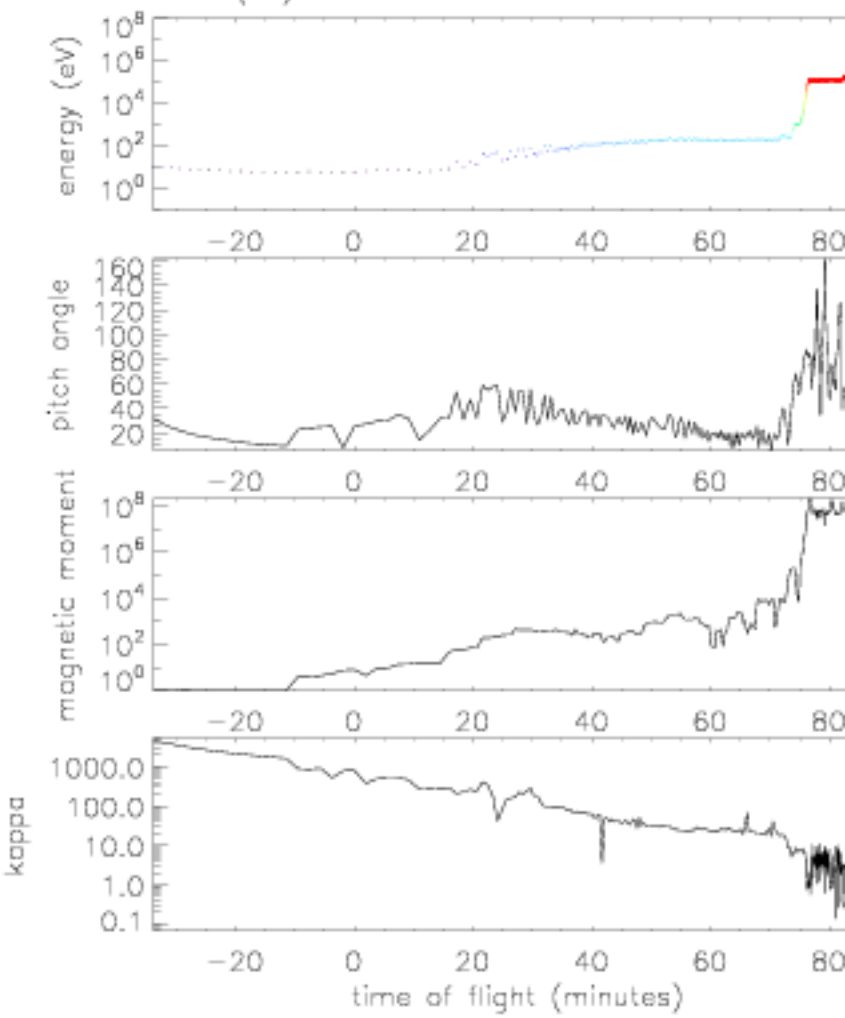

Start, Stop Parameters:

Time (minute): −33.8, 89.1
Magnetic local time: 11.220, 23.600
Magnetic latitude: −88.500, −54.150
Distance (Re): 1.16, 70.00
Energy (eV): 11.77, 111000.00
Pitch angle: 31.970, 17.630
Tilt angle (deg): 0.000

file: particle0012608.full

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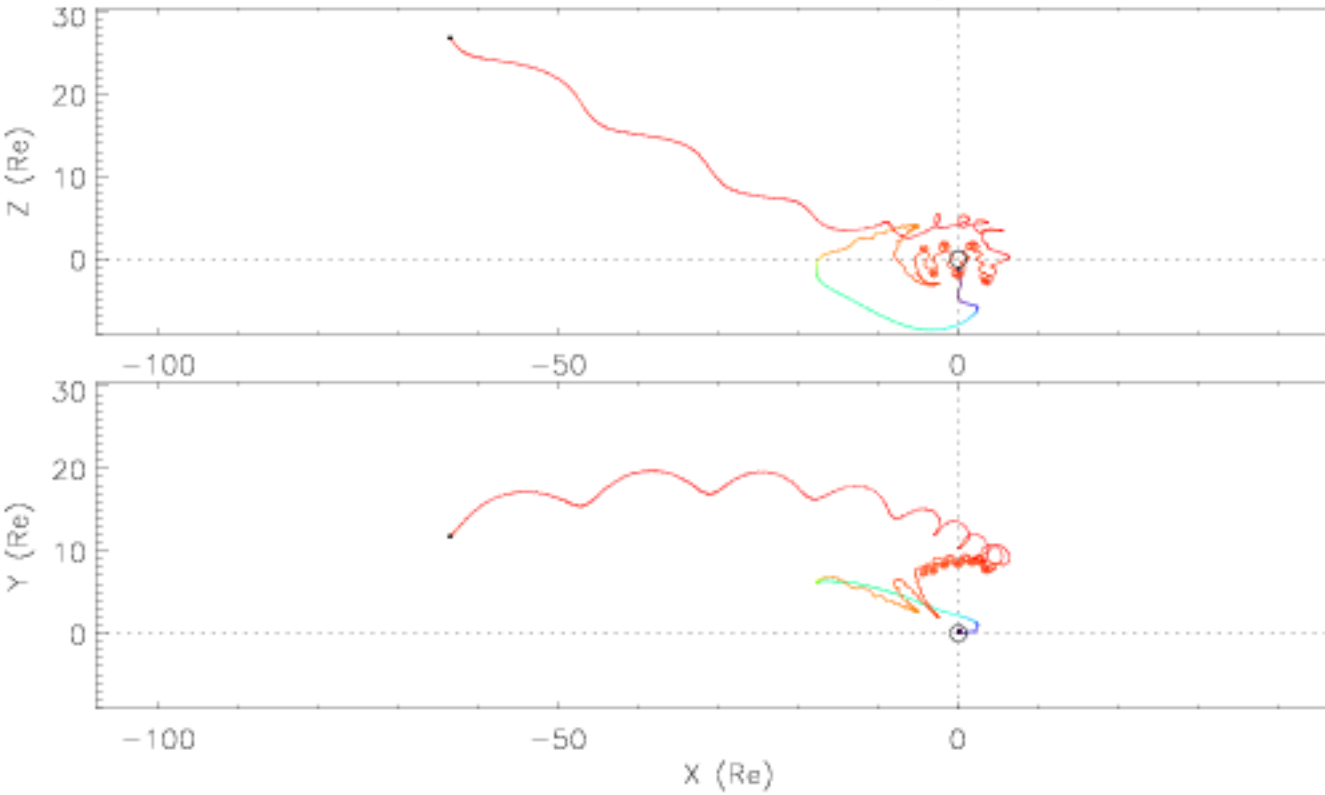

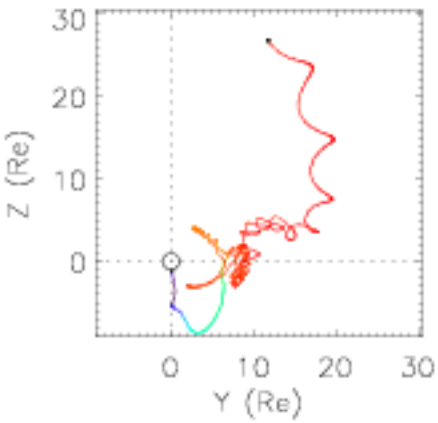

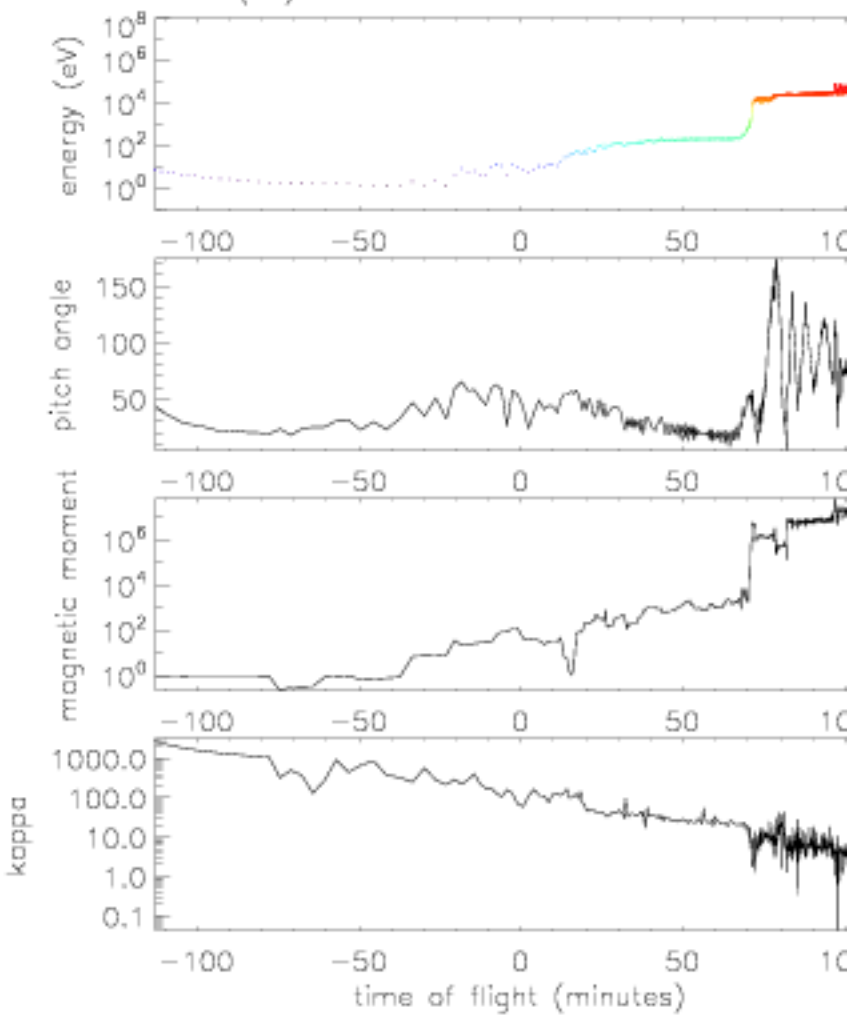

Start, Stop Parameters:

Time (minute): −112.8, 112.4
Magnetic local time: 15.360, 23.300
Magnetic latitude: −84.210, 22.540
Distance (Re): 1.16, 70.00
Energy (eV): 7.78, 33220.00
Pitch angle: 44.010, 170.600
Tilt angle (deg): 0.000

file: particle0012654.full

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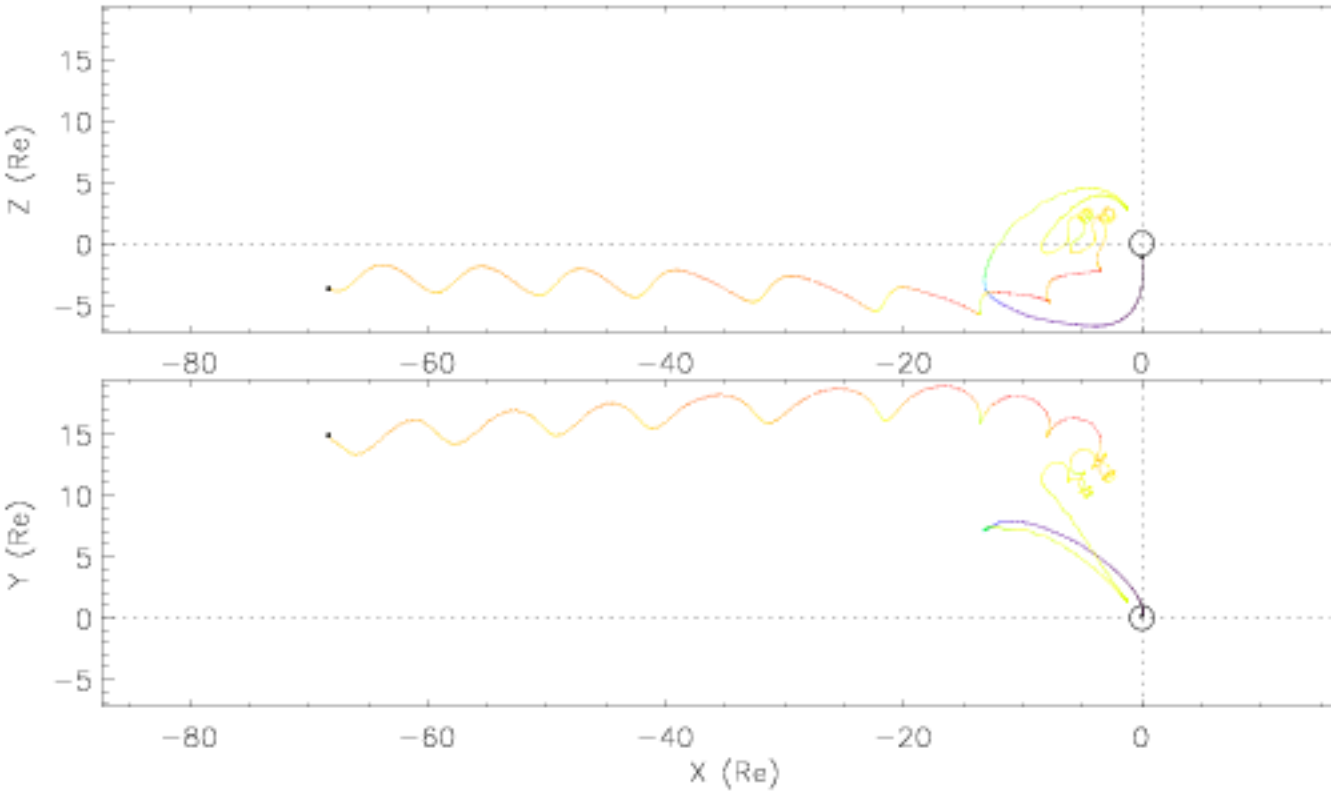

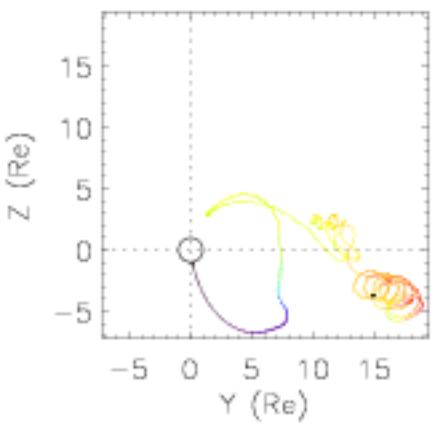

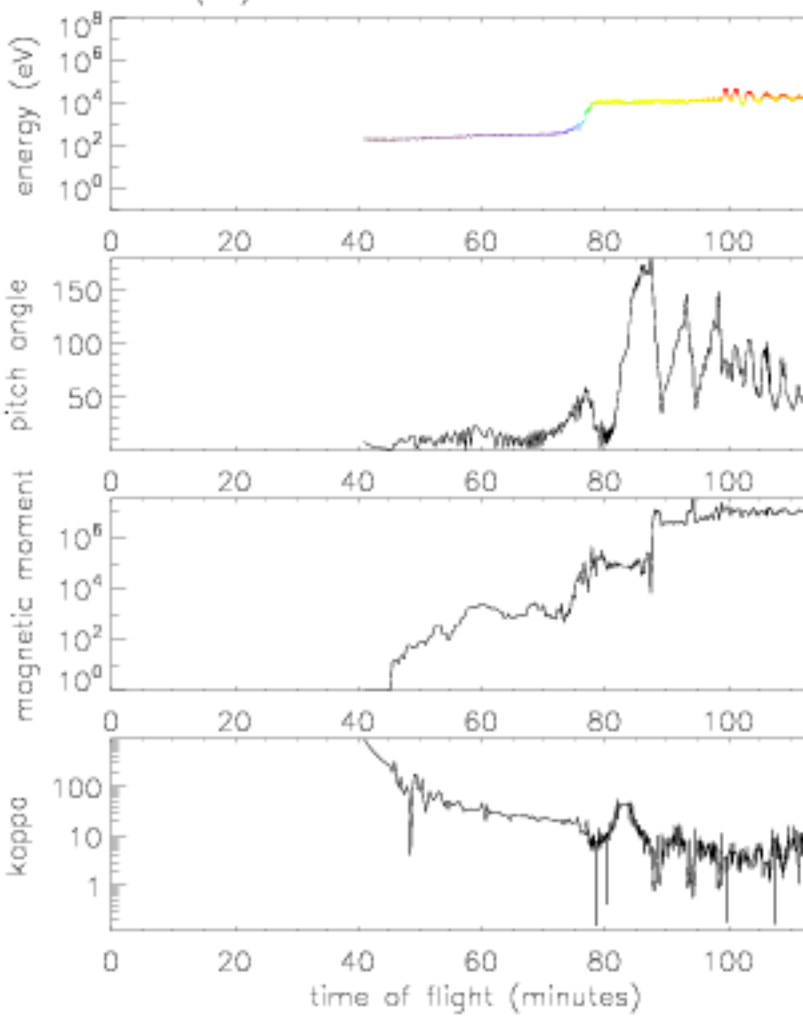

Start, Stop Parameters:

Time (minute): 41.0, 118.3
Magnetic local time: 17.660, 23.180
Magnetic latitude: −81.270, −3.026
Distance (Re): 1.16, 70.02
Energy (eV): 221.50, 17700.00
Pitch angle: 8.523, 41.540
Tilt angle (deg): 0.000

file: particle0013552.full

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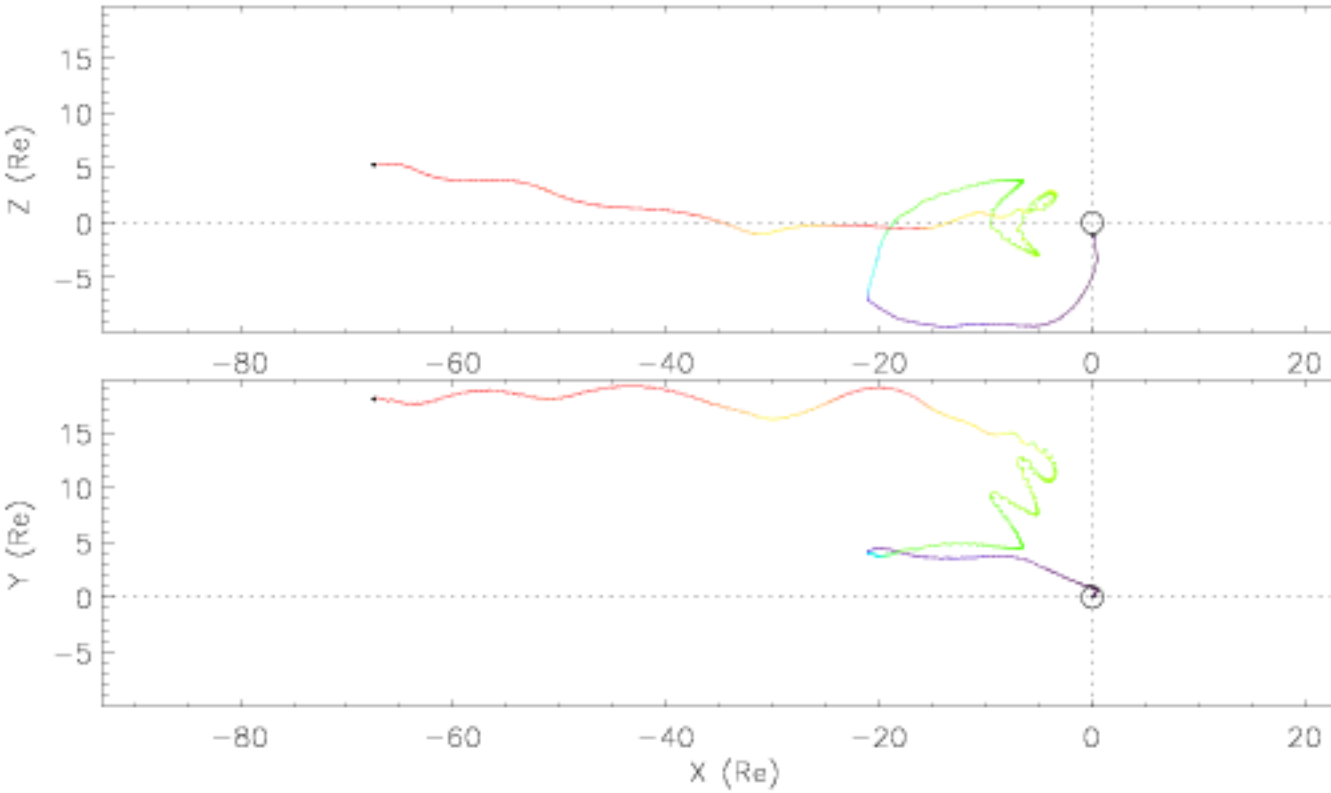

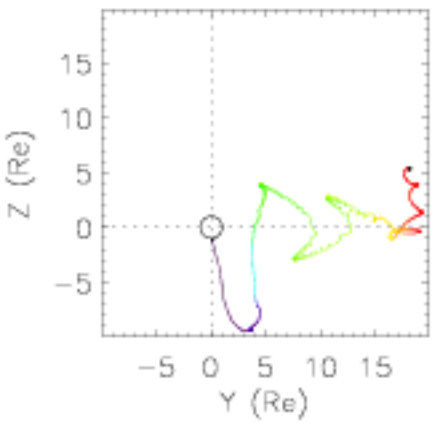

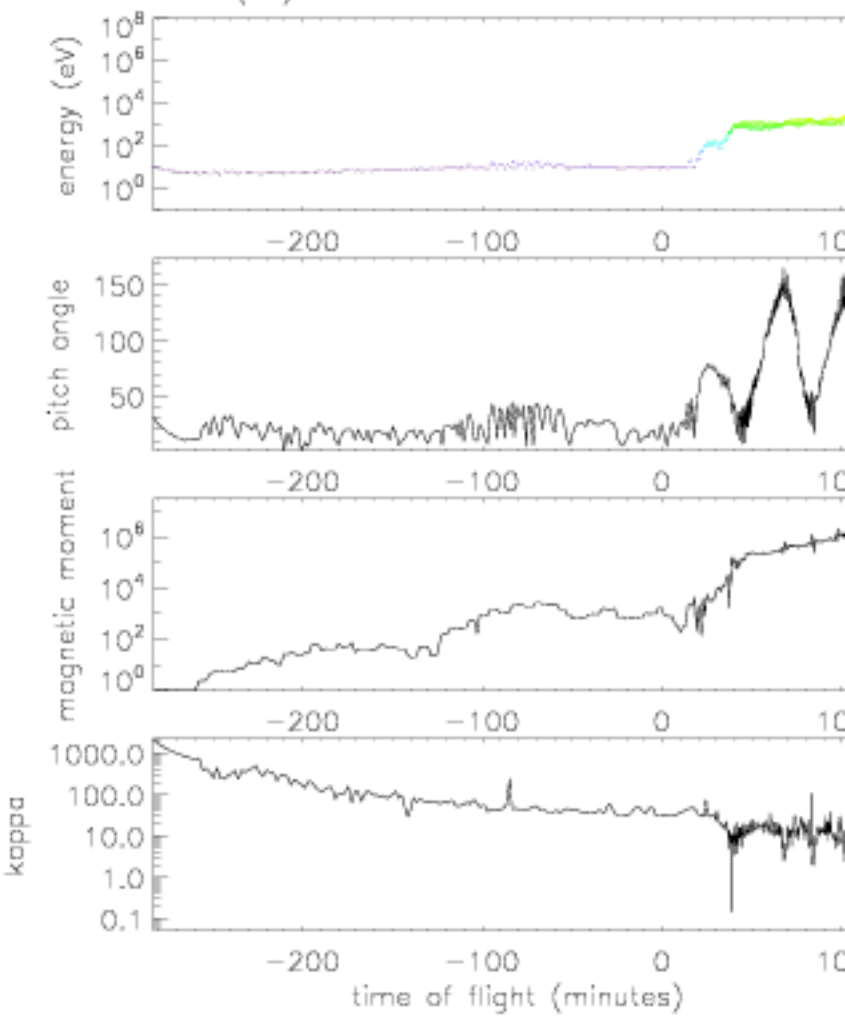

Start, Stop Parameters:

Time (minute): −283.0, 122.9
Magnetic local time: 15.040, 23.000
Magnetic latitude: −82.140, 4.351
Distance (Re): 1.16, 70.01
Energy (eV): 11.20, 16420.00
Pitch angle: 31.270, 153.500
Tilt angle (deg): 0.000

file: particle0013960.full

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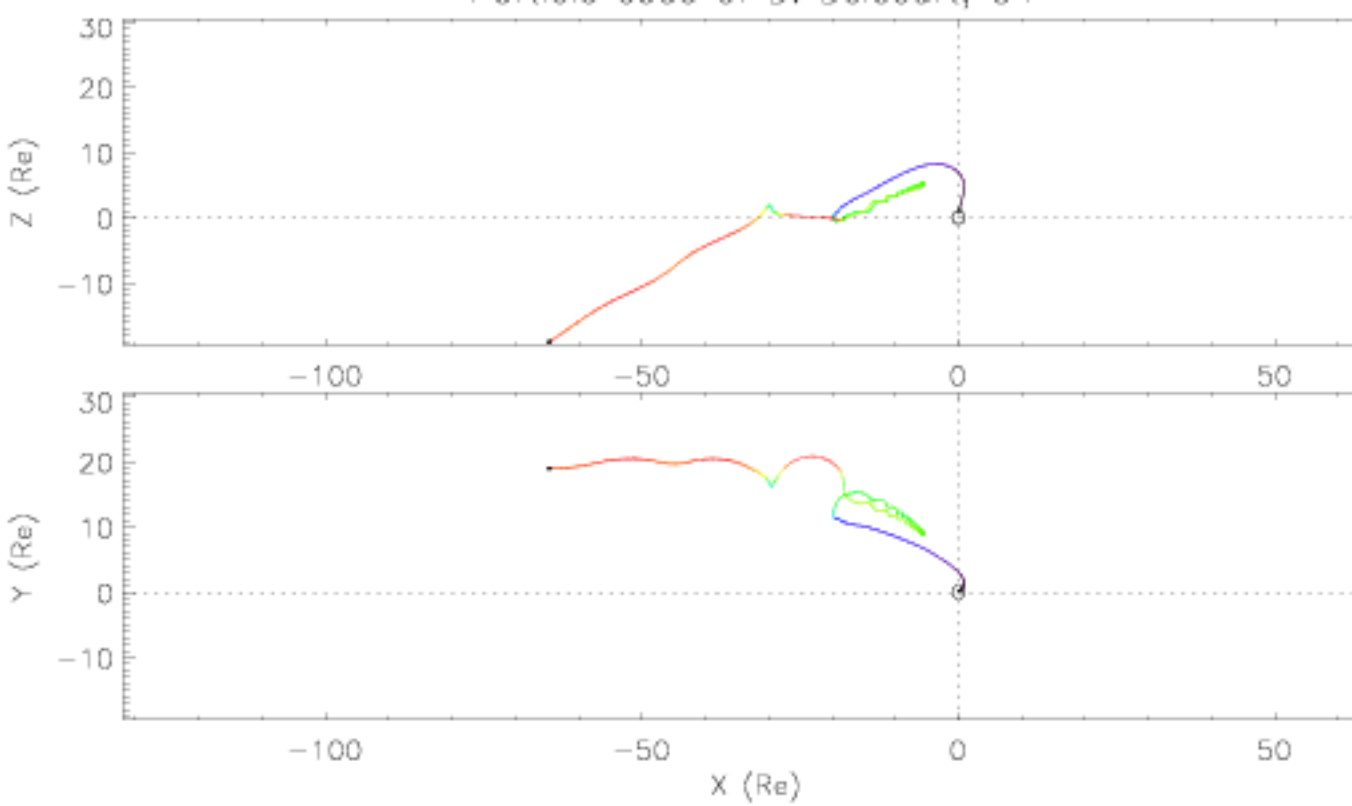

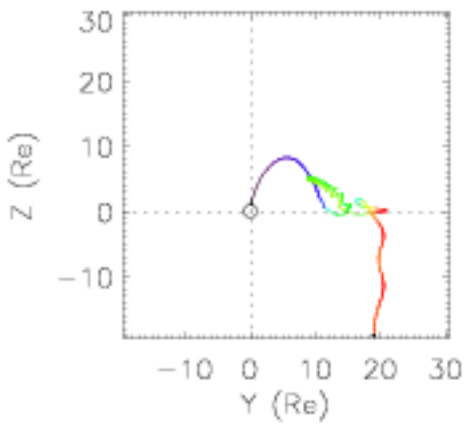

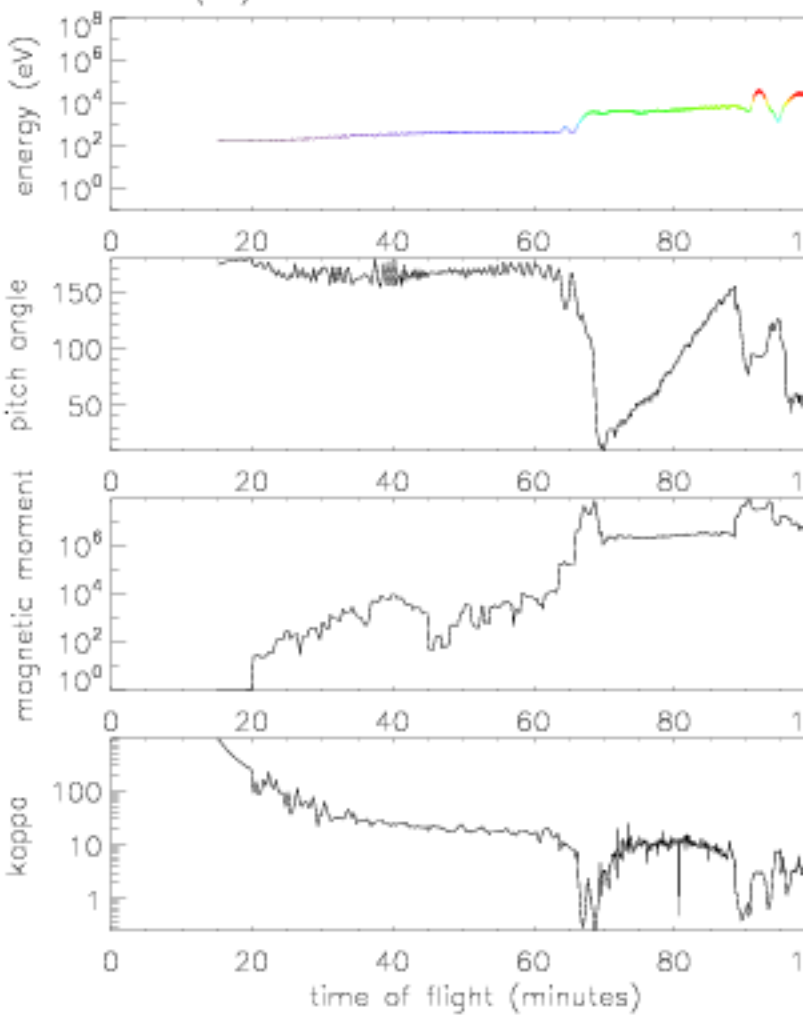

Start, Stop Parameters:

Time (minute): 15.2, 103.7
Magnetic local time: 15.130, 22.910
Magnetic latitude: 80.080,−15.790
Distance (Re): 1.16, 70.01
Energy (eV): 187.50, 25370.00
Pitch angle: 173.800, 39.880
Tilt angle (deg): 0.000

file: particle0014331.full

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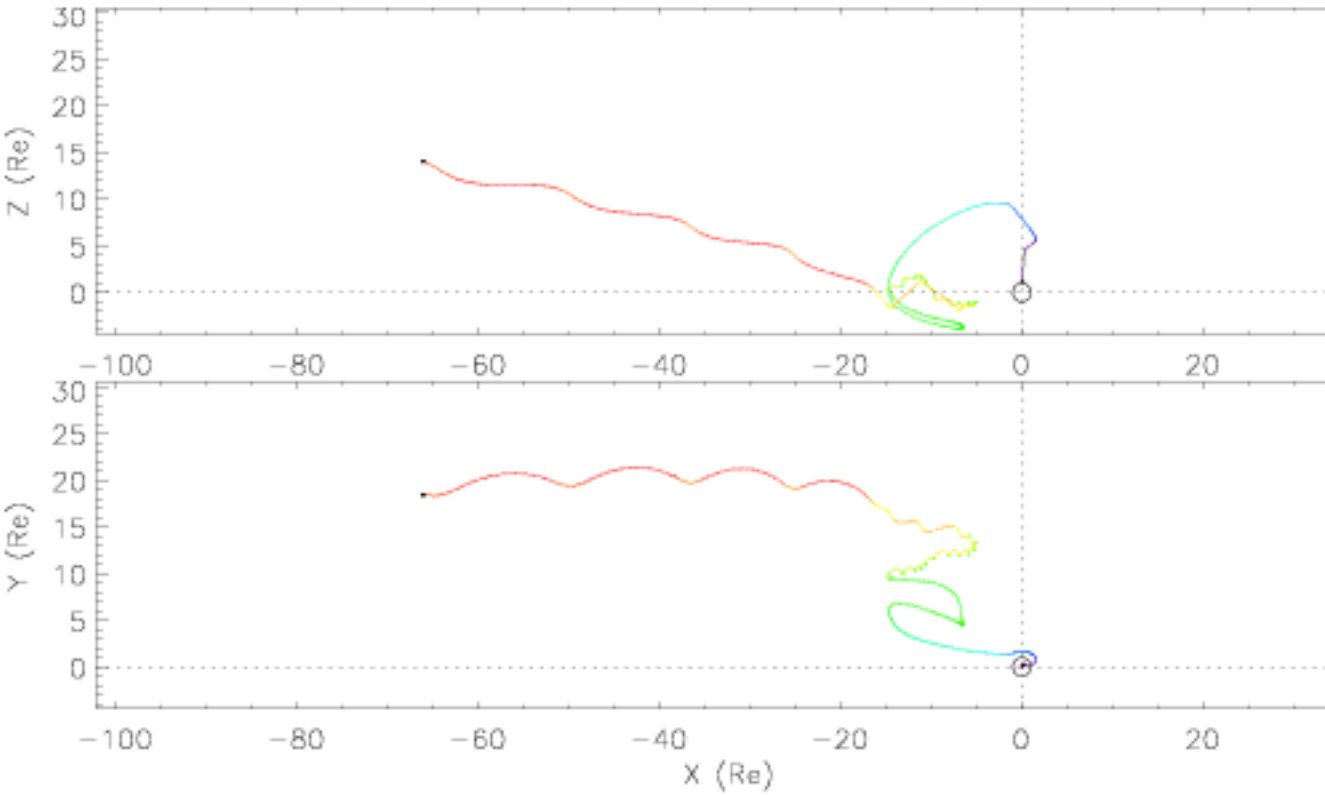
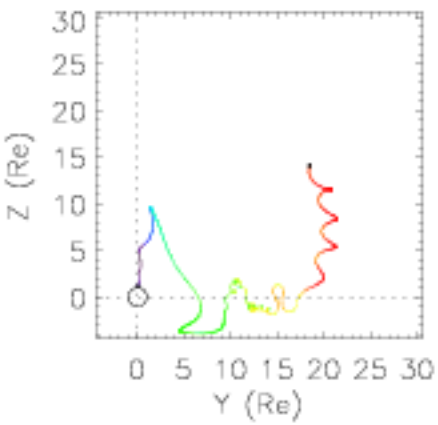
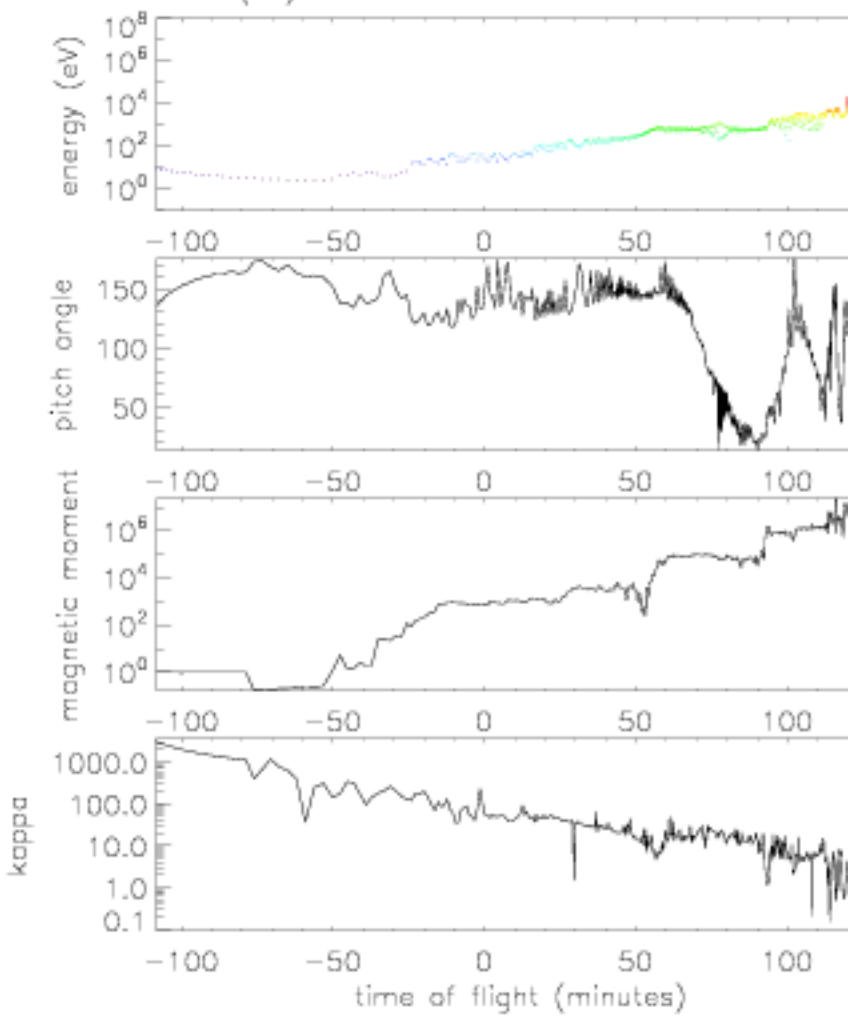




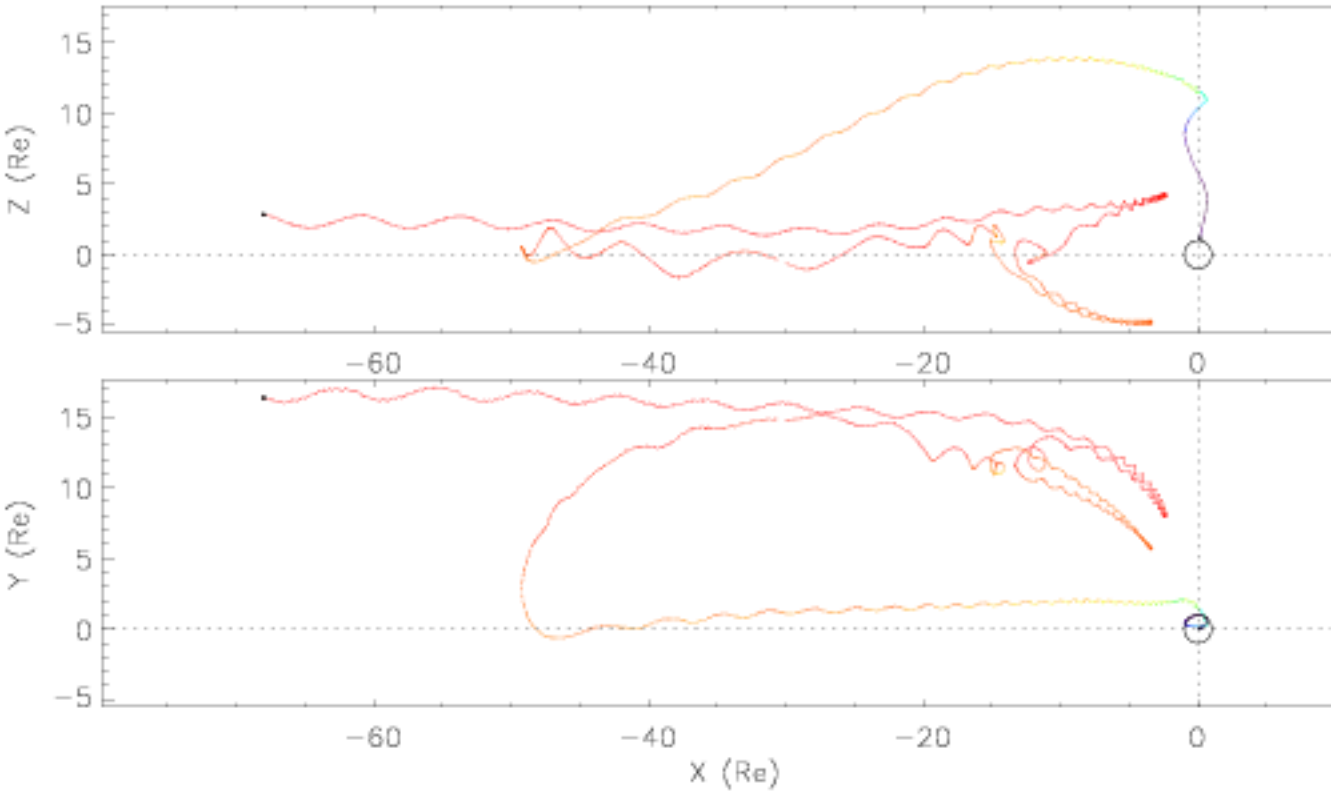


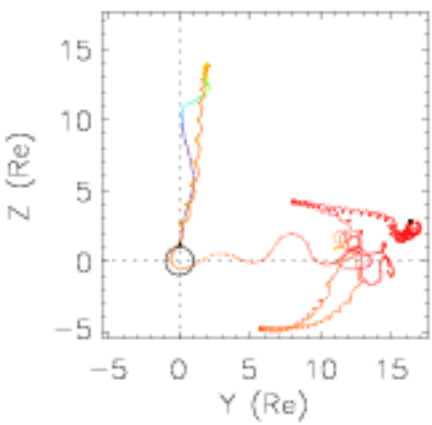
Start, Stop Parameters:

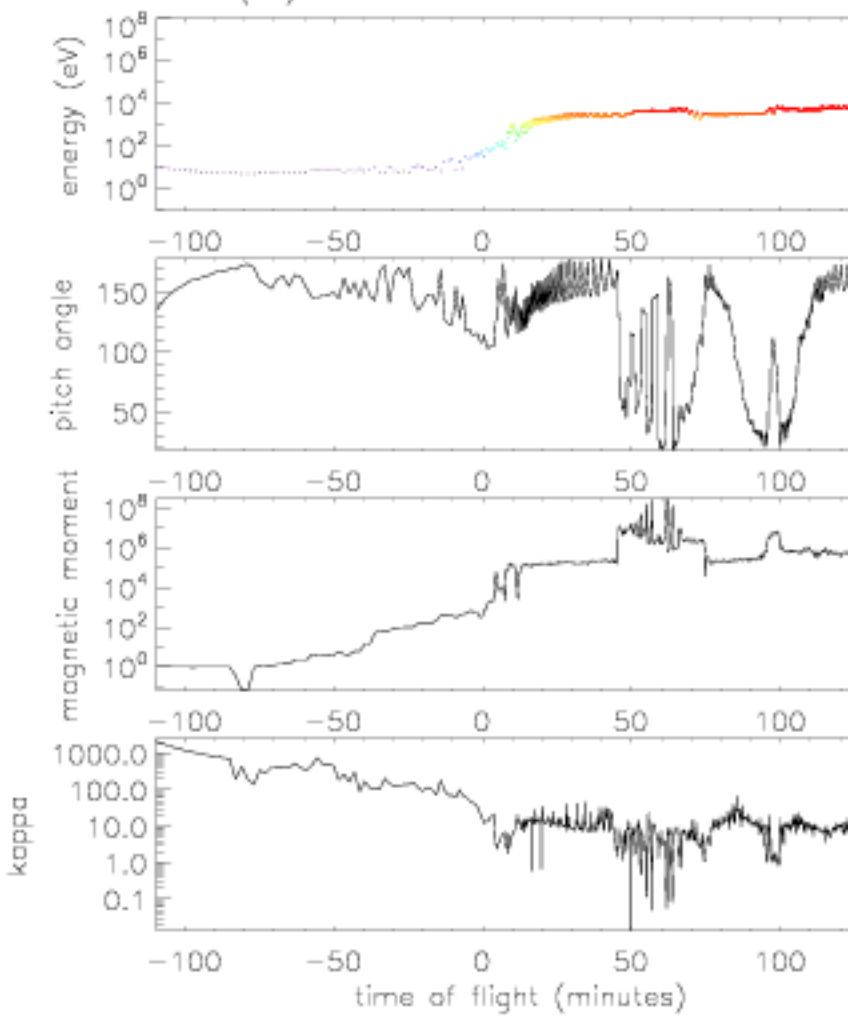
Time (minute): −108.3, 132.6
Magnetic local time: 15.480, 22.960
Magnetic latitude: 85.910, 11.600
Distance (Re): 1.16, 70.01
Energy (eV): 9.20, 12230.00
Pitch angle: 135.200, 149.300
Tilt angle (deg): 0.000

file: particle0016033.full

Fri Mar 10 13:37:56 2006







Start, Stop Parameters:

Time (minute): −109.5, 135.5
Magnetic local time: 13.610, 23.100
Magnetic latitude: 82.500, 2.310
Distance (Re): 1.16, 70.00
Energy (eV): 11.47, 7137.00
Pitch angle: 134.900, 164.200
Tilt angle (deg): 0.000

file: particle0016981.full

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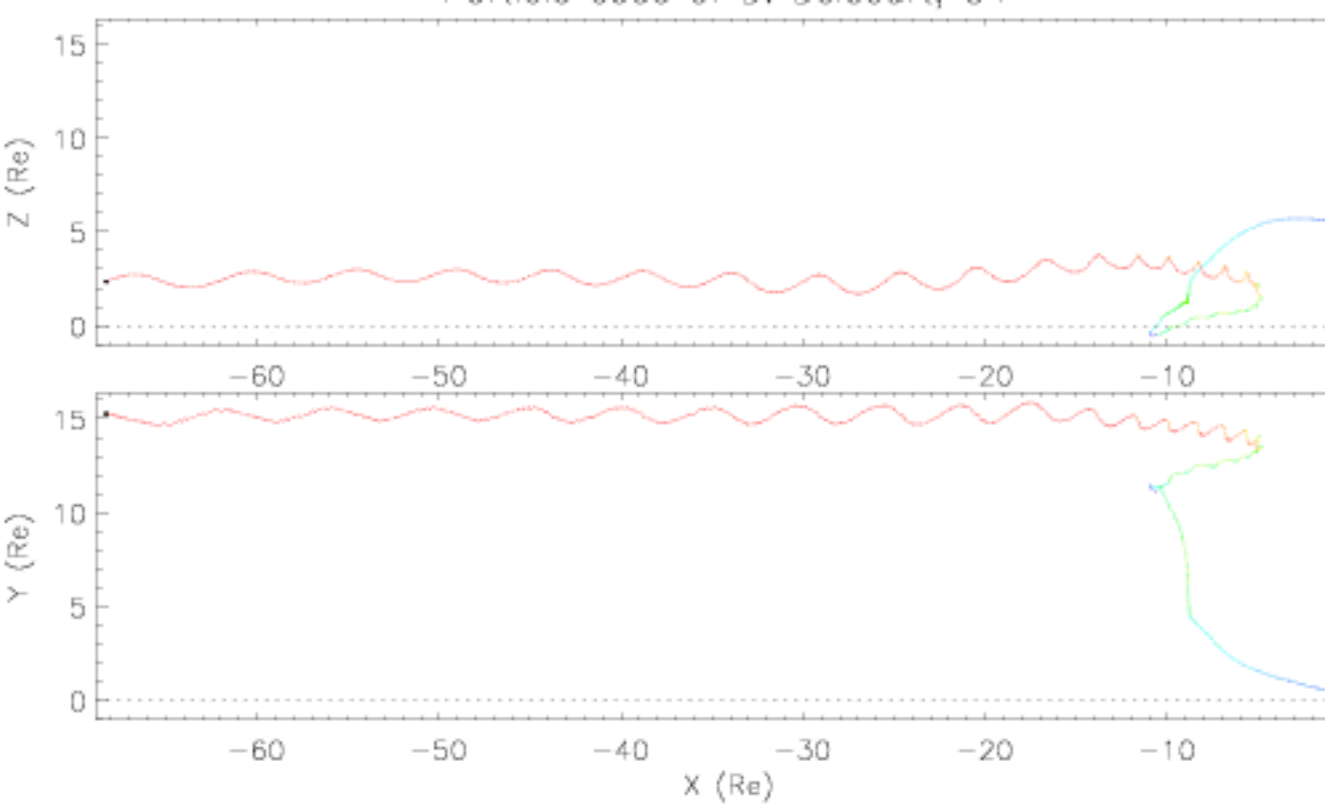

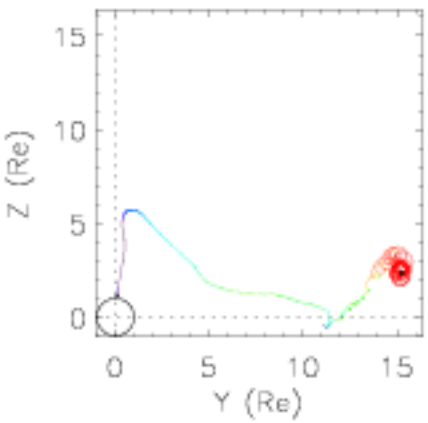

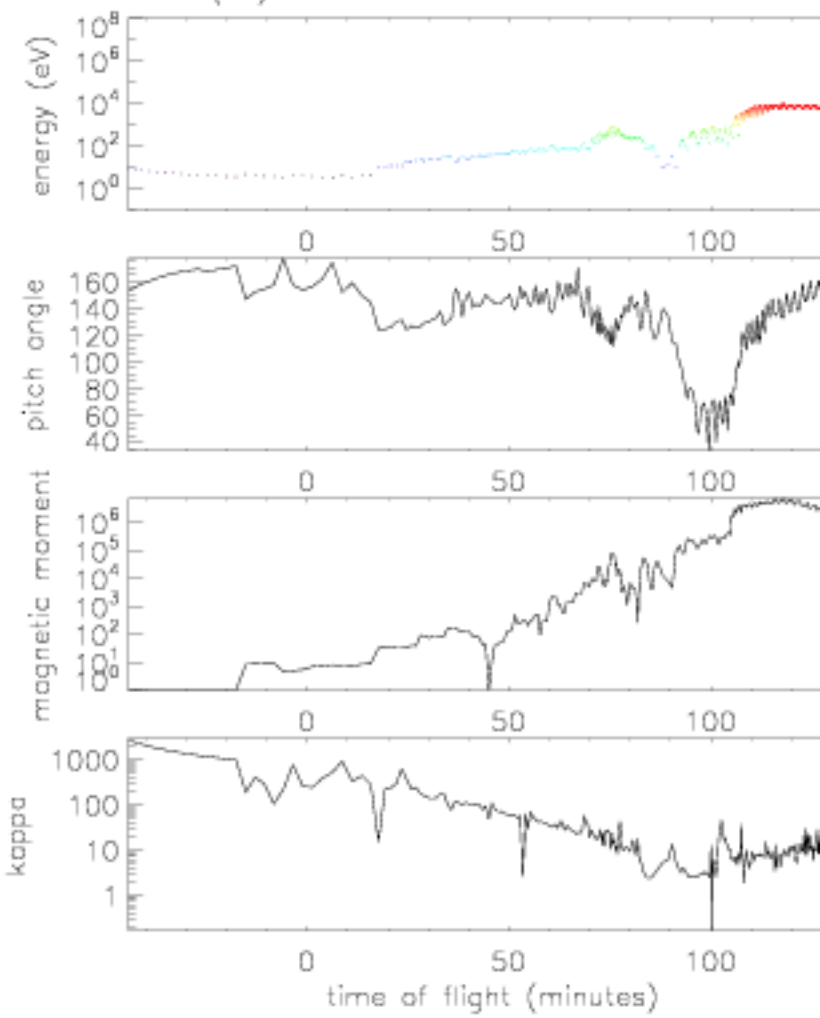

Start, Stop Parameters:

Time (minute): −44.3, 136.5
Magnetic local time: 15.910, 23.160
Magnetic latitude: 84.770, 1.924
Distance (Re): 1.16, 70.00
Energy (eV): 9.53, 7066.00
Pitch angle: 152.500, 153.300
Tilt angle (deg): 0.000

file: particle0017573.full

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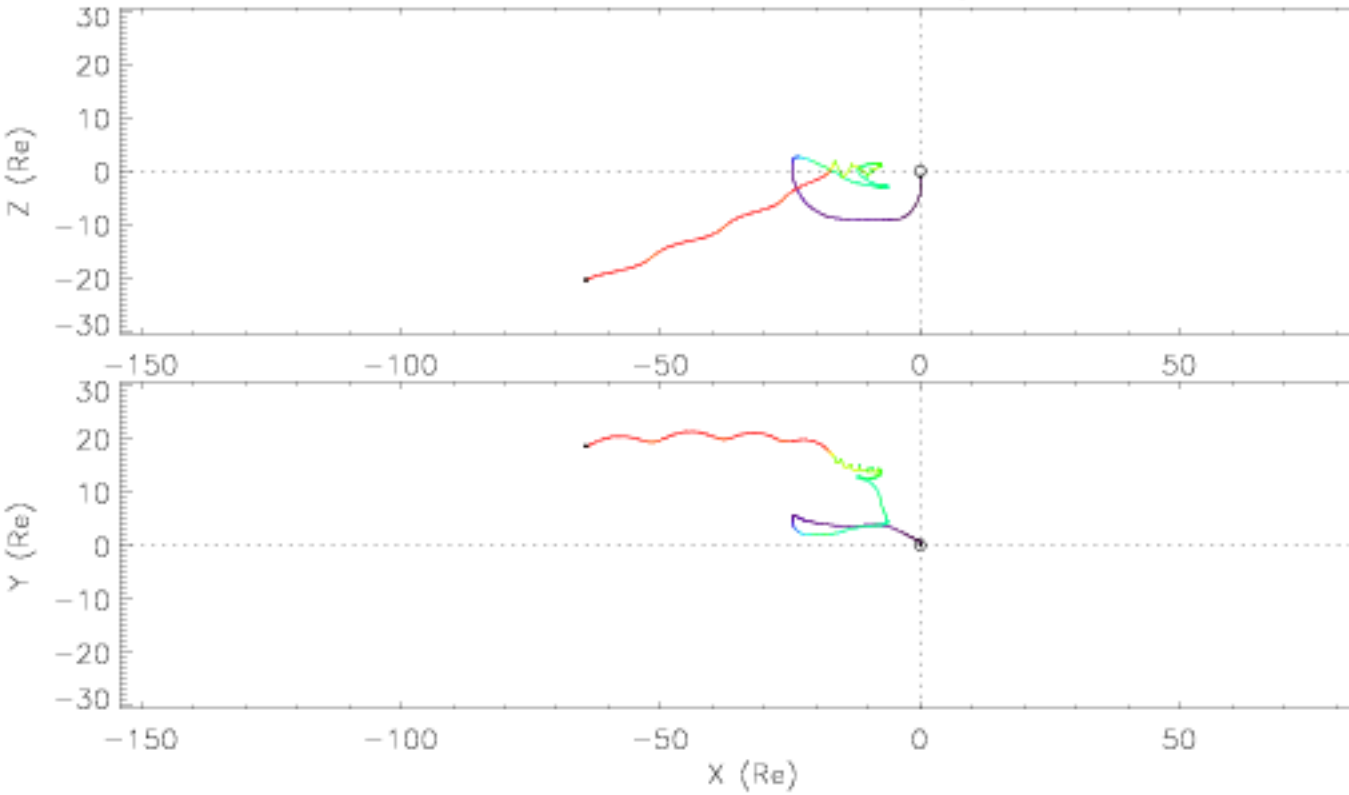

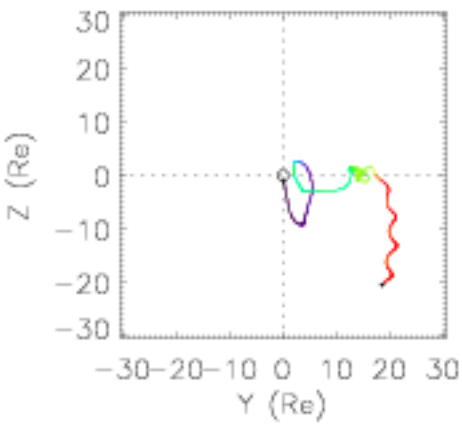

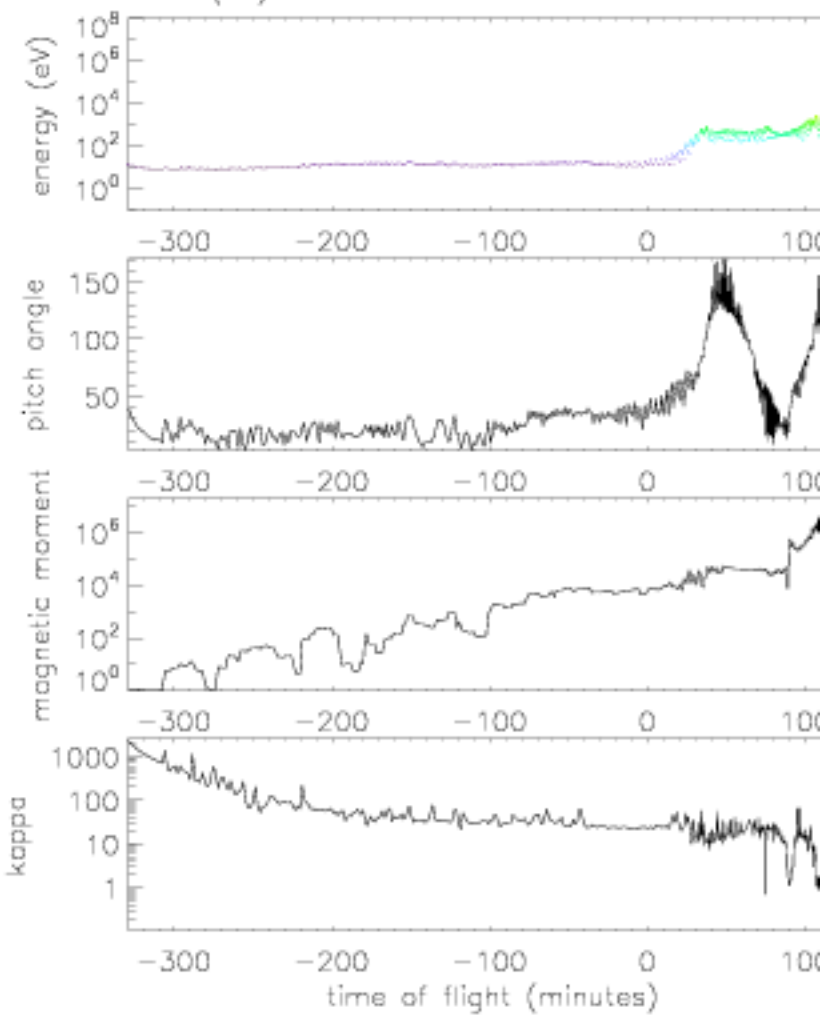

Start, Stop Parameters:

Time (minute): −329.0, 133.3
Magnetic local time: 16.510, 22.930
Magnetic latitude: −83.770, −16.940
Distance (Re): 1.16, 70.01
Energy (eV): 13.91, 15560.00
Pitch angle: 38.930, 38.210
Tilt angle (deg): 0.000

file: particle0018316.full

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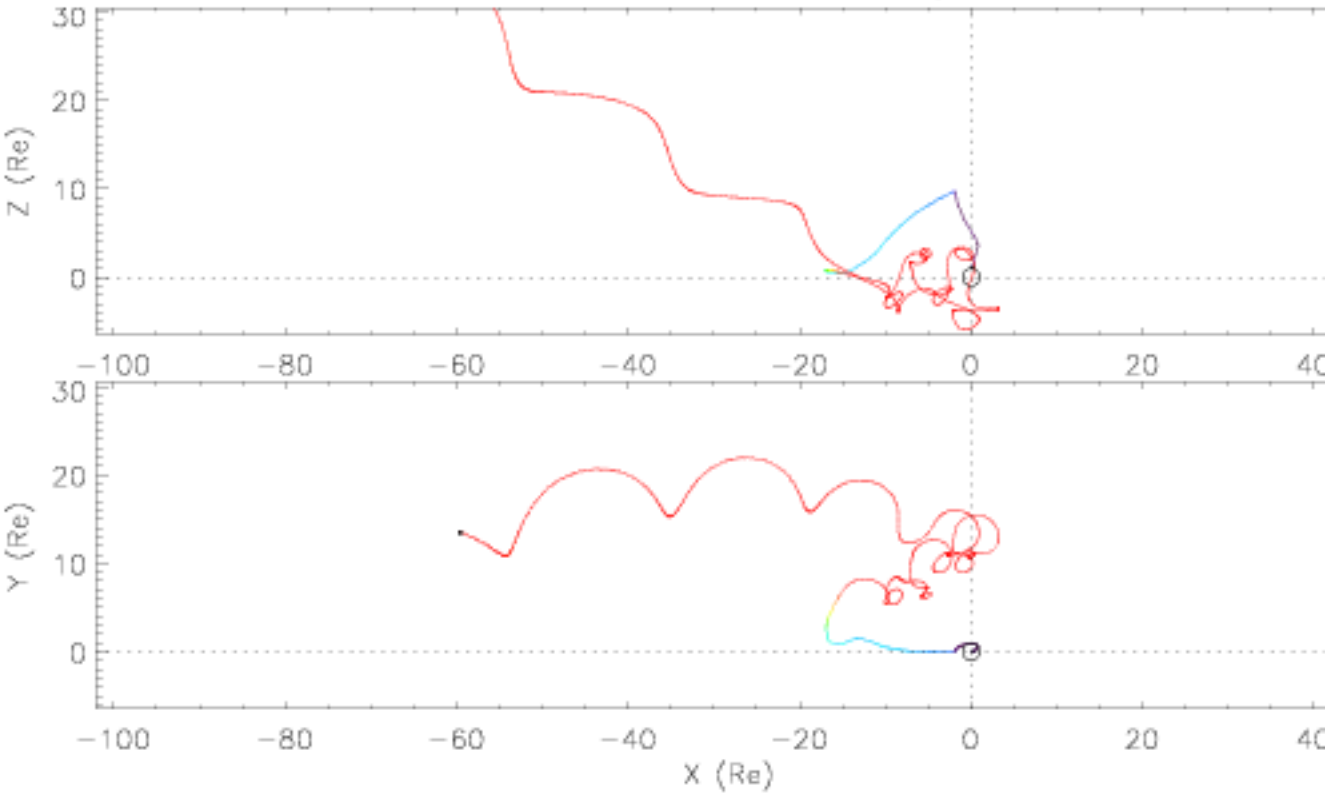

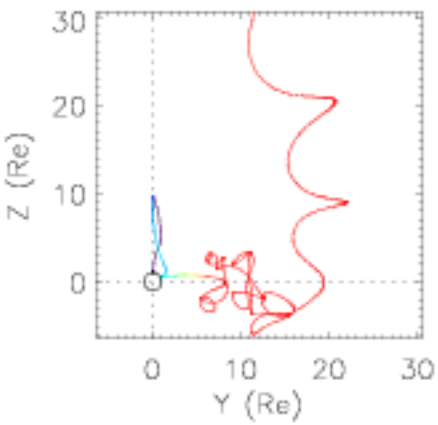

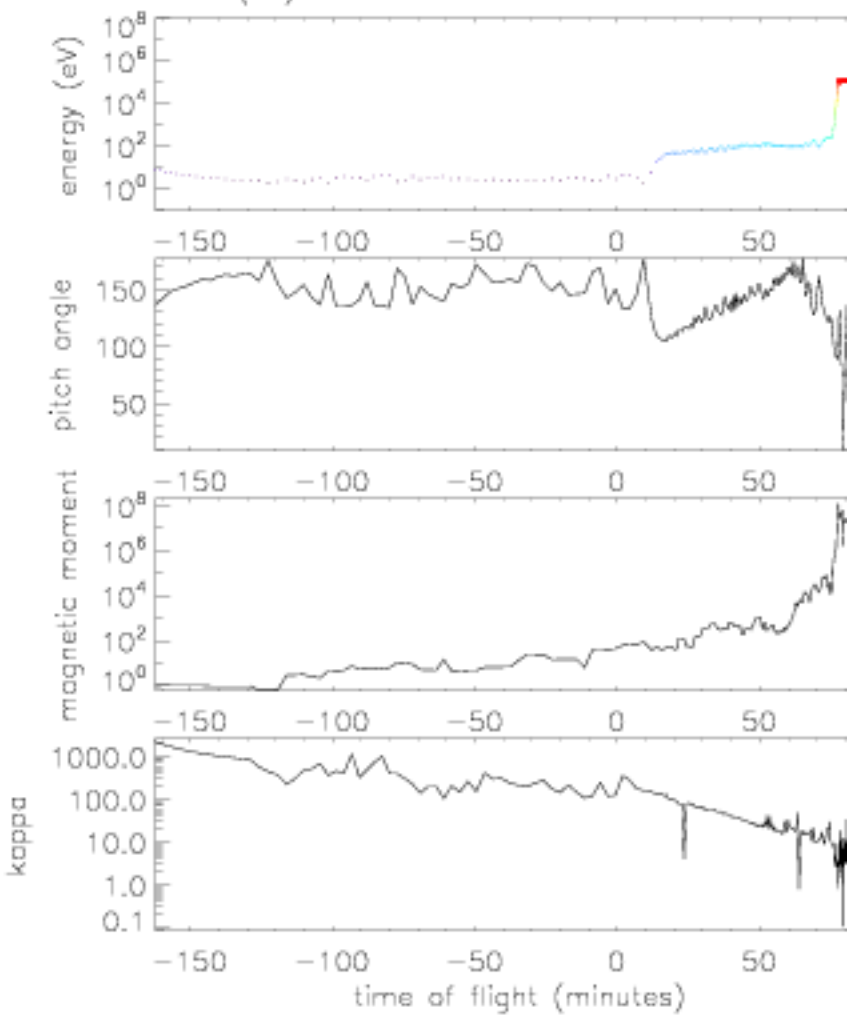

Start, Stop Parameters:

Time (minute): −162.1, 94.1
Magnetic local time: 12.910, 23.150
Magnetic latitude: 81.950, 29.220
Distance (Re): 1.16, 70.01
Energy (eV): 8.16, 142900.00
Pitch angle: 136.400, 131.800
Tilt angle (deg): 0.000

file: particle0018733.full

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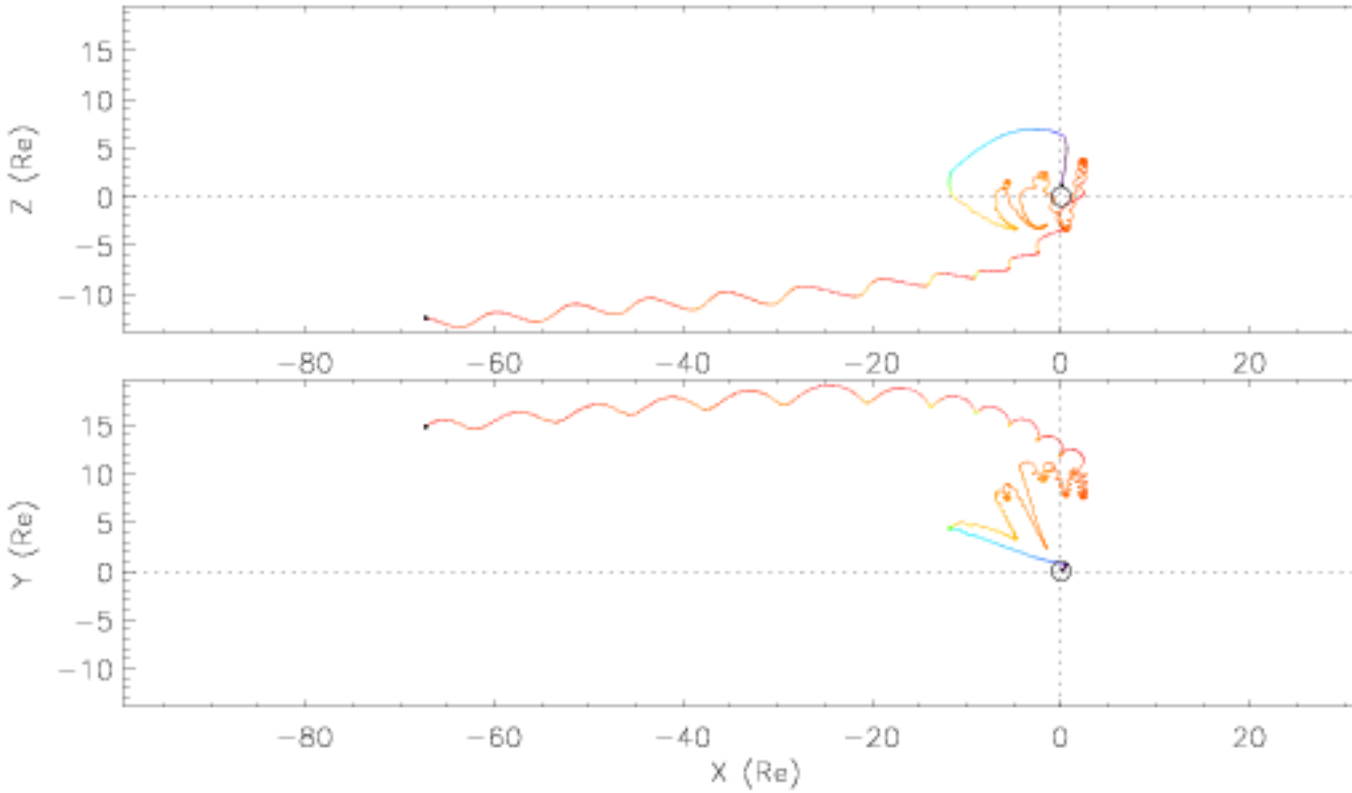

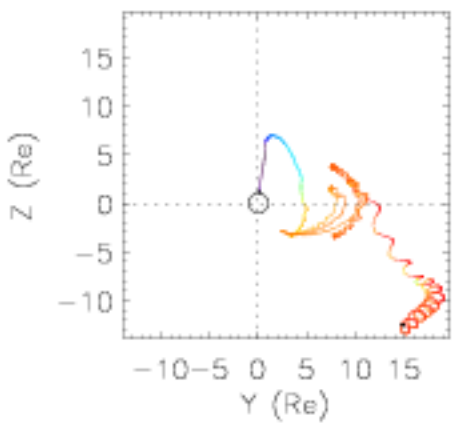

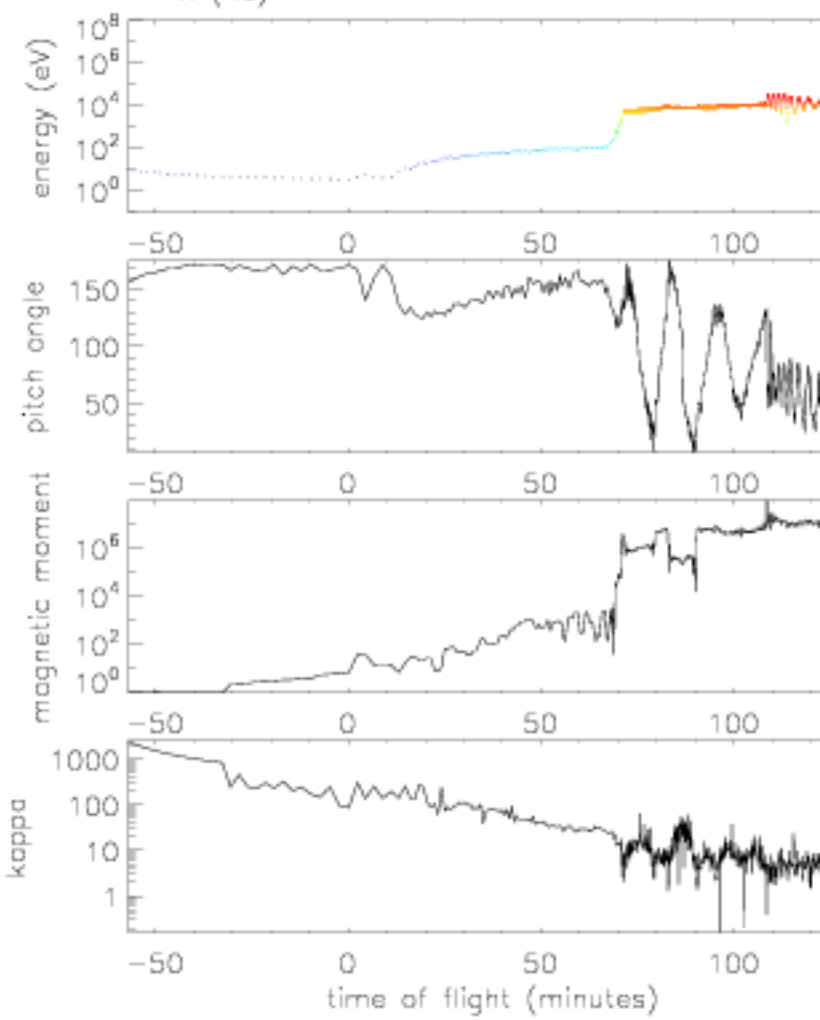

Start, Stop Parameters:

Time (minute): −57.0, 132.3
Magnetic local time: 14.320, 23.170
Magnetic latitude: 84.060,−10.280
Distance (Re): 1.16, 70.00
Energy (eV): 10.64, 17580.00
Pitch angle: 156.200, 33.390
Tilt angle (deg): 0.000

file: particle0018871.full

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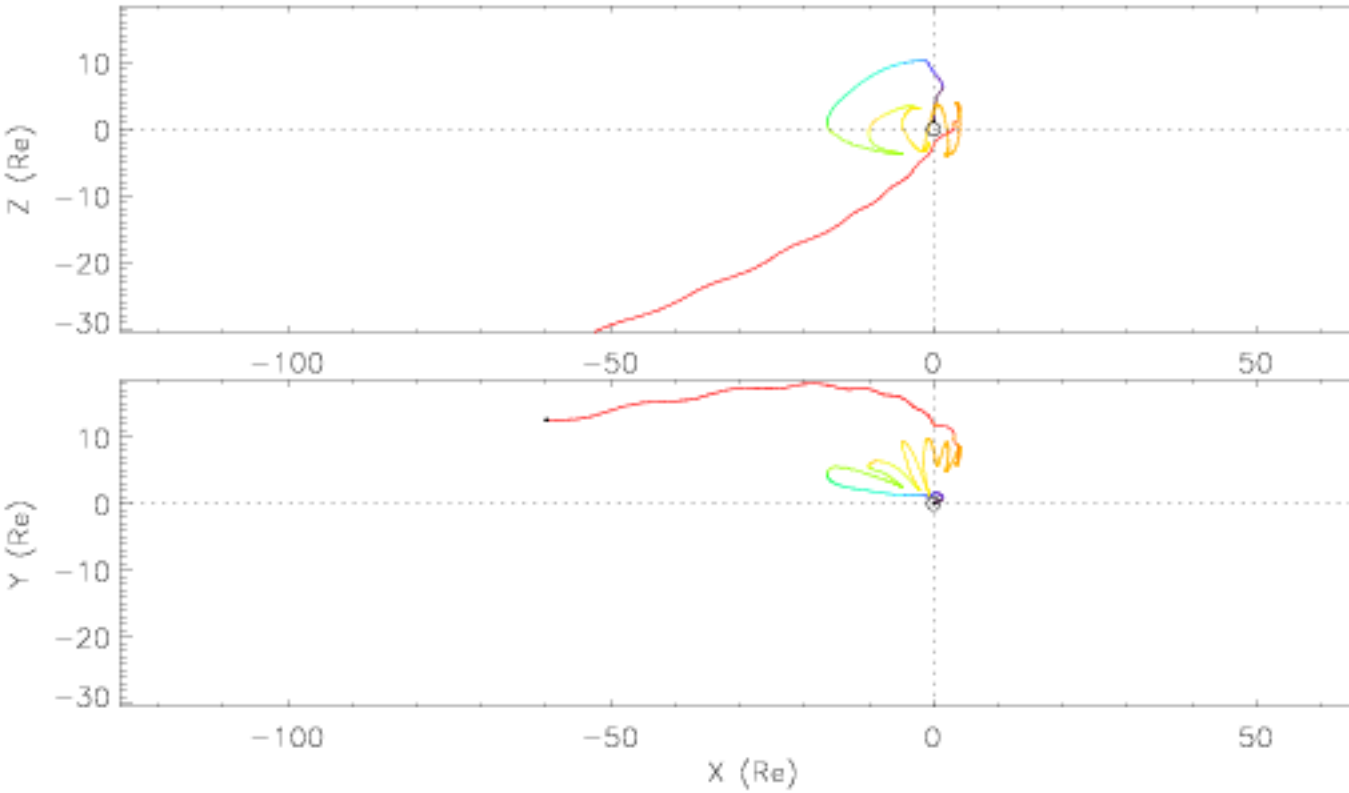

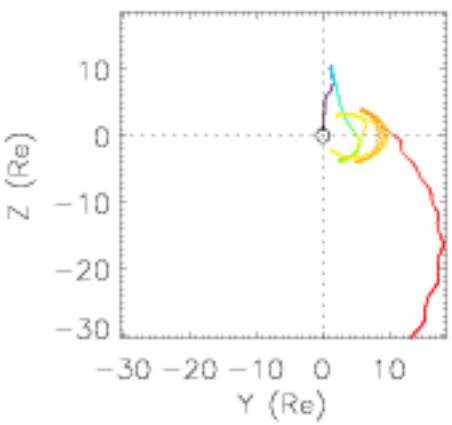

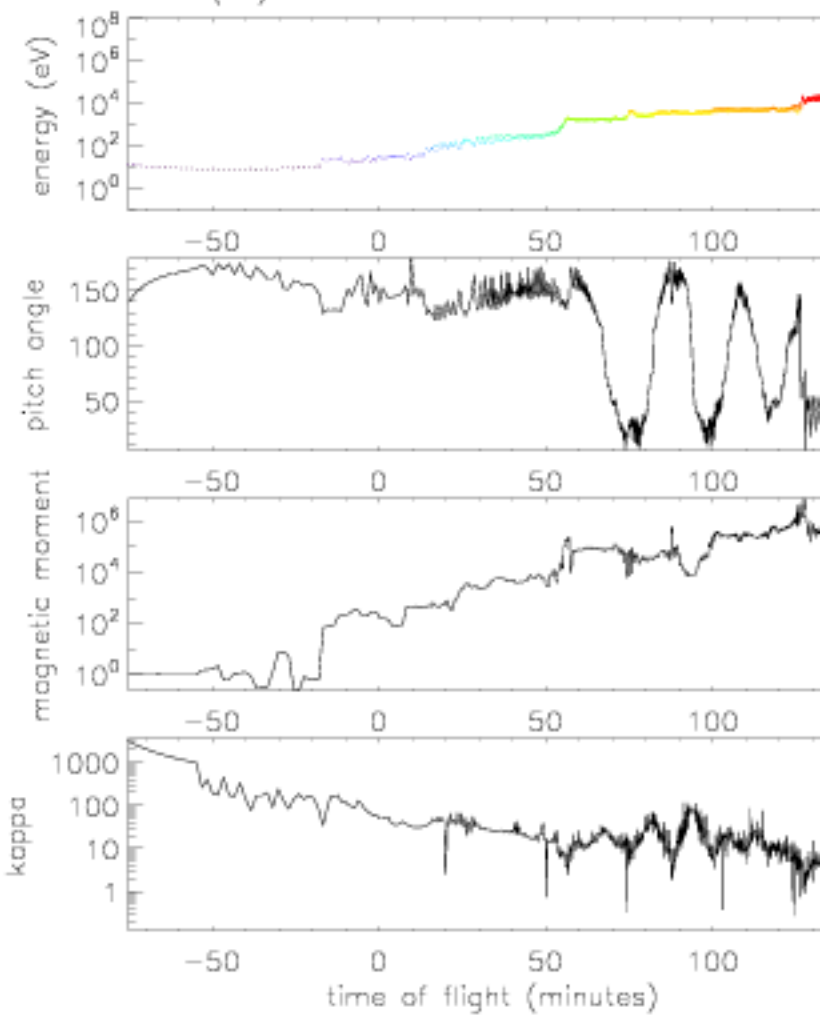

Start, Stop Parameters:

Time (minute): −75.0, 143.5
Magnetic local time: 14.780, 23.210
Magnetic latitude: 86.830,−29.080
Distance (Re): 1.16, 70.01
Energy (eV): 14.91, 21830.00
Pitch angle: 139.600, 41.700
Tilt angle (deg): 0.000

file: particle0019085.full

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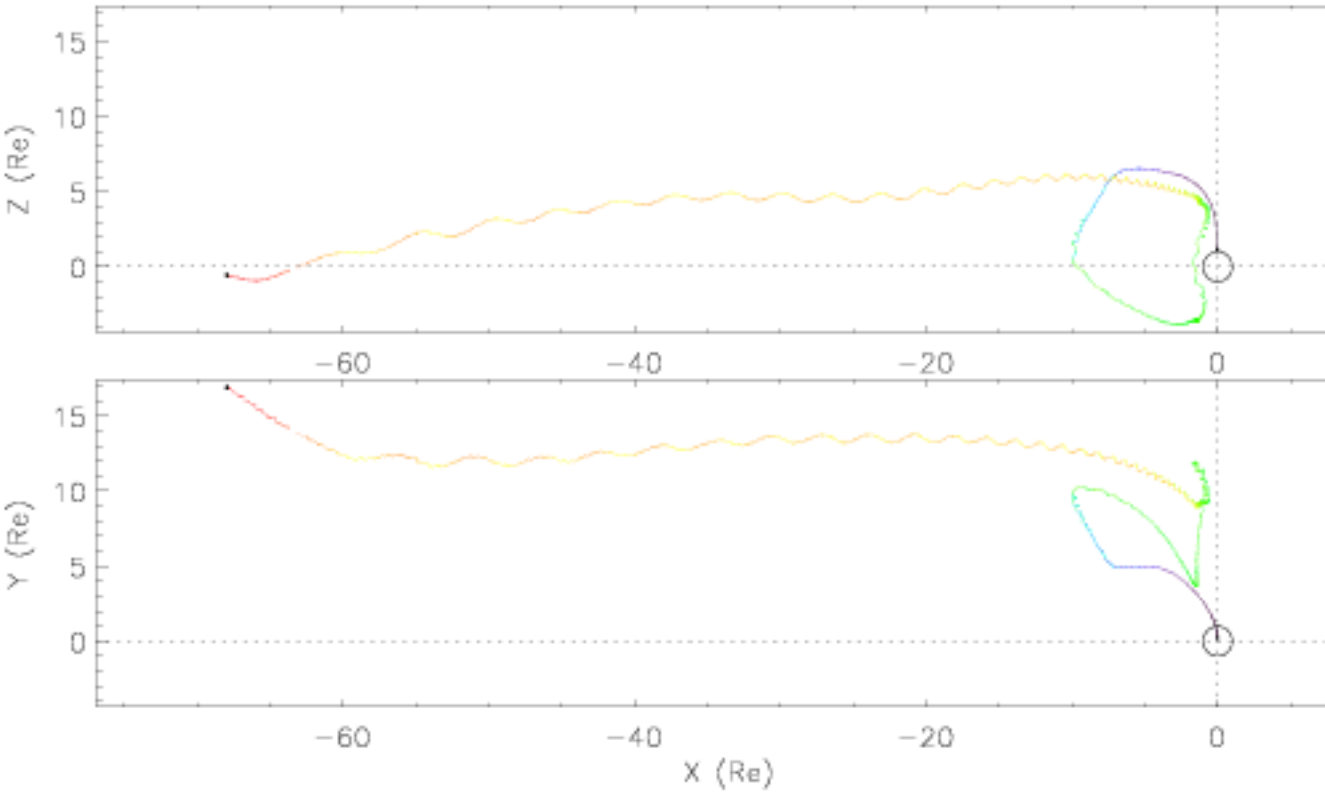

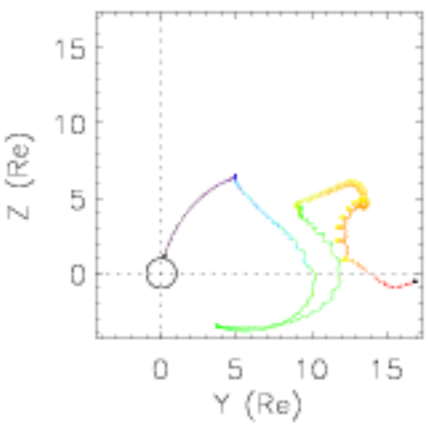

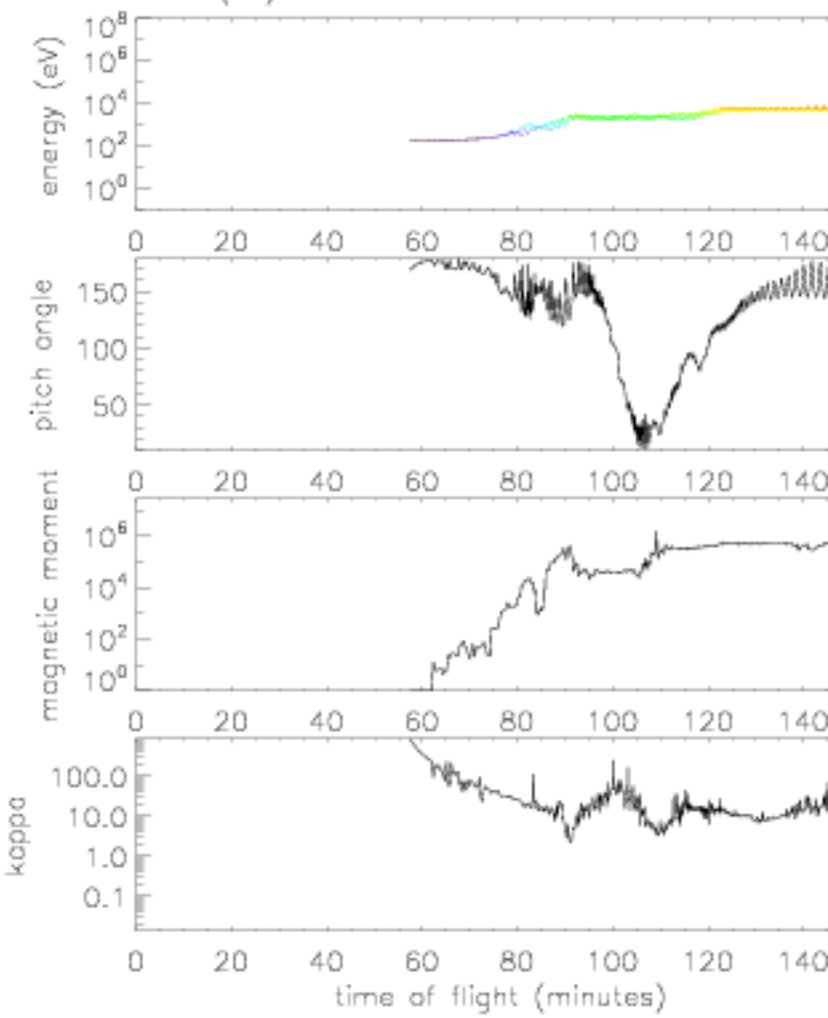

Start, Stop Parameters:

Time (minute): 57.4, 153.2
Magnetic local time: 18.450, 23.070
Magnetic latitude: 78.940, −0.458
Distance (Re): 1.16, 70.01
Energy (eV): 196.90, 13700.00
Pitch angle: 168.400, 66.380
Tilt angle (deg): 0.000

file: particle0019701.full

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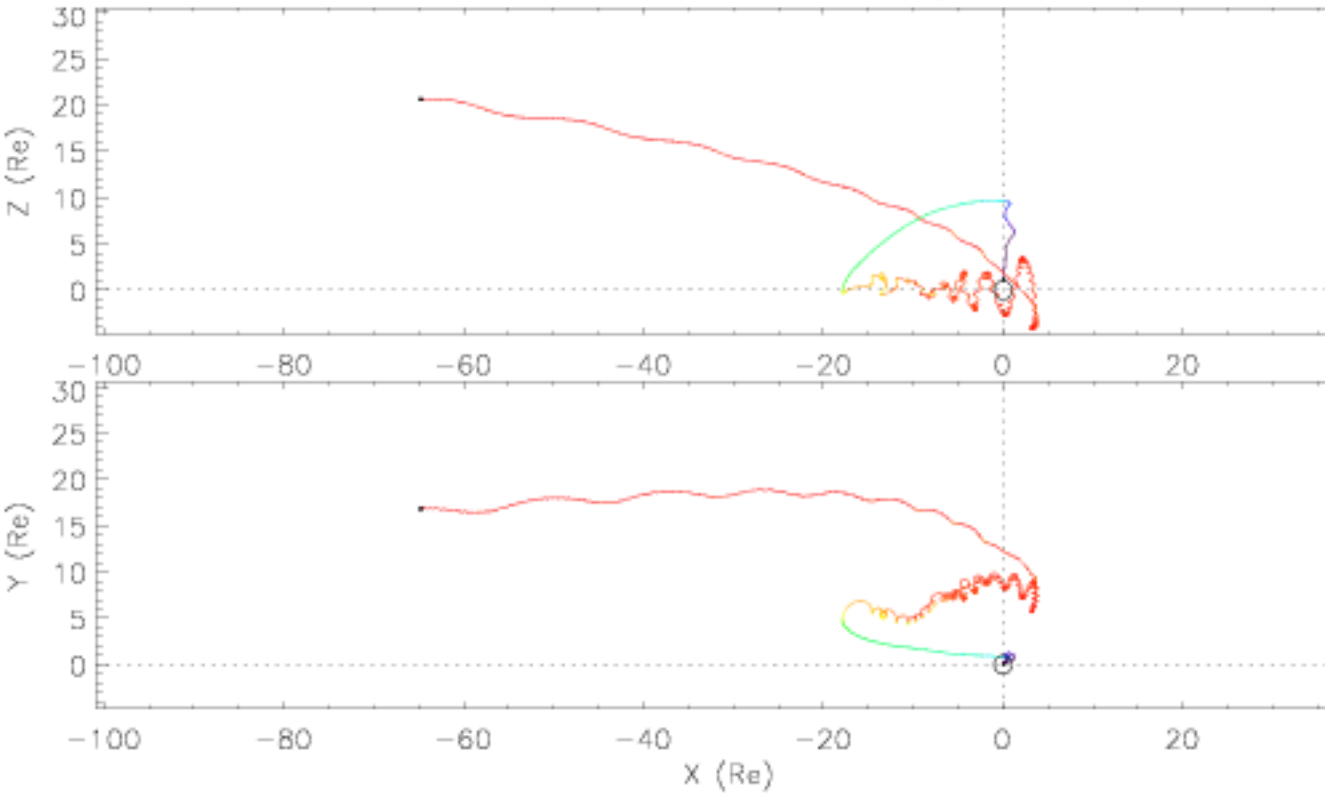

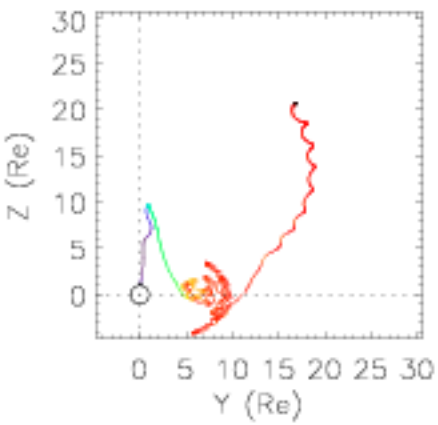

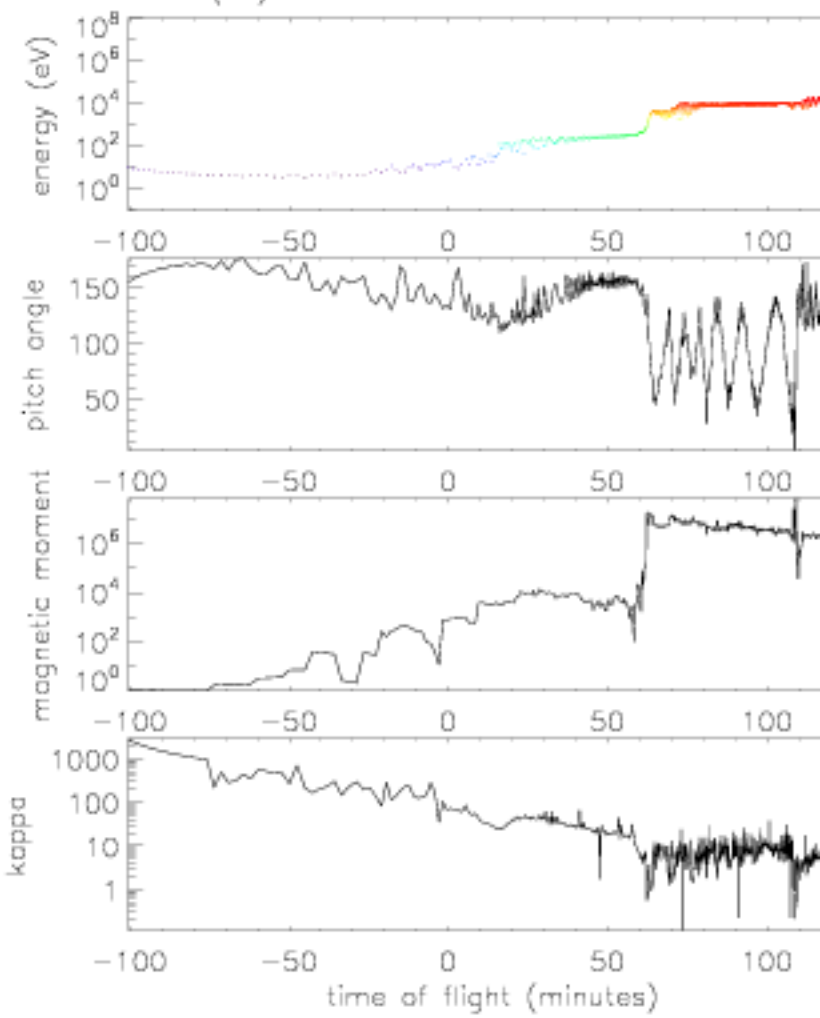

Start, Stop Parameters:

Time (minute): −100.4, 128.5
Magnetic local time: 15.330, 23.030
Magnetic latitude: 85.300, 17.130
Distance (Re): 1.16, 70.01
Energy (eV): 10.47, 17490.00
Pitch angle: 155.000, 136.400
Tilt angle (deg): 0.000

file: particle0022677.full

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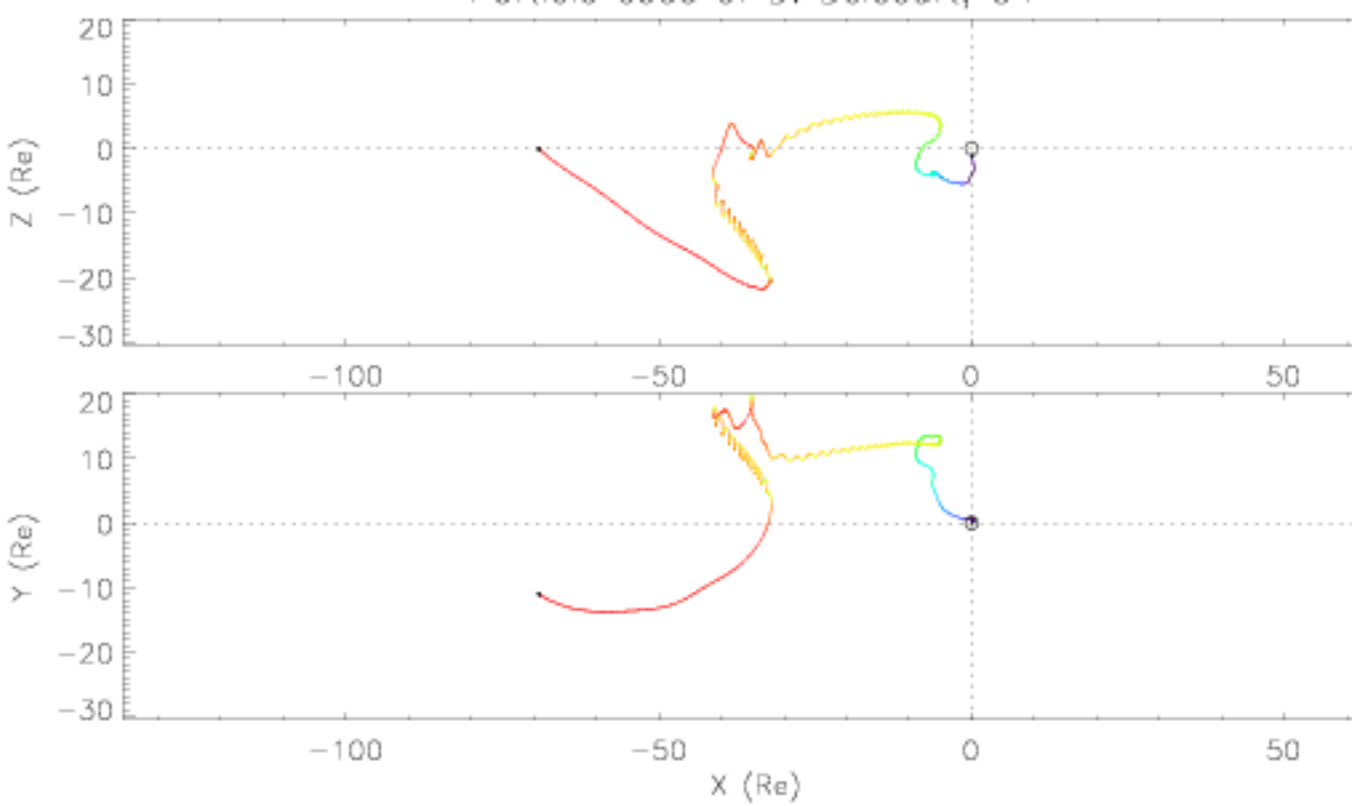

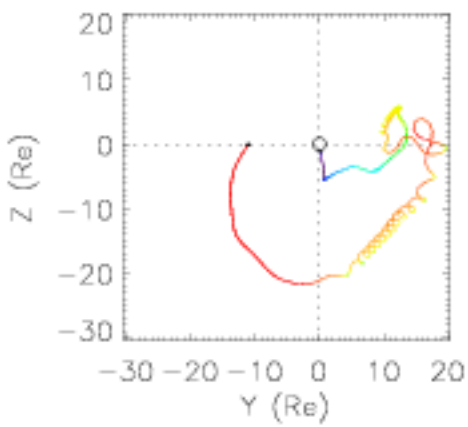

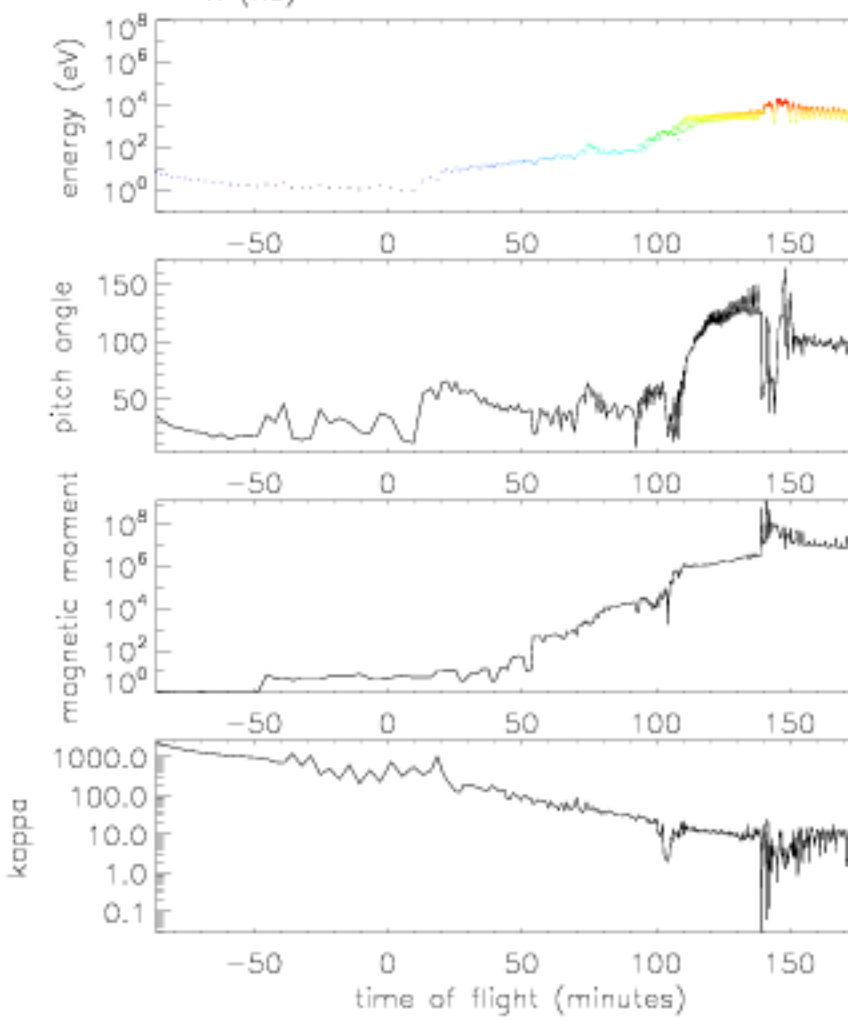

Start, Stop Parameters:

Time (minute): −86.5, 185.8
Magnetic local time: 14.930, 0.605
Magnetic latitude: −82.600, −0.053
Distance (Re): 1.16, 70.01
Energy (eV): 7.41, 26990.00
Pitch angle: 35.230, 48.880
Tilt angle (deg): 0.000

file: particle0023302.full

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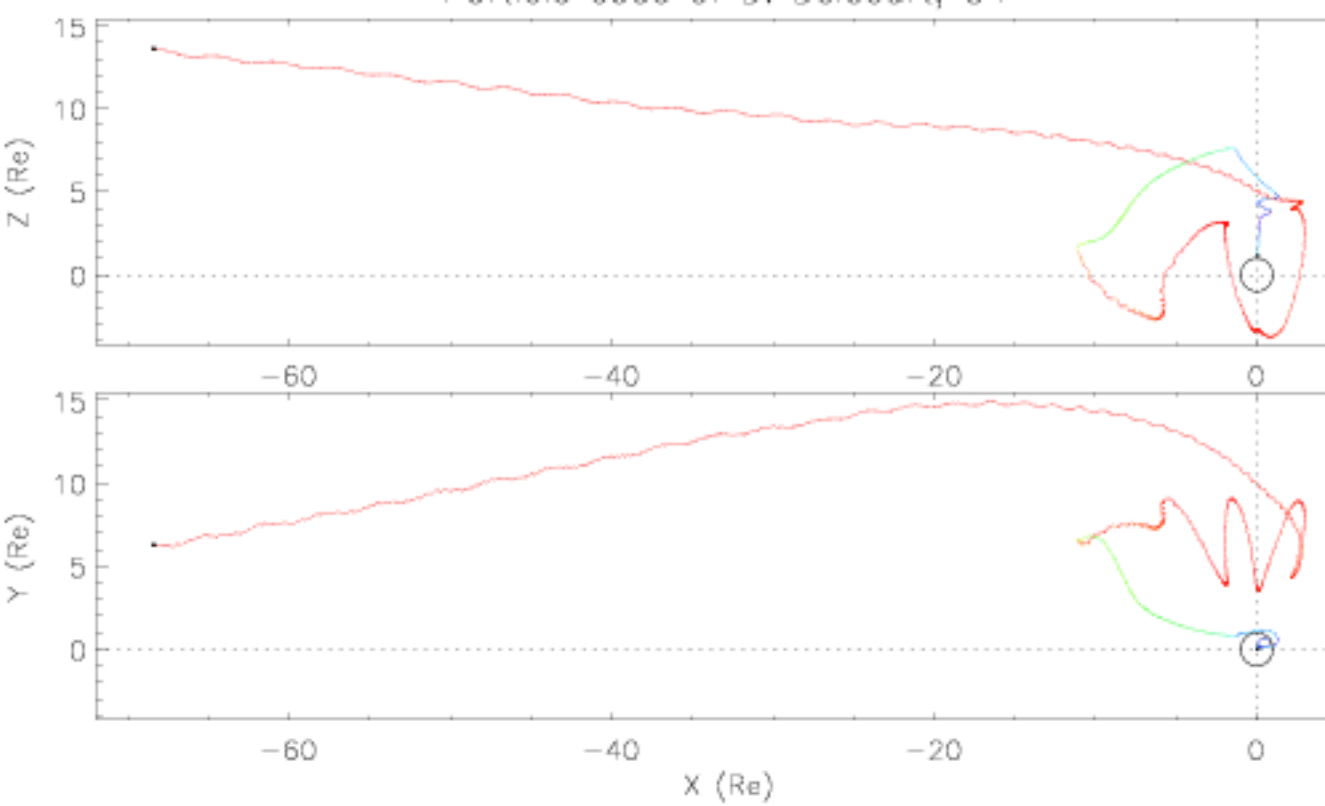

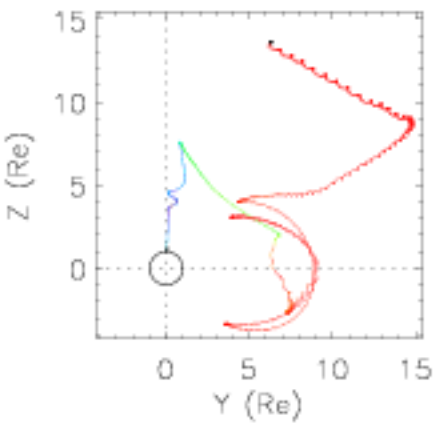

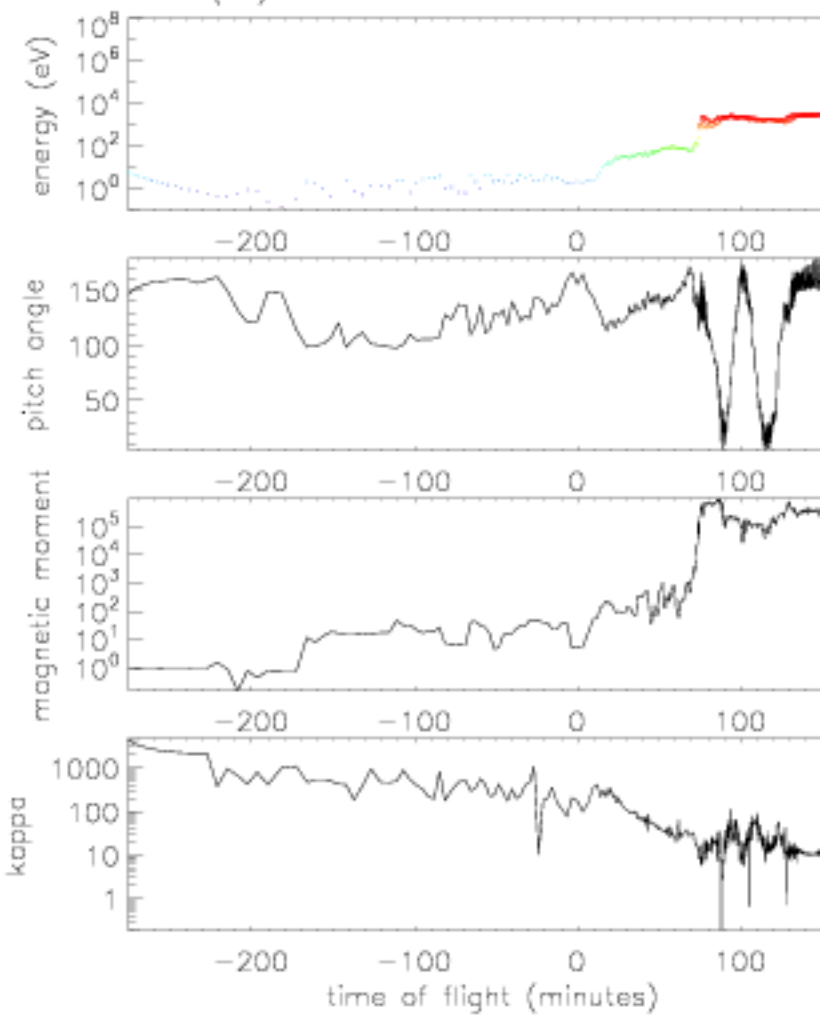

Start, Stop Parameters:

Time (minute): −275.5, 172.2
Magnetic local time: 14.490, 23.650
Magnetic latitude: 87.440, 11.200
Distance (Re): 1.16, 70.01
Energy (eV): 6.39, 2936.00
Pitch angle: 146.300, 171.600
Tilt angle (deg): 0.000

file: particle0023769.full

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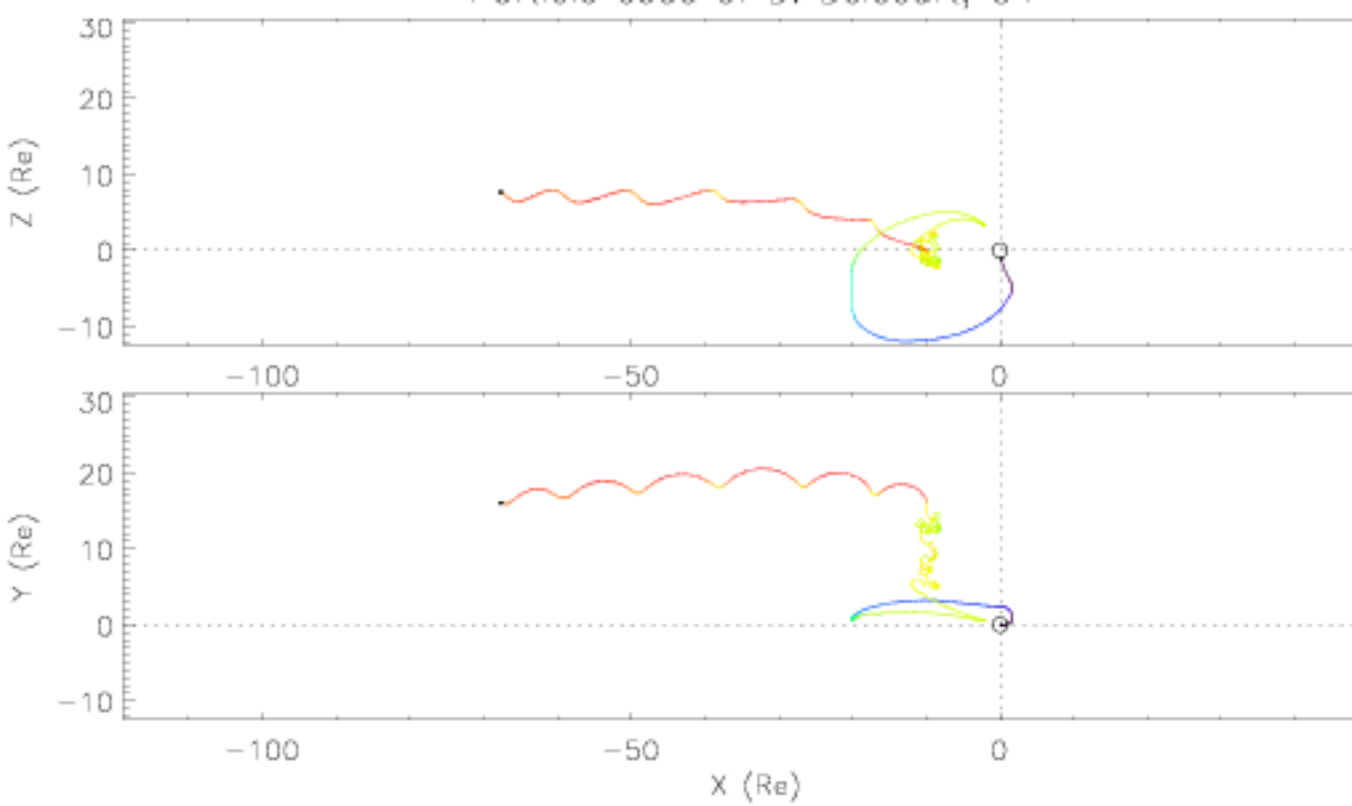

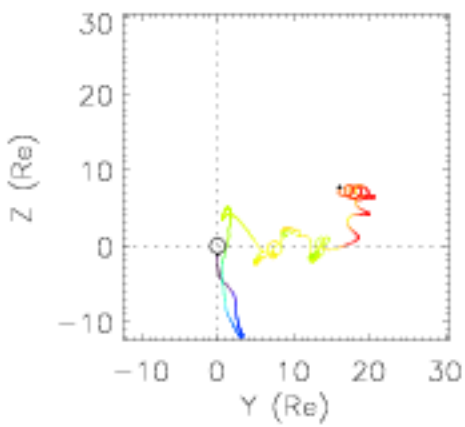

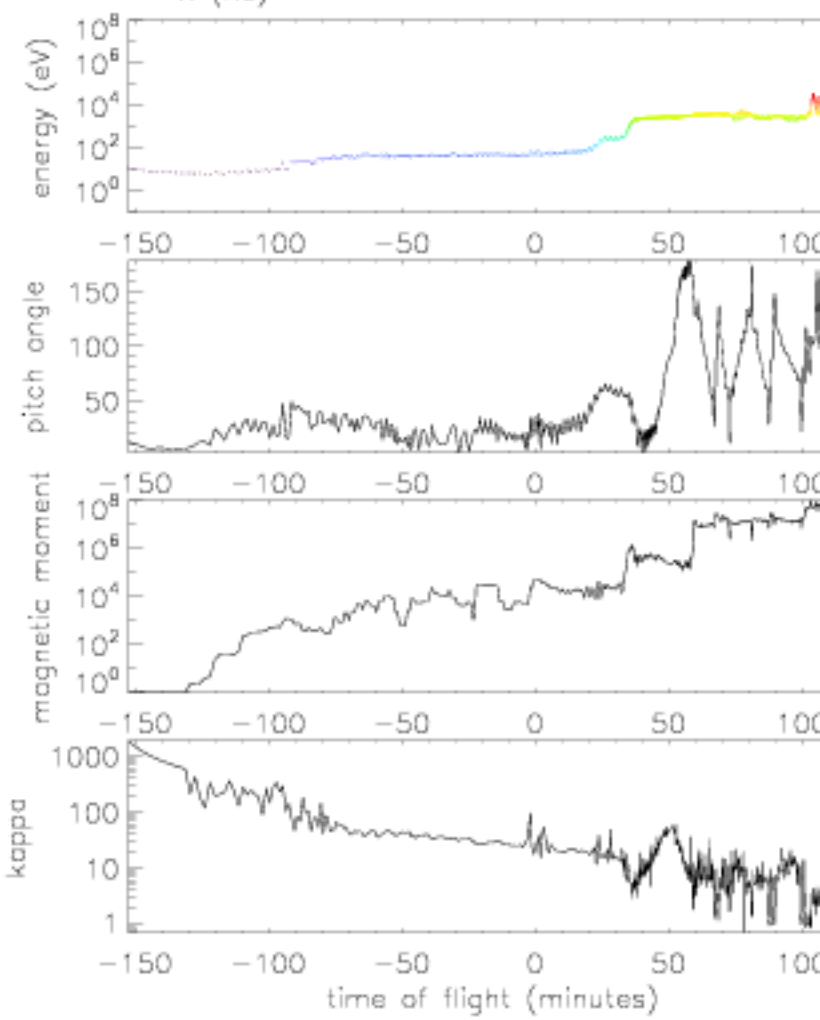

Start, Stop Parameters:

Time (minute): −152.5, 120.8
Magnetic local time: 11.980, 23.110
Magnetic latitude: −80.560, 6.289
Distance (Re): 1.16, 70.01
Energy (eV): 12.70, 10430.00
Pitch angle: 12.510, 152.200
Tilt angle (deg): 0.000

file: particle0023792.full

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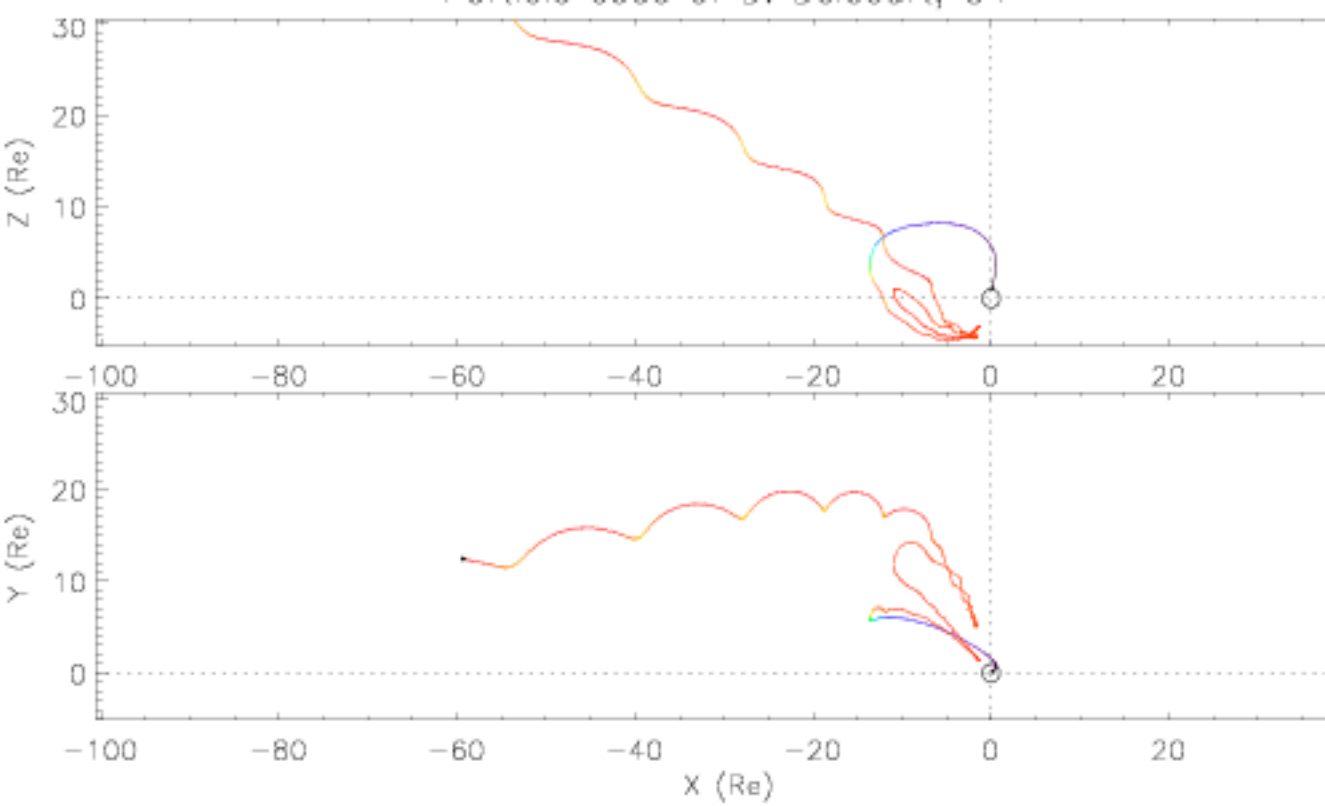

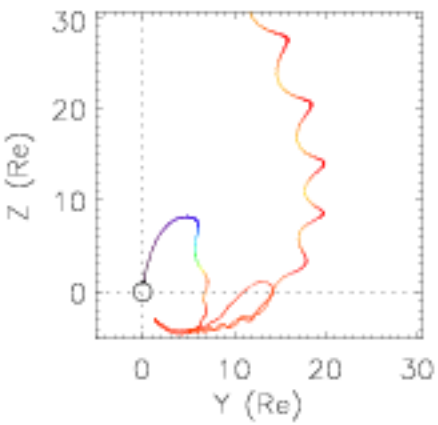

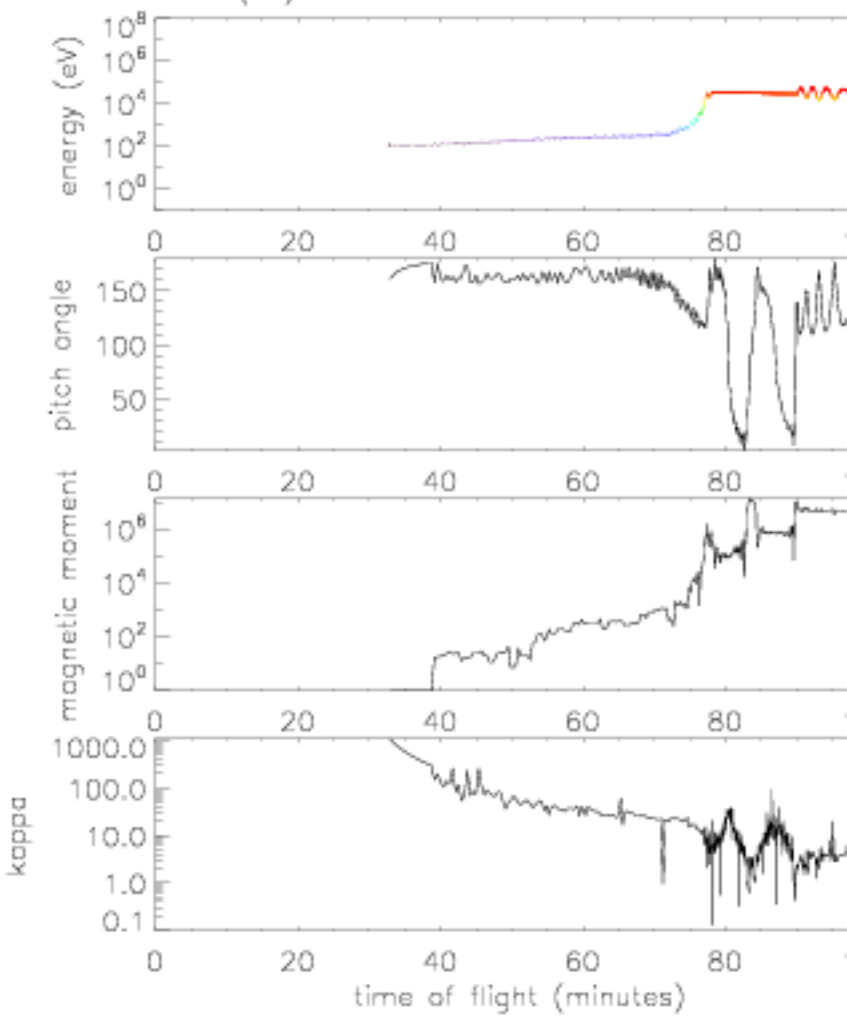

Start, Stop Parameters:

Time (minute): 32.9, 102.4
Magnetic local time: 14.980, 23.210
Magnetic latitude: 81.230, 30.030
Distance (Re): 1.16, 70.02
Energy (eV): 121.90, 44160.00
Pitch angle: 161.500, 132.100
Tilt angle (deg): 0.000

file: particle0023947.full

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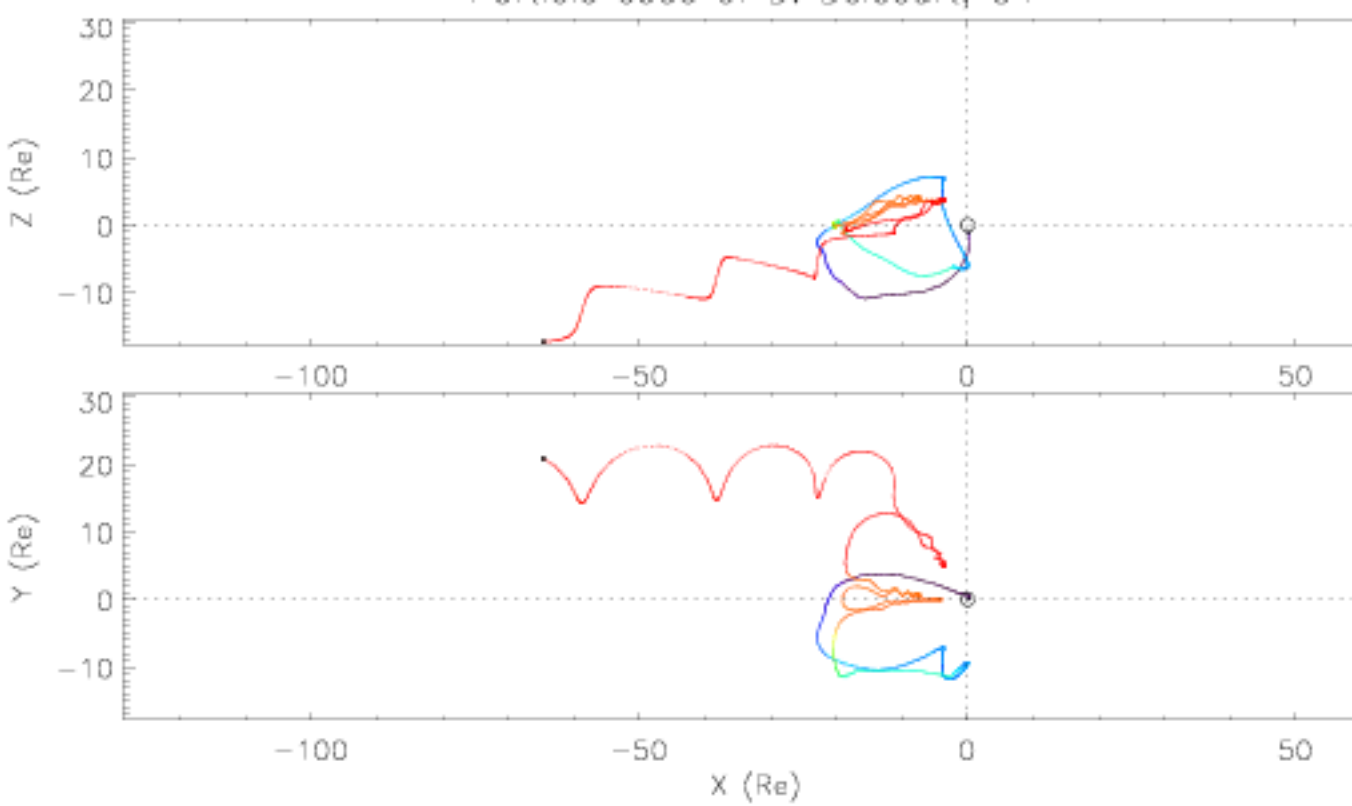

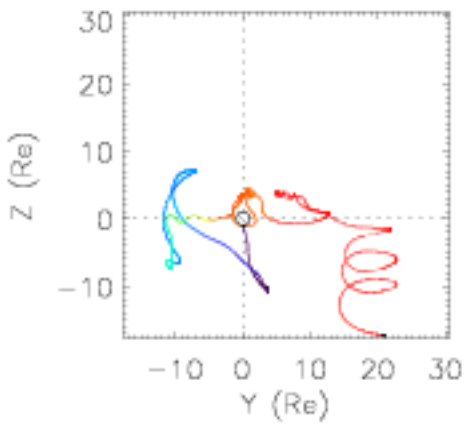

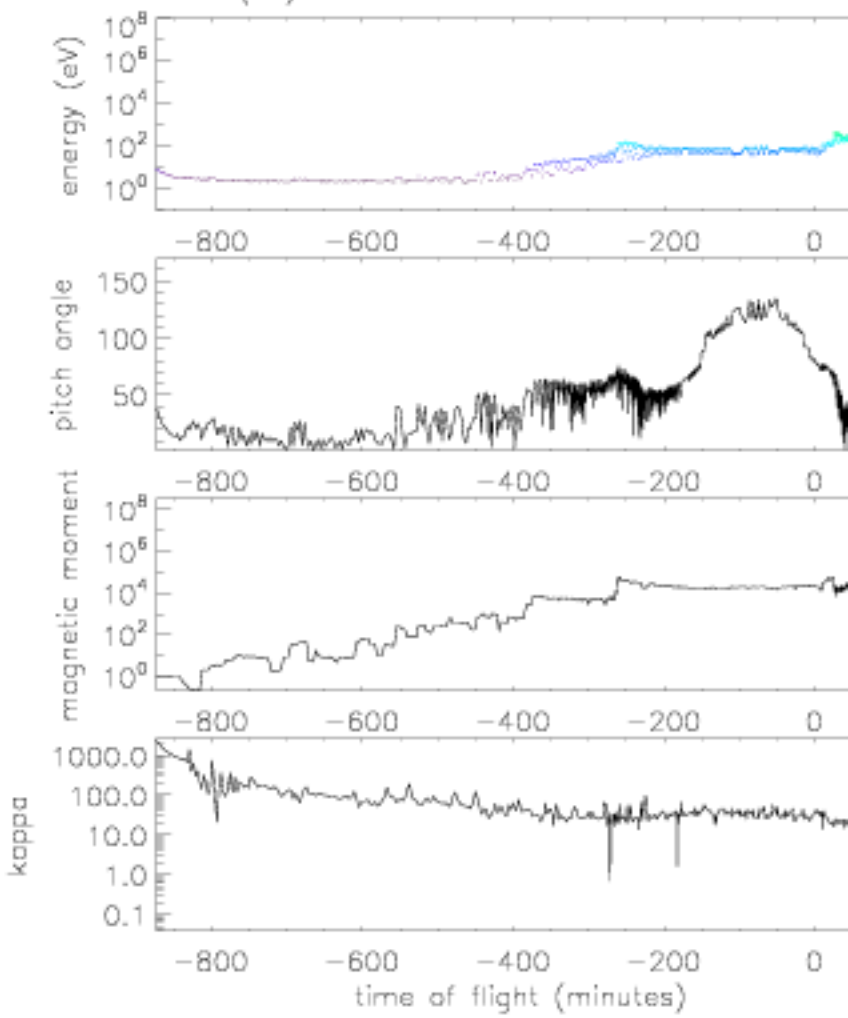

Start, Stop Parameters:

Time (minute): −872.5, 94.5
Magnetic local time: 15.630, 22.810
Magnetic latitude: −83.150, −14.270
Distance (Re): 1.16, 70.04
Energy (eV): 9.00, 127600.00
Pitch angle: 38.150, 78.500
Tilt angle (deg): 0.000

file: particle0024168.full

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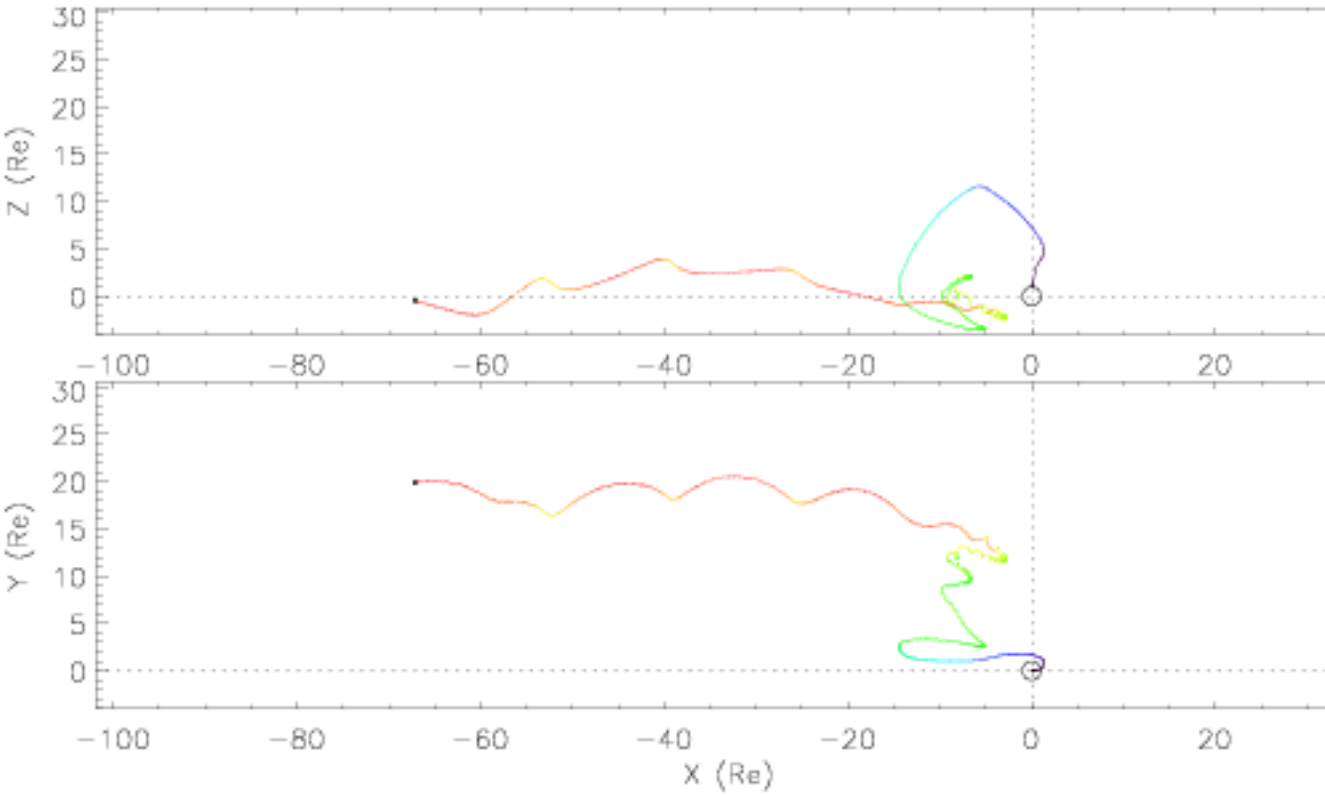
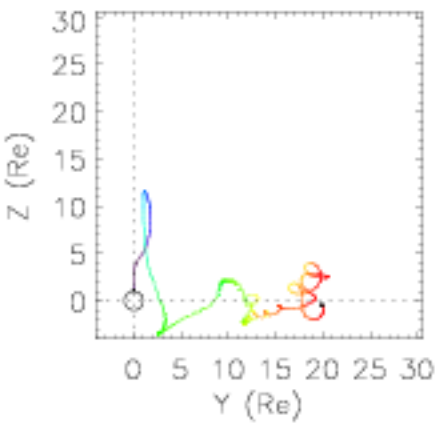
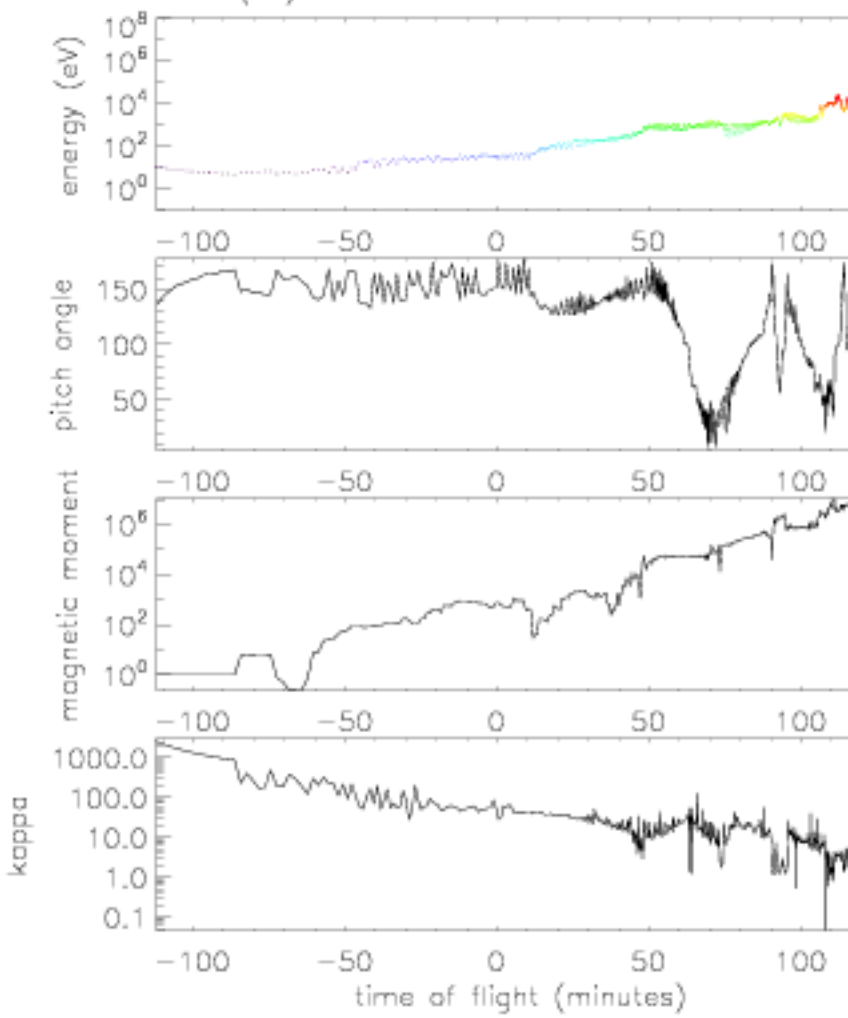




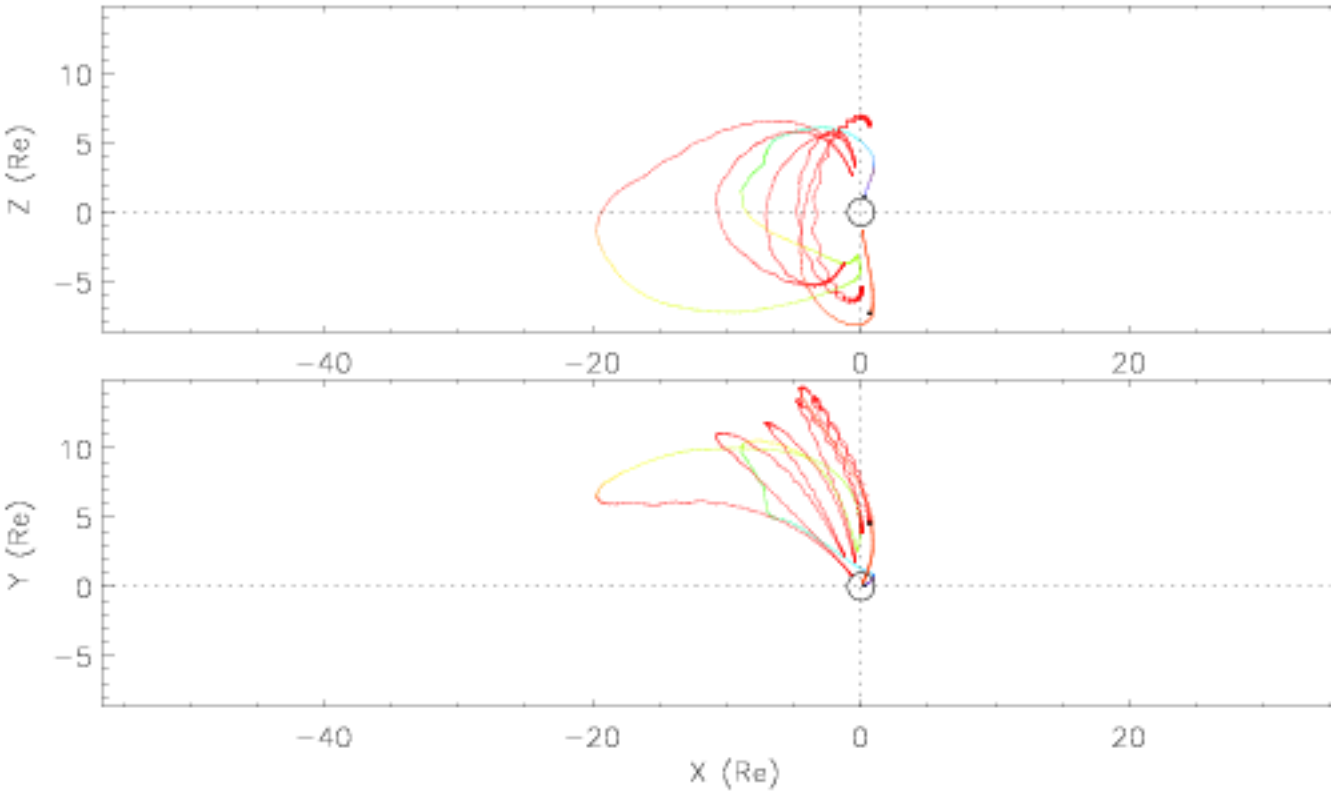


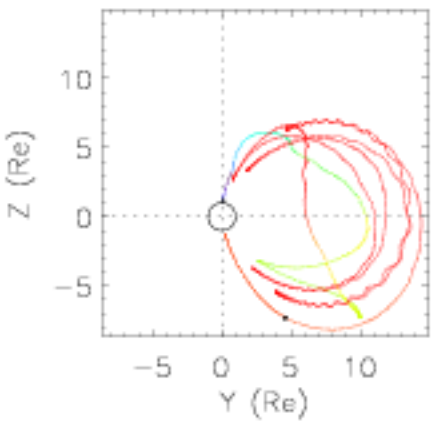
Start, Stop Parameters:

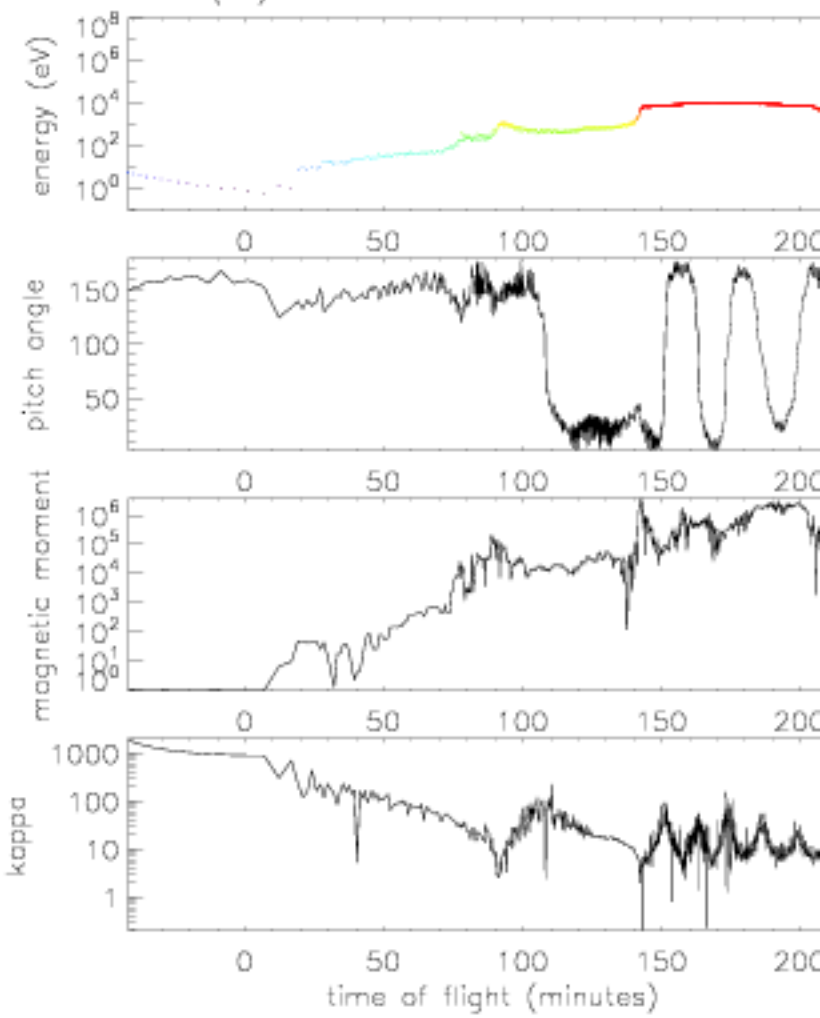
Time (minute): −111.9, 128.0
Magnetic local time: 12.270, 22.900
Magnetic latitude: 84.320, −0.382
Distance (Re): 1.16, 70.03
Energy (eV): 10.87, 20800.00
Pitch angle: 135.900, 104.800
Tilt angle (deg): 0.000

file: particle0024235.full

Fri Mar 10 13:37:59 2006







Start, Stop Parameters:

Time (minute): −42.0, 220.8
Magnetic local time: 13.400, 17.470
Magnetic latitude: 77.430,−57.690
Distance (Re): 1.16, 8.66
Energy (eV): 6.35, 4267.00
Pitch angle: 150.500, 7.465
Tilt angle (deg): 0.000

file: particle0024395.full

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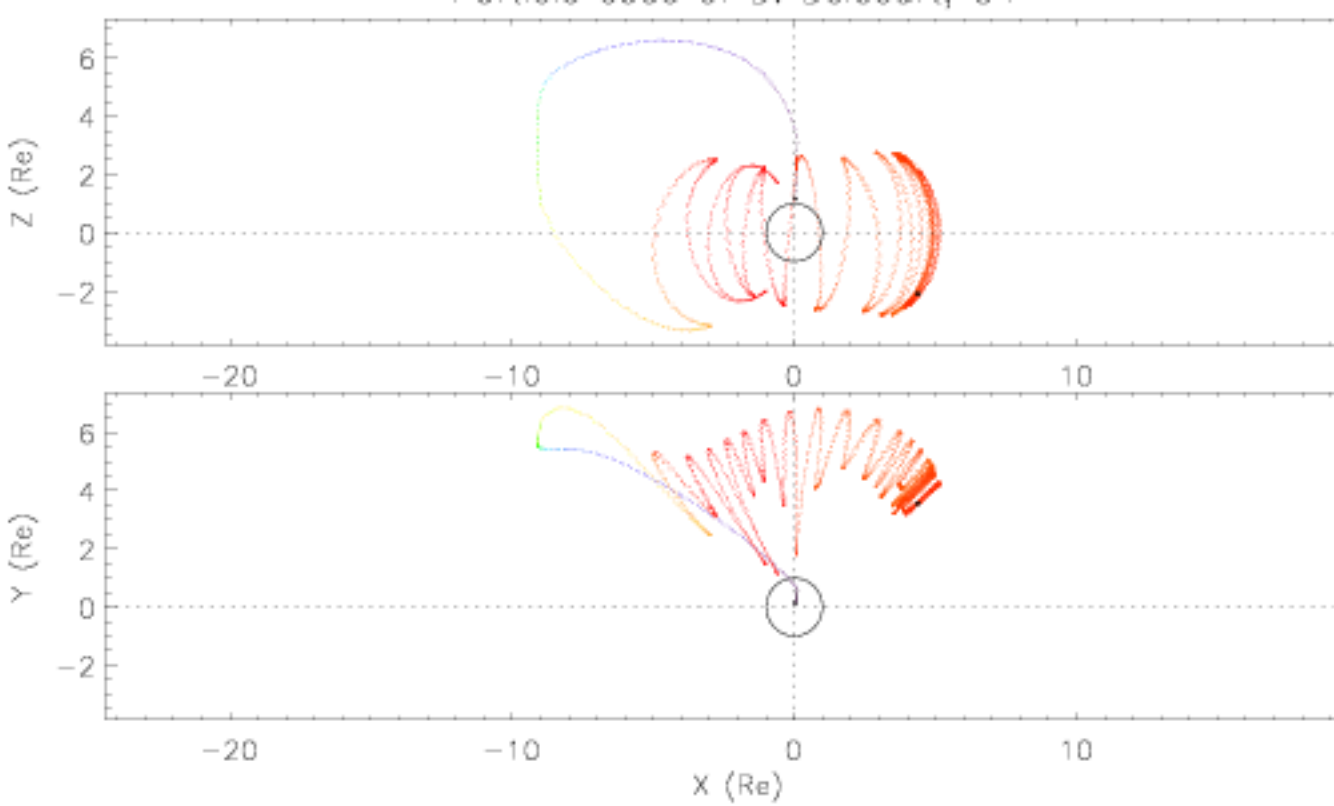

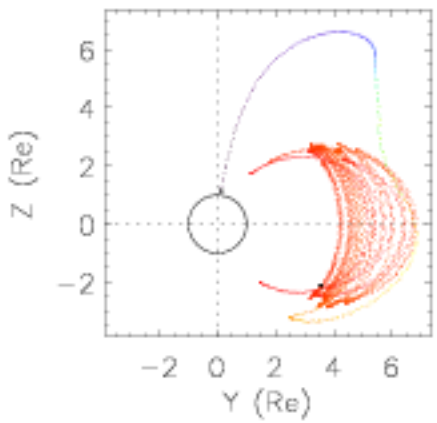

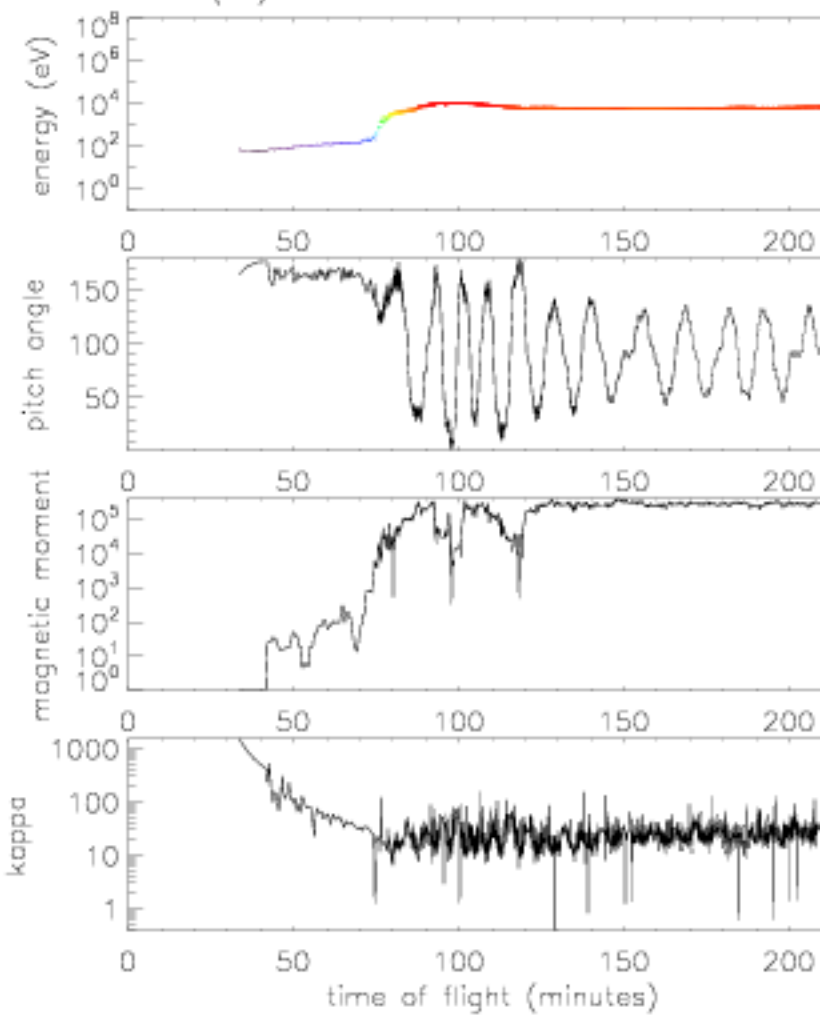

Start, Stop Parameters:

Time (minute): 33.7, 220.8
Magnetic local time: 17.110, 14.610
Magnetic latitude: 83.580,−20.470
Distance (Re): 1.16, 6.02
Energy (eV): 68.64, 7432.00
Pitch angle: 163.800, 64.910
Tilt angle (deg): 0.000

file: particle0024469.full

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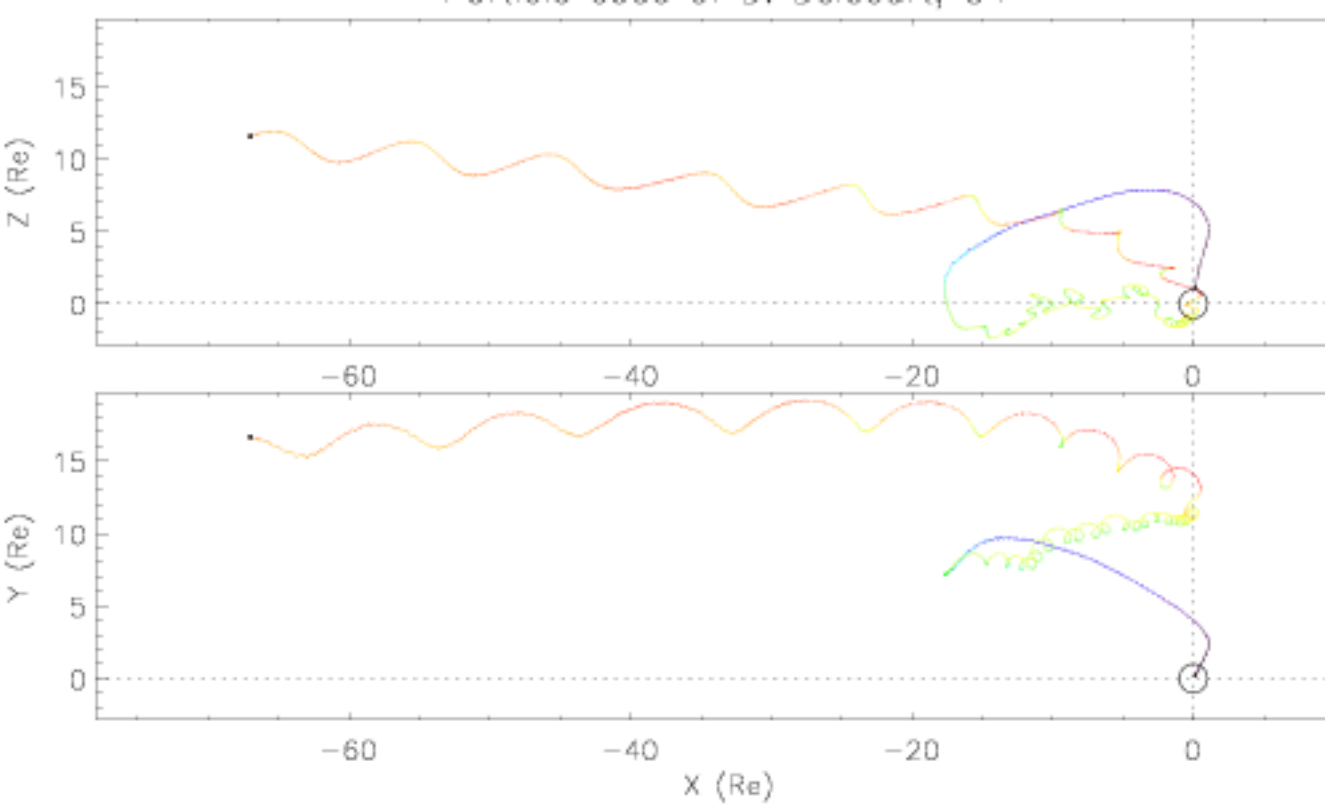

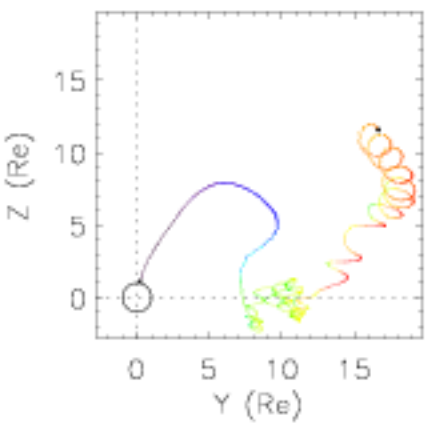

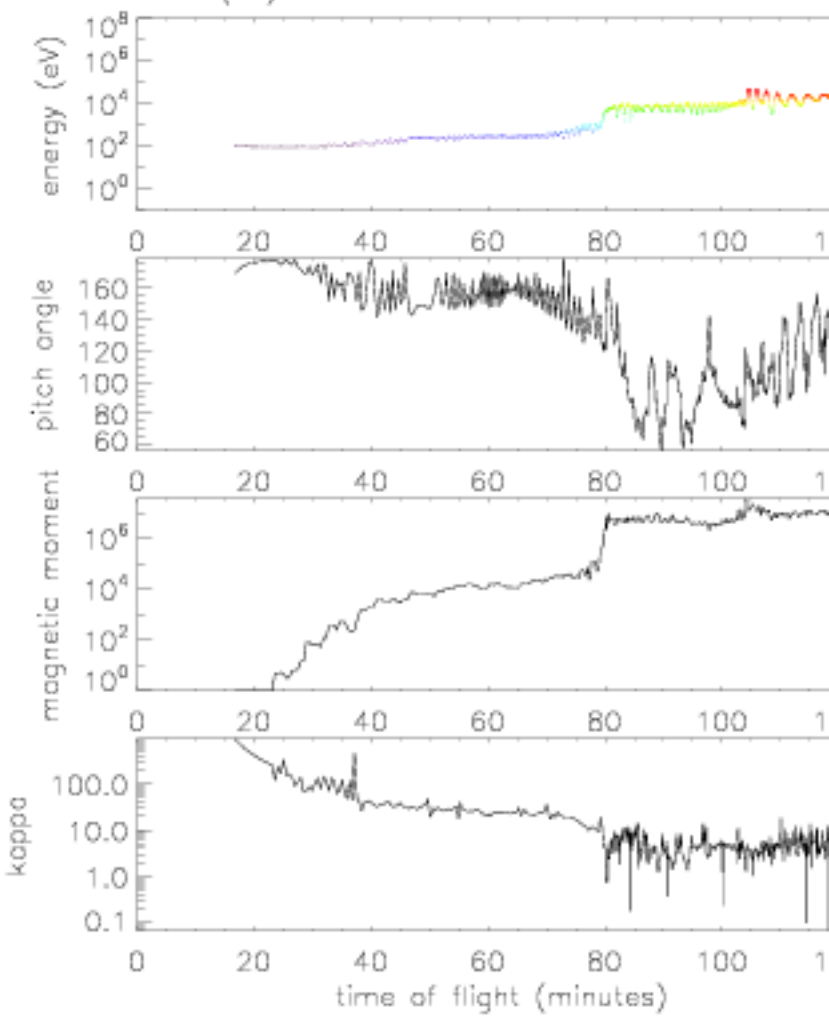

Start, Stop Parameters:

Time (minute): 16.7, 124.9
Magnetic local time: 15.970, 23.070
Magnetic latitude: 77.700, 9.511
Distance (Re): 1.16, 70.01
Energy (eV): 102.60, 20450.00
Pitch angle: 169.400, 144.500
Tilt angle (deg): 0.000

file: particle0024617.full

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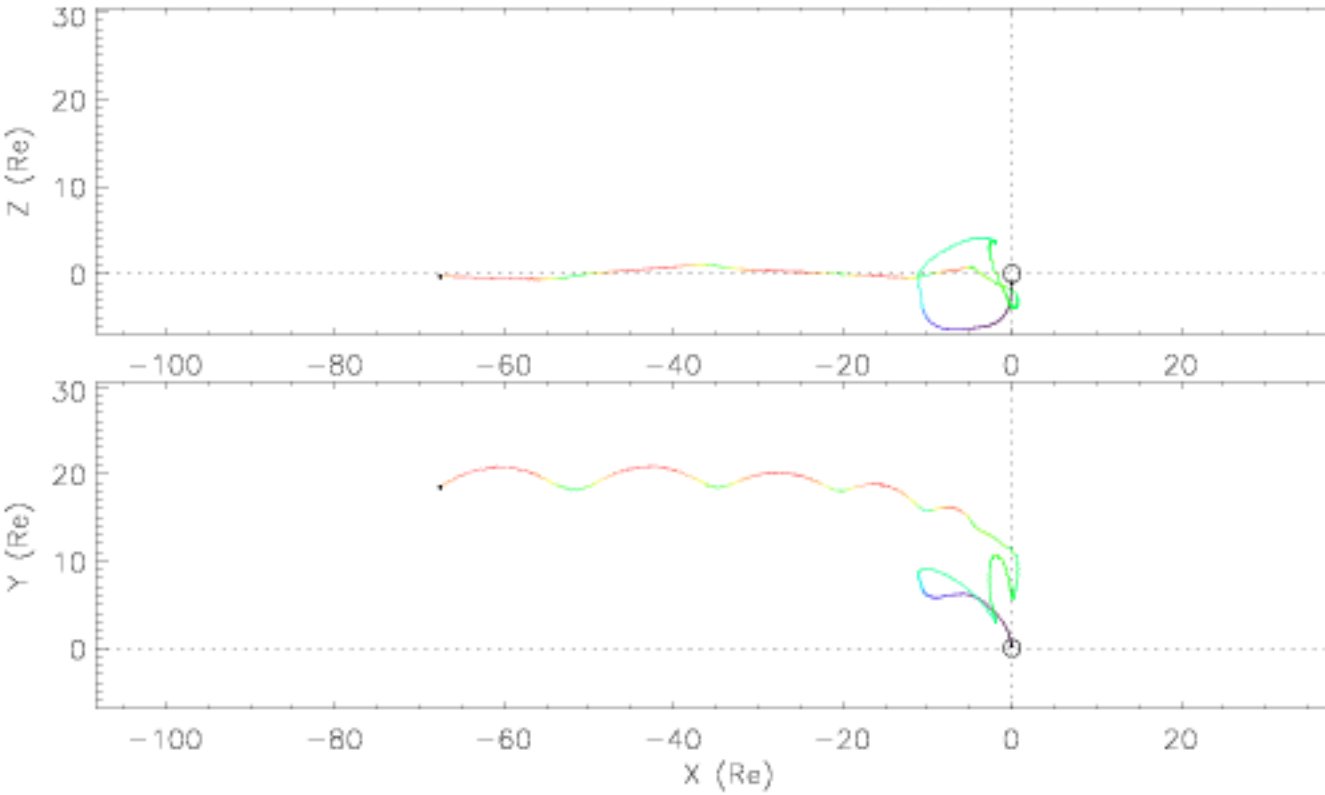

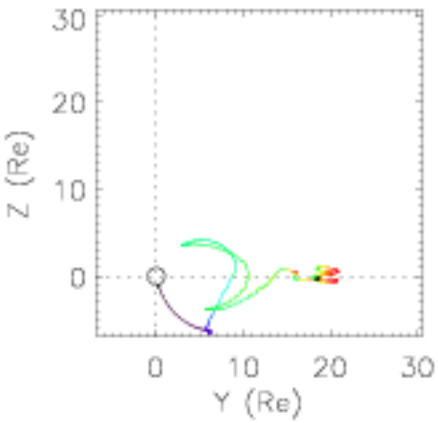

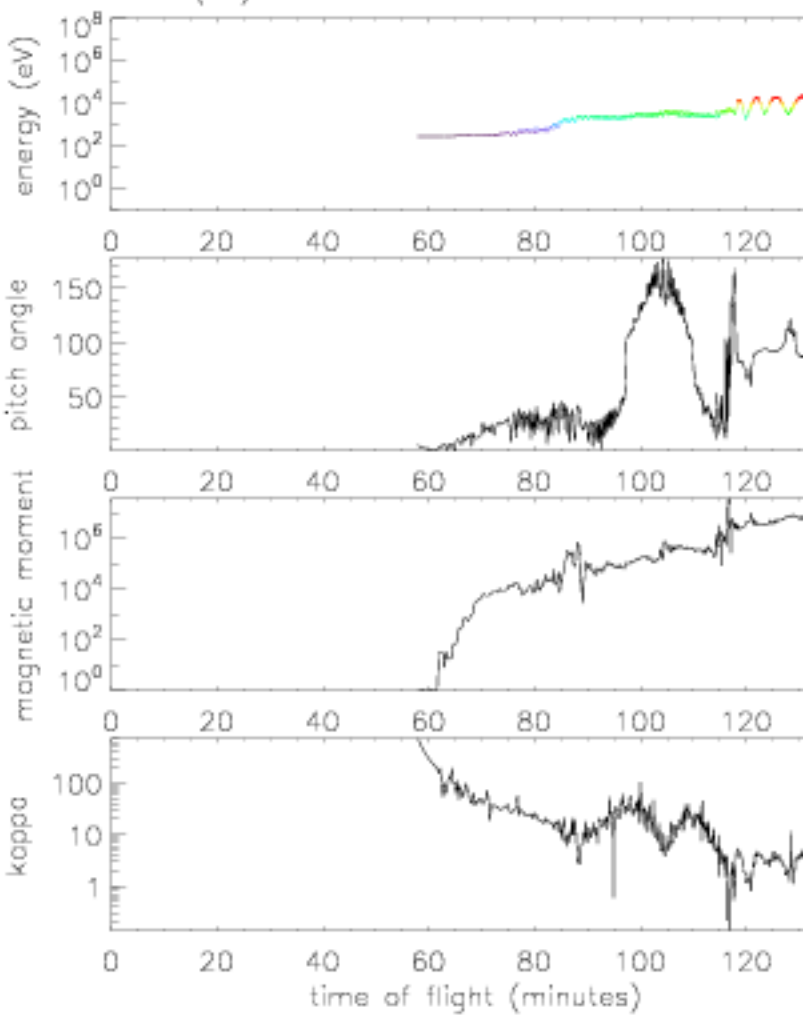

Start, Stop Parameters:

Time (minute): 58.0, 137.9
Magnetic local time: 18.650, 22.980
Magnetic latitude: −77.710, −0.262
Distance (Re): 1.16, 70.00
Energy (eV): 305.50, 11520.00
Pitch angle: 5.307, 81.440
Tilt angle (deg): 0.000

file: particle0024708.full

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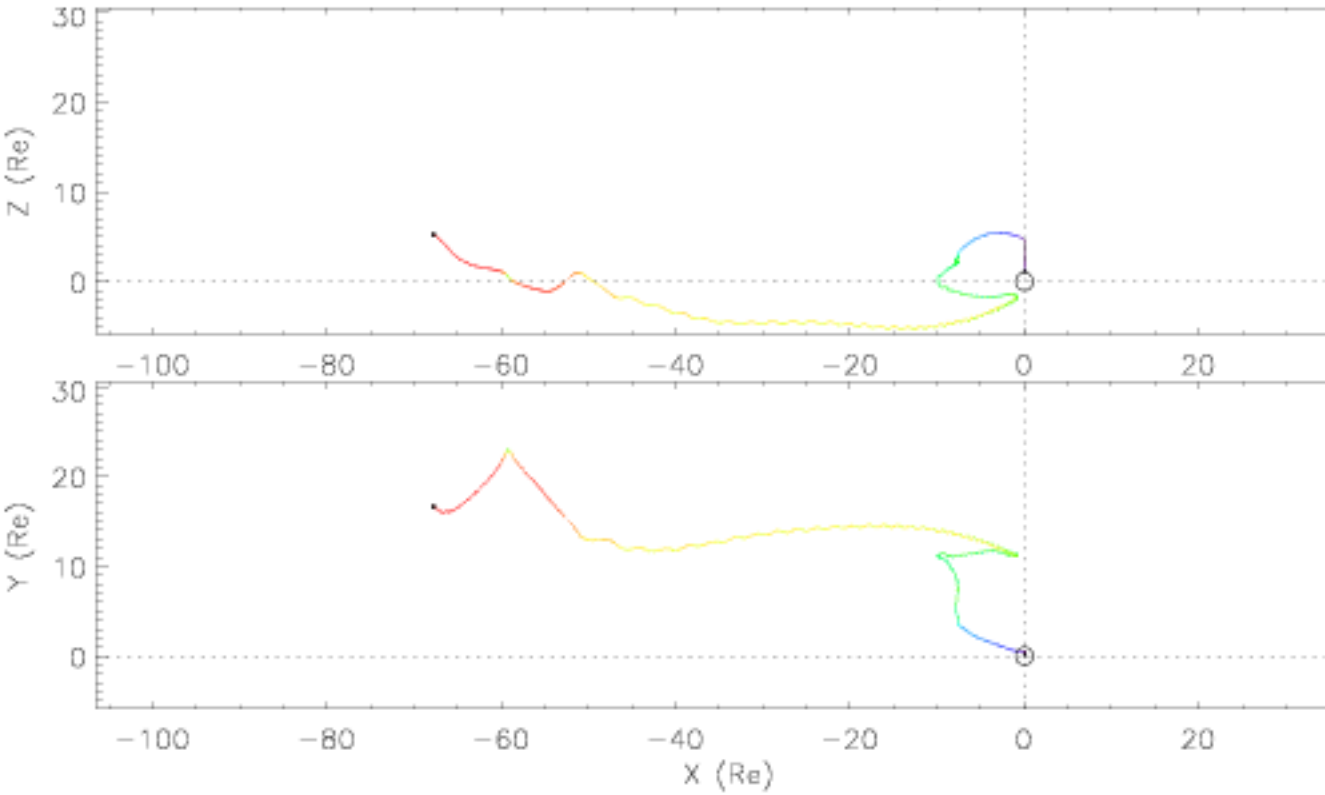

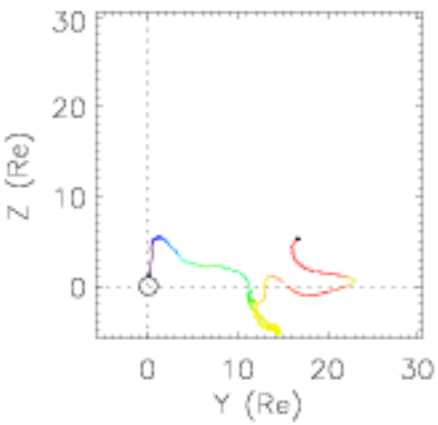

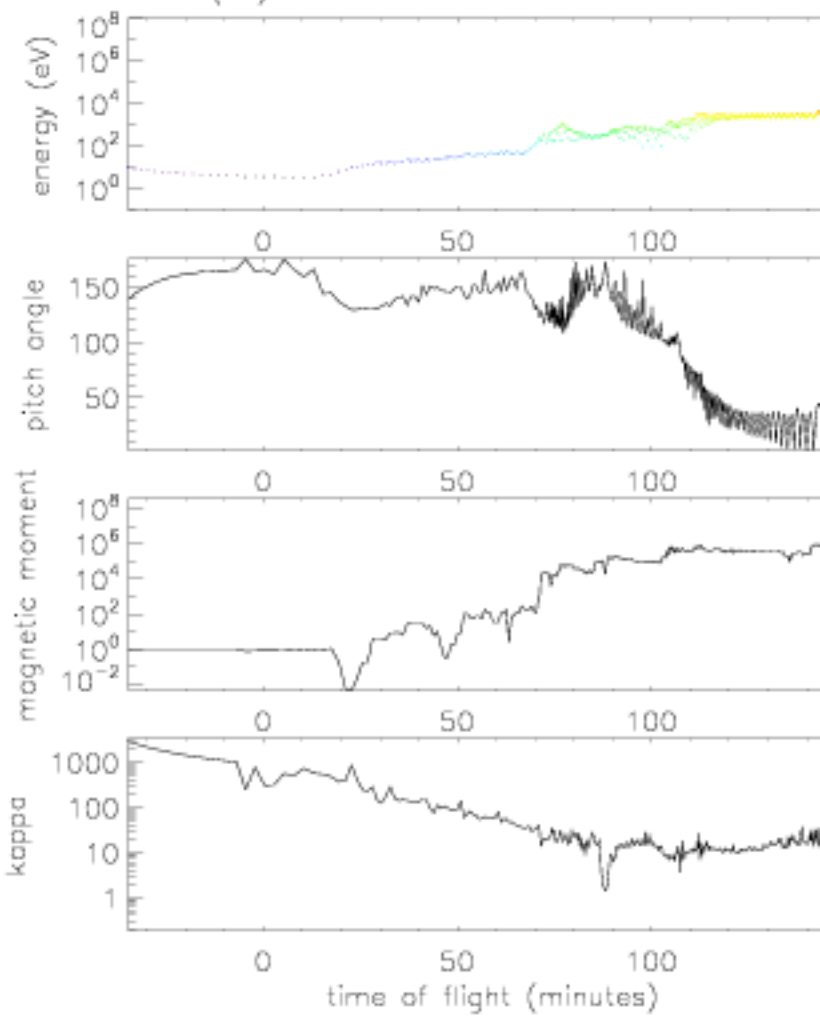

Start, Stop Parameters:

Time (minute): −34.8, 153.3
Magnetic local time: 16.030, 23.080
Magnetic latitude: 85.480, 4.292
Distance (Re): 1.16, 70.01
Energy (eV): 9.90, 16920.00
Pitch angle: 138.800, 145.900
Tilt angle (deg): 0.000

file: particle0024941.full

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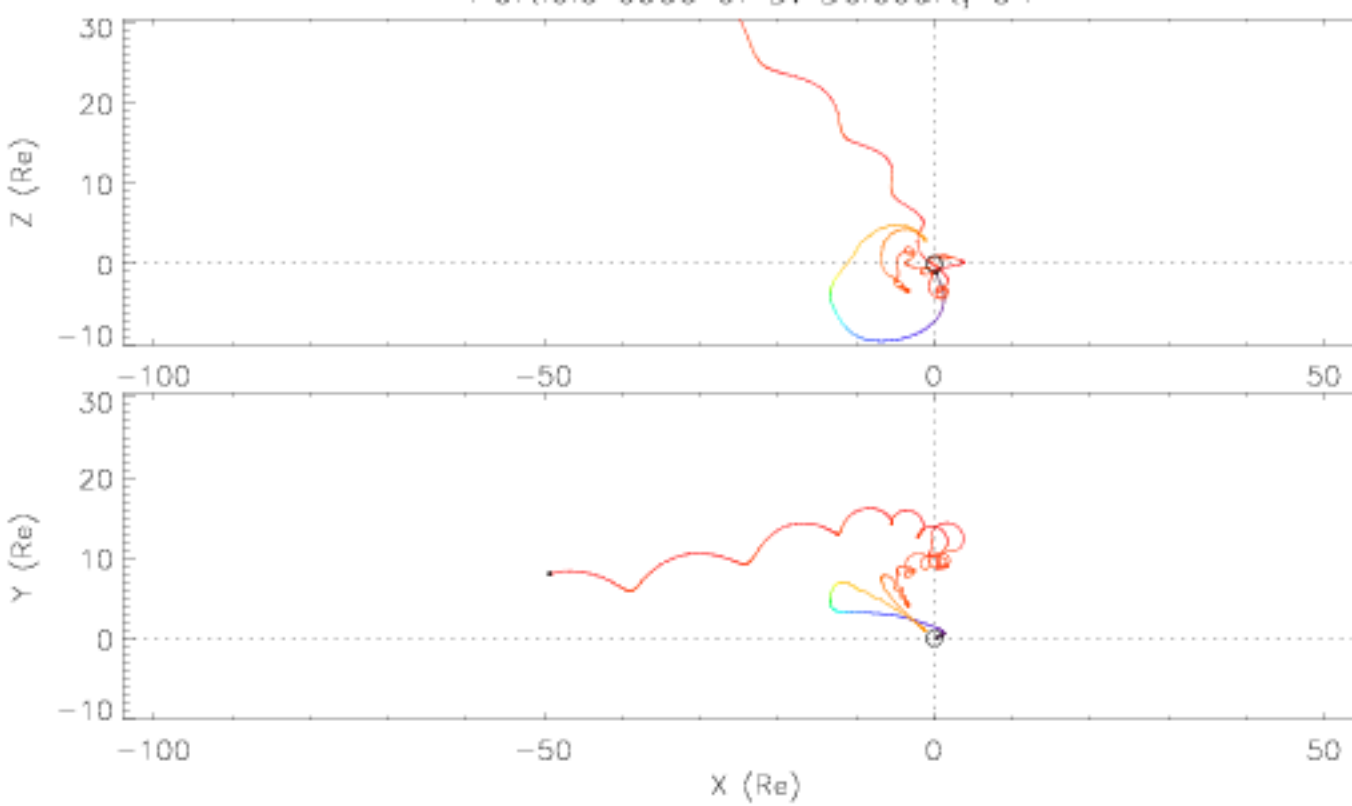

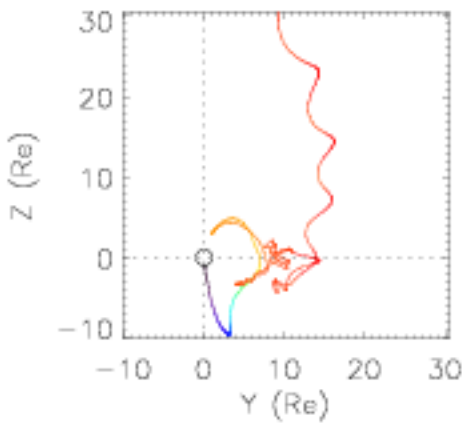

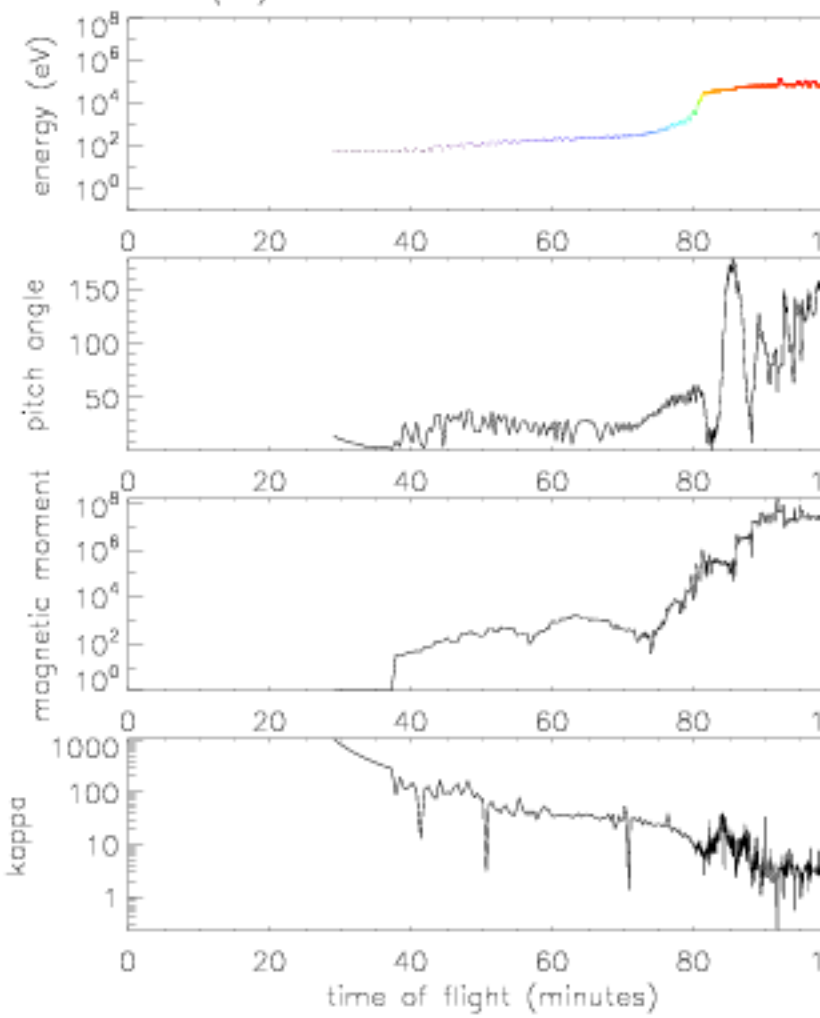

Start, Stop Parameters:

Time (minute): 29.1, 103.2
Magnetic local time: 13.210, 23.380
Magnetic latitude: −77.300, 44.510
Distance (Re): 1.16, 70.02
Energy (eV): 63.24, 113400.00
Pitch angle: 15.190, 140.800
Tilt angle (deg): 0.000

file: particle0025534.full

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