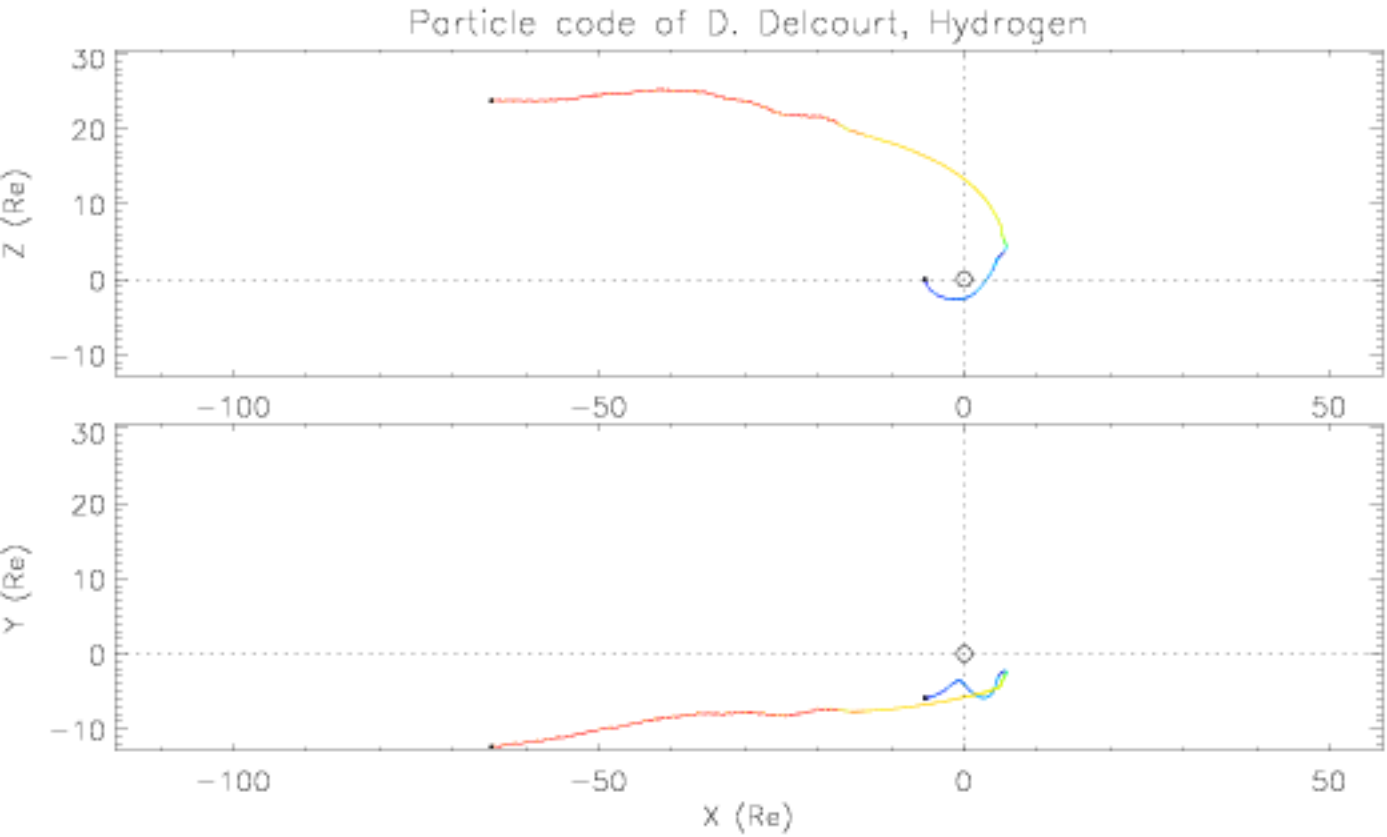

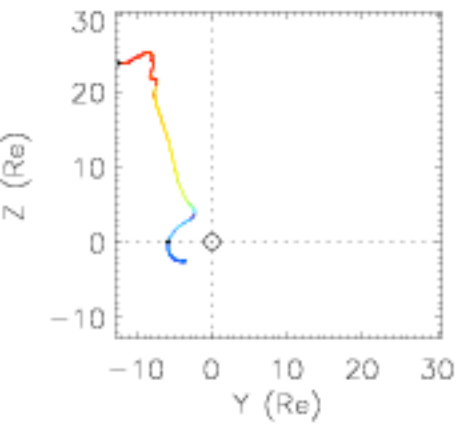

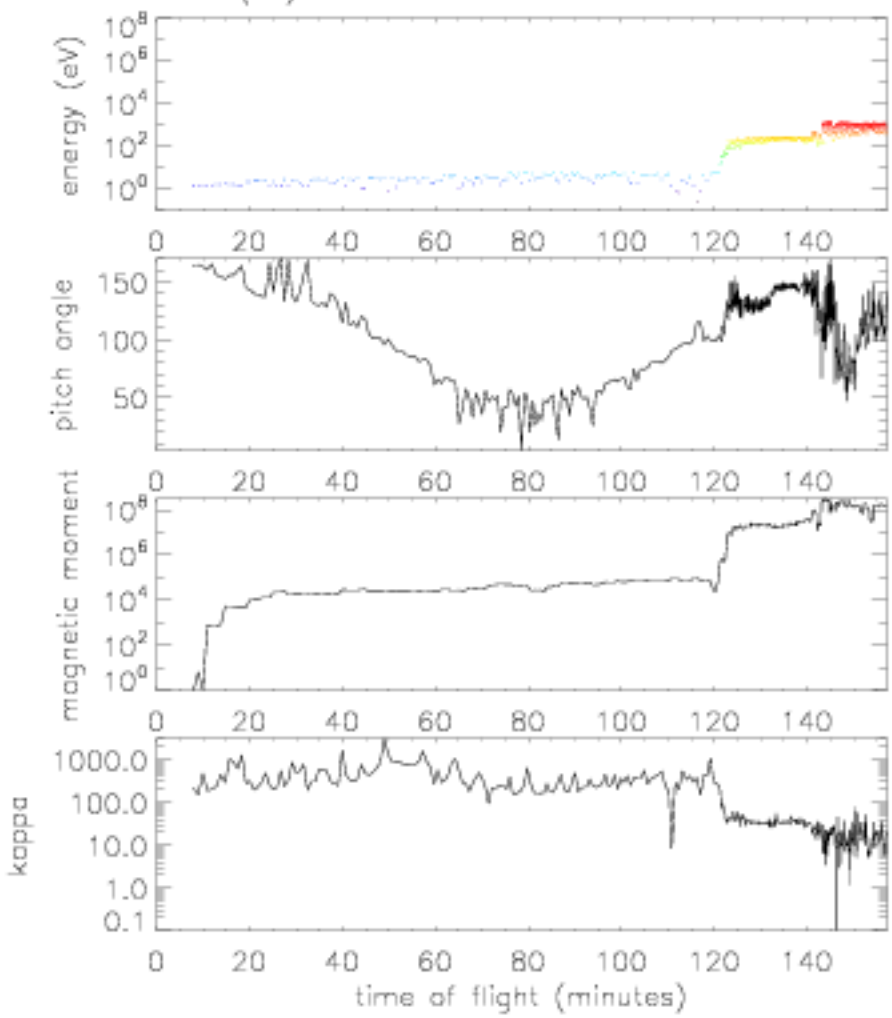

Start, Stop Parameters:

Time (minute): 7.9, 157.1
Magnetic local time: 3.157, 0.721
Magnetic latitude: 0.000, 19.820
Distance (Re): 7.97, 70.01
Energy (eV): 1.41, 734.30
Pitch angle: 164.800, 124.200
Tilt angle (deg): 0.000

file: particle0000001.full

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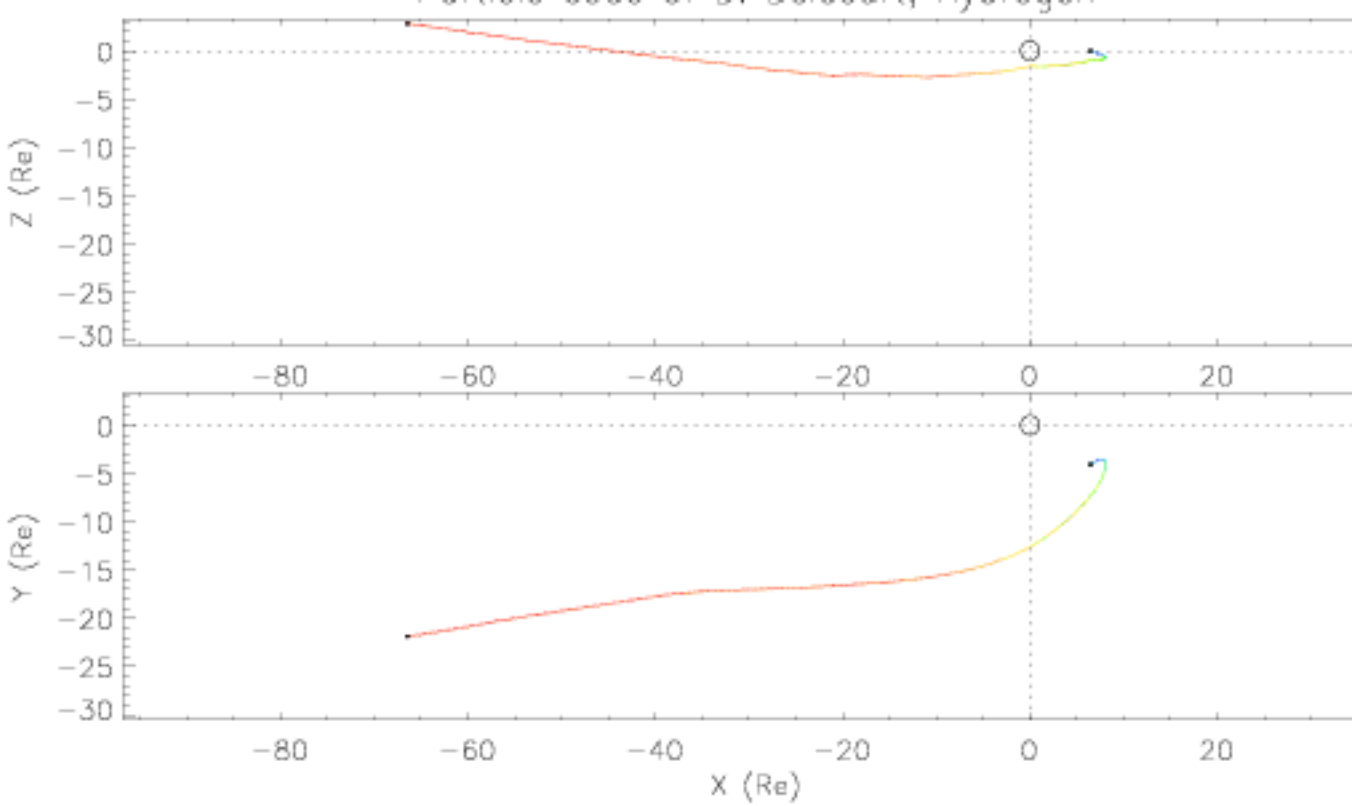

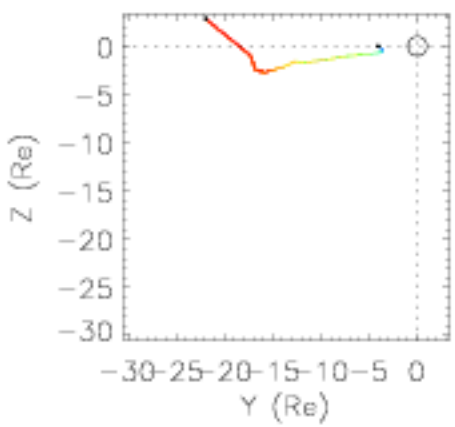

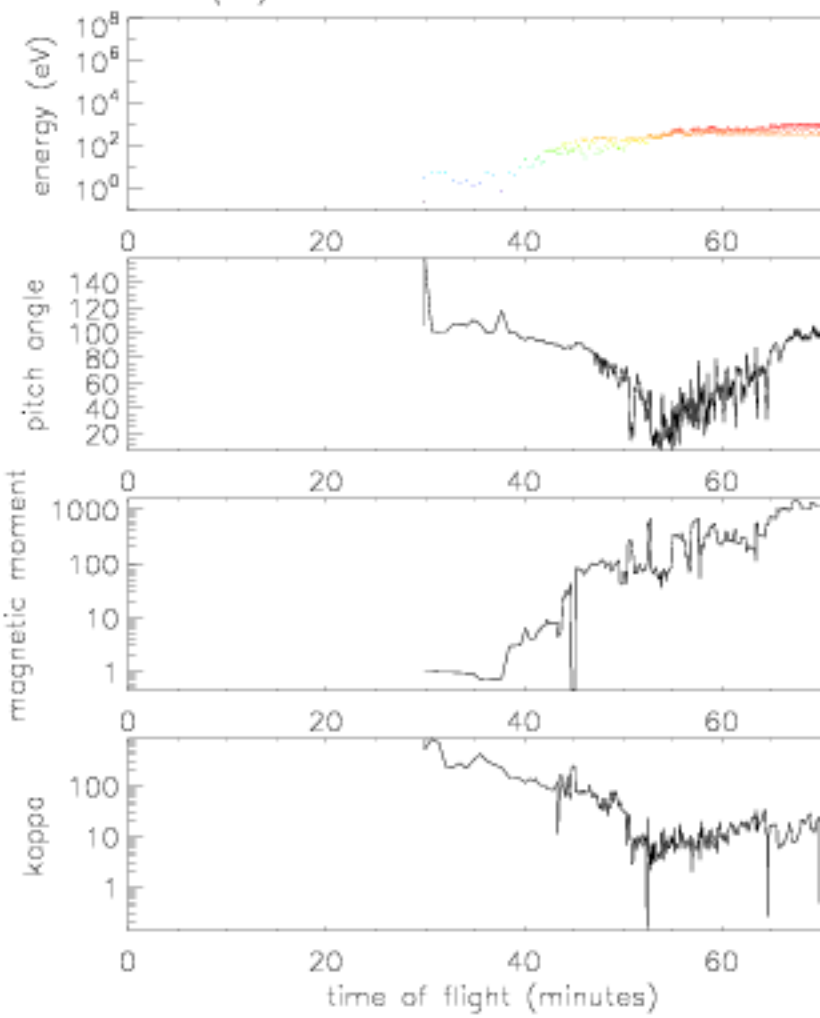

Start, Stop Parameters:

Time (minute): 29.9, 73.8
Magnetic local time: 9.857, 1.215
Magnetic latitude: 0.000, 2.305
Distance (Re): 7.63, 70.00
Energy (eV): 3.15, 1235.00
Pitch angle: 105.400, 95.820
Tilt angle (deg): 0.000

file: particle0000002.full

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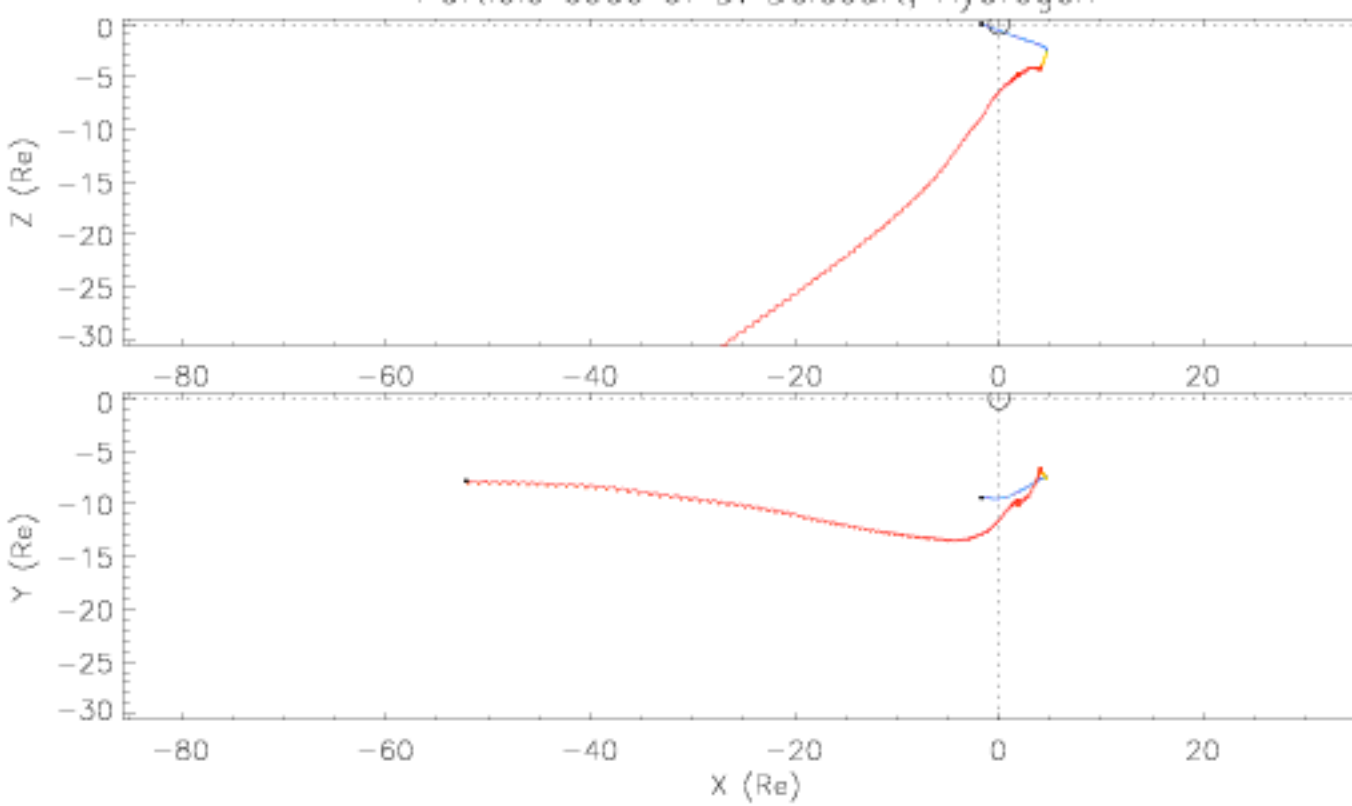

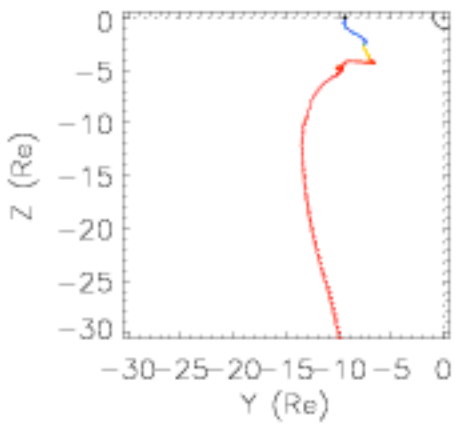

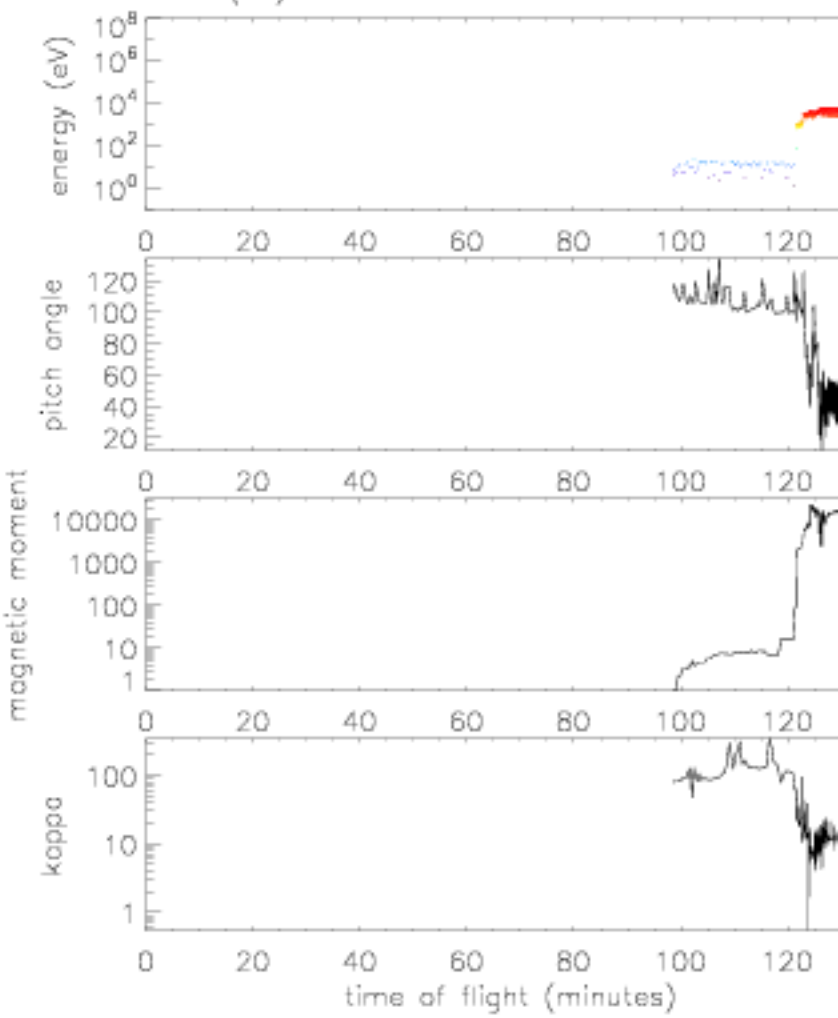

Start, Stop Parameters:

Time (minute): 98.7, 136.6
Magnetic local time: 5.311, 0.569
Magnetic latitude: 0.000,−41.160
Distance (Re): 9.57, 70.01
Energy (eV): 8.19, 4119.00
Pitch angle: 111.800, 48.490
Tilt angle (deg): 0.000

file: particle0000003.full

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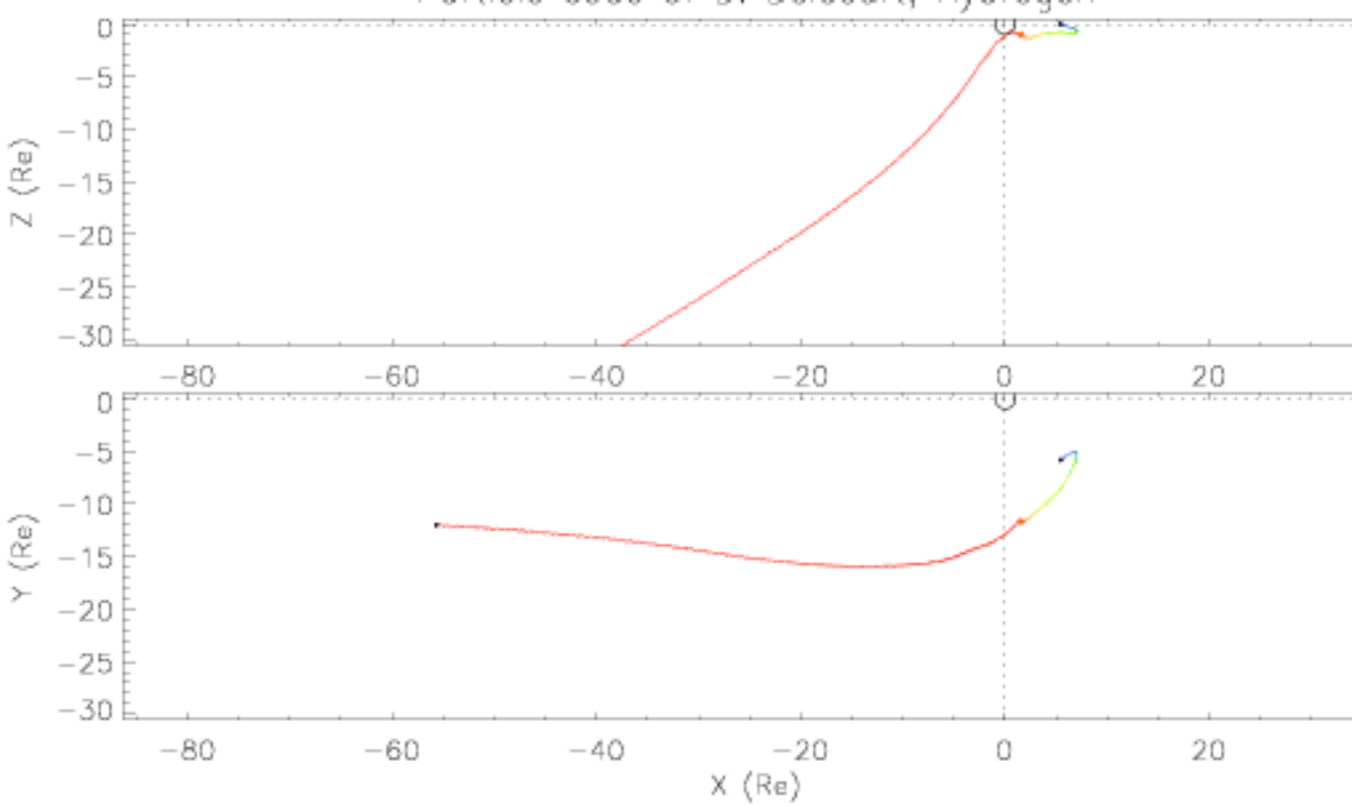

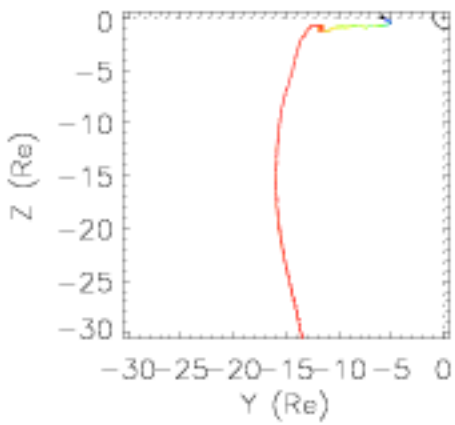

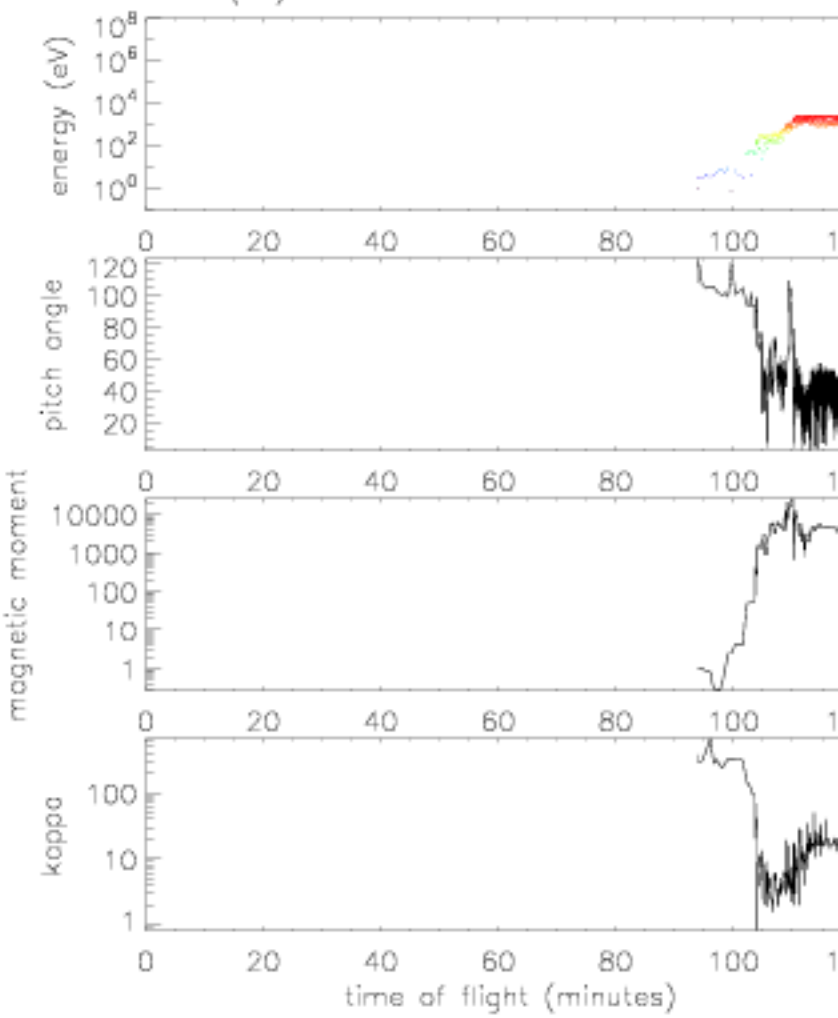

Start, Stop Parameters:

Time (minute): 93.9, 124.2
Magnetic local time: 8.850, 0.812
Magnetic latitude: 0.000, −35.560
Distance (Re): 7.97, 70.00
Energy (eV): 3.32, 2235.00
Pitch angle: 107.600, 42.800
Tilt angle (deg): 0.000

file: particle0000004.full

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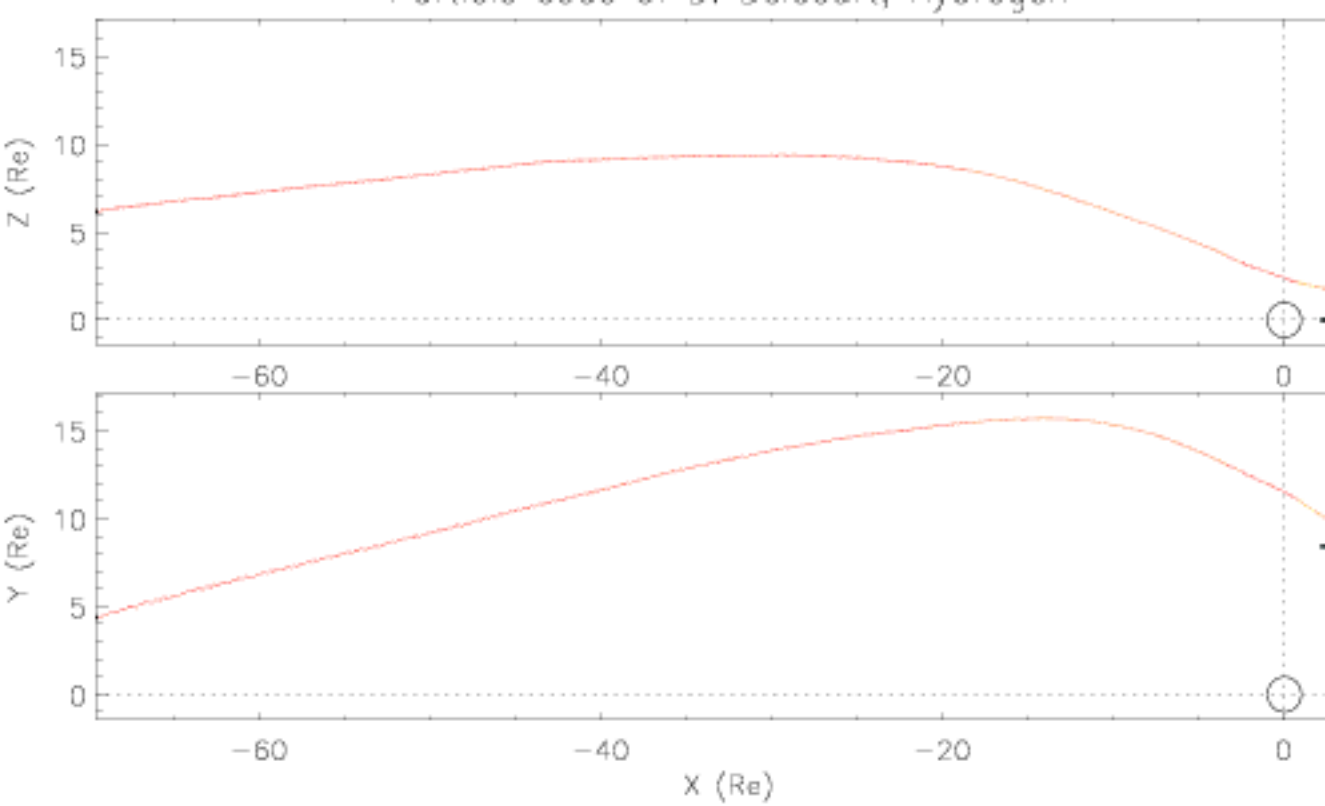

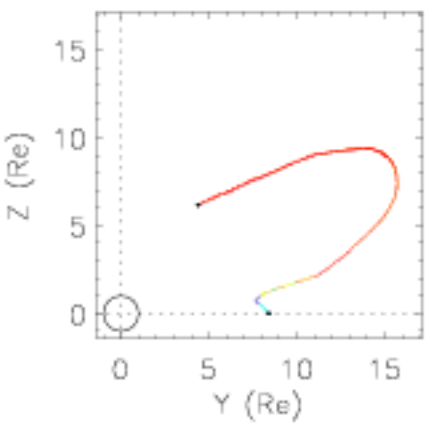

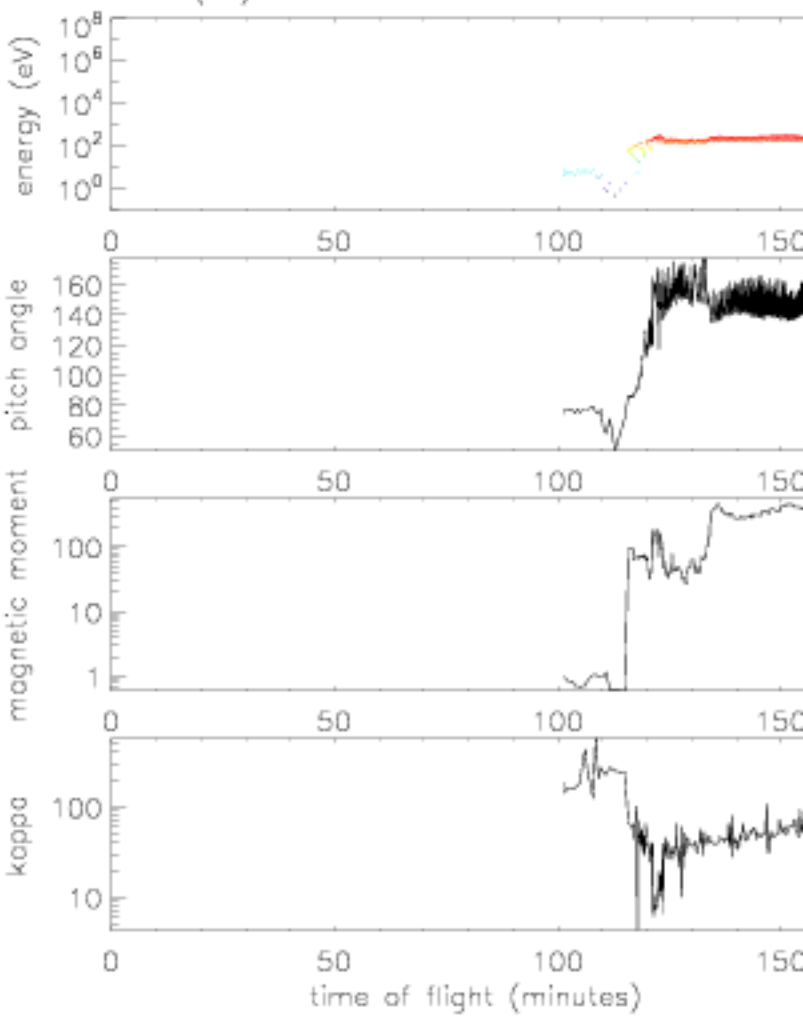

Start, Stop Parameters:

Time (minute): 101.4, 163.4
Magnetic local time: 17.010, 23.760
Magnetic latitude: 0.000, 5.054
Distance (Re): 8.70, 70.00
Energy (eV): 4.66, 322.90
Pitch angle: 74.380, 135.600
Tilt angle (deg): 0.000

file: particle0000005.full

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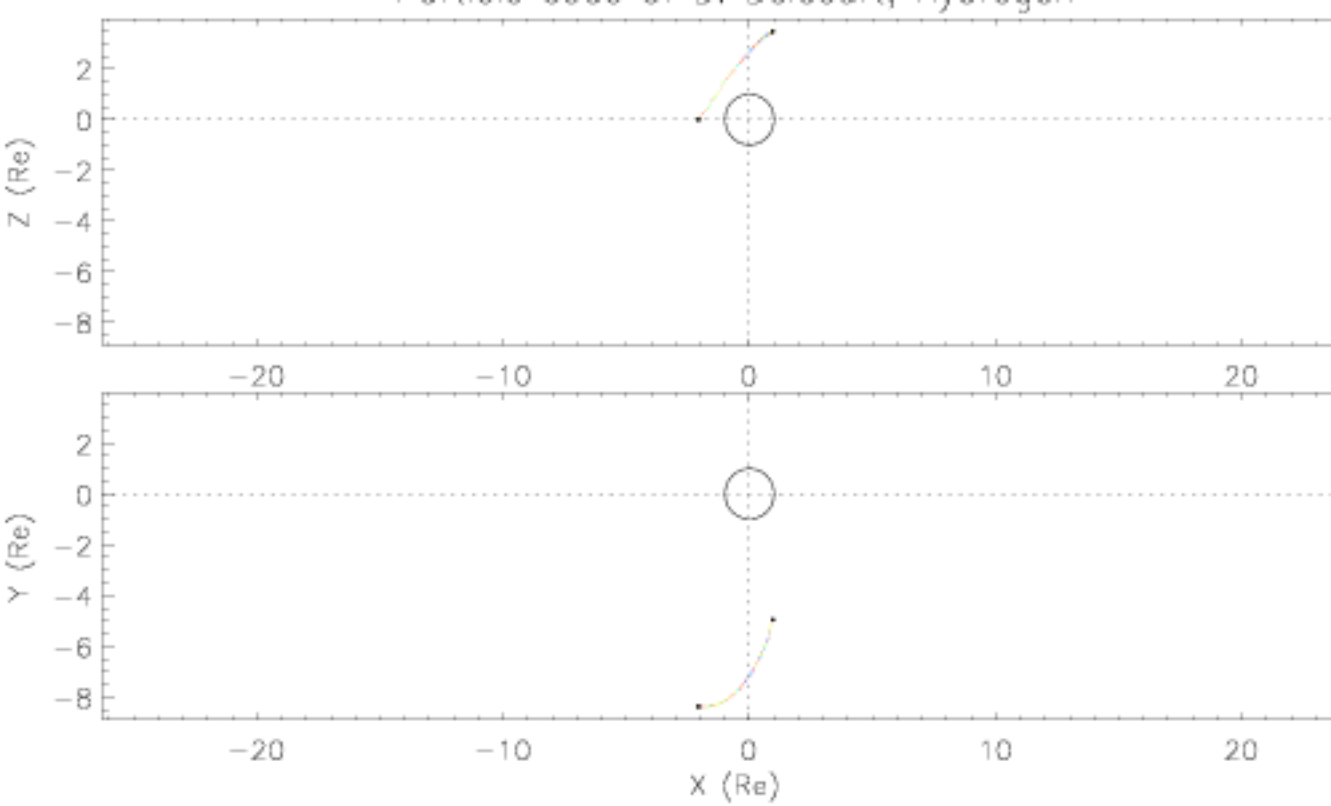

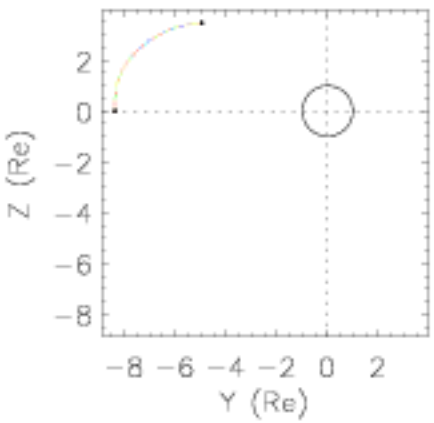

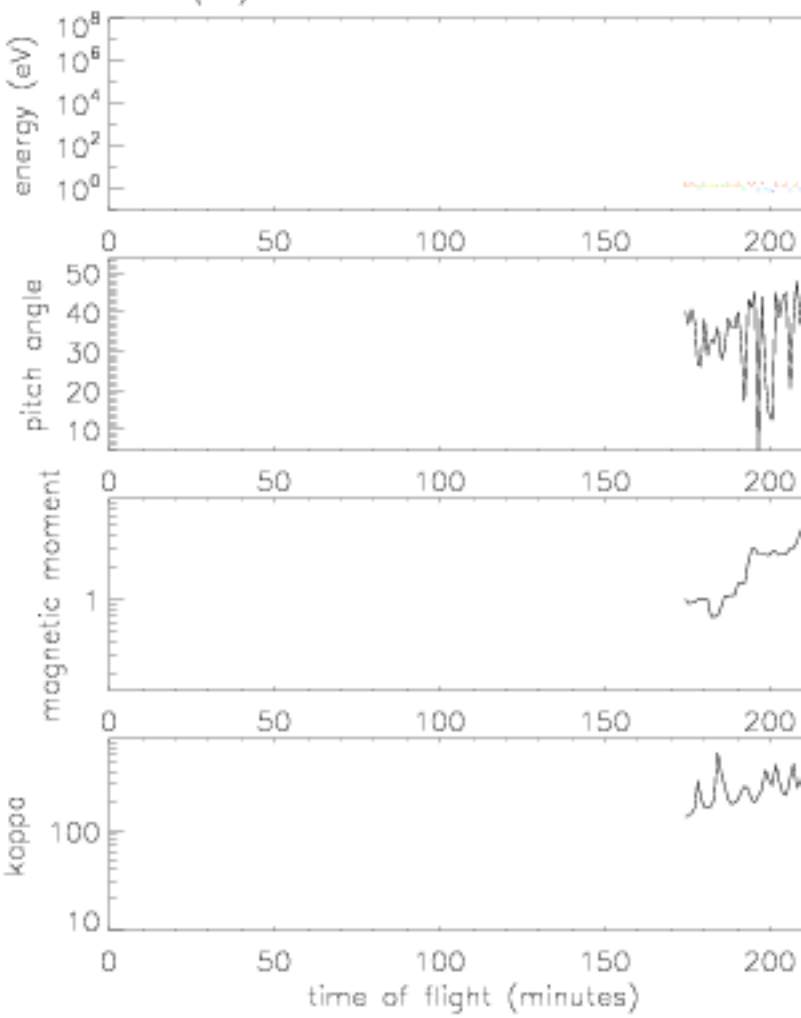

Start, Stop Parameters:

Time (minute): 174.3, 220.8
Magnetic local time: 5.075, 6.716
Magnetic latitude: 0.000, 34.520
Distance (Re): 8.63, 6.13
Energy (eV): 1.69, 0.84
Pitch angle: 40.040, 39.720
Tilt angle (deg): 0.000

file: particle0000006.full

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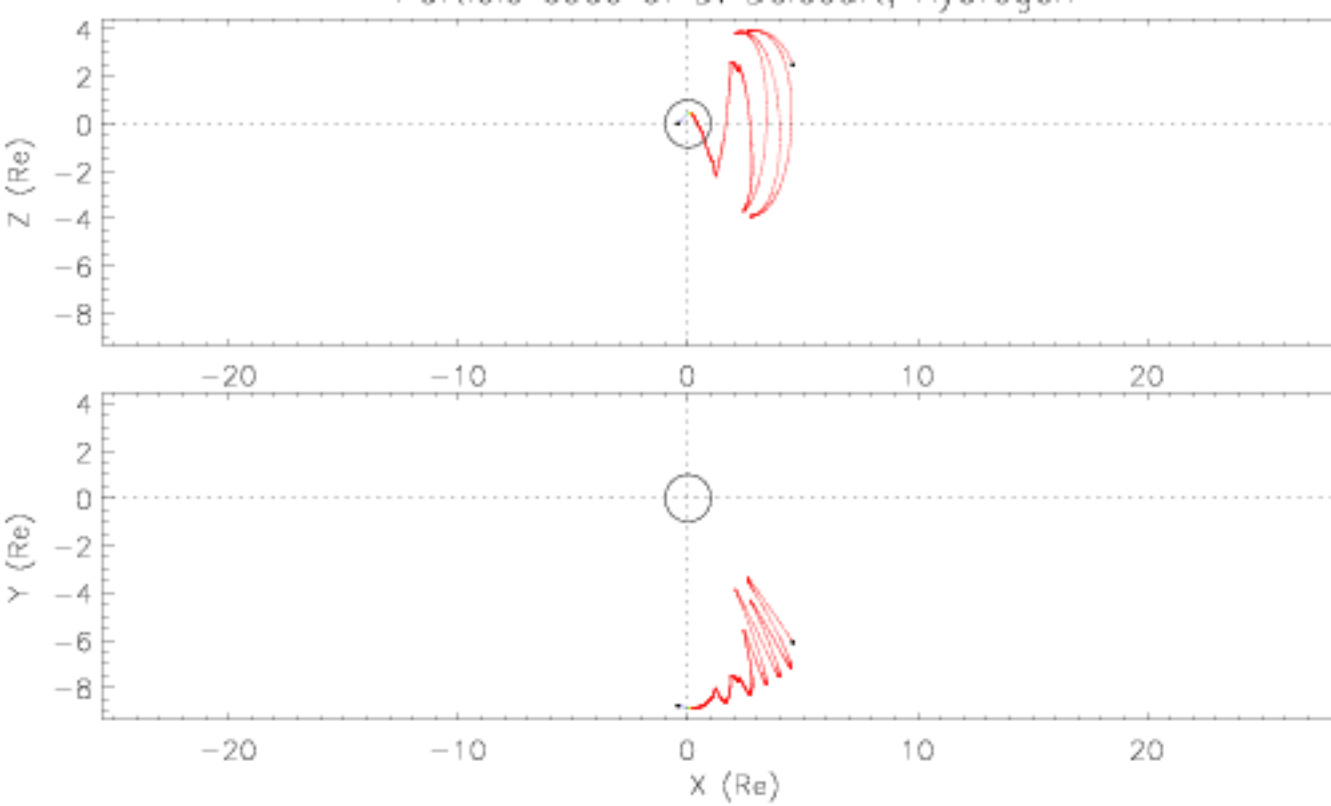

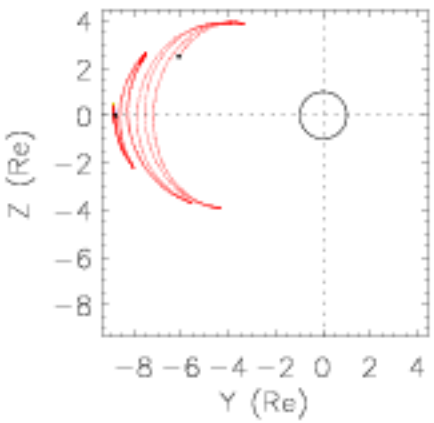

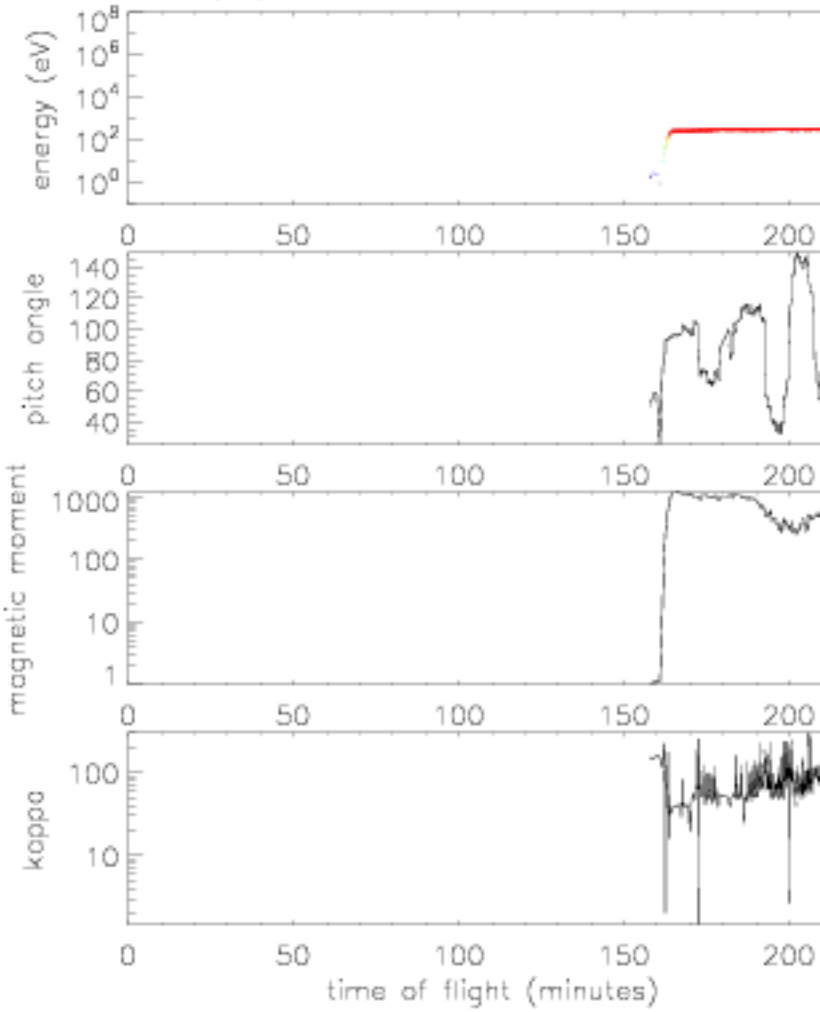

Start, Stop Parameters:

Time (minute): 158.1, 220.8
Magnetic local time: 5.814, 8.458
Magnetic latitude: 0.000, 18.100
Distance (Re): 8.78, 8.01
Energy (eV): 1.88, 317.80
Pitch angle: 49.450, 137.400
Tilt angle (deg): 0.000

file: particle0000007.full

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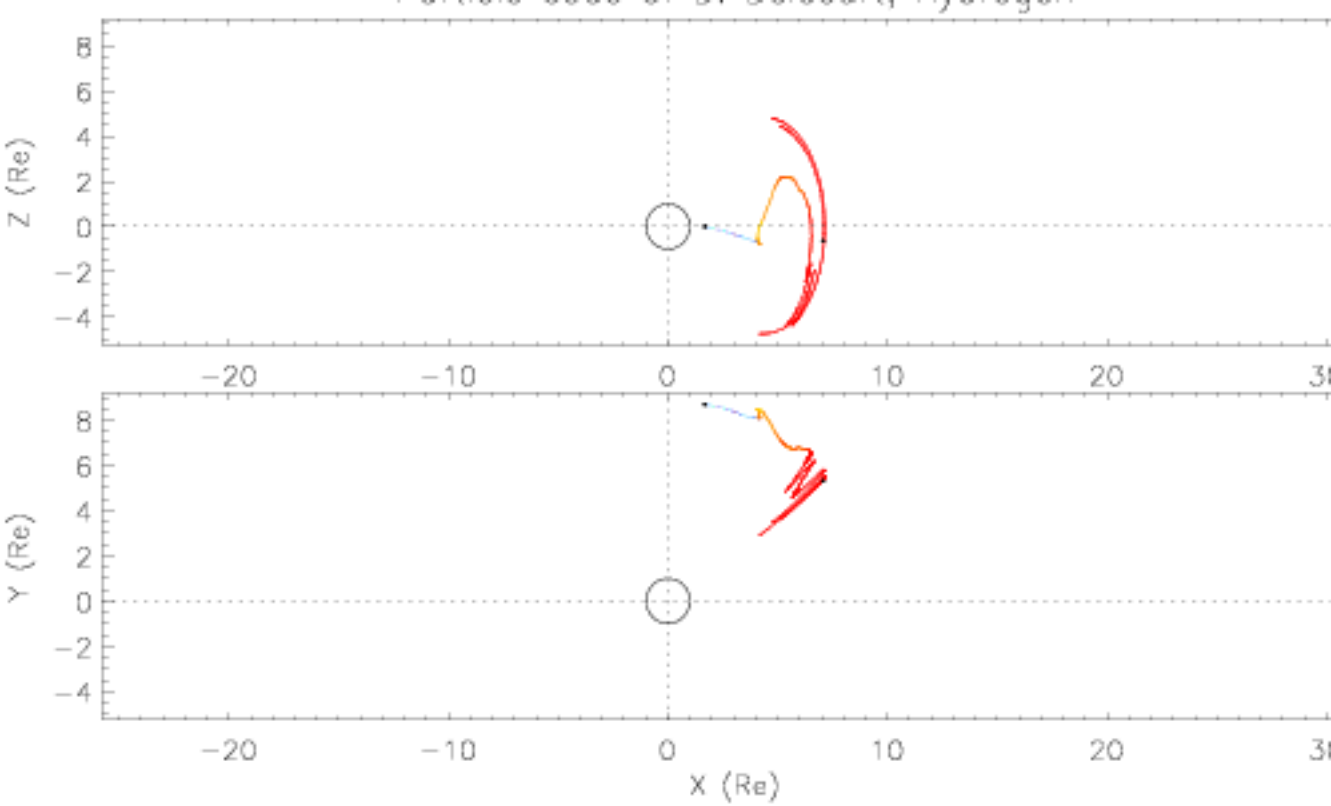

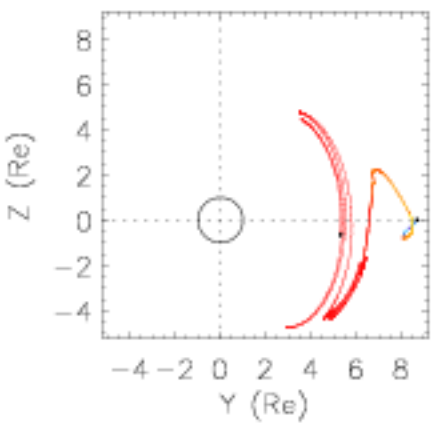

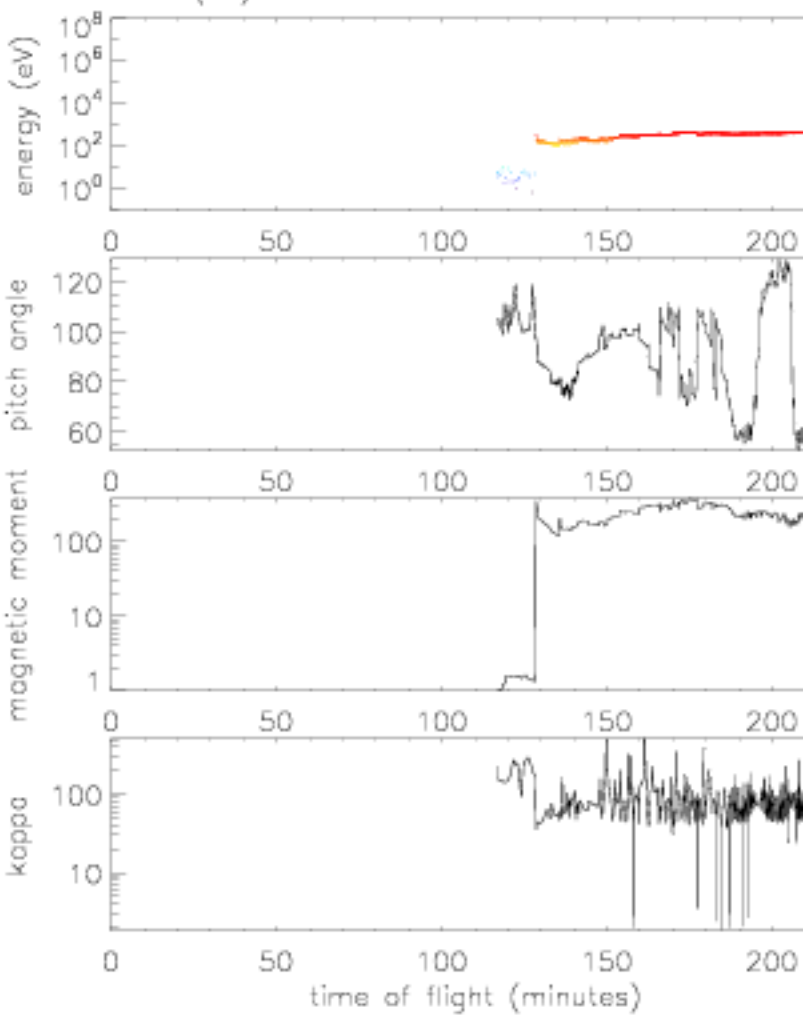

Start, Stop Parameters:

Time (minute): 116.9, 220.8
Magnetic local time: 17.270, 14.460
Magnetic latitude: 0.000, −4.150
Distance (Re): 8.85, 8.85
Energy (eV): 5.95, 461.60
Pitch angle: 102.400, 118.500
Tilt angle (deg): 0.000

file: particle0000008.full

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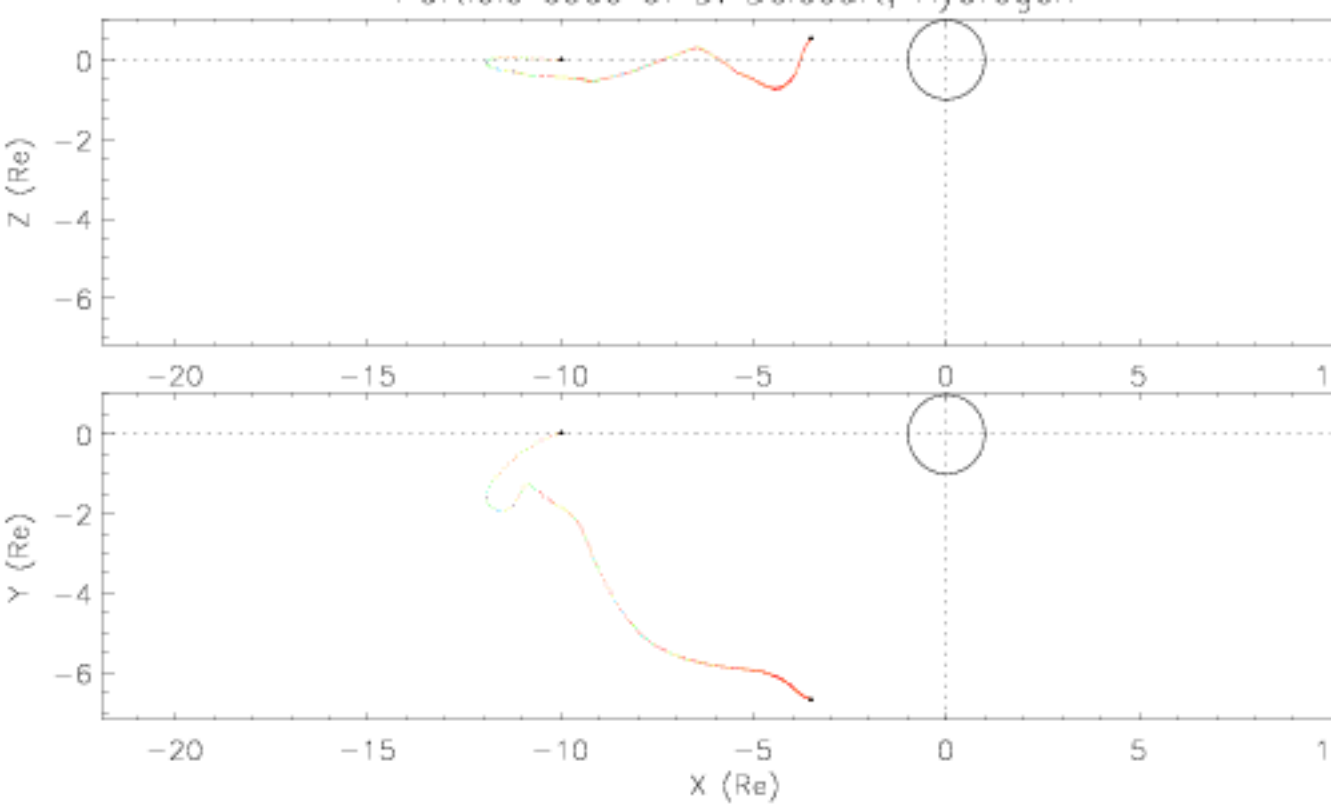

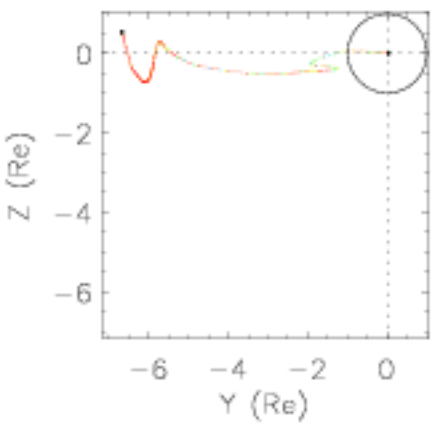

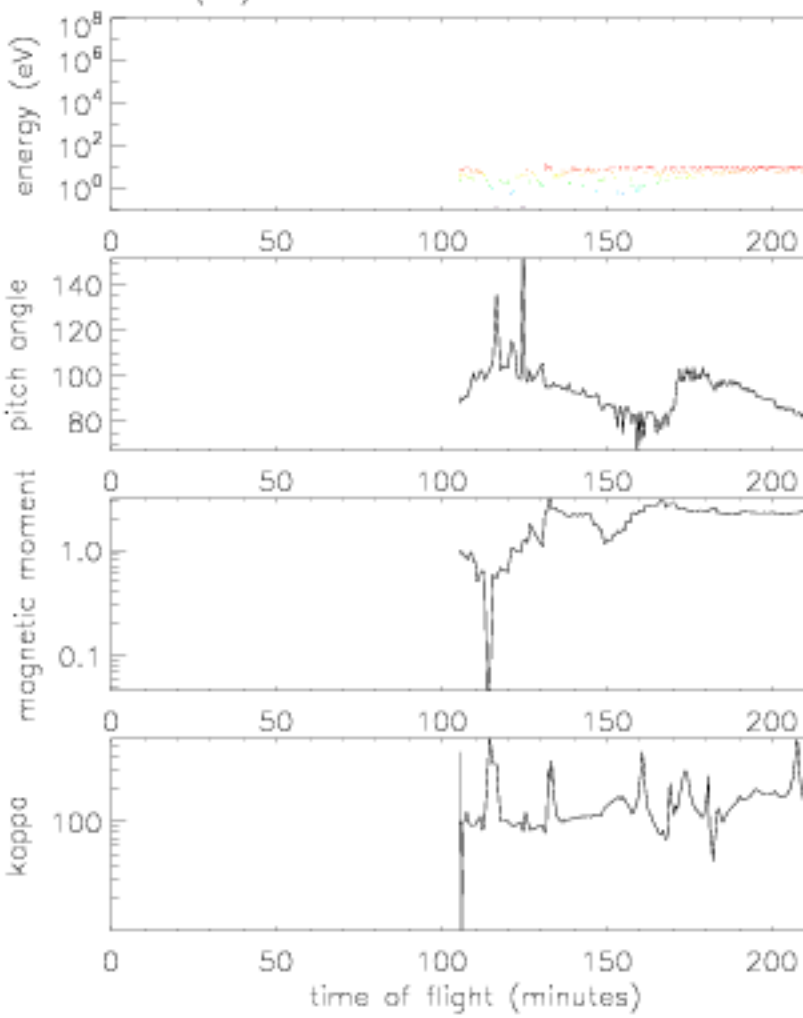

Start, Stop Parameters:

Time (minute): 105.3, 220.8
Magnetic local time: 23.990, 4.152
Magnetic latitude: 0.000, 4.041
Distance (Re): 9.98, 7.57
Energy (eV): 4.16, 7.24
Pitch angle: 88.420, 80.040
Tilt angle (deg): 0.000

file: particle0000009.full

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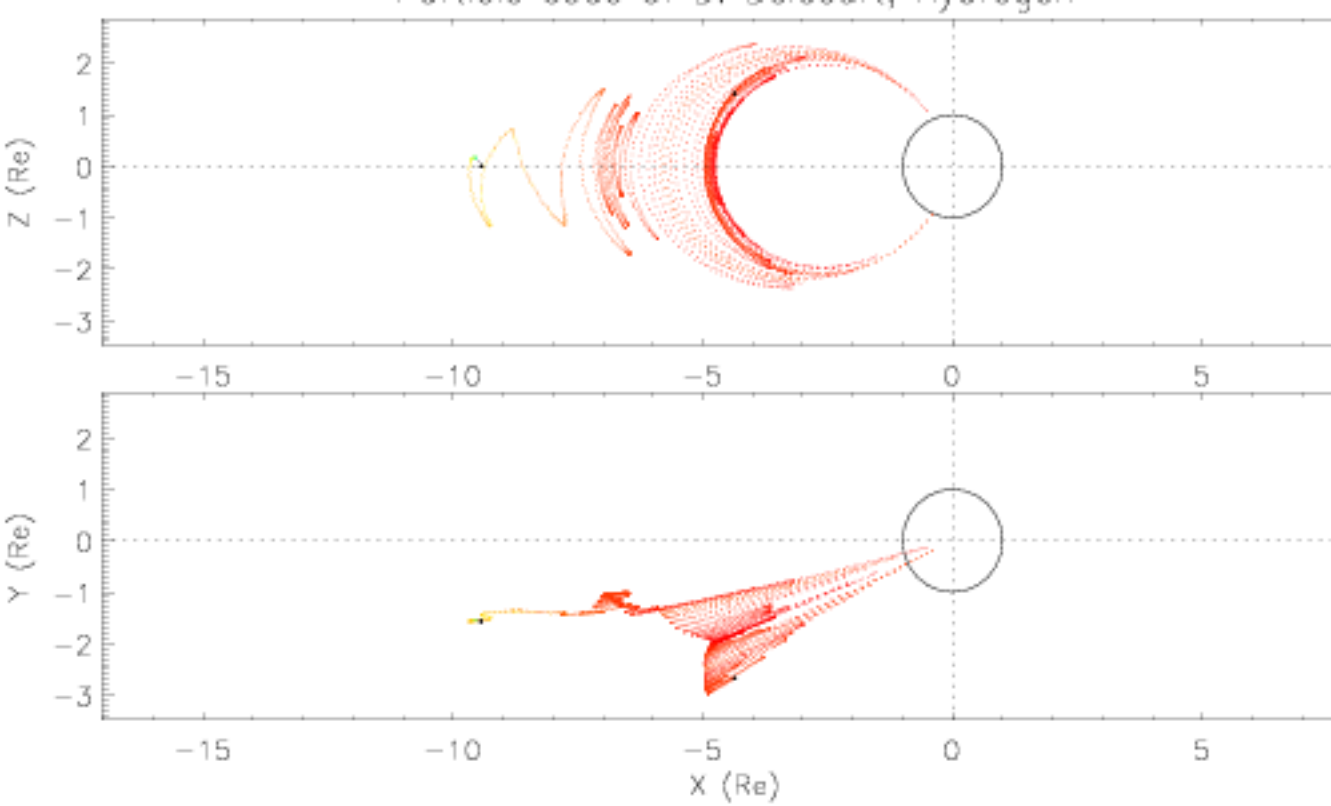

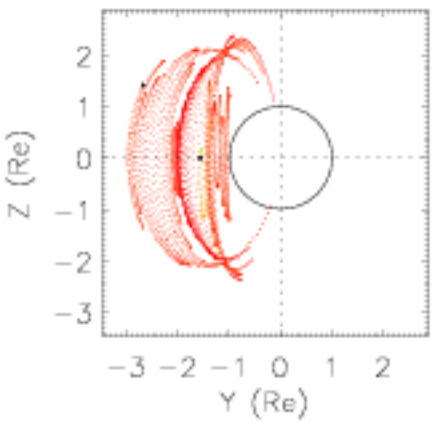

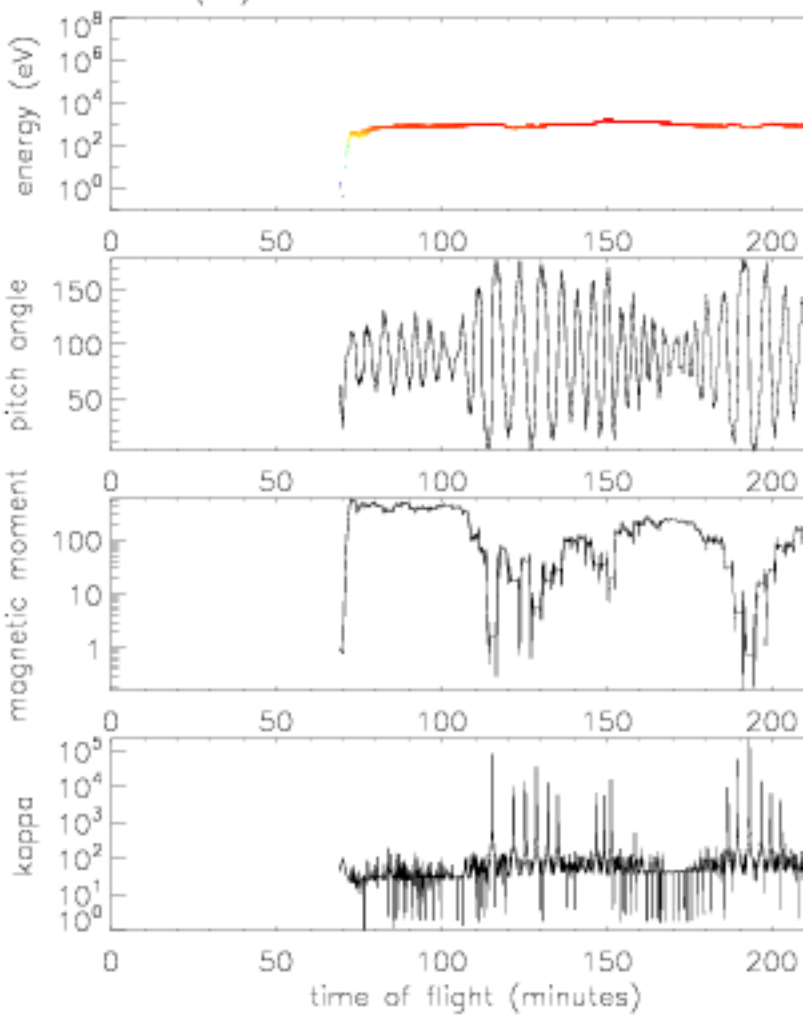

Start, Stop Parameters:

Time (minute): 68.9, 220.8
Magnetic local time: 0.627, 2.101
Magnetic latitude: 0.000, 15.420
Distance (Re): 9.56, 5.31
Energy (eV): 1.31, 928.10
Pitch angle: 56.400, 75.800
Tilt angle (deg): 0.000

file: particle0000010.full

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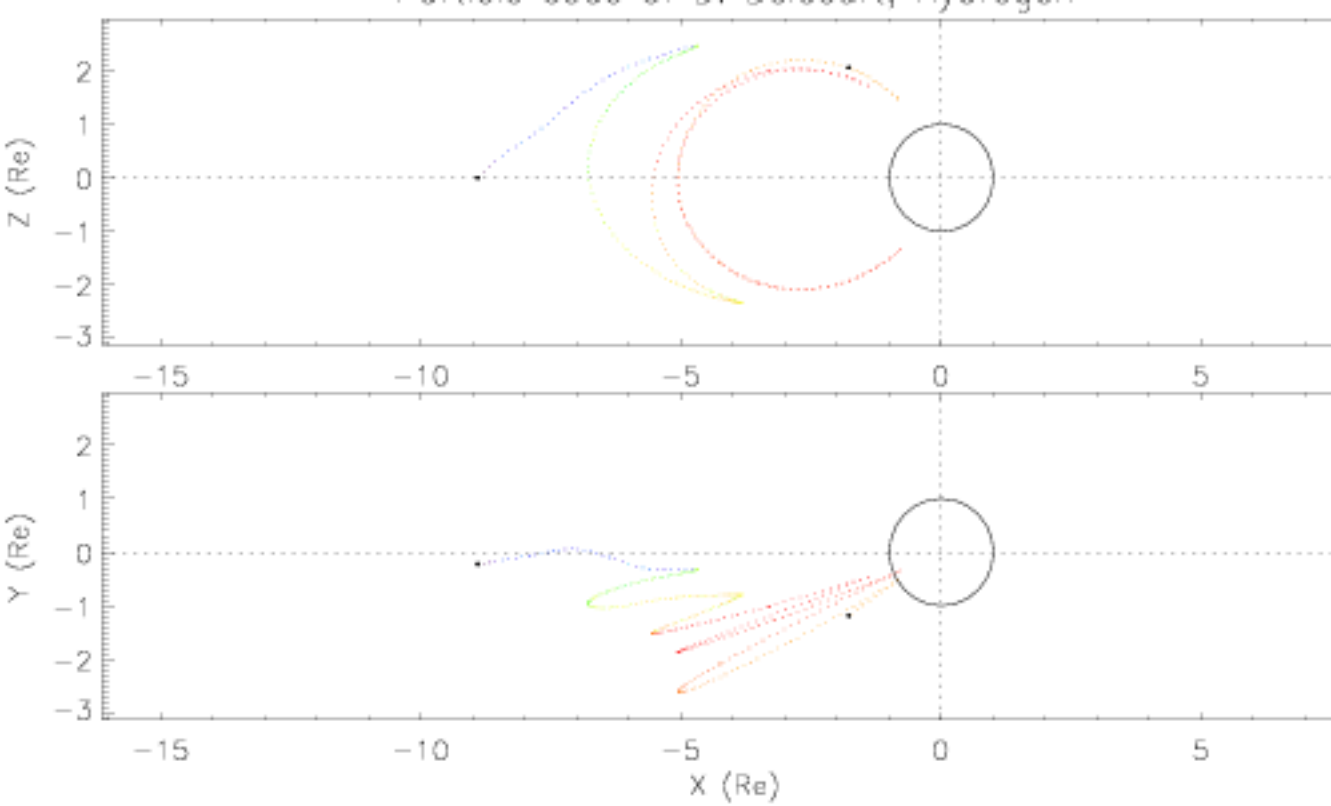

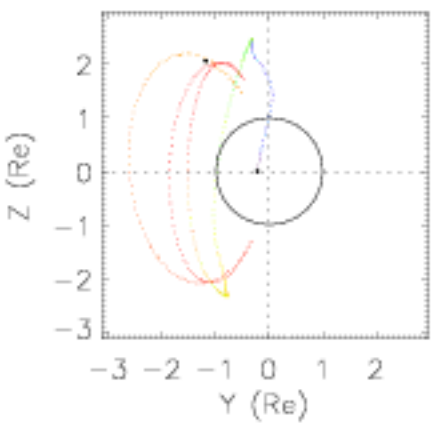

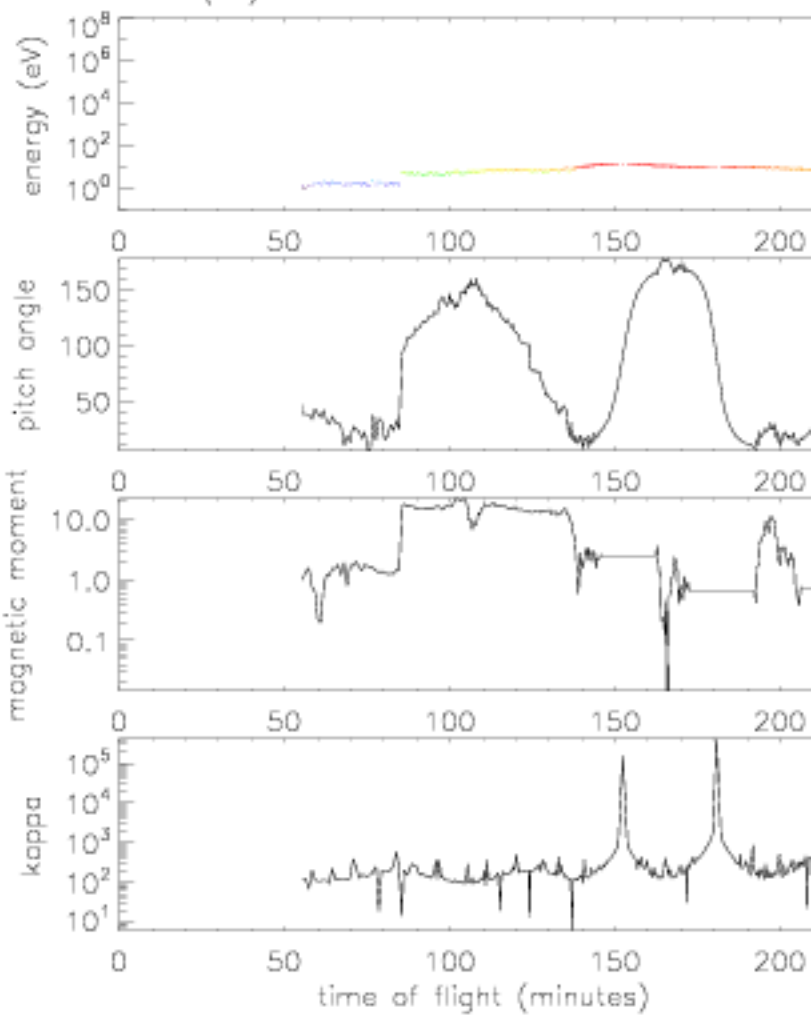

Start, Stop Parameters:

Time (minute): 55.3, 220.8
Magnetic local time: 0.095, 2.241
Magnetic latitude: 0.000, 43.910
Distance (Re): 8.91, 2.96
Energy (eV): 1.40, 8.97
Pitch angle: 46.440, 153.900
Tilt angle (deg): 0.000

file: particle0000011.full

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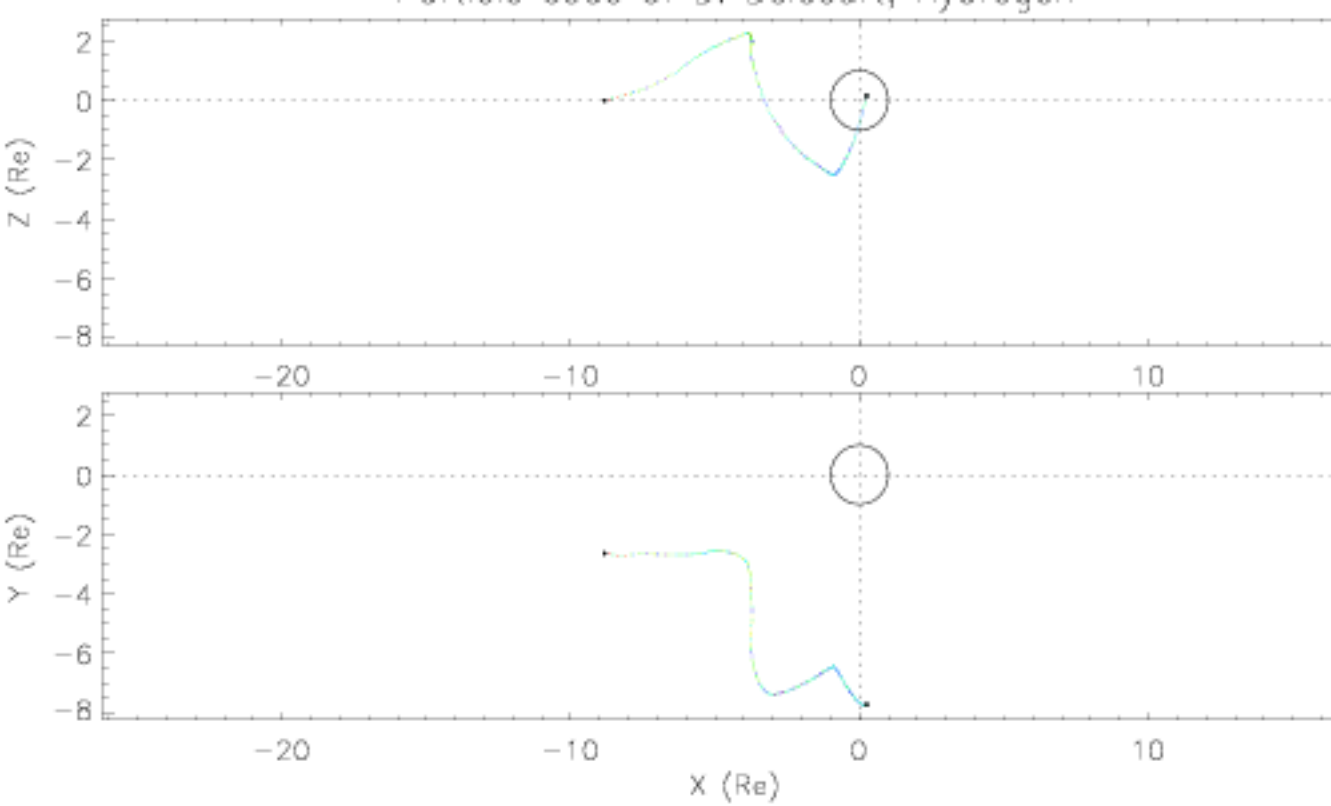

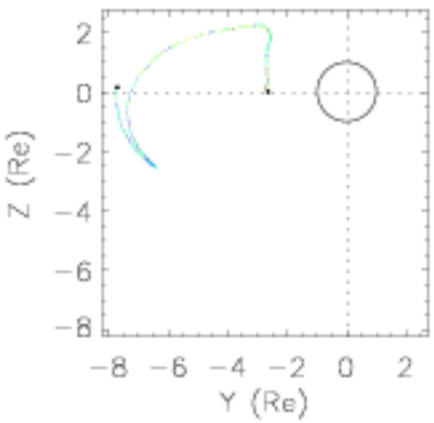

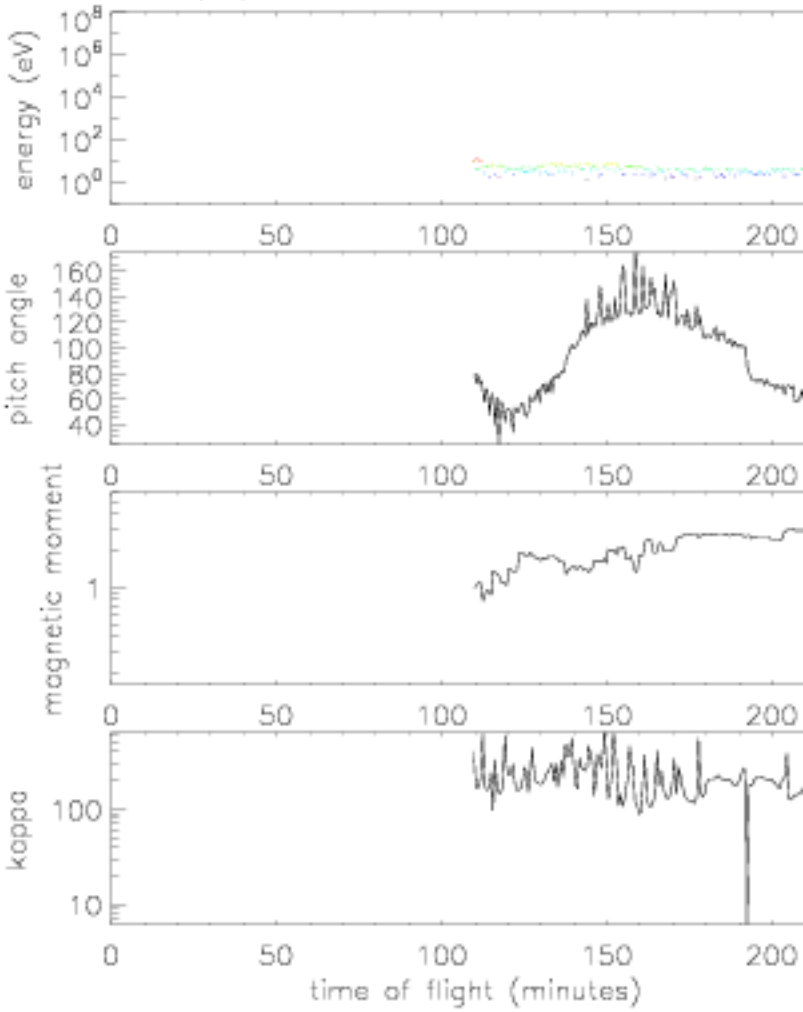

Start, Stop Parameters:

Time (minute): 109.8, 220.8
Magnetic local time: 1.111, 6.123
Magnetic latitude: 0.000, 1.089
Distance (Re): 9.22, 7.72
Energy (eV): 11.96, 3.74
Pitch angle: 78.740, 47.360
Tilt angle (deg): 0.000

file: particle0000012.full

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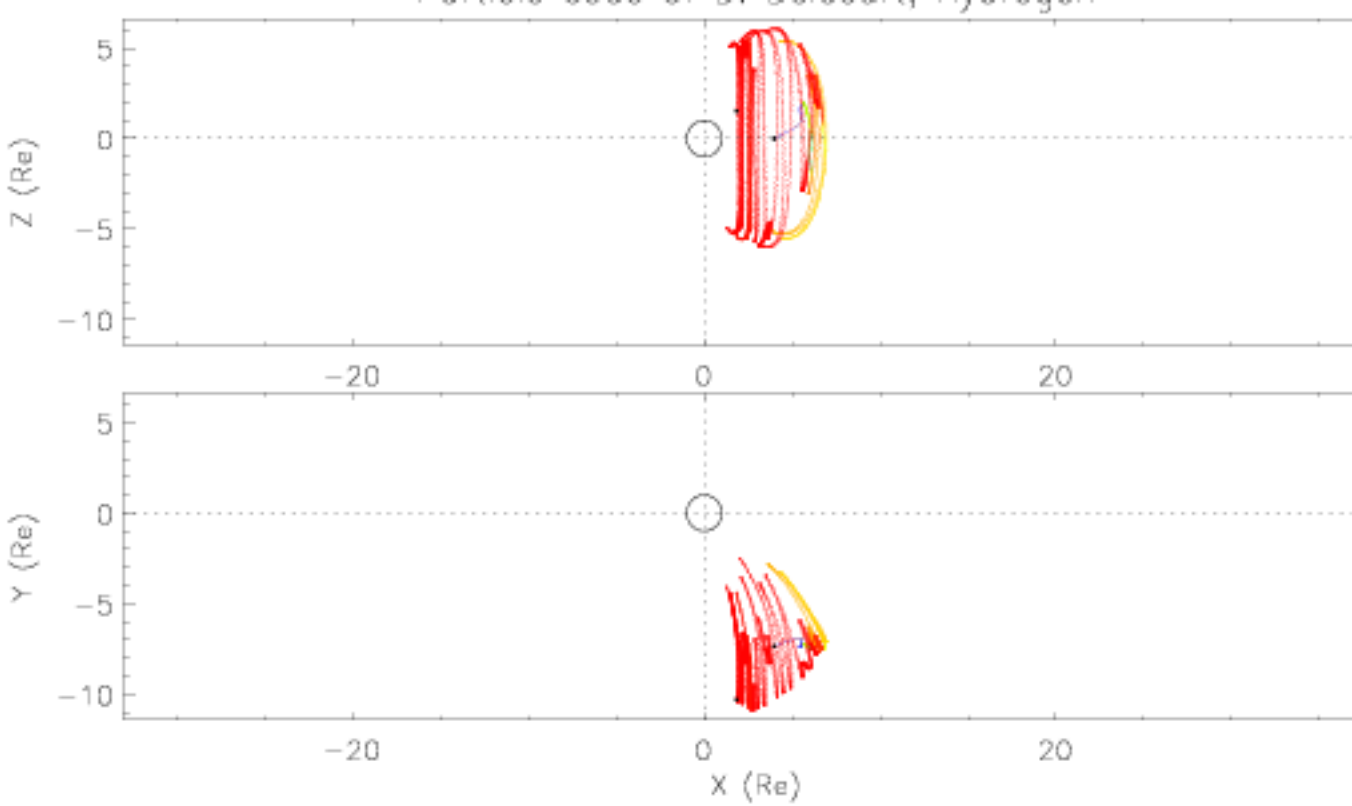

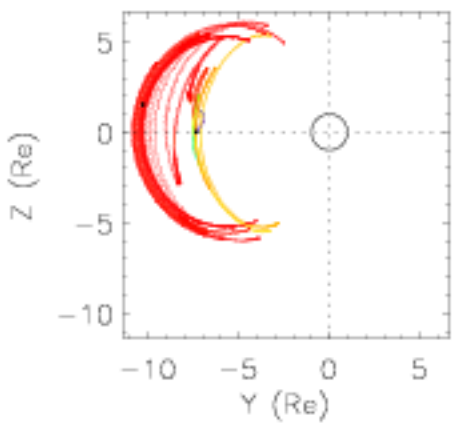

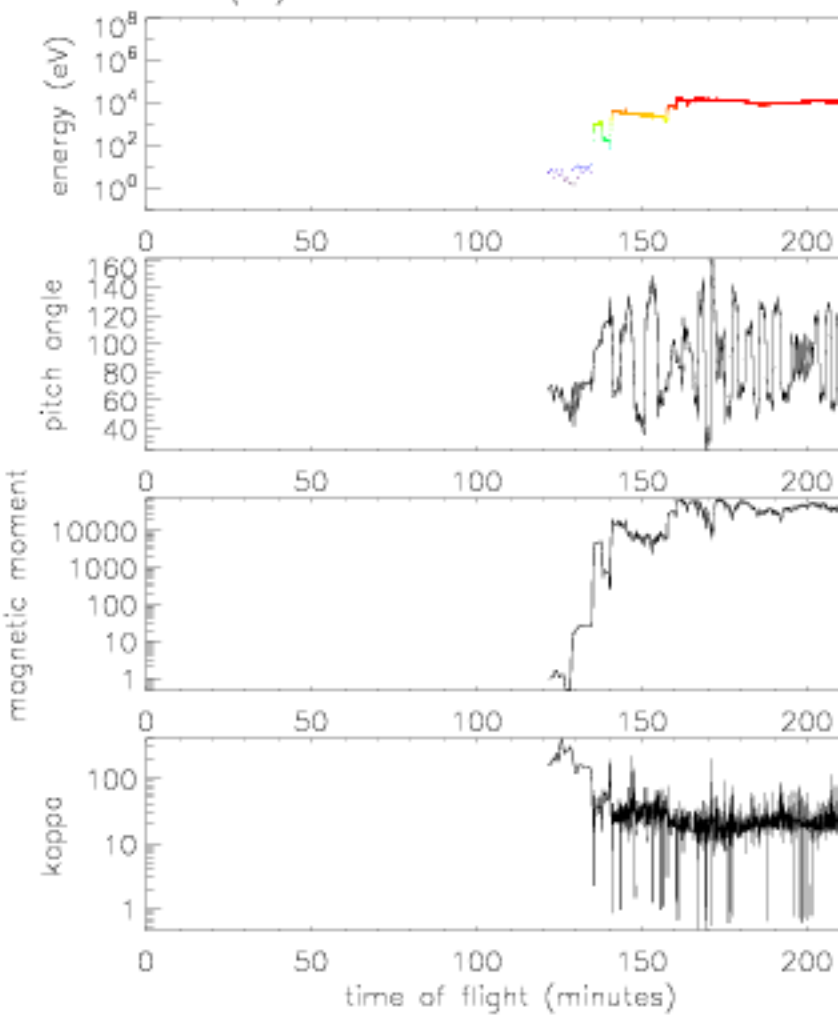

Start, Stop Parameters:

Time (minute): 121.7, 220.8
Magnetic local time: 7.898, 6.679
Magnetic latitude: 0.000, 8.285
Distance (Re): 8.37, 10.58
Energy (eV): 6.43, 12460.00
Pitch angle: 66.750, 122.100
Tilt angle (deg): 0.000

file: particle0000013.full

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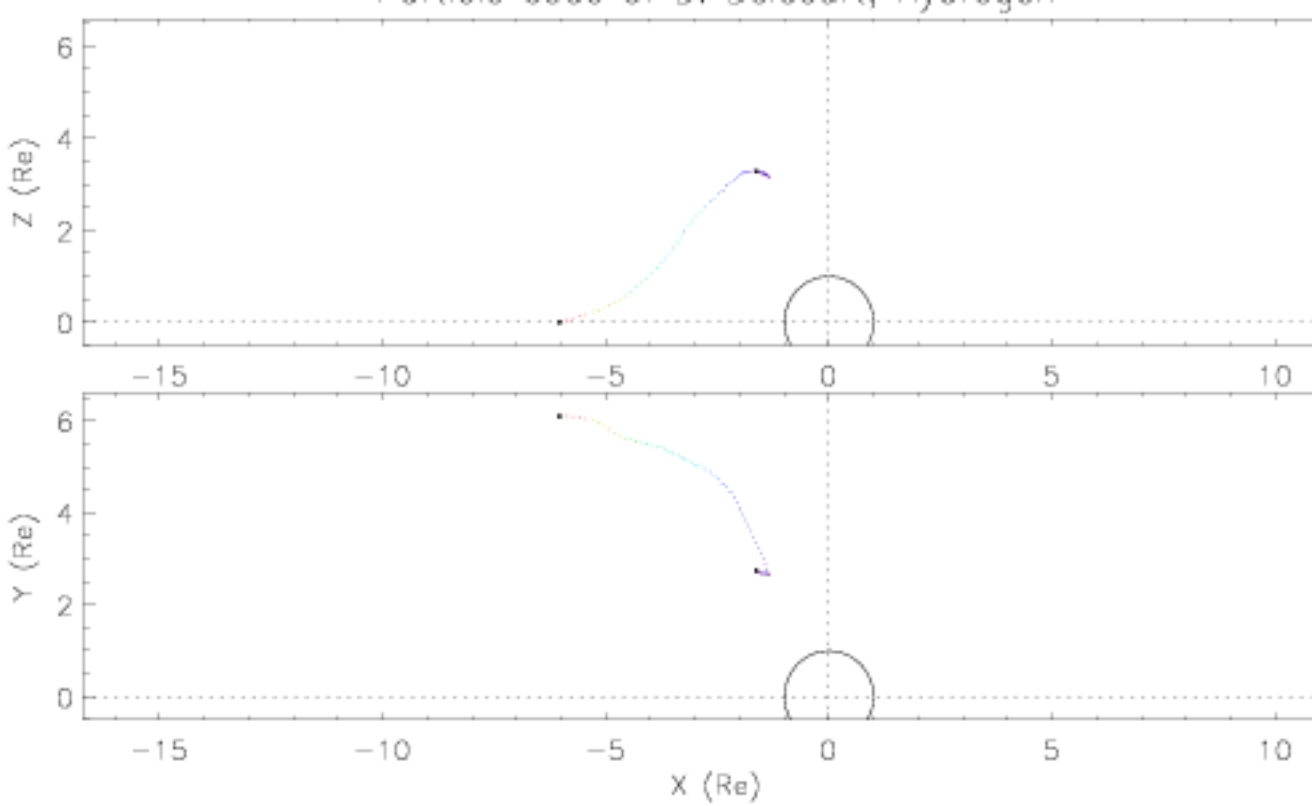
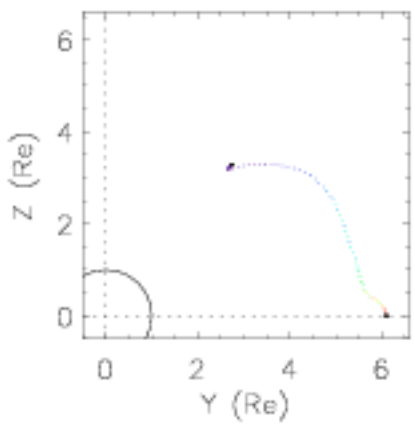
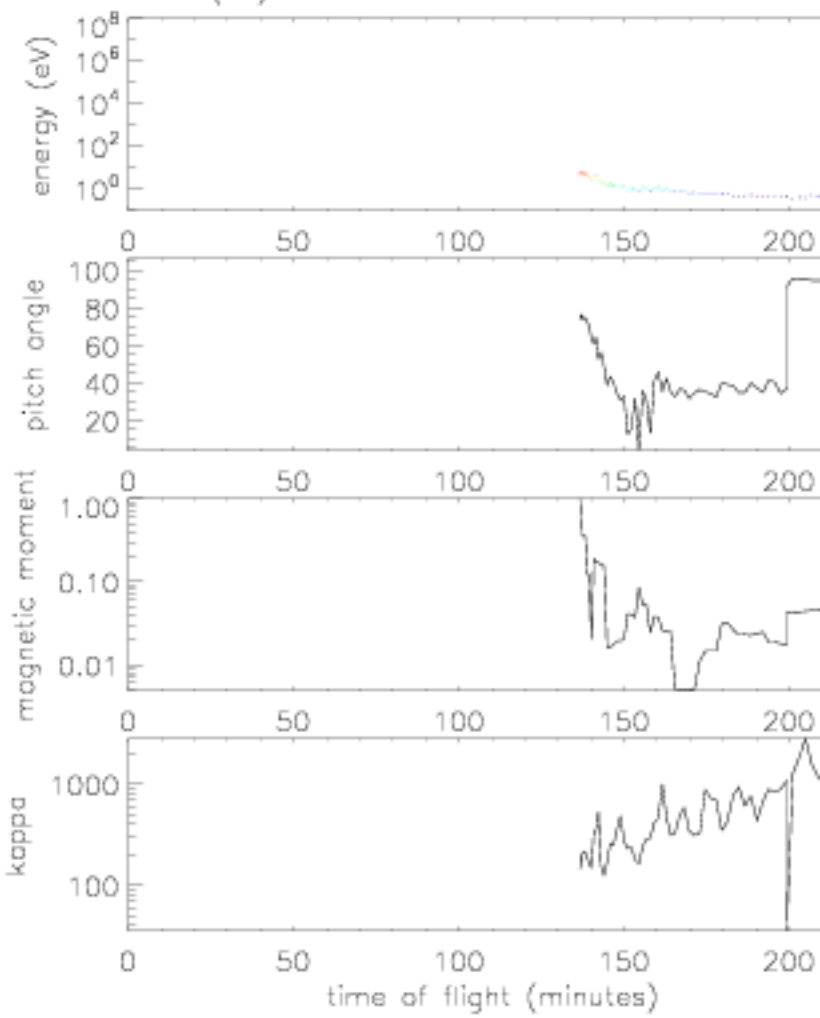




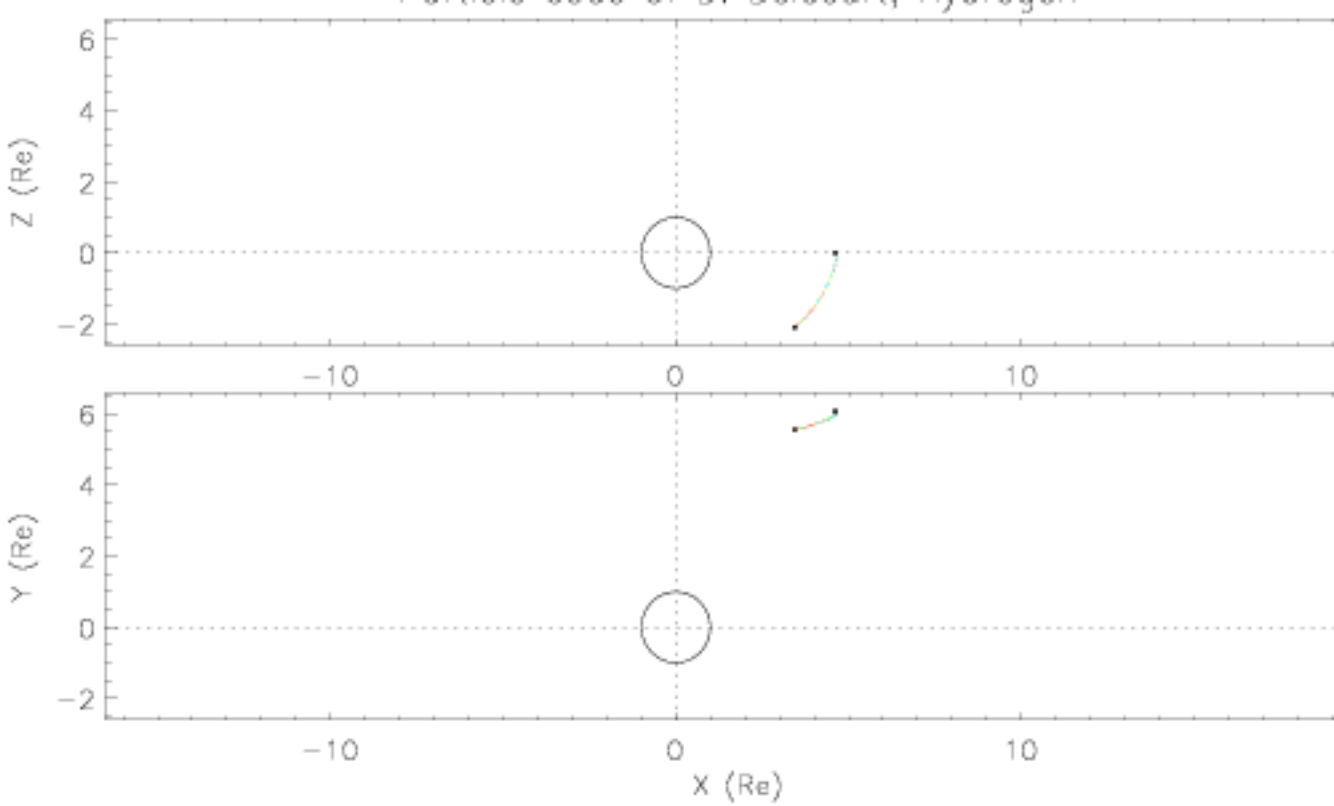


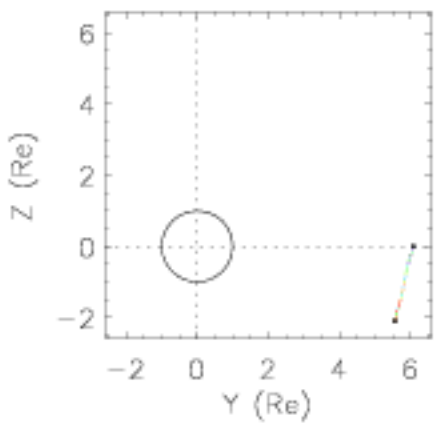
Start, Stop Parameters:

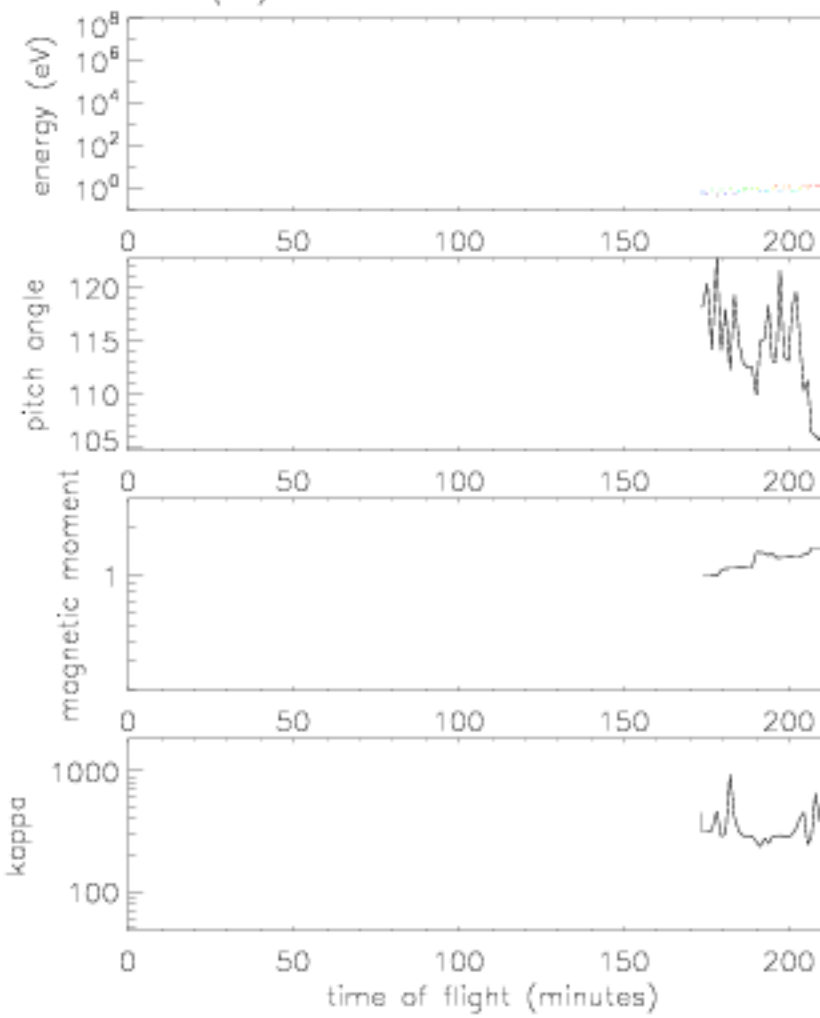
Time (minute): 136.6, 220.8
Magnetic local time: 20.980, 20.050
Magnetic latitude: 0.000, 45.790
Distance (Re): 8.58, 4.57
Energy (eV): 6.53, 0.33
Pitch angle: 76.360, 106.300
Tilt angle (deg): 0.000

file: particle0000014.full

Thu Nov 2 12:05:30 2006





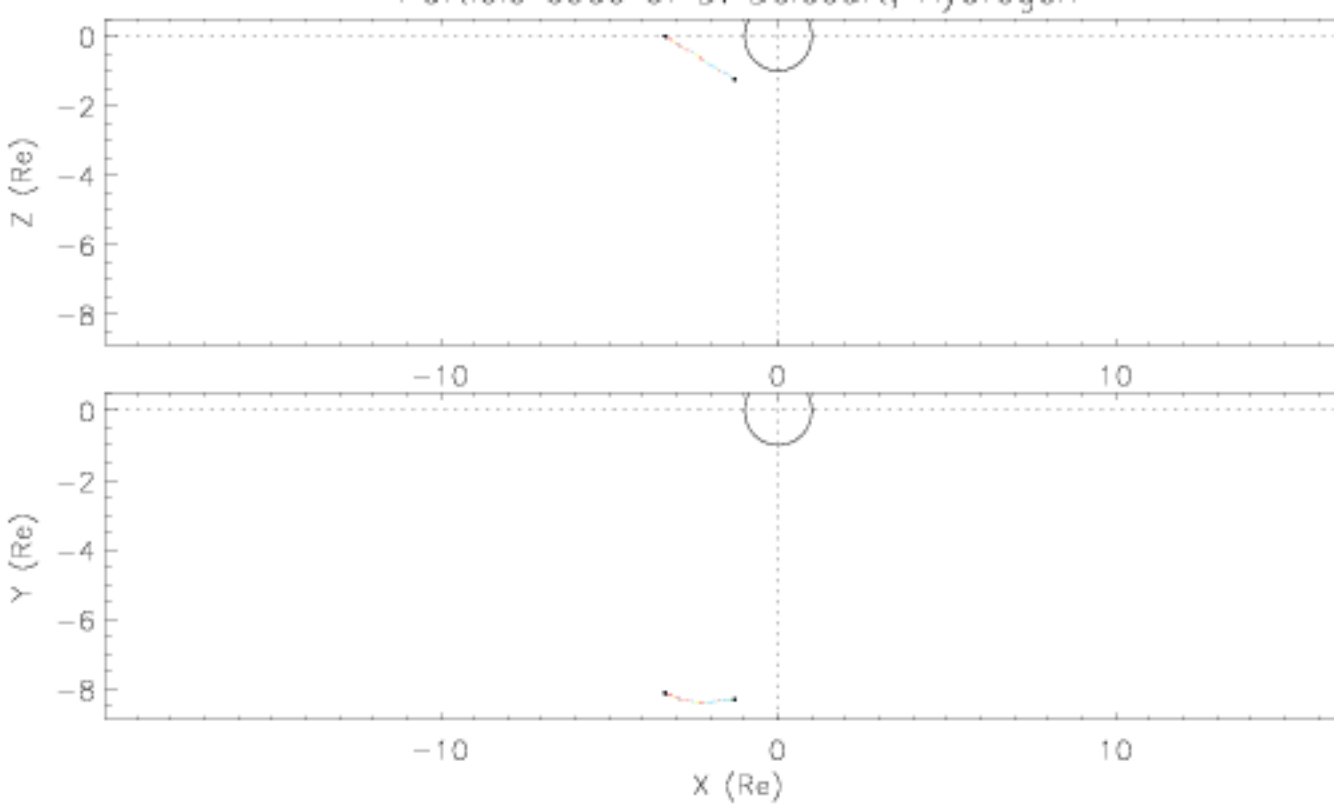


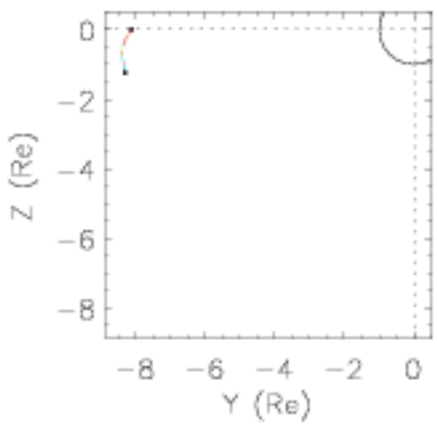
Start, Stop Parameters:

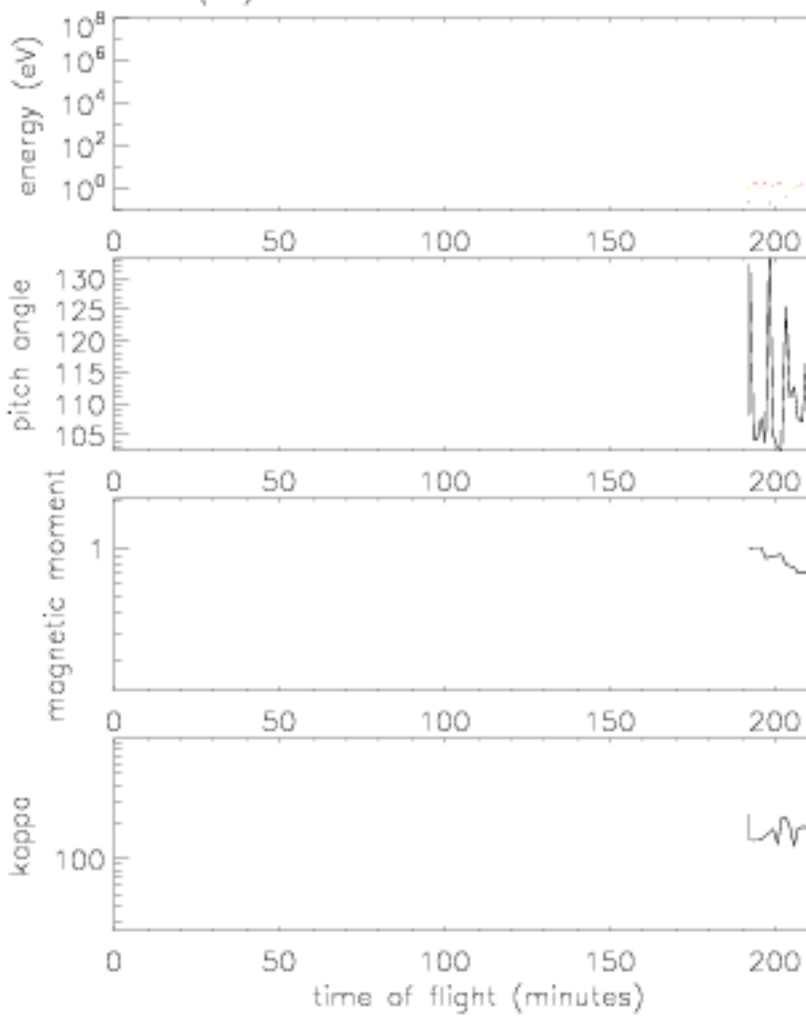
Time (minute): 173.7, 220.8
Magnetic local time: 15.520, 15.880
Magnetic latitude: 0.000, −17.780
Distance (Re): 7.63, 6.86
Energy (eV): 0.71, 1.53
Pitch angle: 118.100, 104.700
Tilt angle (deg): 0.000

file: particle0000015.full

Thu Nov 2 12:05:31 2006





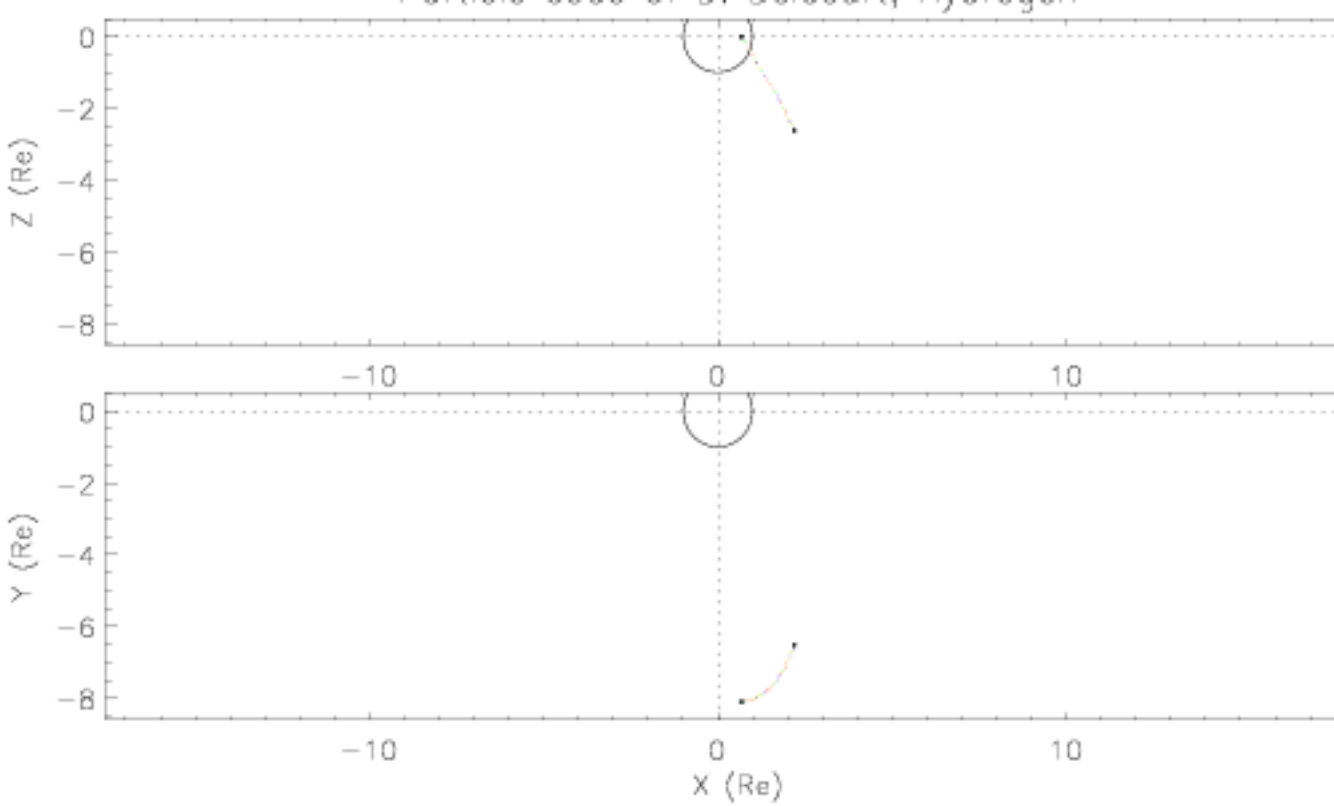


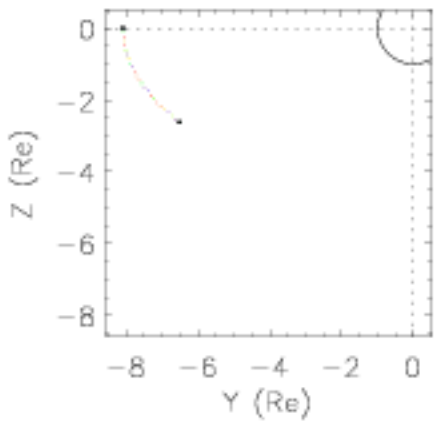
Start, Stop Parameters:

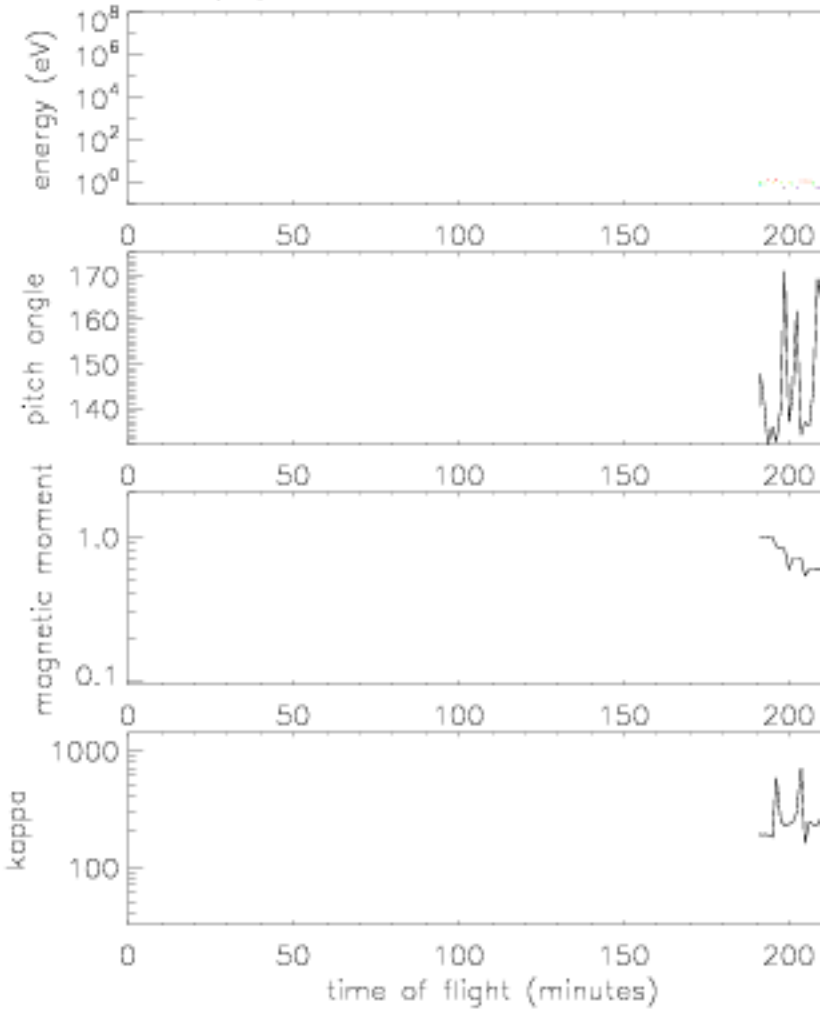
Time (minute): 192.2, 220.8
Magnetic local time: 4.508, 5.413
Magnetic latitude: 0.000, −8.383
Distance (Re): 8.78, 8.49
Energy (eV): 1.15, 0.48
Pitch angle: 108.100, 119.700
Tilt angle (deg): 0.000

file: particle0000016.full

Thu Nov 2 12:05:31 2006





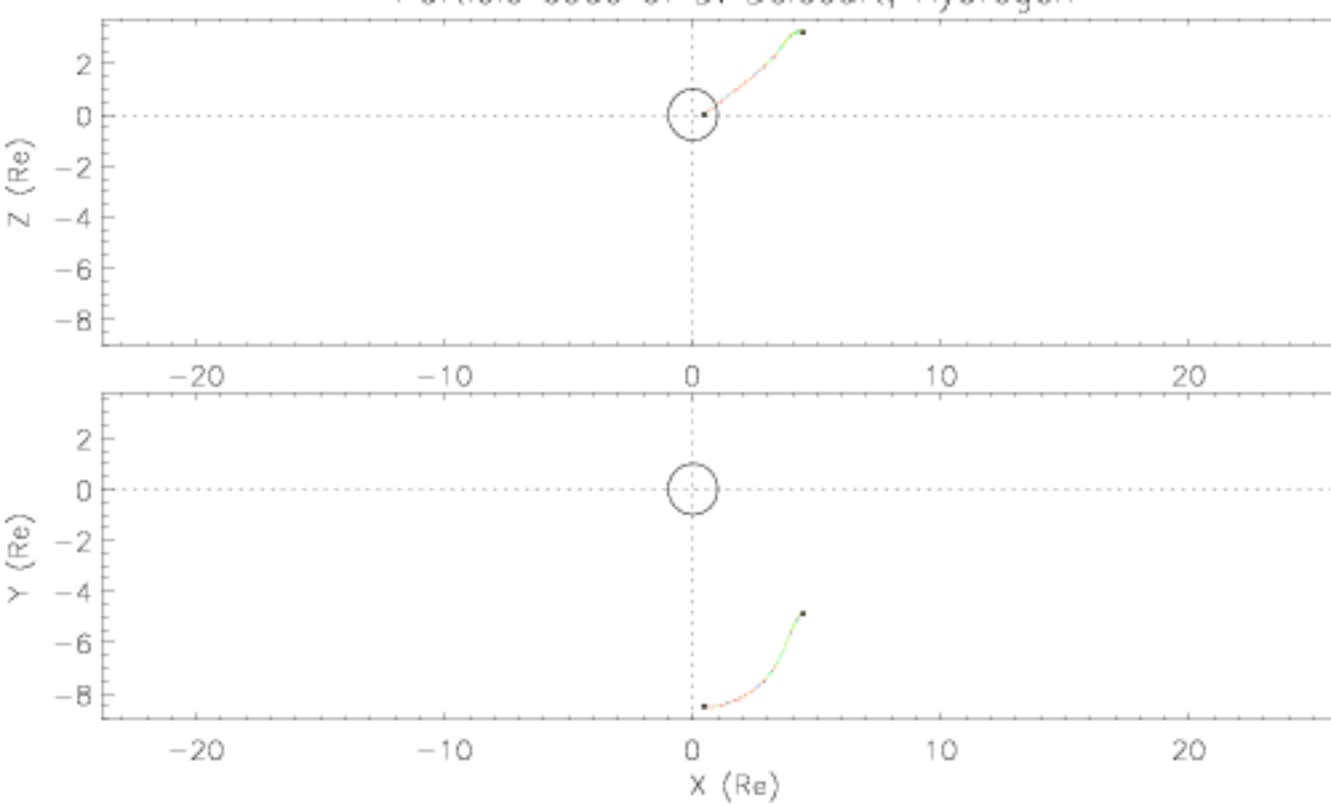


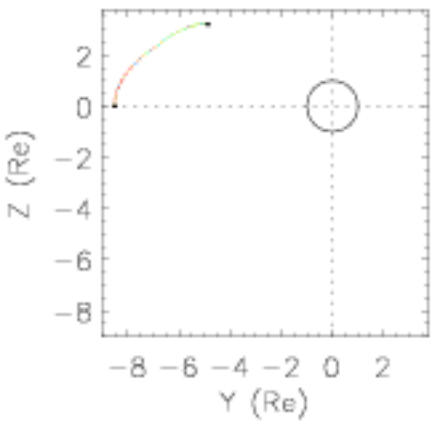
Start, Stop Parameters:

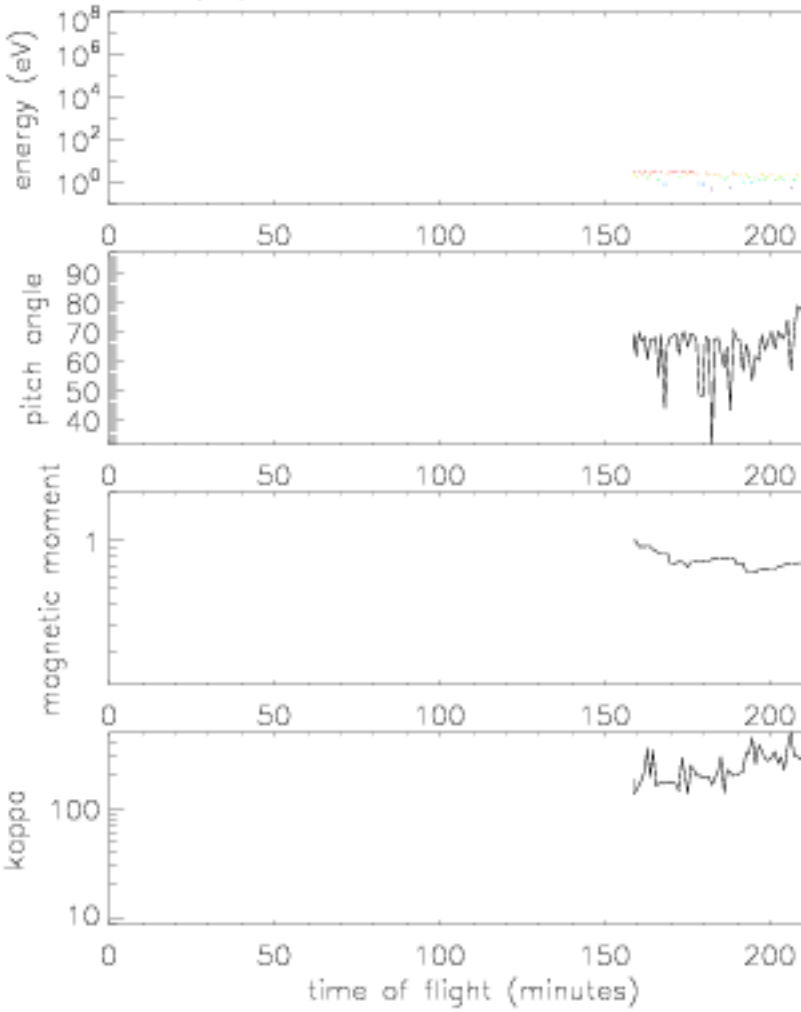
Time (minute): 191.2, 220.8
Magnetic local time: 6.322, 7.239
Magnetic latitude: 0.000, −20.810
Distance (Re): 8.12, 7.36
Energy (eV): 0.99, 0.90
Pitch angle: 140.400, 143.700
Tilt angle (deg): 0.000

file: particle0000017.full

Thu Nov 2 12:05:31 2006





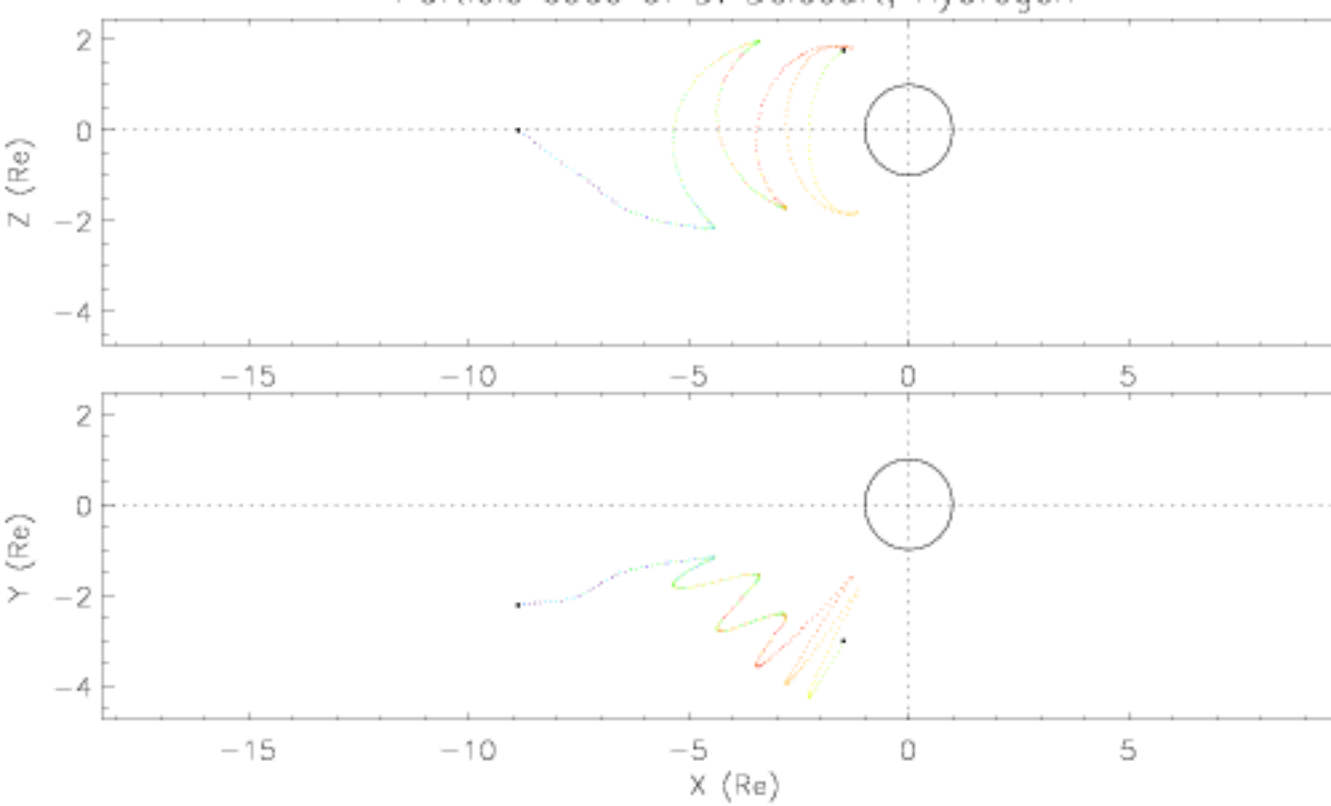


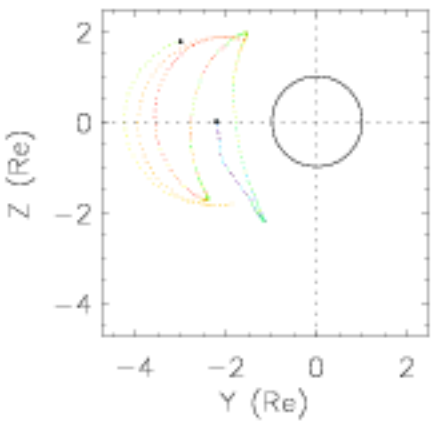
Start, Stop Parameters:

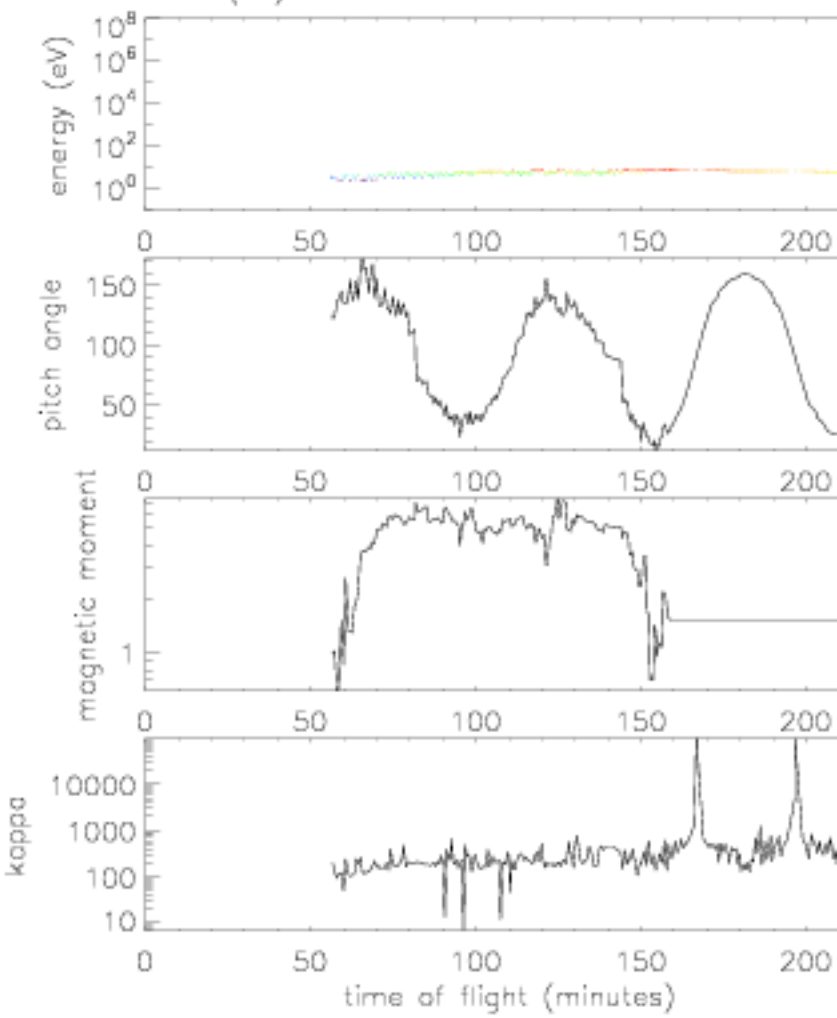
Time (minute): 158.5, 220.8
Magnetic local time: 6.202, 8.823
Magnetic latitude: 0.000, 26.020
Distance (Re): 8.51, 7.32
Energy (eV): 2.35, 2.12
Pitch angle: 64.440, 96.930
Tilt angle (deg): 0.000

file: particle0000018.full

Thu Nov 2 12:05:31 2006





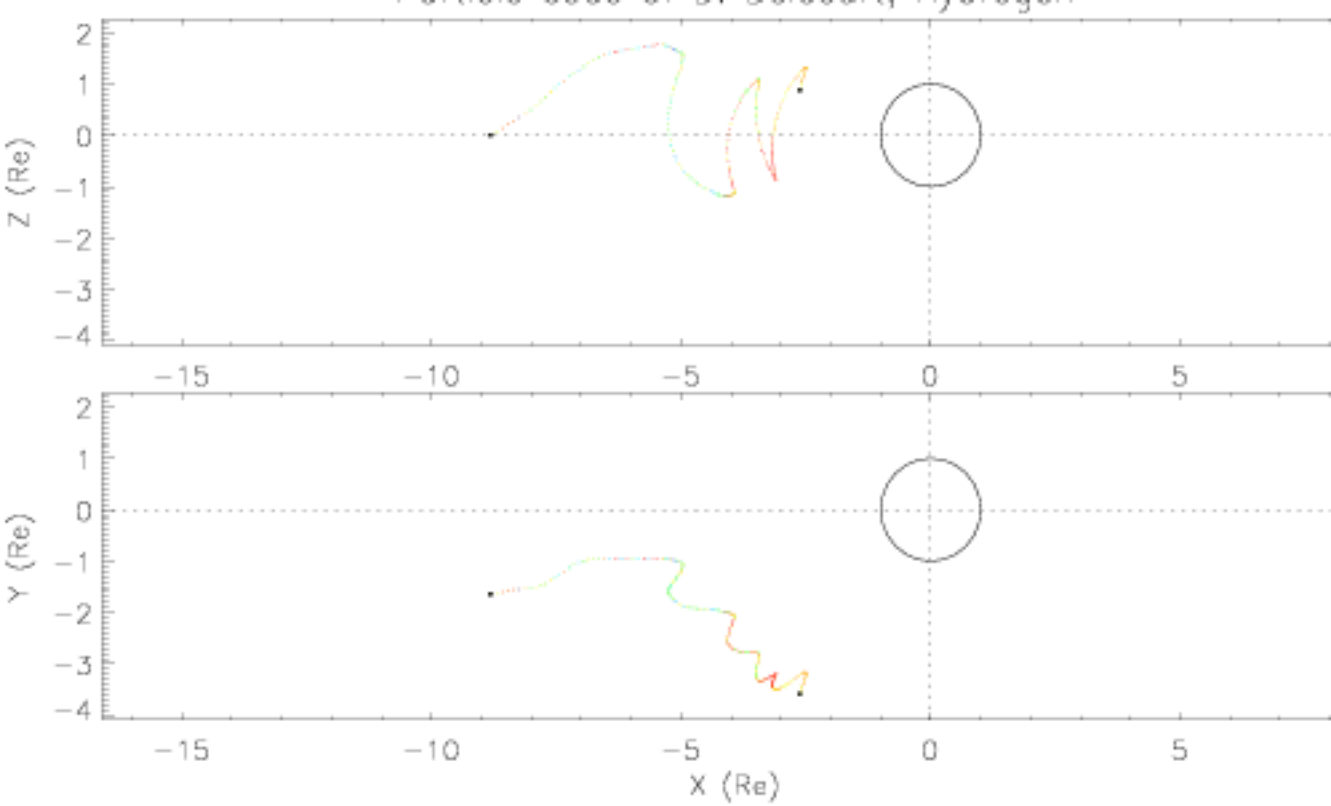


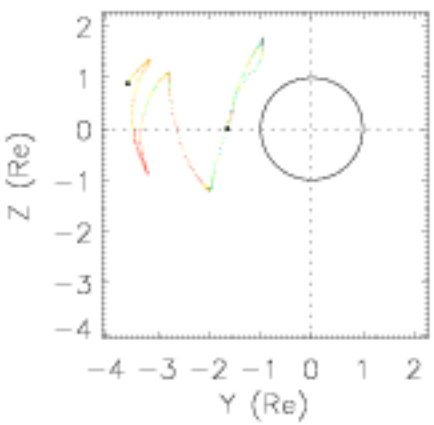
Start, Stop Parameters:

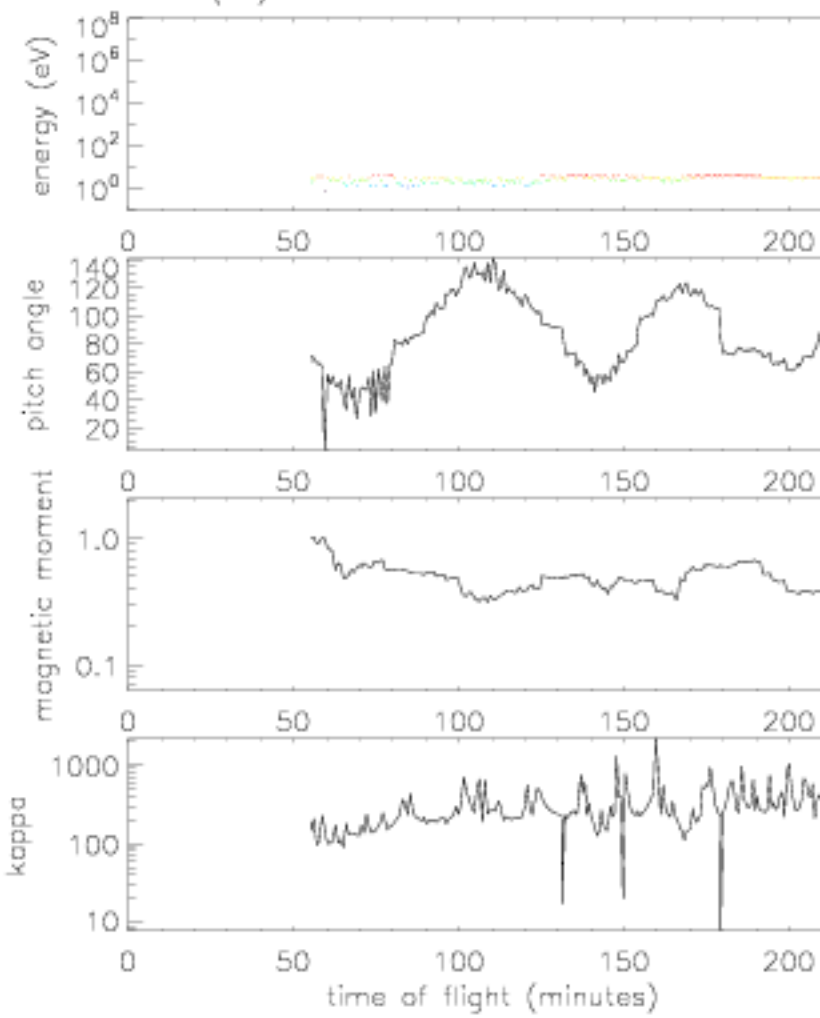
Time (minute): 56.6, 220.8
Magnetic local time: 0.936, 4.259
Magnetic latitude: 0.000, 27.710
Distance (Re): 9.14, 3.79
Energy (eV): 3.23, 5.79
Pitch angle: 125.500, 41.800
Tilt angle (deg): 0.000

file: particle0000019.full

Thu Nov 2 12:05:31 2006







Start, Stop Parameters:

Time (minute): 55.2, 220.8
Magnetic local time: 0.703, 3.583
Magnetic latitude: 0.000, 11.180
Distance (Re): 8.97, 4.53
Energy (eV): 2.19, 3.82
Pitch angle: 66.360, 116.500
Tilt angle (deg): 0.000

file: particle0000020.full

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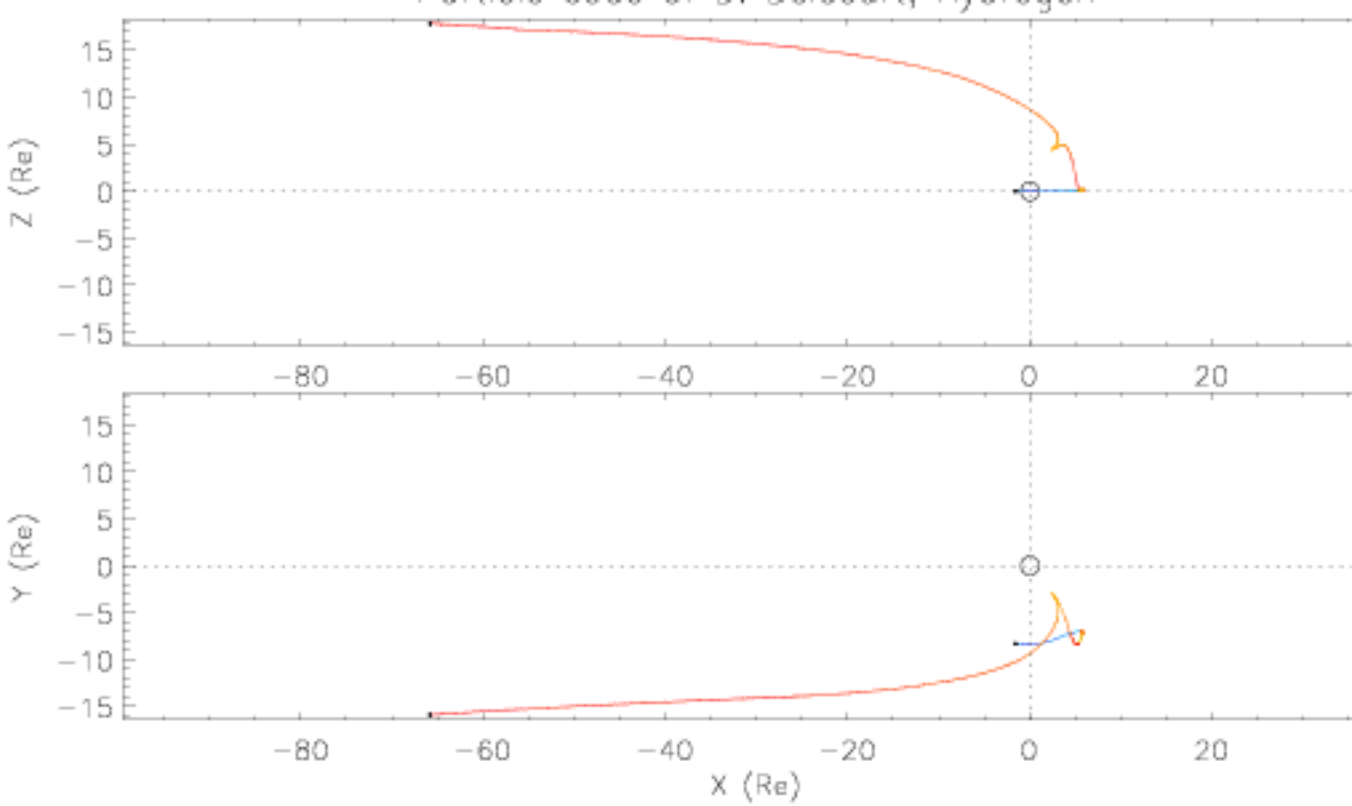
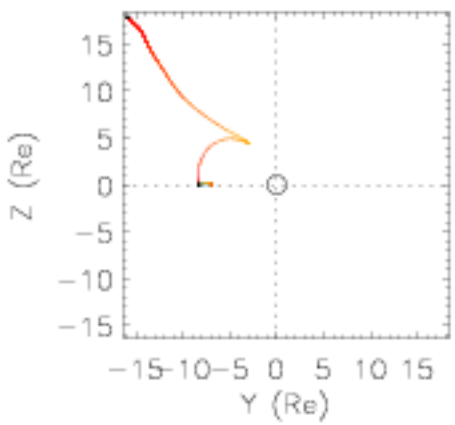
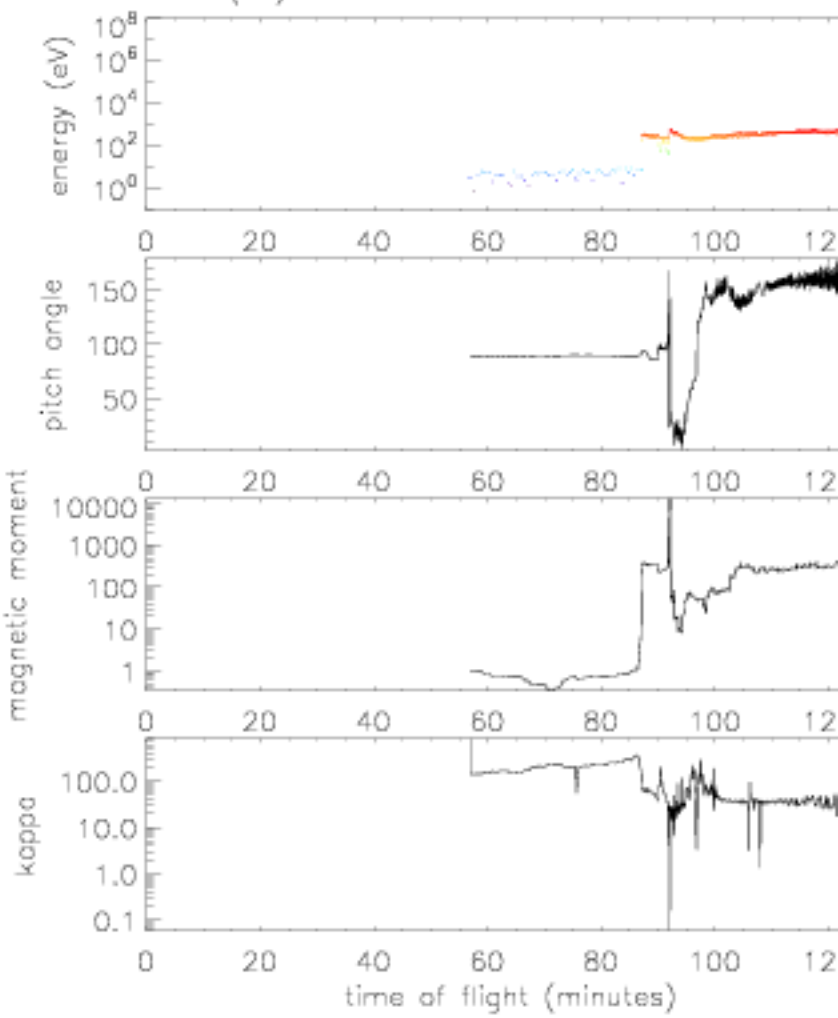




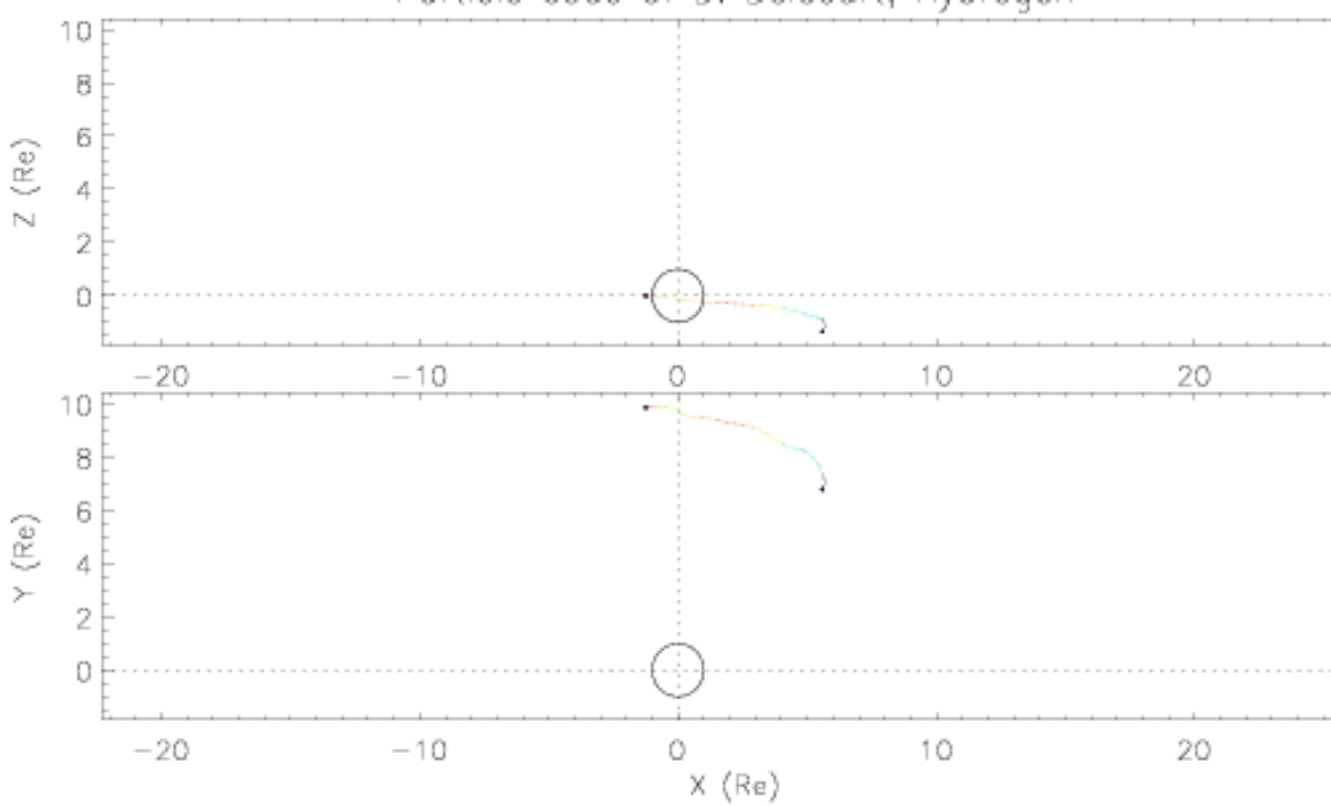


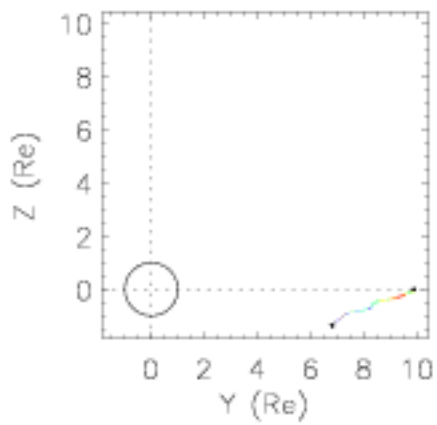
Start, Stop Parameters:

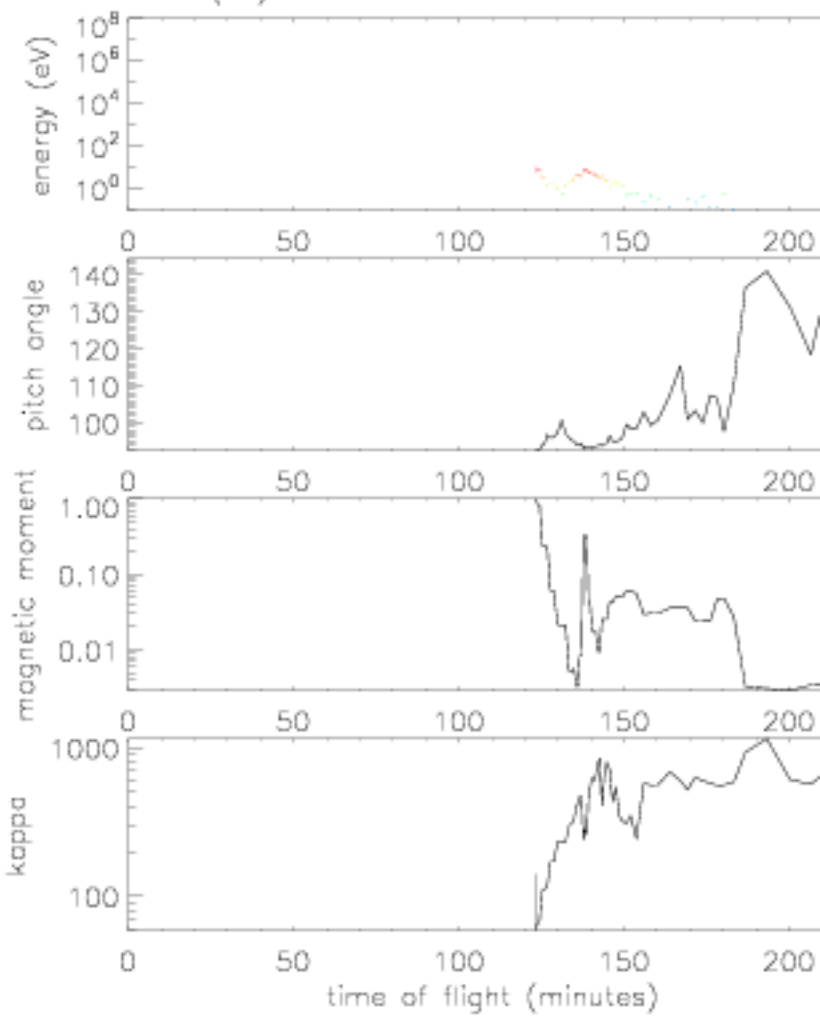
Time (minute): 56.9, 128.3
Magnetic local time: 5.287, 0.905
Magnetic latitude: 0.000, 14.770
Distance (Re): 8.47, 70.00
Energy (eV): 3.70, 664.20
Pitch angle: 89.150, 145.600
Tilt angle (deg): 0.000

file: particle0000021.full

Thu Nov 2 12:05:32 2006





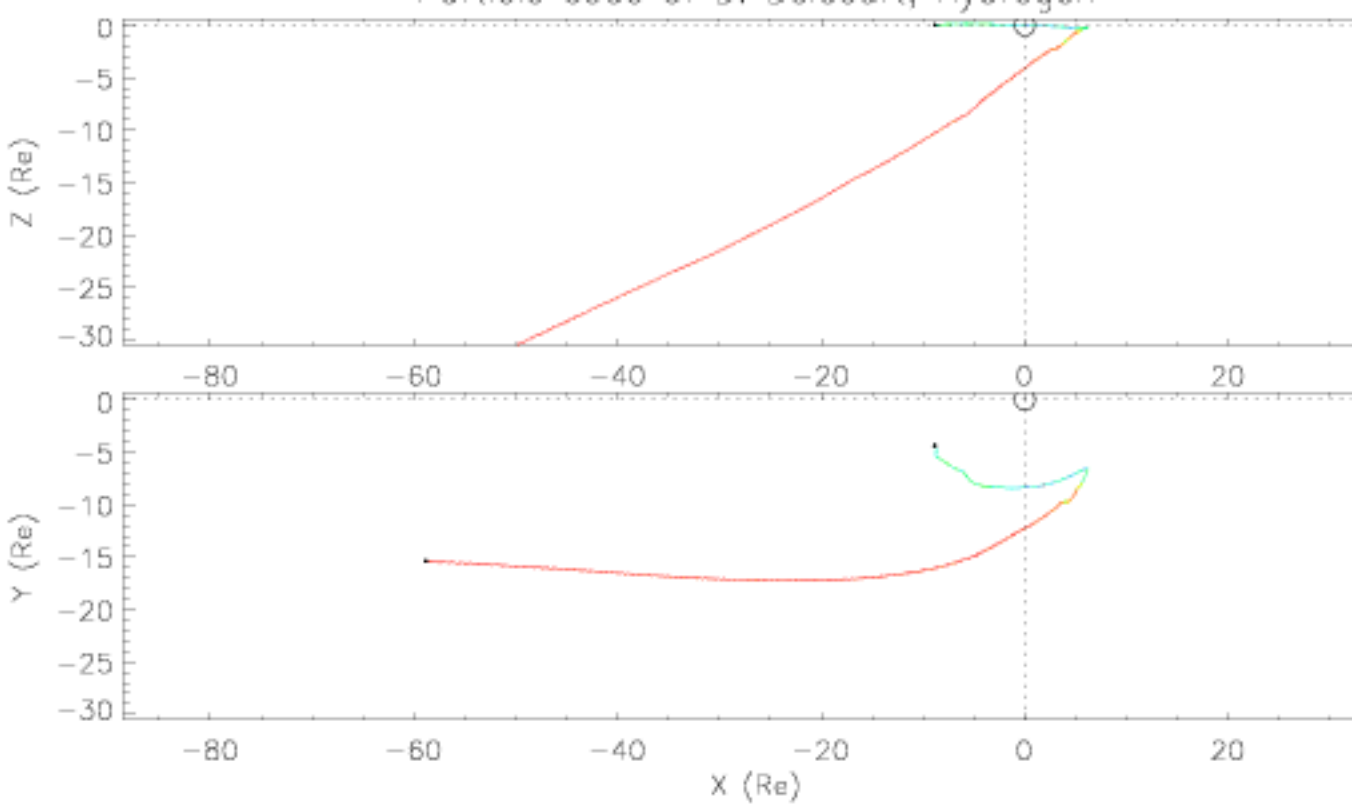


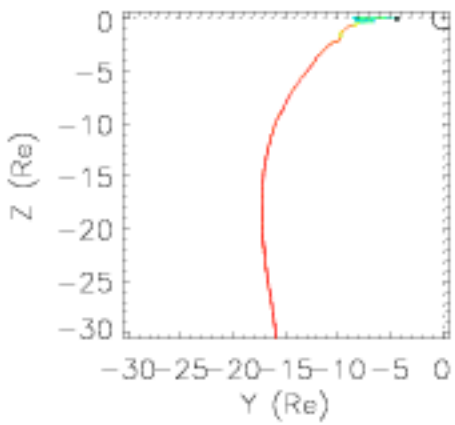
Start, Stop Parameters:

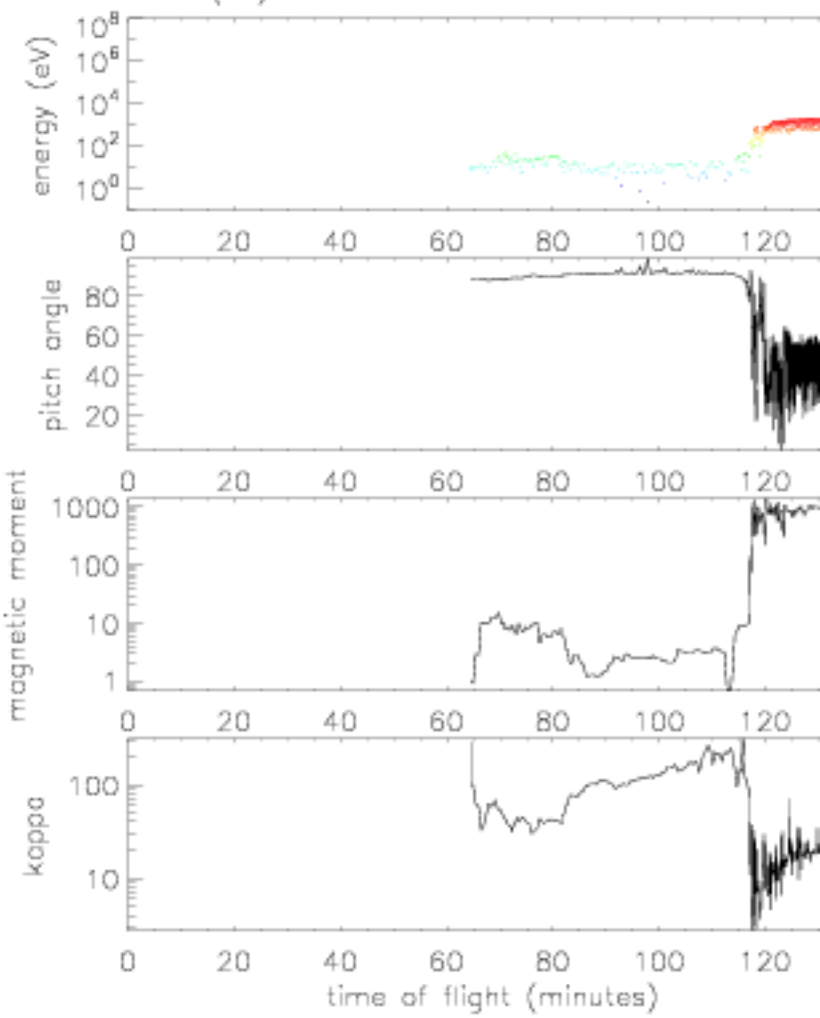
Time (minute): 123.3, 220.8
Magnetic local time: 18.480, 15.370
Magnetic latitude: 0.000, −8.779
Distance (Re): 9.95, 8.90
Energy (eV): 7.10, 0.06
Pitch angle: 92.910, 119.400
Tilt angle (deg): 0.000

file: particle0000022.full

Thu Nov 2 12:05:32 2006







Start, Stop Parameters:

Time (minute): 64.5, 137.5
Magnetic local time: 1.756, 0.977
Magnetic latitude: 0.000, −29.660
Distance (Re): 9.88, 70.01
Energy (eV): 7.94, 1826.00
Pitch angle: 88.160, 52.180
Tilt angle (deg): 0.000

file: particle0000023.full

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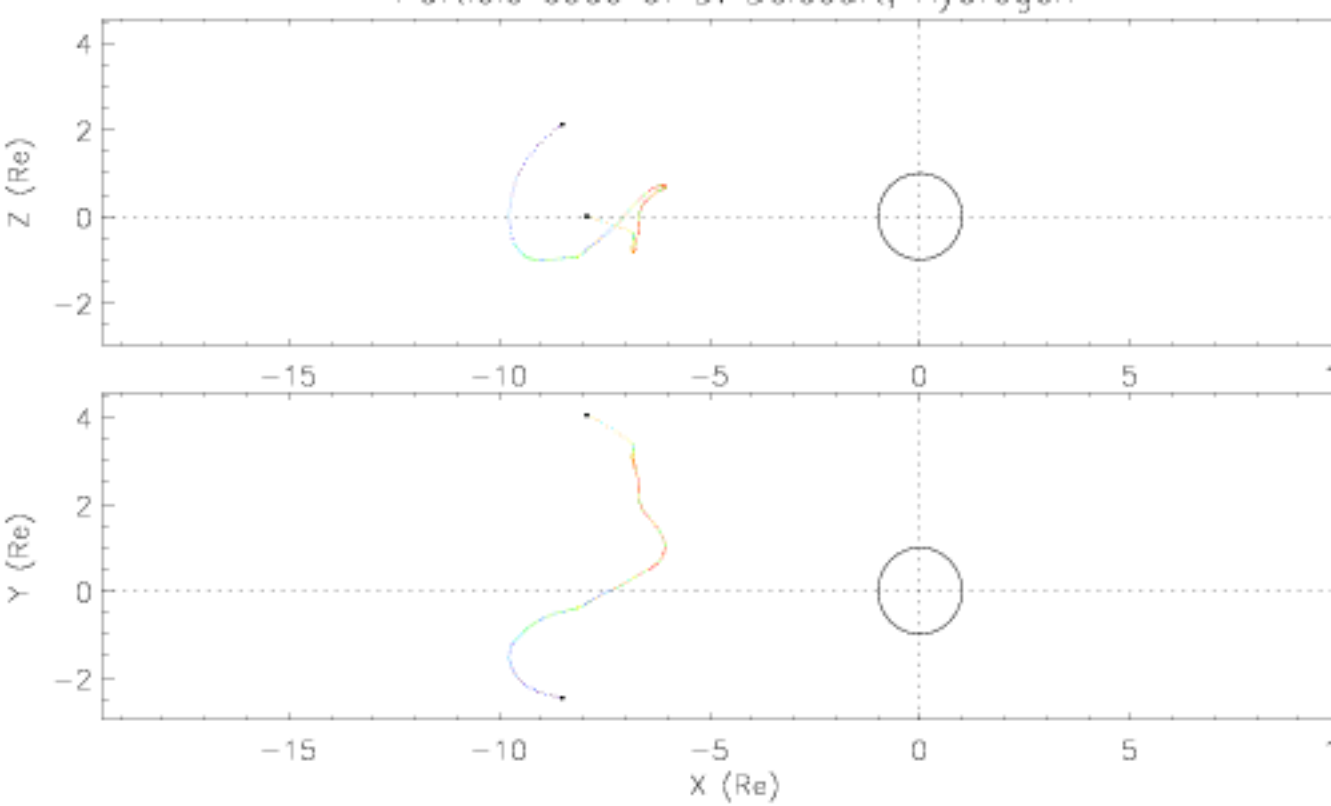
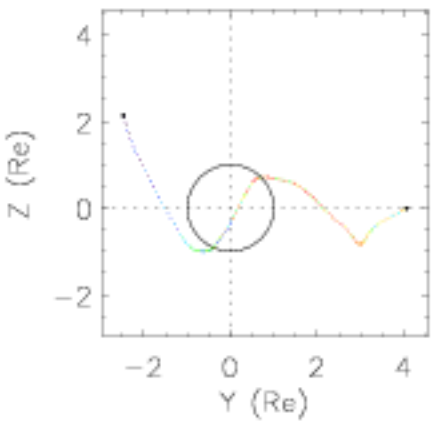
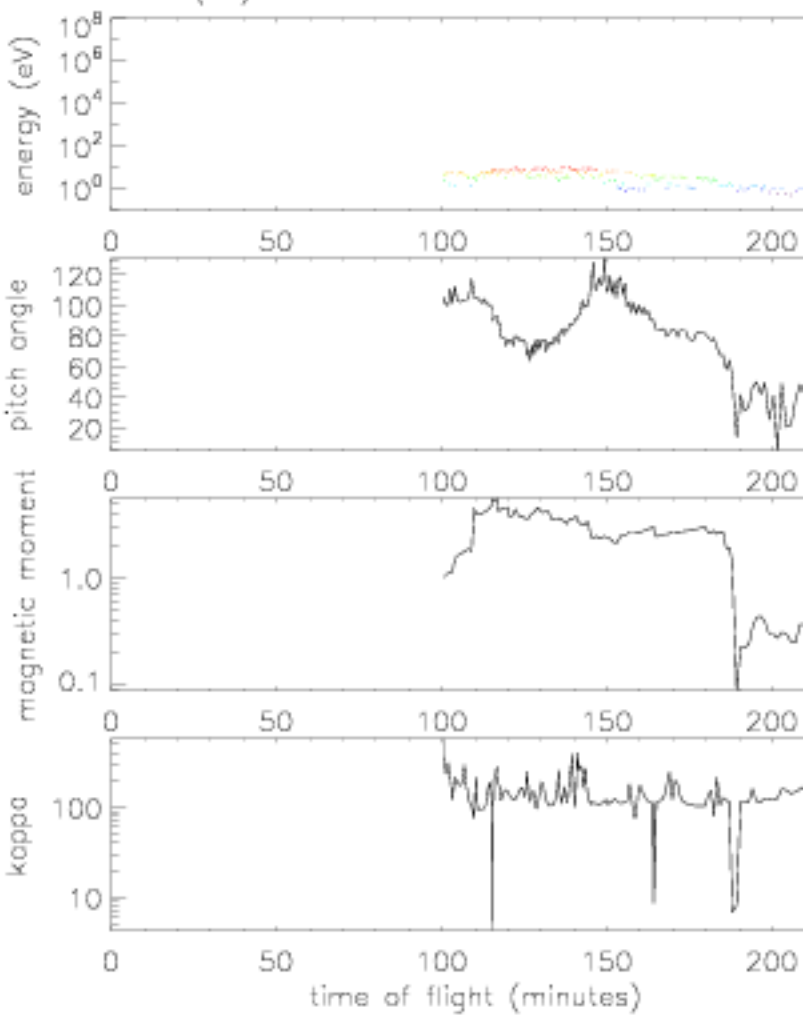




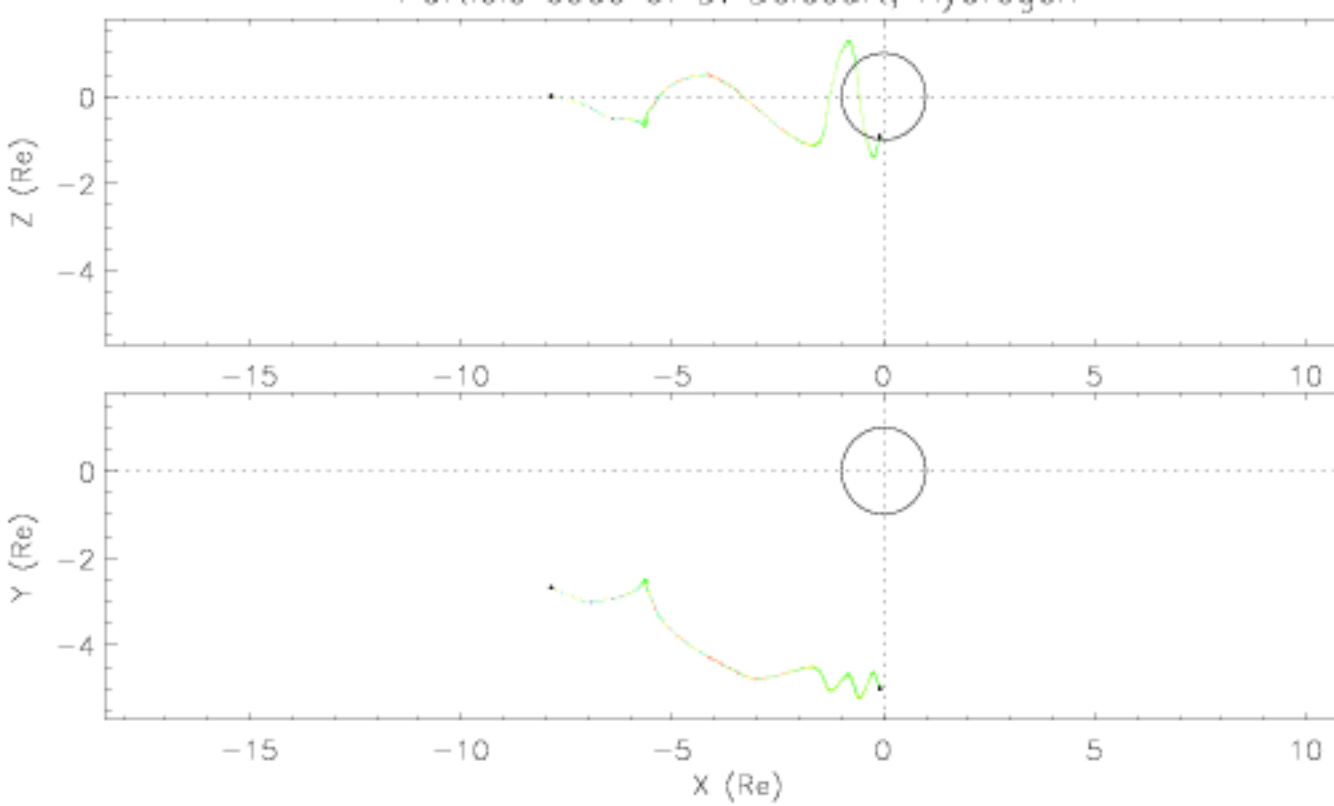


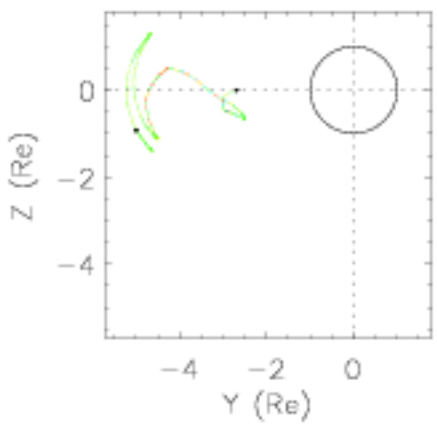
Start, Stop Parameters:

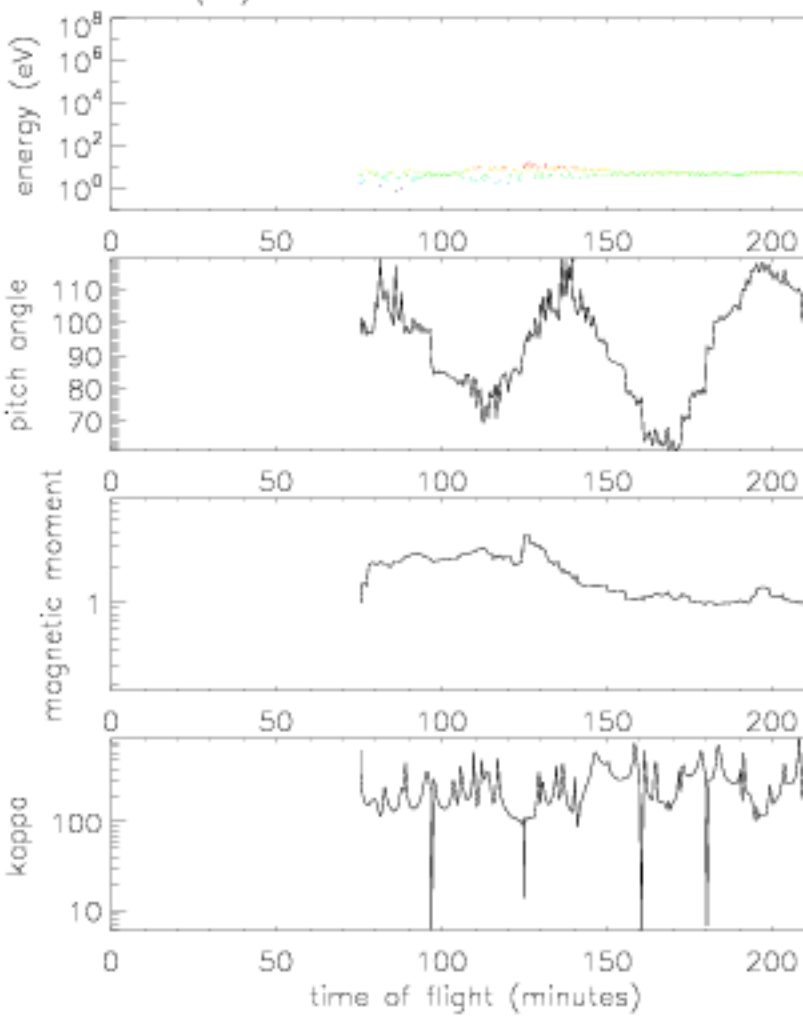
Time (minute): 100.5, 220.8
Magnetic local time: 22.190, 1.079
Magnetic latitude: 0.000, 13.520
Distance (Re): 8.90, 9.11
Energy (eV): 4.19, 0.81
Pitch angle: 102.200, 38.100
Tilt angle (deg): 0.000

file: particle0000024.full

Thu Nov 2 12:05:33 2006





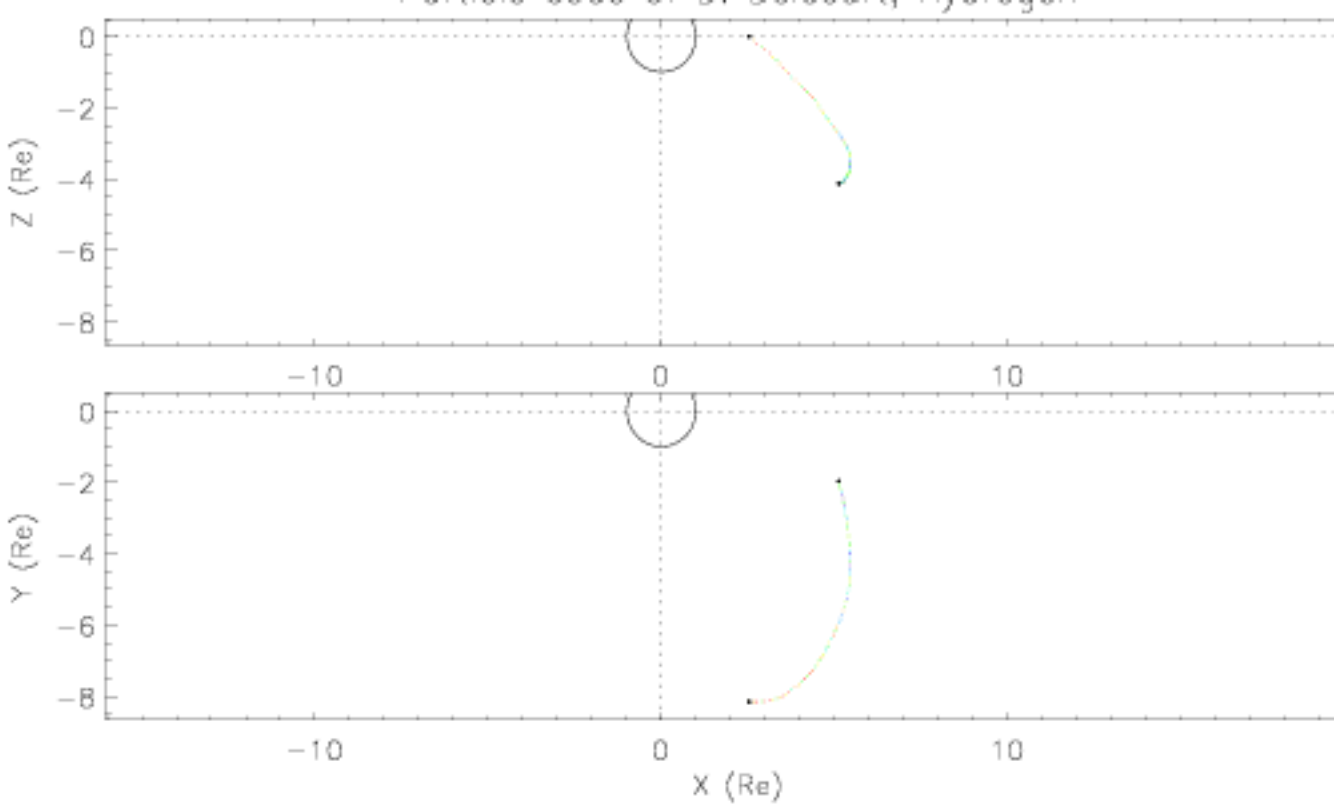


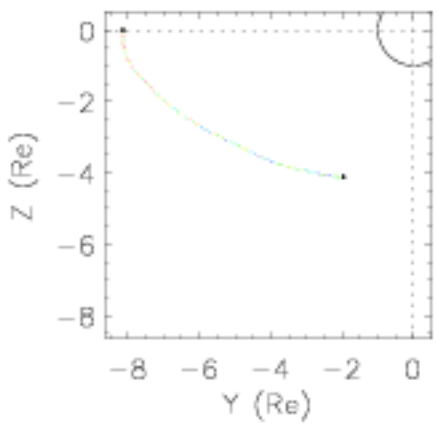
Start, Stop Parameters:

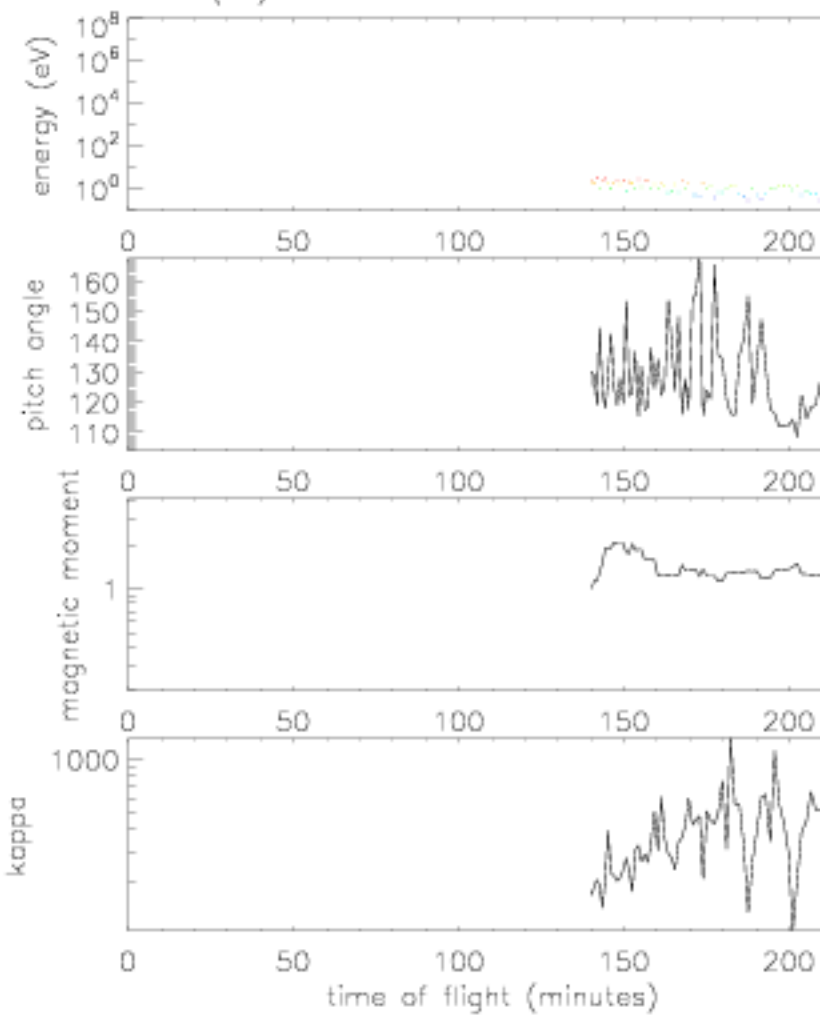
Time (minute): 75.4, 220.8
Magnetic local time: 1.257, 5.927
Magnetic latitude: 0.000, −10.470
Distance (Re): 8.32, 5.08
Energy (eV): 4.39, 4.84
Pitch angle: 97.990, 70.750
Tilt angle (deg): 0.000

file: particle0000025.full

Thu Nov 2 12:05:33 2006





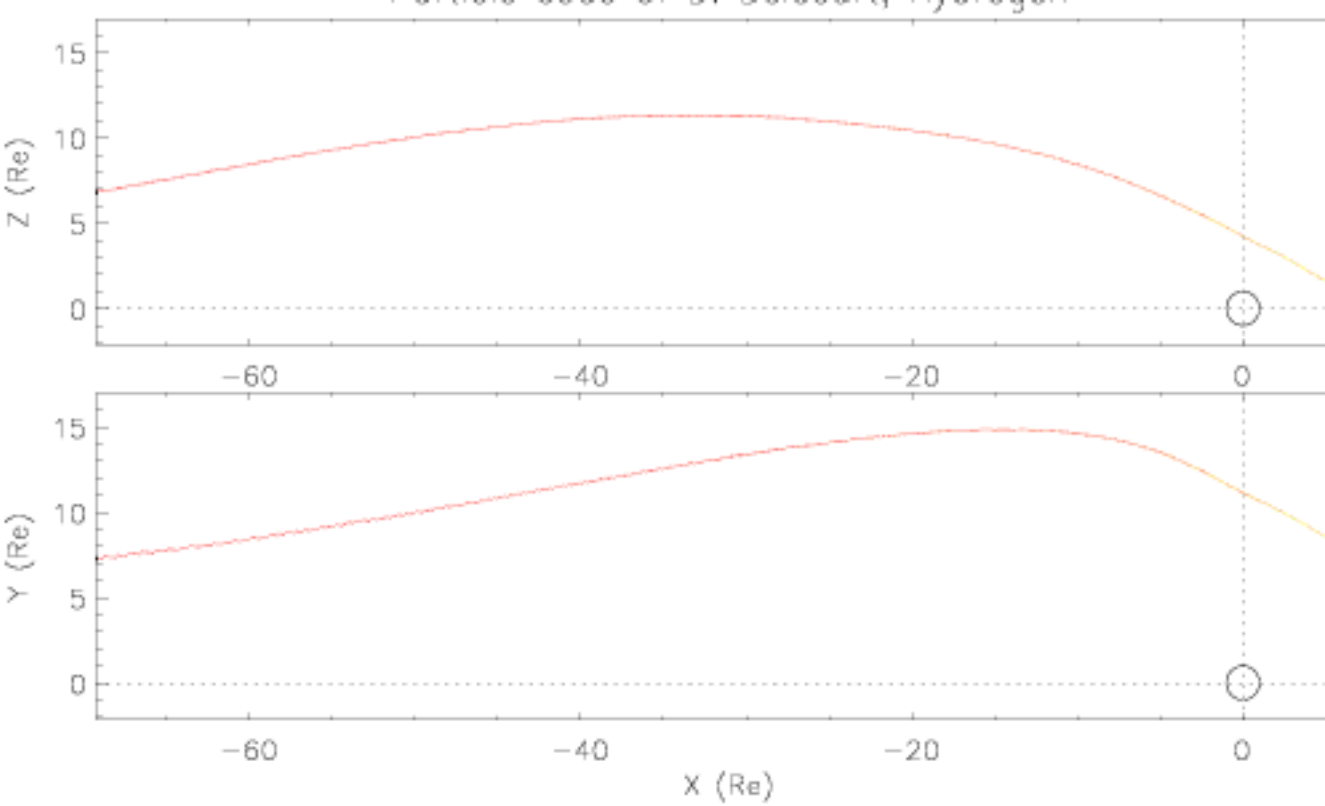


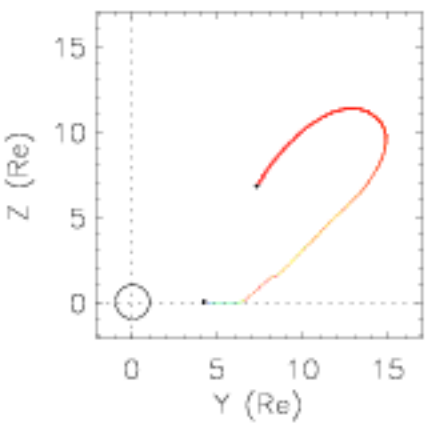
Start, Stop Parameters:

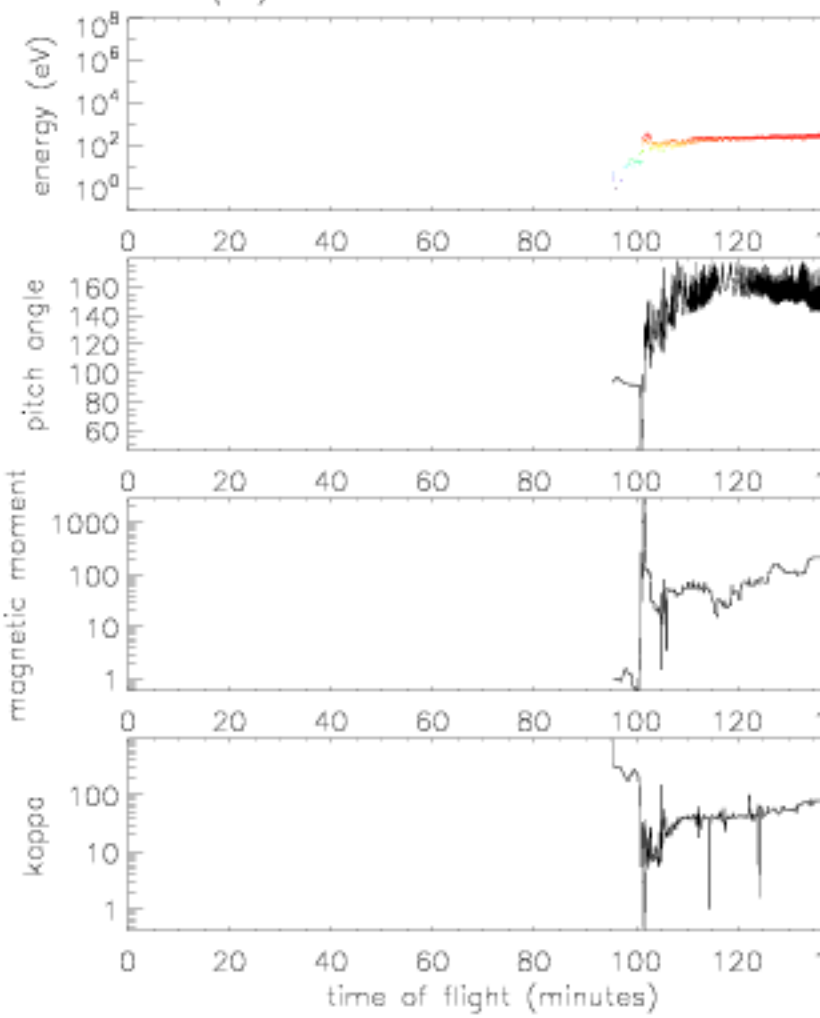
Time (minute): 140.2, 220.8
Magnetic local time: 7.152, 10.600
Magnetic latitude: 0.000, −36.850
Distance (Re): 8.53, 6.86
Energy (eV): 2.38, 0.42
Pitch angle: 125.500, 112.900
Tilt angle (deg): 0.000

file: particle0000026.full

Thu Nov 2 12:05:33 2006





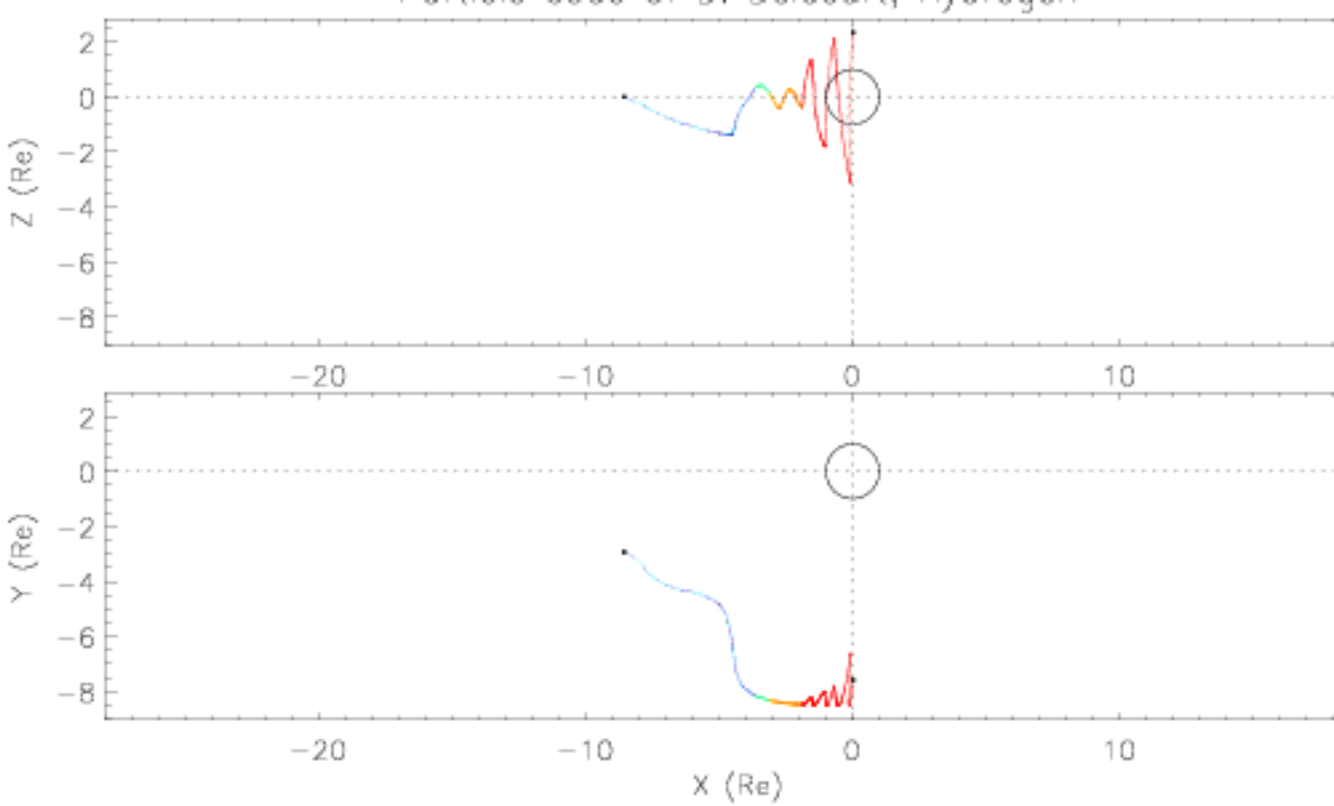


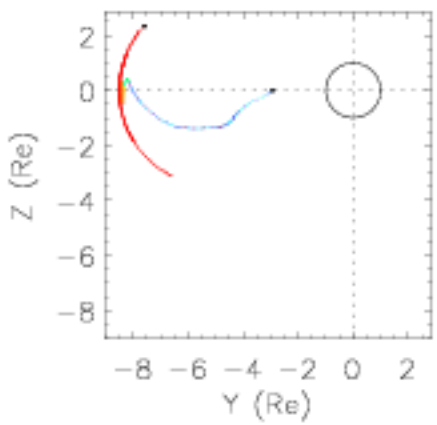
Start, Stop Parameters:

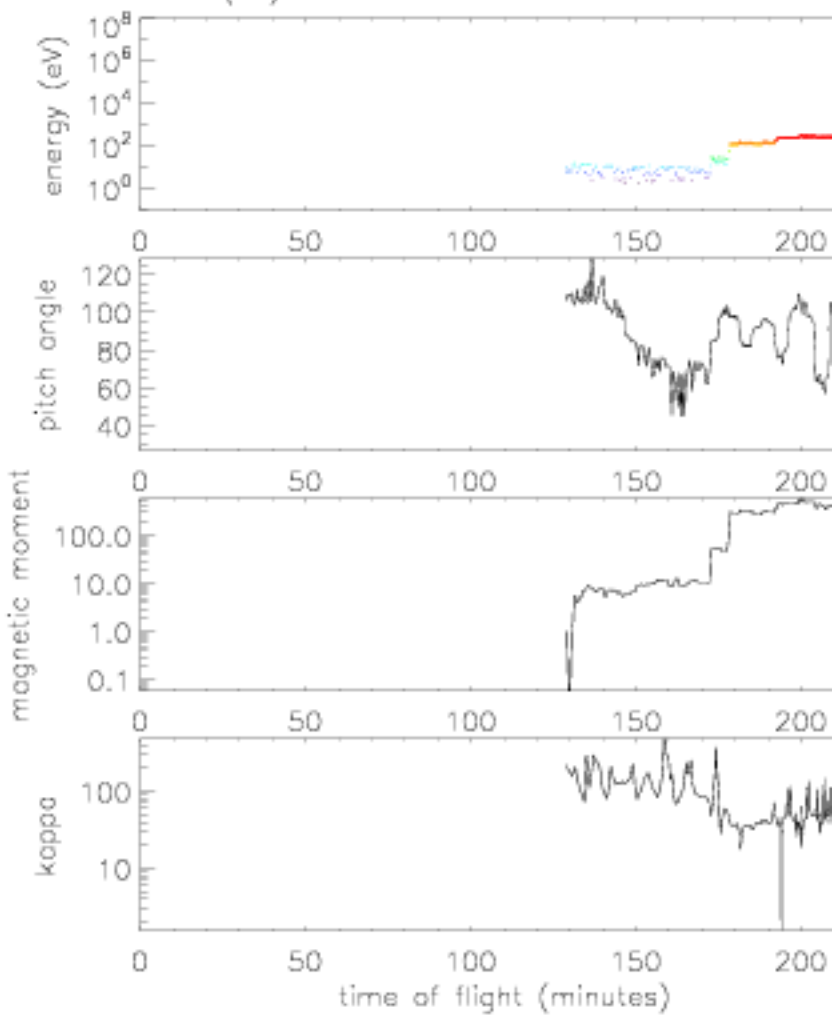
Time (minute): 95.5, 143.8
Magnetic local time: 14.000, 23.600
Magnetic latitude: 0.000, 5.580
Distance (Re): 8.33, 70.00
Energy (eV): 3.06, 347.30
Pitch angle: 94.400, 146.900
Tilt angle (deg): 0.000

file: particle0000027.full

Thu Nov 2 12:05:34 2006





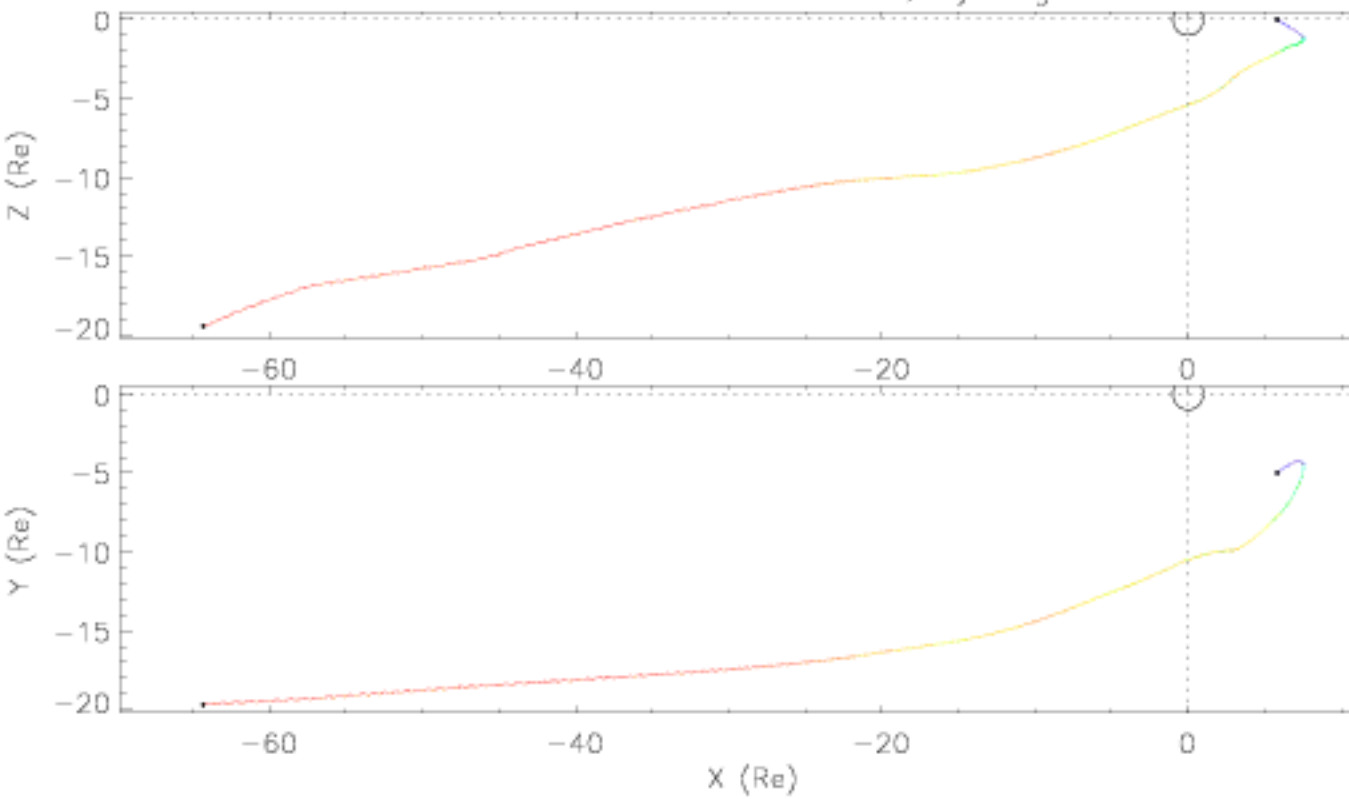


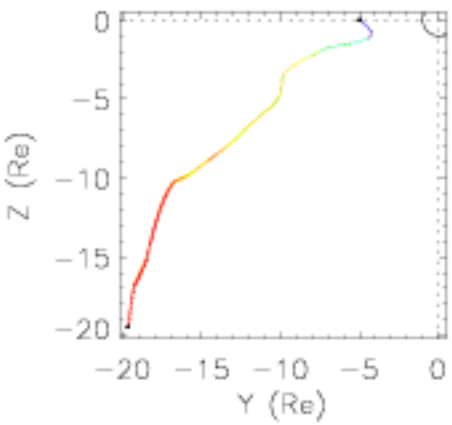
Start, Stop Parameters:

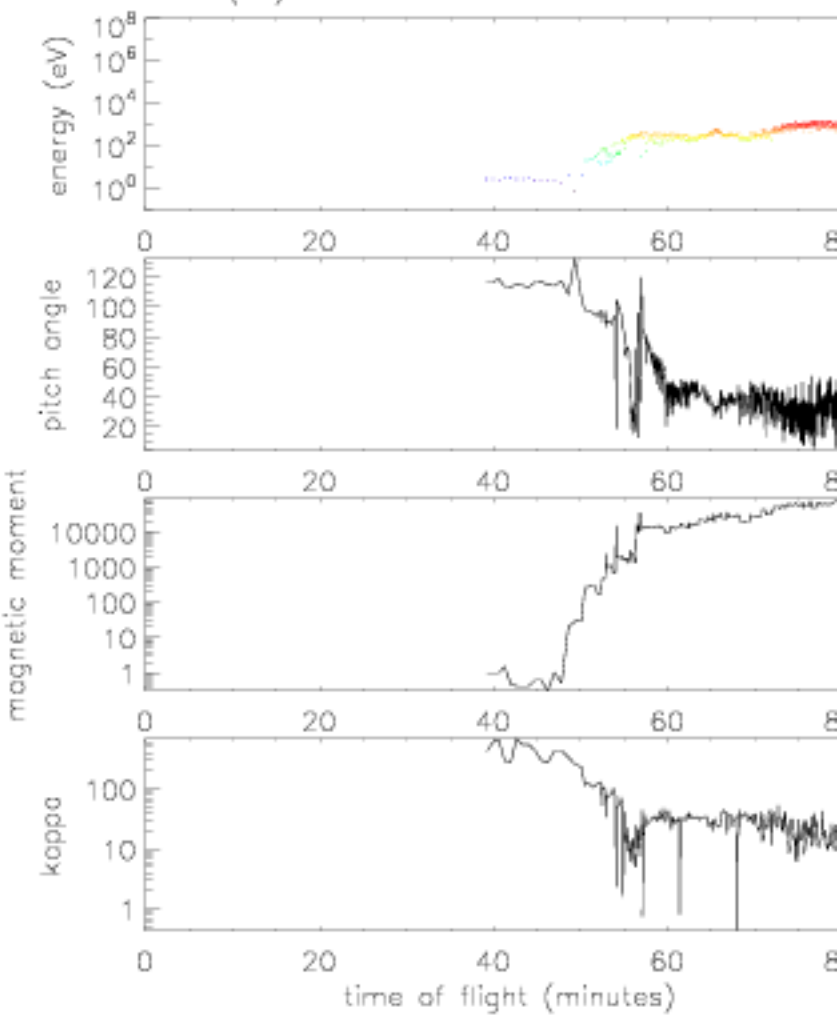
Time (minute): 129.1, 220.8
Magnetic local time: 1.261, 6.009
Magnetic latitude: 0.000, 17.170
Distance (Re): 9.05, 7.94
Energy (eV): 6.89, 300.60
Pitch angle: 109.700, 45.100
Tilt angle (deg): 0.000

file: particle0000028.full

Thu Nov 2 12:05:34 2006





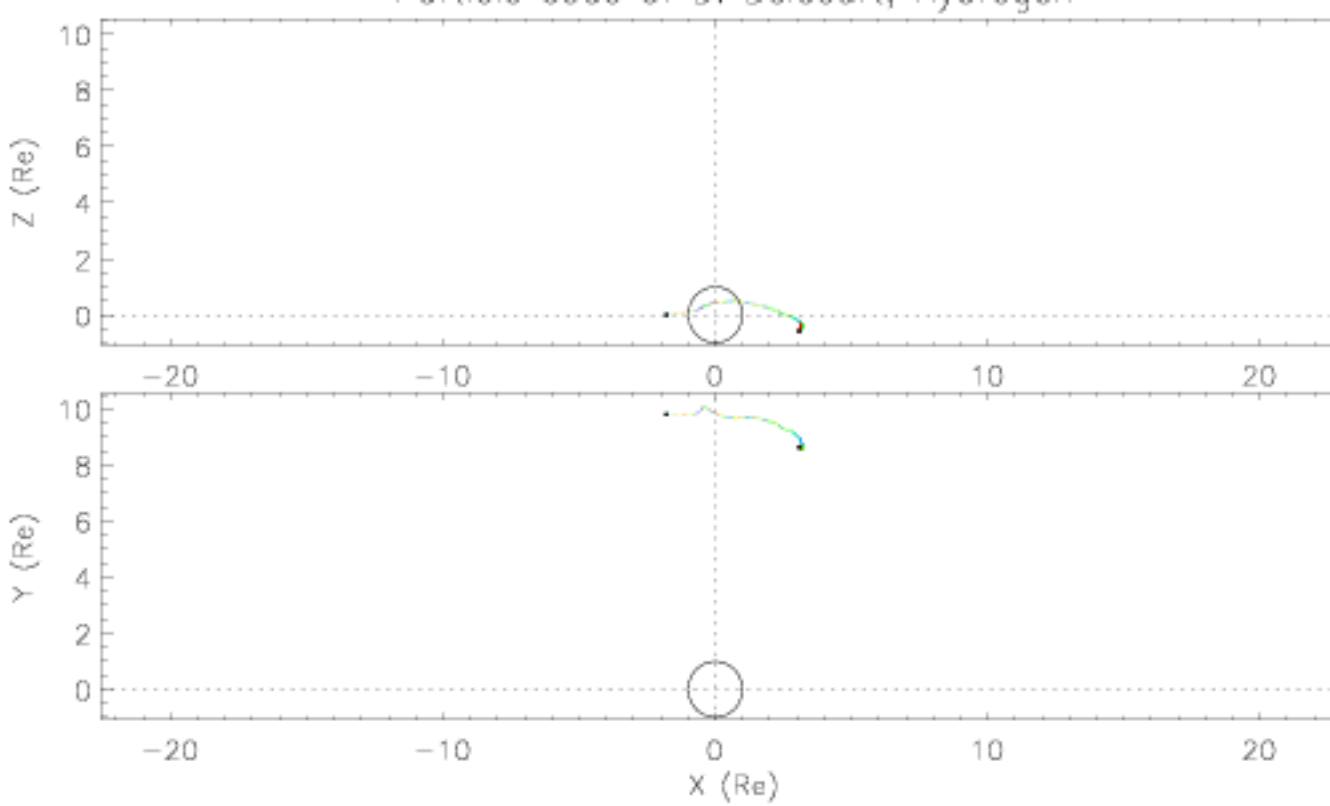


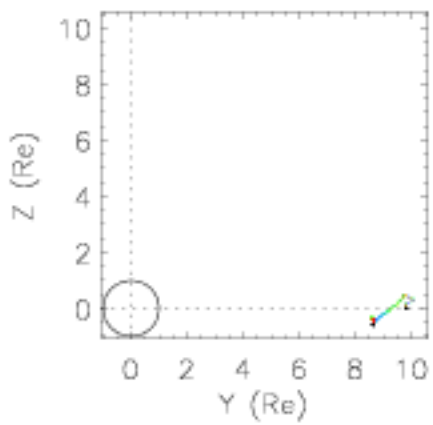
Start, Stop Parameters:

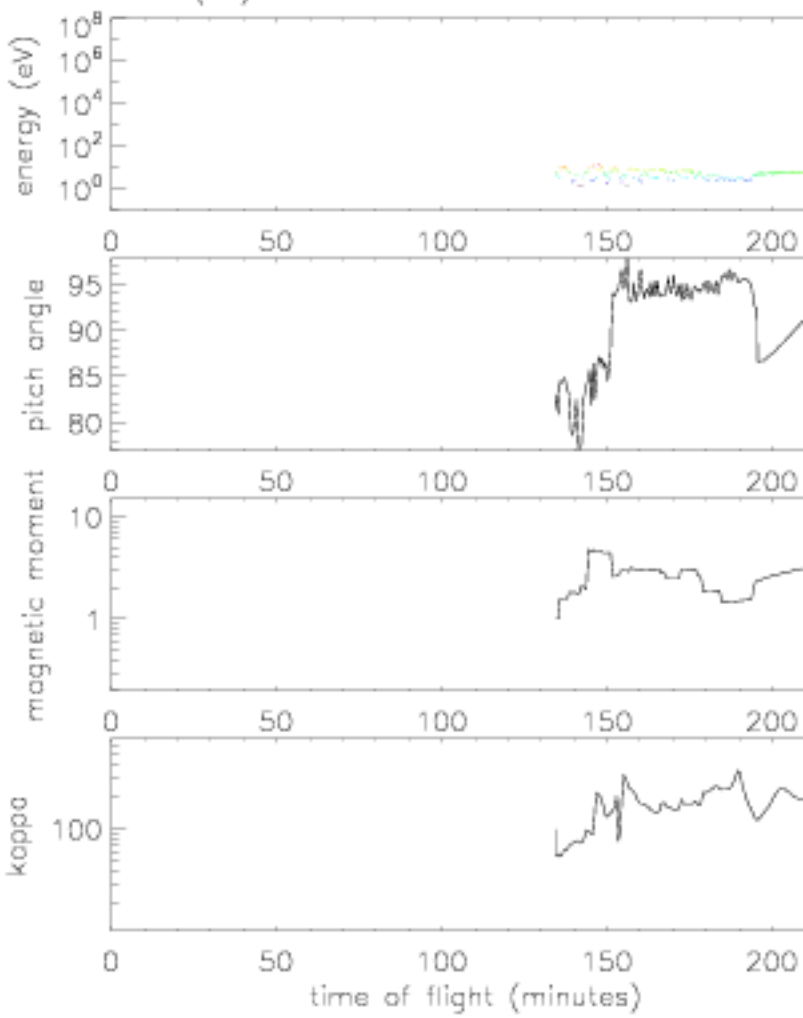
Time (minute): 39.2, 83.8
Magnetic local time: 9.297, 1.135
Magnetic latitude: 0.000, −16.120
Distance (Re): 7.68, 70.01
Energy (eV): 3.05, 938.20
Pitch angle: 116.600, 45.050
Tilt angle (deg): 0.000

file: particle0000029.full

Thu Nov 2 12:05:34 2006





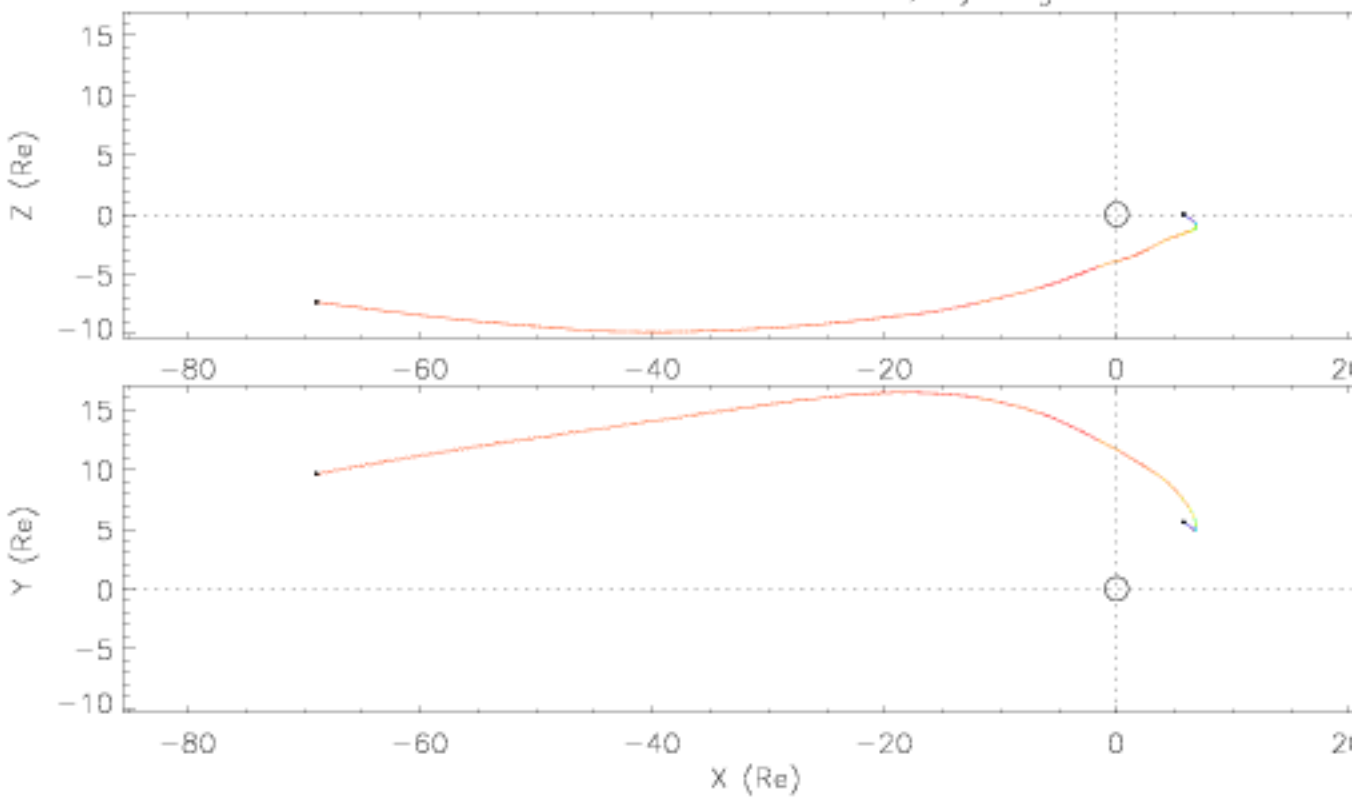


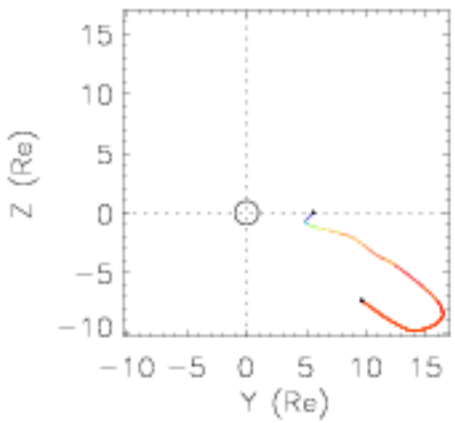
Start, Stop Parameters:

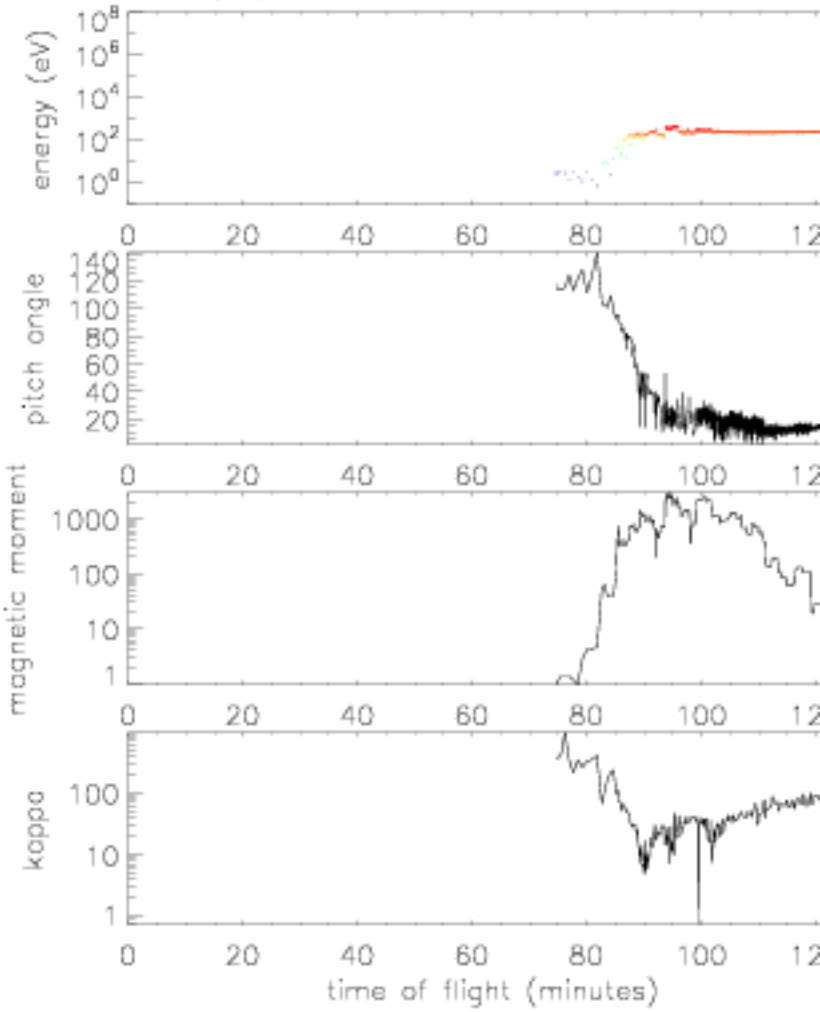
Time (minute): 134.5, 220.8
Magnetic local time: 18.690, 16.690
Magnetic latitude: 0.000, −3.617
Distance (Re): 9.97, 9.18
Energy (eV): 4.20, 15.56
Pitch angle: 81.540, 95.600
Tilt angle (deg): 0.000

file: particle0000030.full

Thu Nov 2 12:05:35 2006





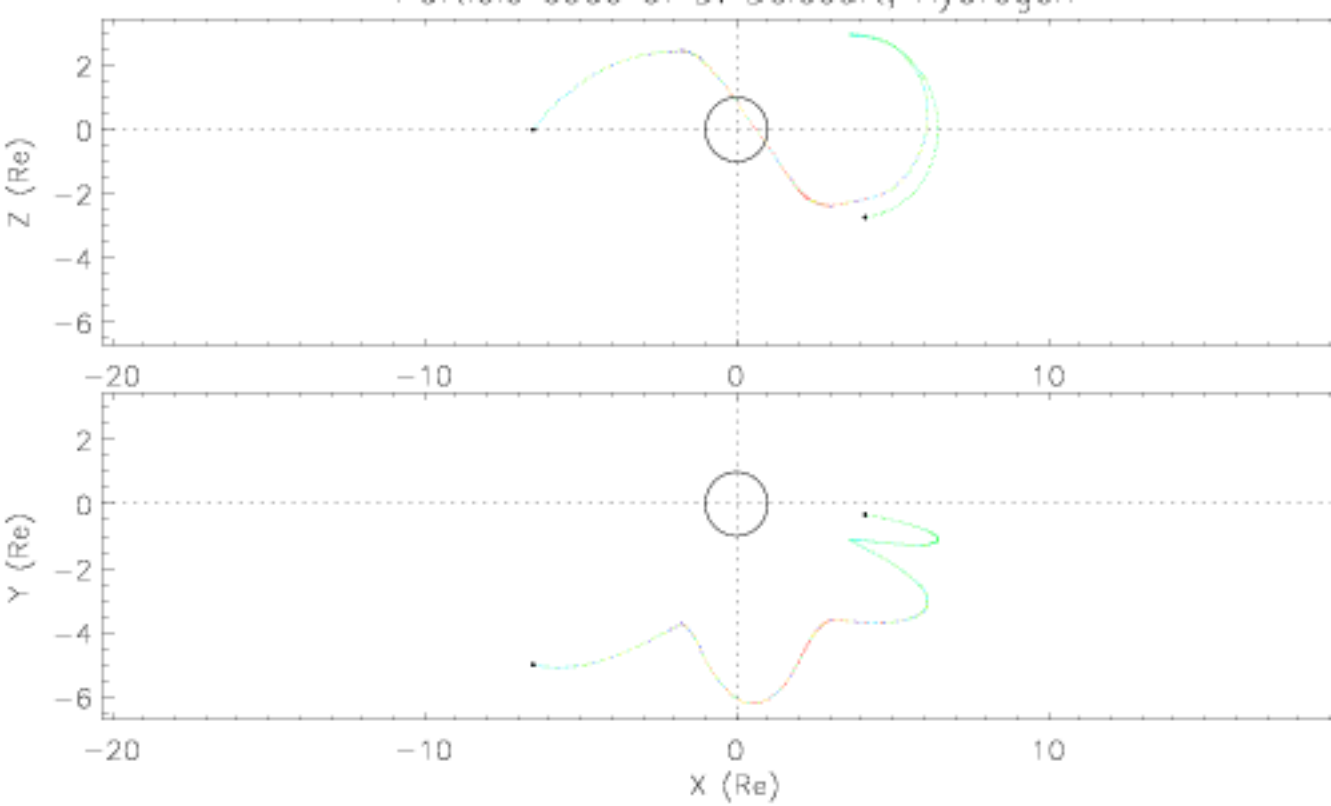


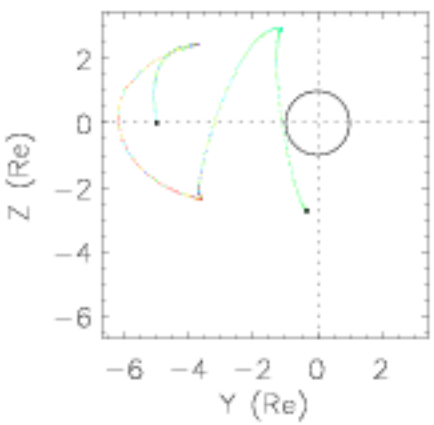
Start, Stop Parameters:

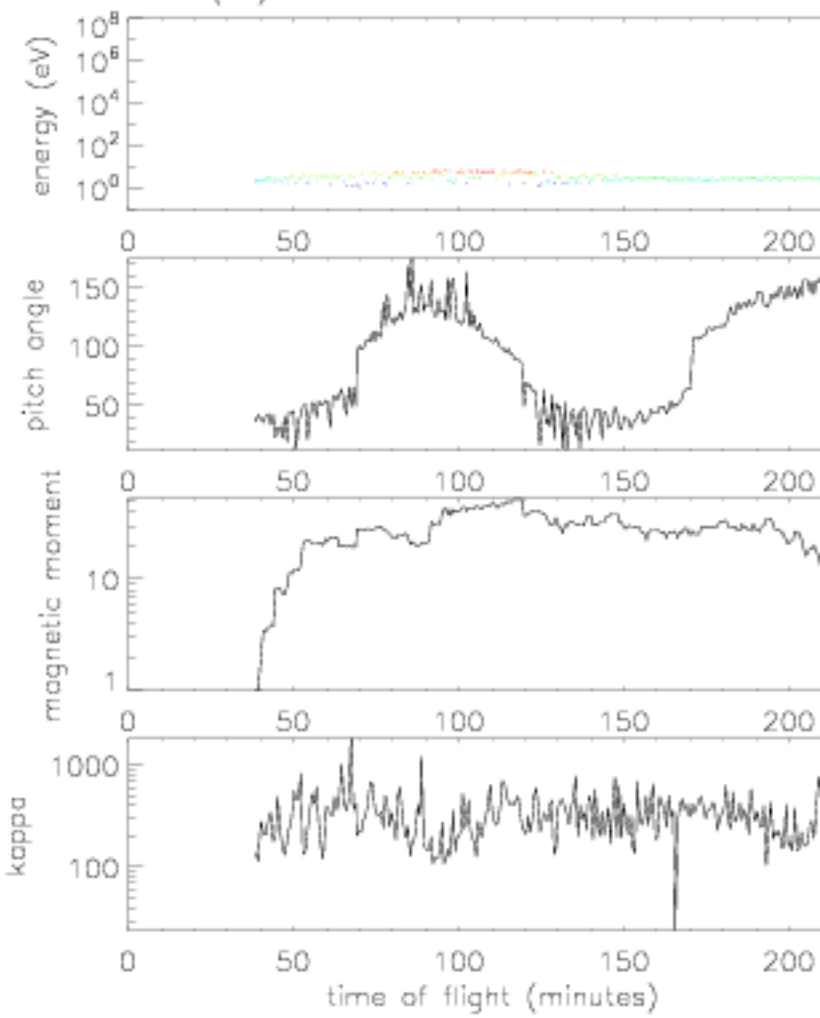
Time (minute): 74.6, 127.3
Magnetic local time: 14.940, 23.470
Magnetic latitude: 0.000, −6.004
Distance (Re): 8.00, 70.00
Energy (eV): 2.48, 245.60
Pitch angle: 117.800, 15.110
Tilt angle (deg): 0.000

file: particle0000031.full

Thu Nov 2 12:05:35 2006





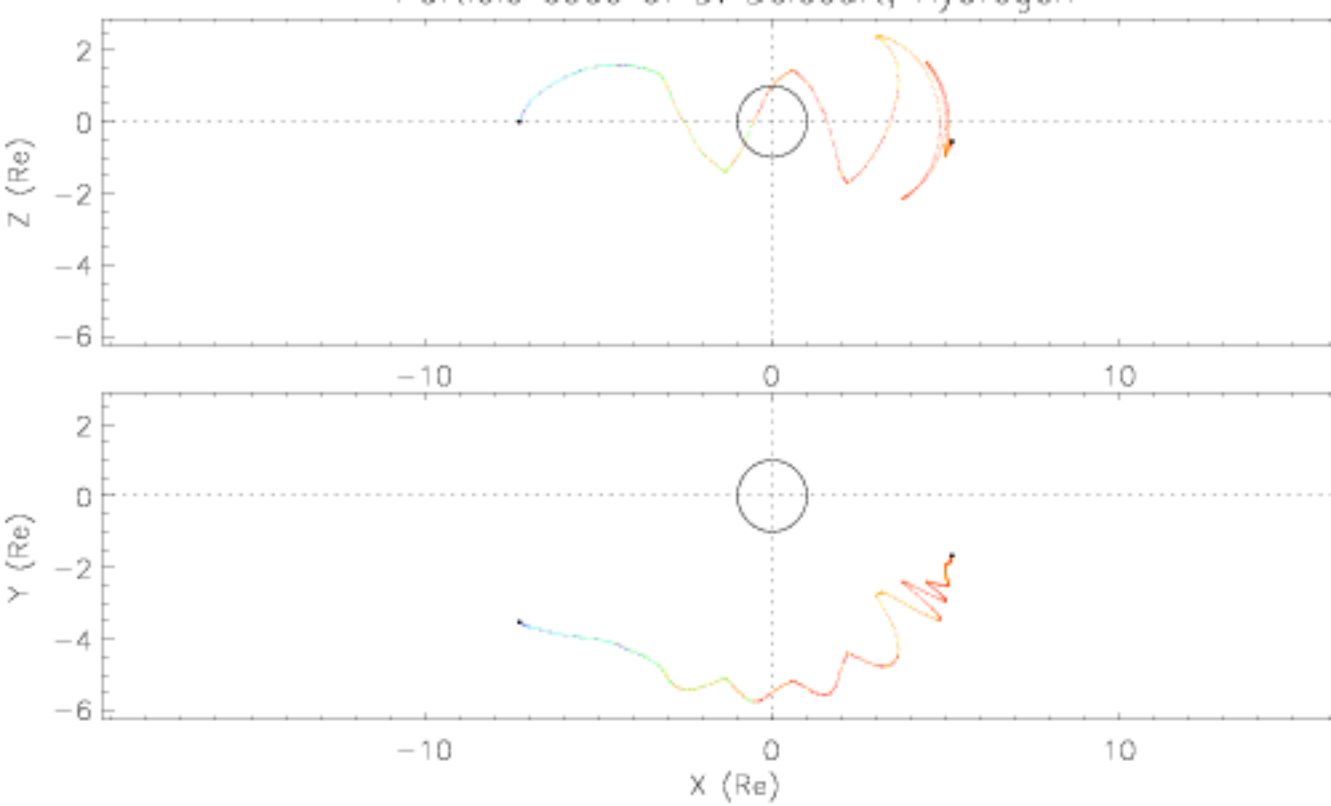


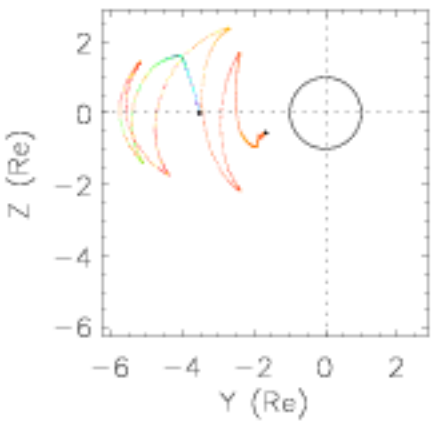
Start, Stop Parameters:

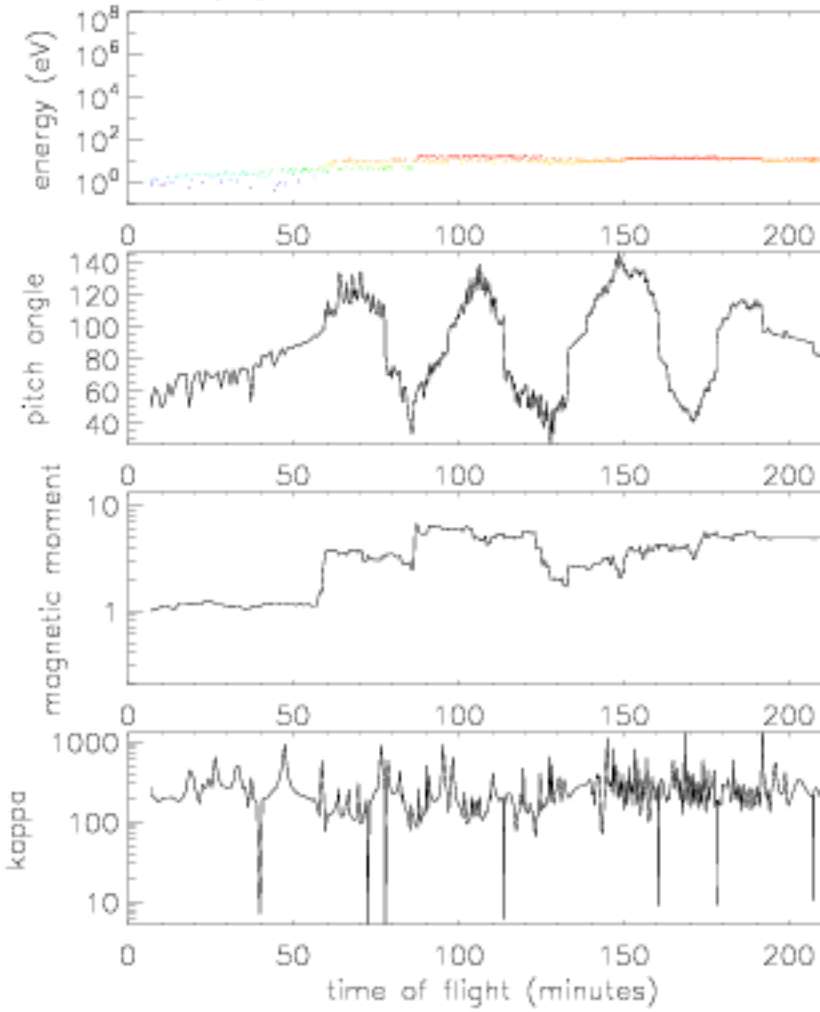
Time (minute): 38.5, 220.8
Magnetic local time: 2.500, 11.690
Magnetic latitude: 0.000, −33.460
Distance (Re): 8.22, 4.96
Energy (eV): 2.40, 3.71
Pitch angle: 39.280, 132.300
Tilt angle (deg): 0.000

file: particle0000032.full

Thu Nov 2 12:05:35 2006





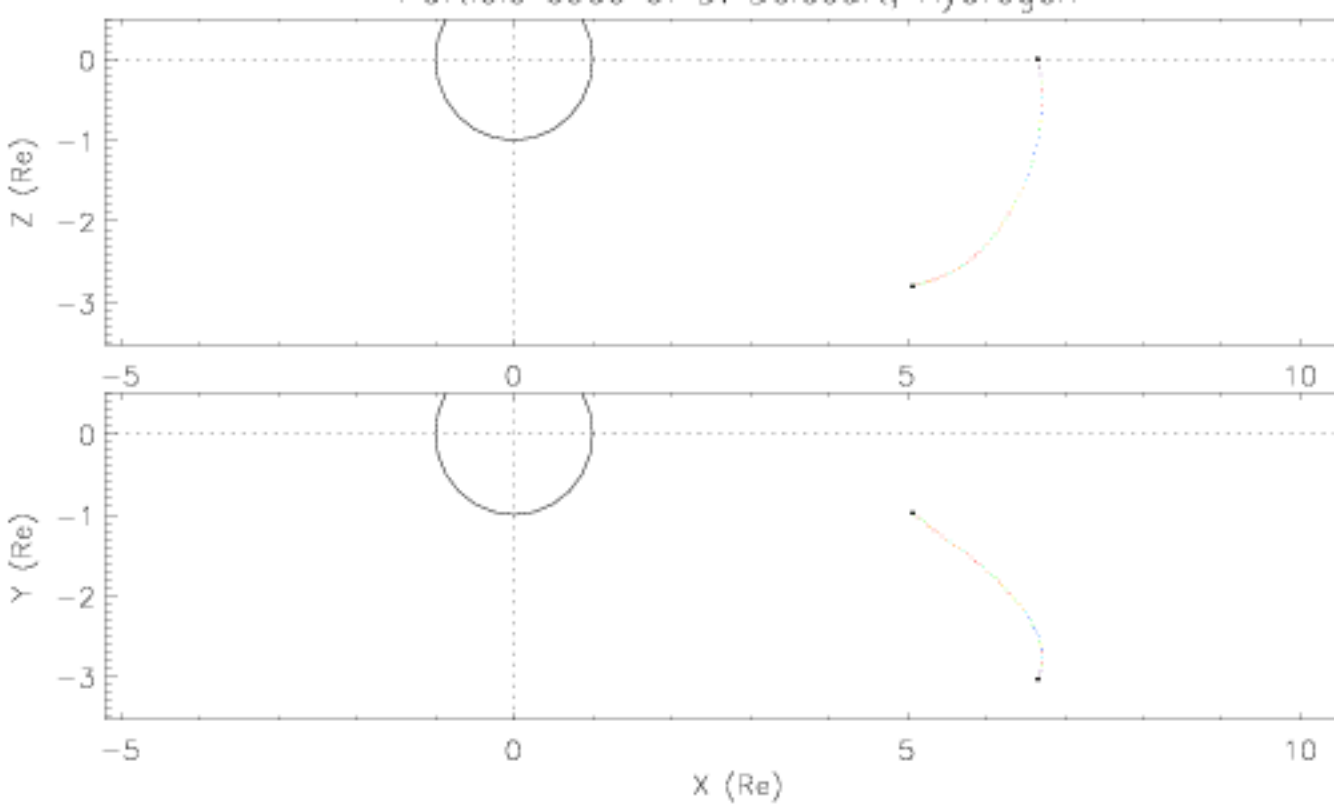


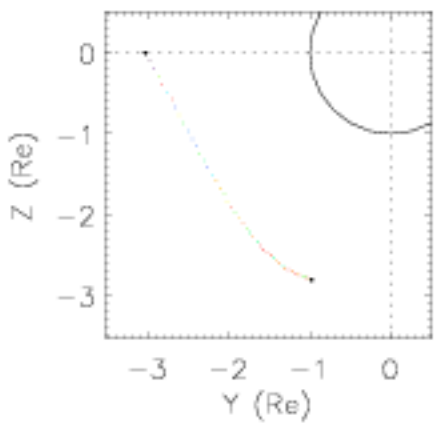
Start, Stop Parameters:

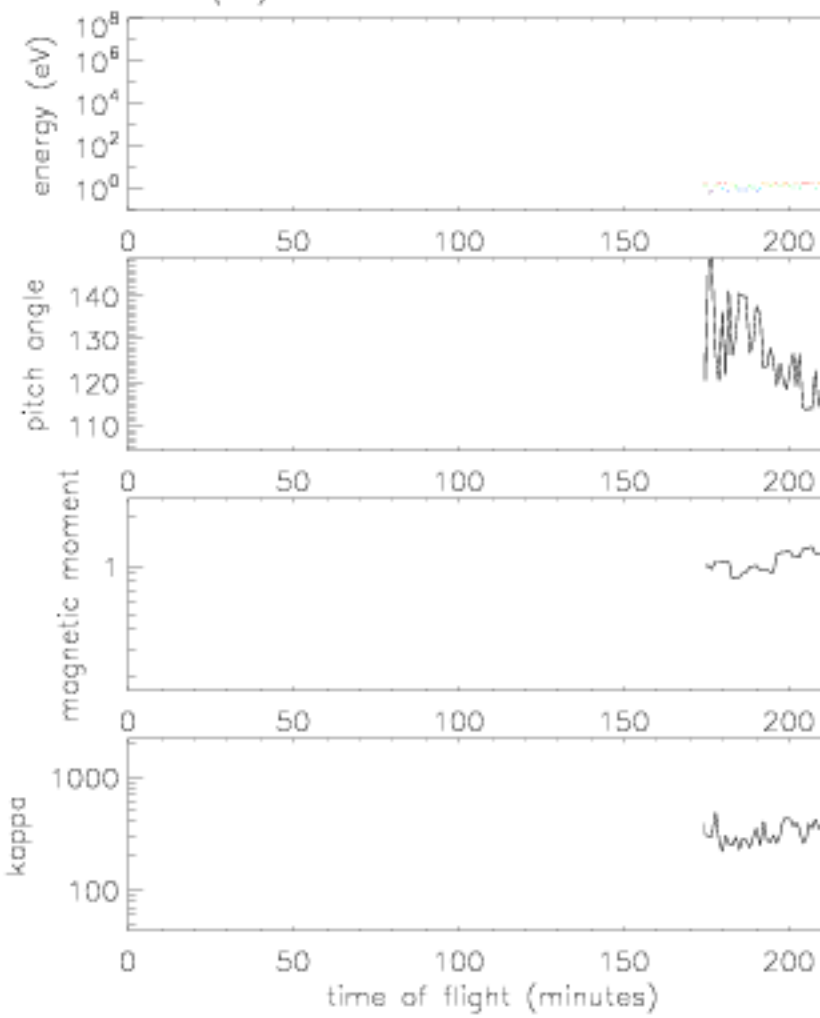
Time (minute): 6.7, 220.8
Magnetic local time: 1.722, 10.810
Magnetic latitude: 0.000, −5.850
Distance (Re): 8.08, 5.46
Energy (eV): 1.23, 11.93
Pitch angle: 57.030, 87.790
Tilt angle (deg): 0.000

file: particle0000033.full

Thu Nov 2 12:05:35 2006





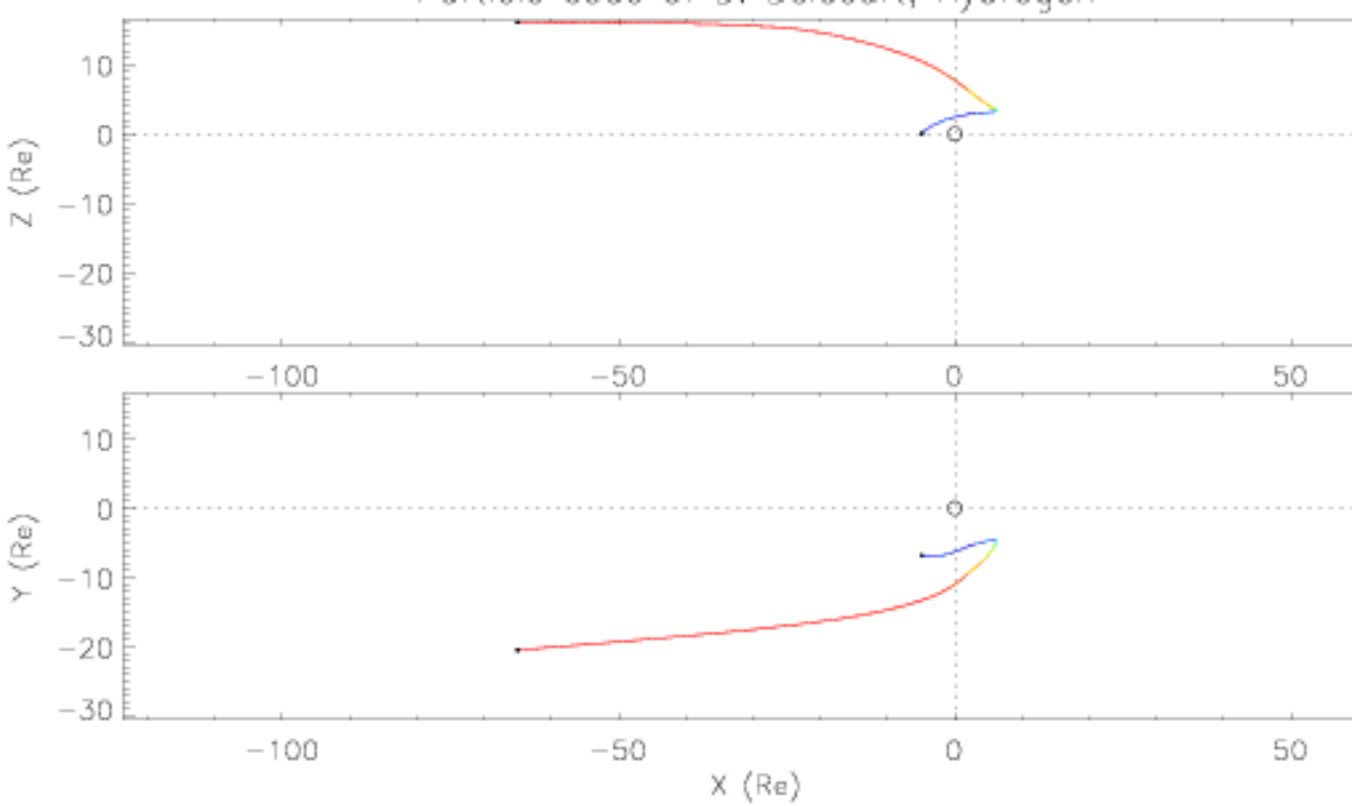


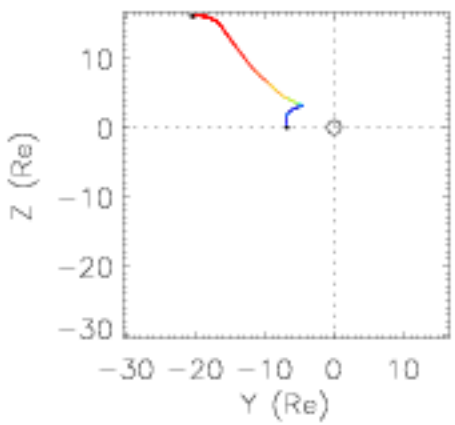
Start, Stop Parameters:

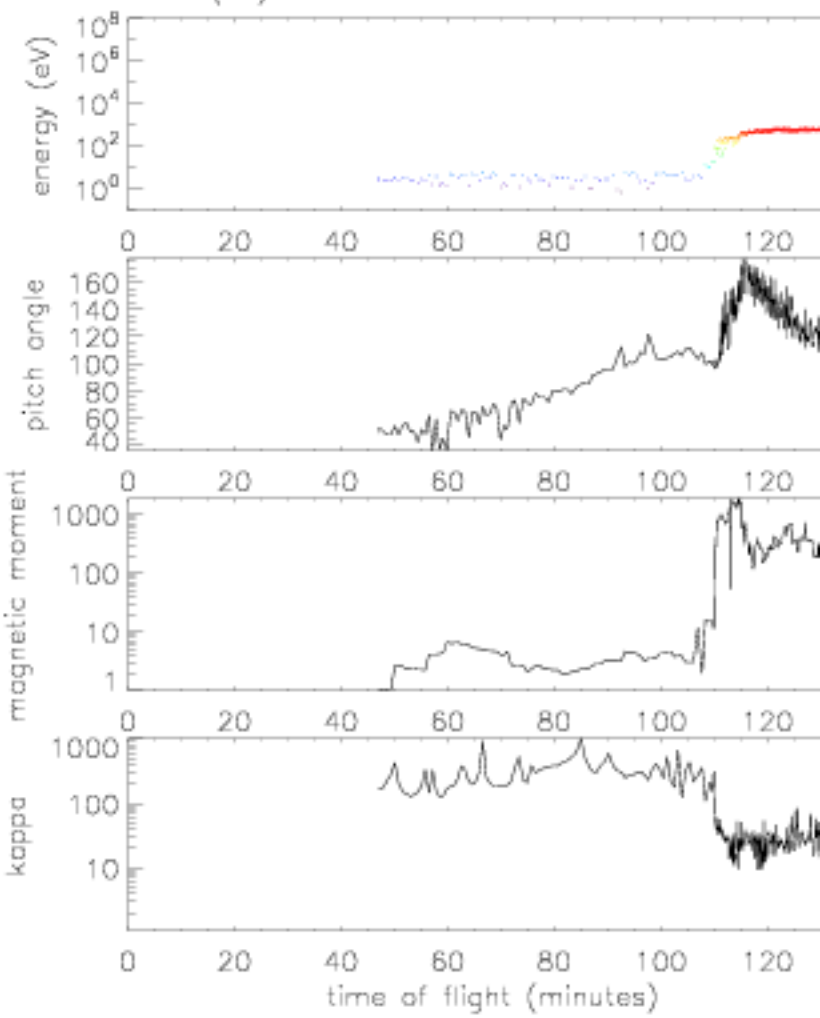
Time (minute): 174.5, 220.8
Magnetic local time: 10.370, 11.270
Magnetic latitude: 0.000, −28.480
Distance (Re): 7.32, 5.87
Energy (eV): 1.39, 1.26
Pitch angle: 126.700, 107.100
Tilt angle (deg): 0.000

file: particle0000034.full

Thu Nov 2 12:05:36 2006





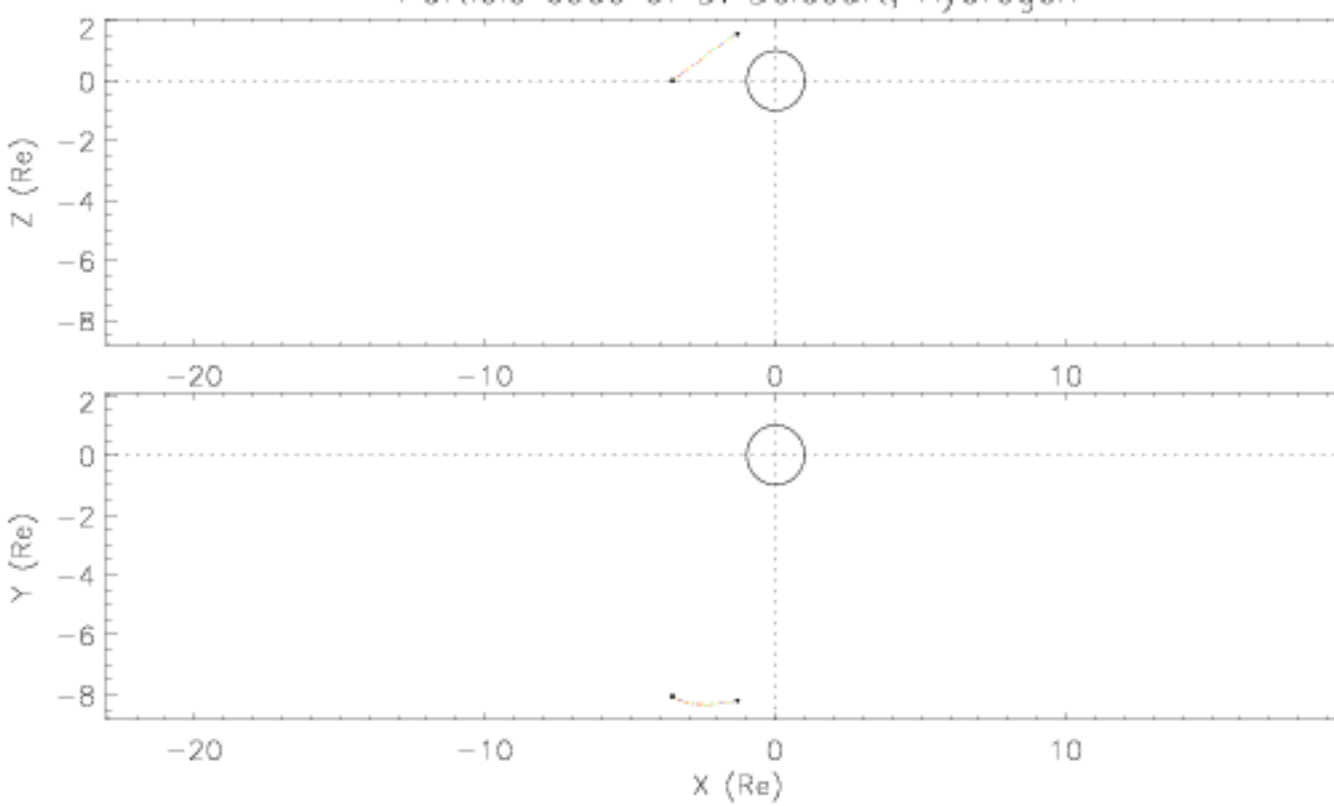


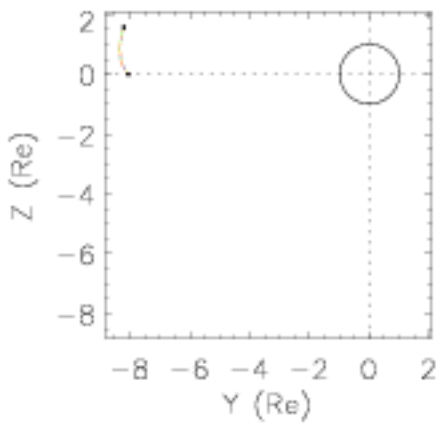
Start, Stop Parameters:

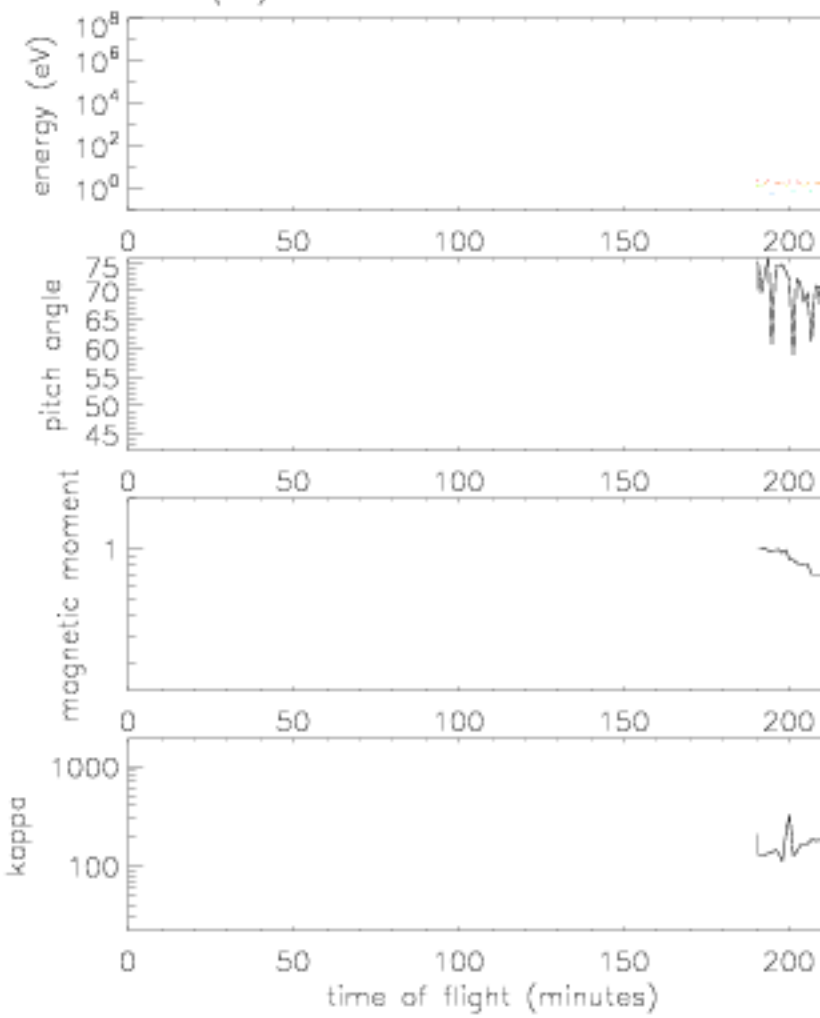
Time (minute): 47.0, 136.9
Magnetic local time: 3.606, 1.165
Magnetic latitude: 0.000, 13.270
Distance (Re): 8.42, 70.01
Energy (eV): 2.60, 617.30
Pitch angle: 48.550, 107.000
Tilt angle (deg): 0.000

file: particle0000035.full

Thu Nov 2 12:05:36 2006





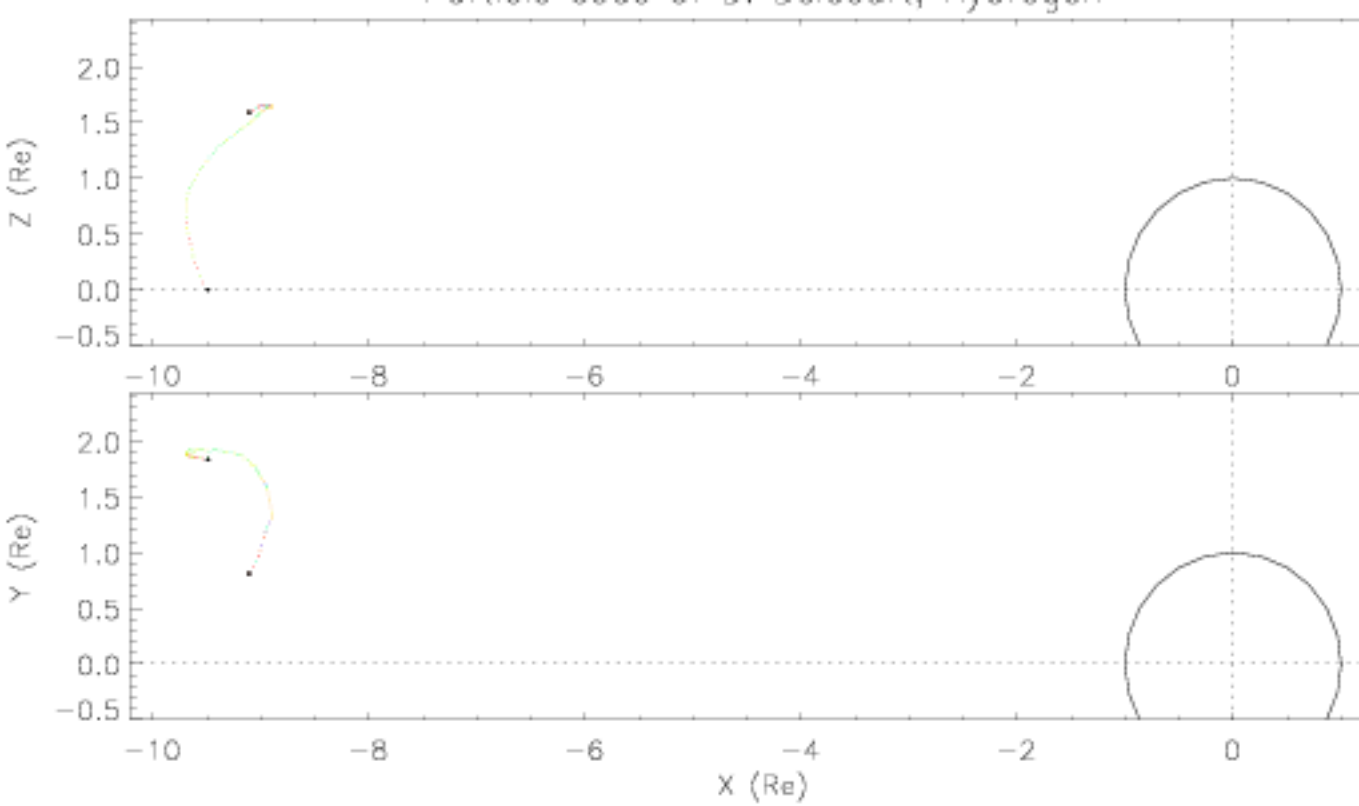


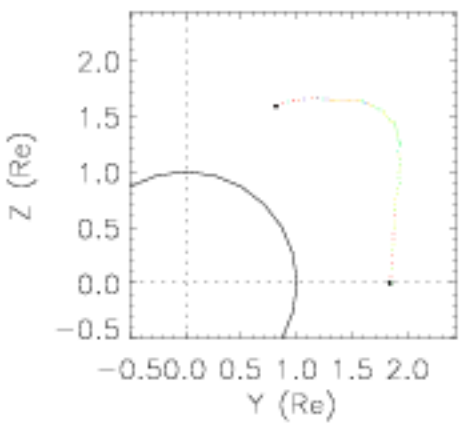
Start, Stop Parameters:

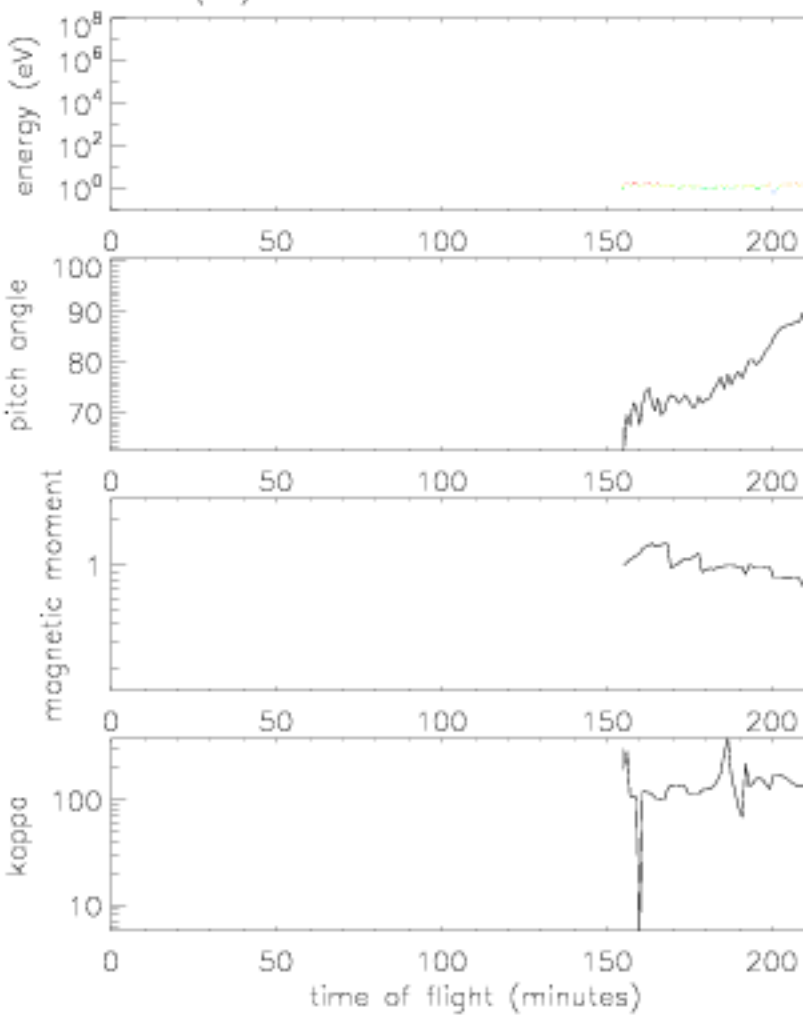
Time (minute): 190.5, 220.8
Magnetic local time: 4.415, 5.397
Magnetic latitude: 0.000, 10.680
Distance (Re): 8.81, 8.45
Energy (eV): 1.41, 0.37
Pitch angle: 70.180, 46.030
Tilt angle (deg): 0.000

file: particle0000036.full

Thu Nov 2 12:05:36 2006





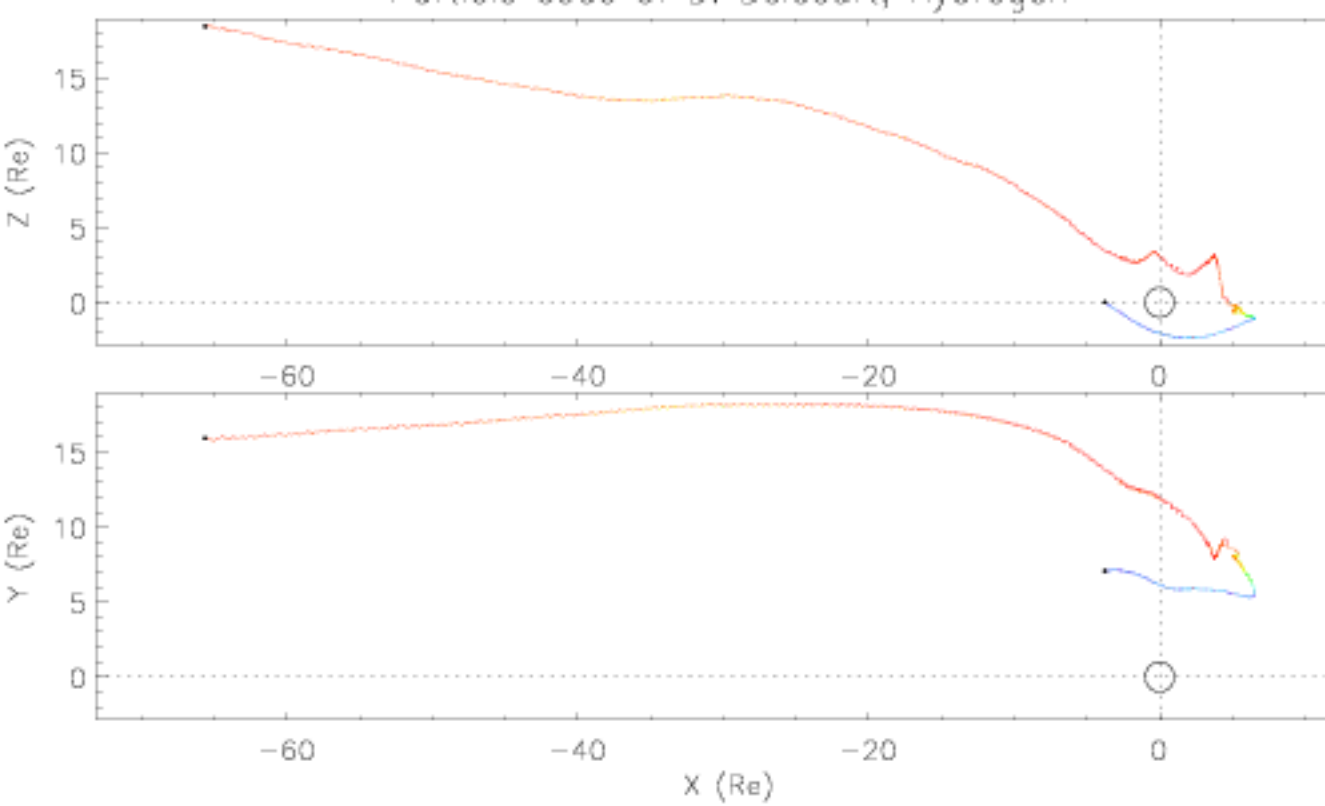


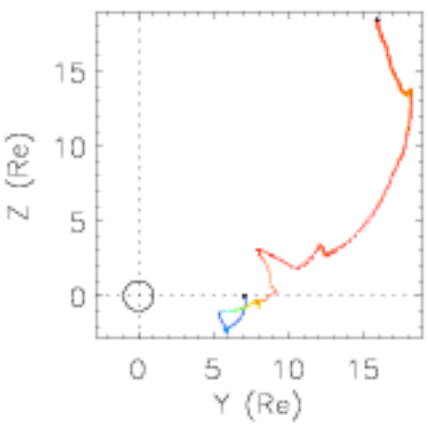
Start, Stop Parameters:

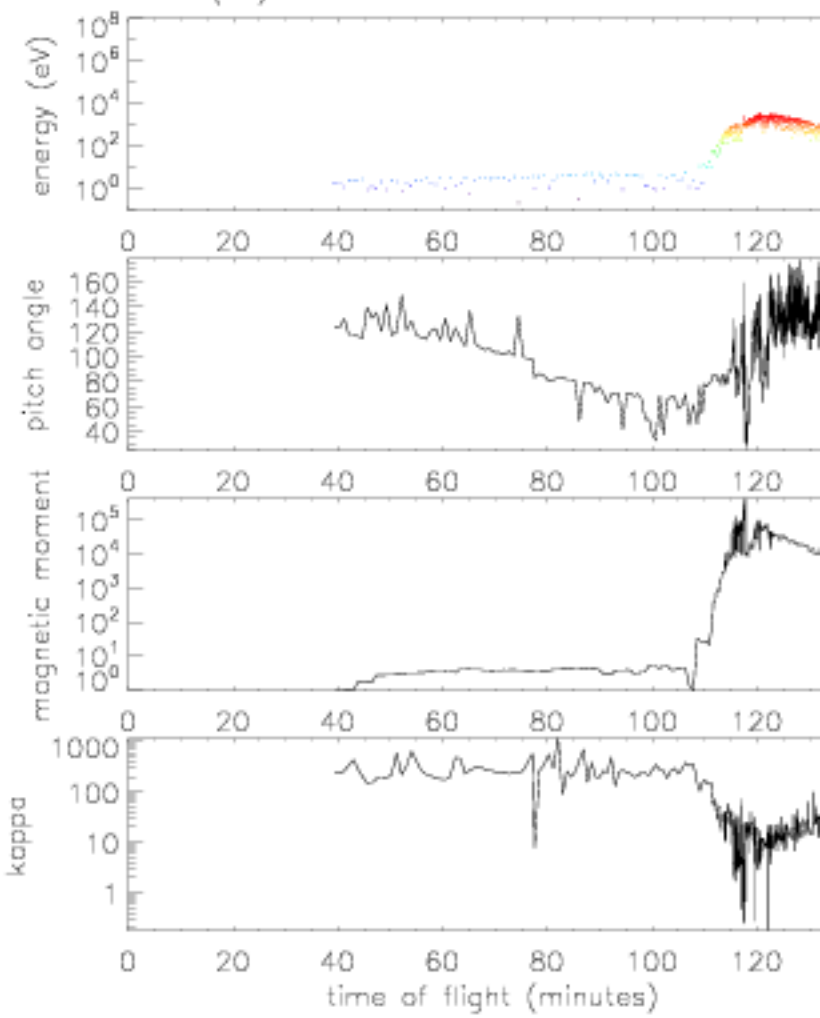
Time (minute): 154.9, 220.8
Magnetic local time: 23.270, 23.660
Magnetic latitude: 0.000, 9.870
Distance (Re): 9.66, 9.28
Energy (eV): 1.58, 1.74
Pitch angle: 66.770, 99.910
Tilt angle (deg): 0.000

file: particle0000037.full

Thu Nov 2 12:05:37 2006





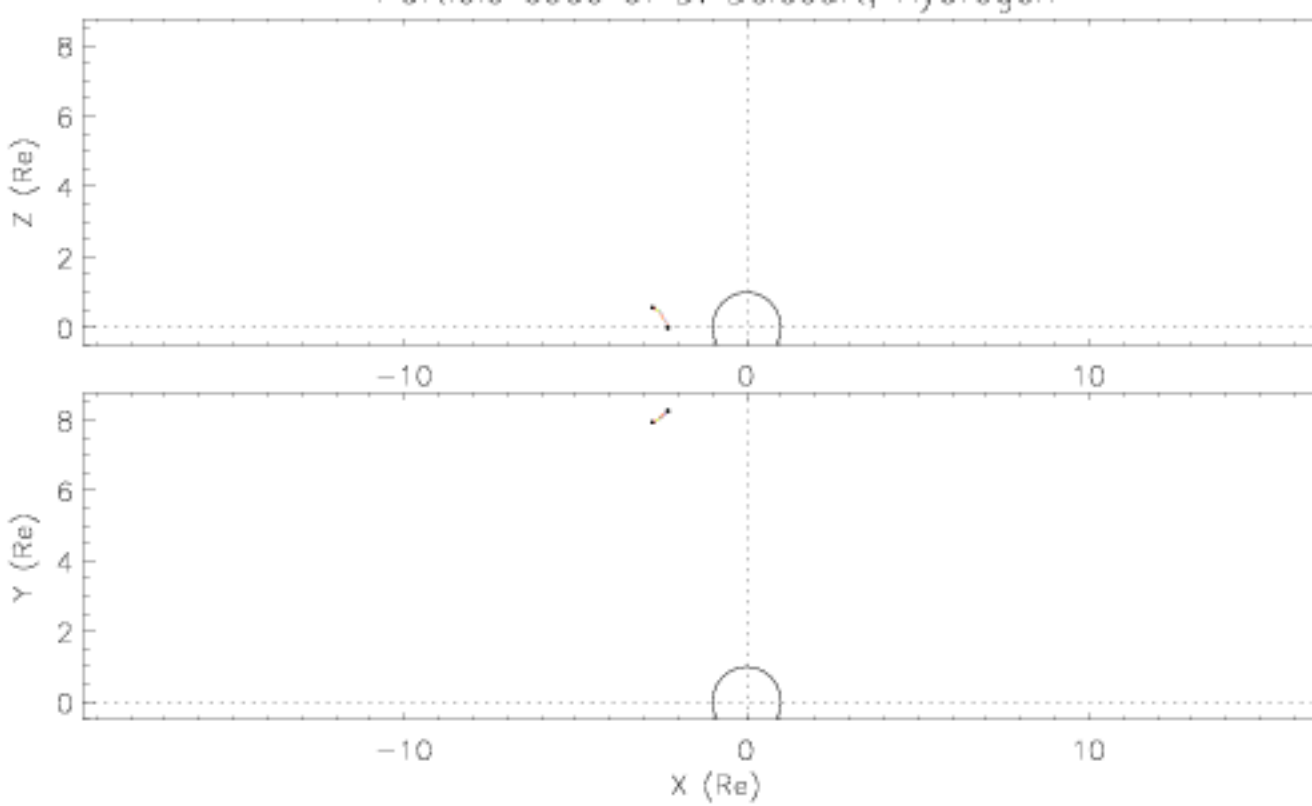


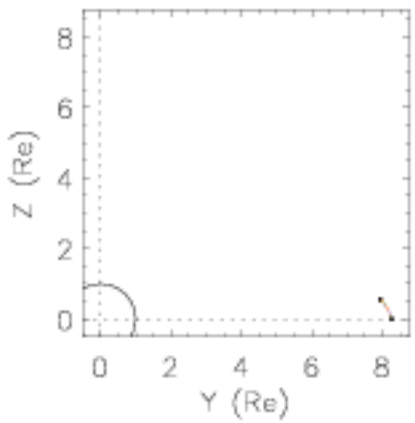
Start, Stop Parameters:

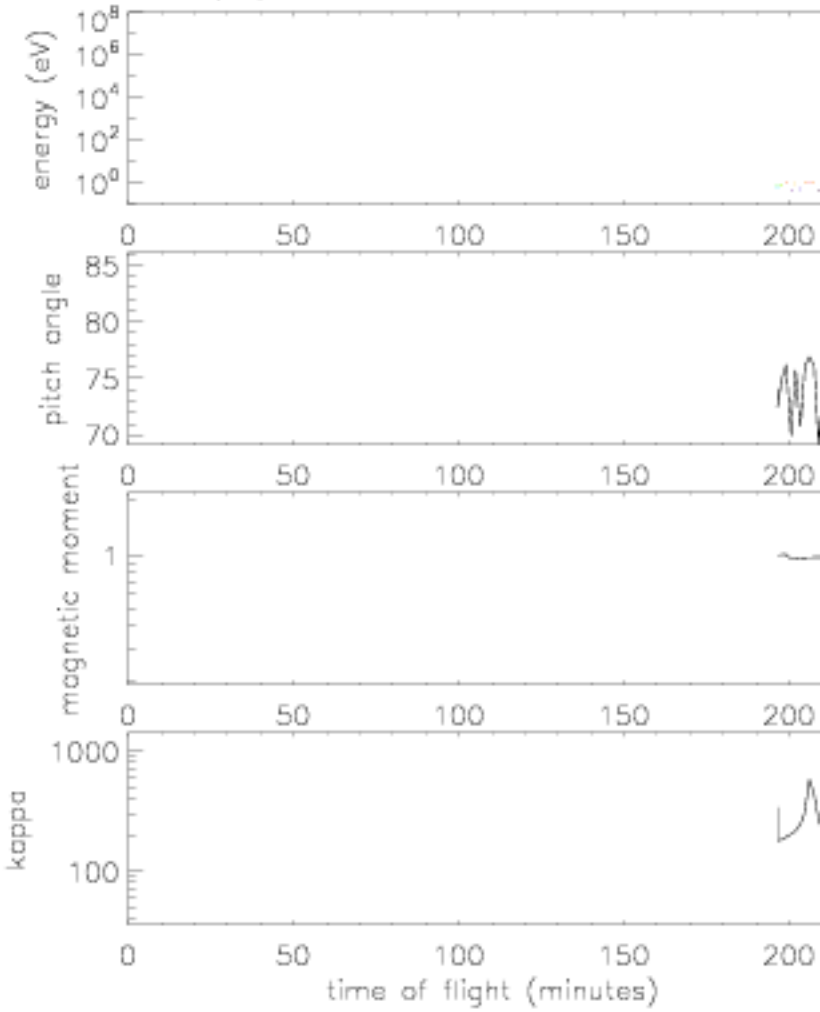
Time (minute): 39.4, 139.4
Magnetic local time: 19.870, 23.090
Magnetic latitude: 0.000, 15.270
Distance (Re): 8.00, 70.01
Energy (eV): 1.77, 1538.00
Pitch angle: 123.200, 149.100
Tilt angle (deg): 0.000

file: particle0000038.full

Thu Nov 2 12:05:37 2006





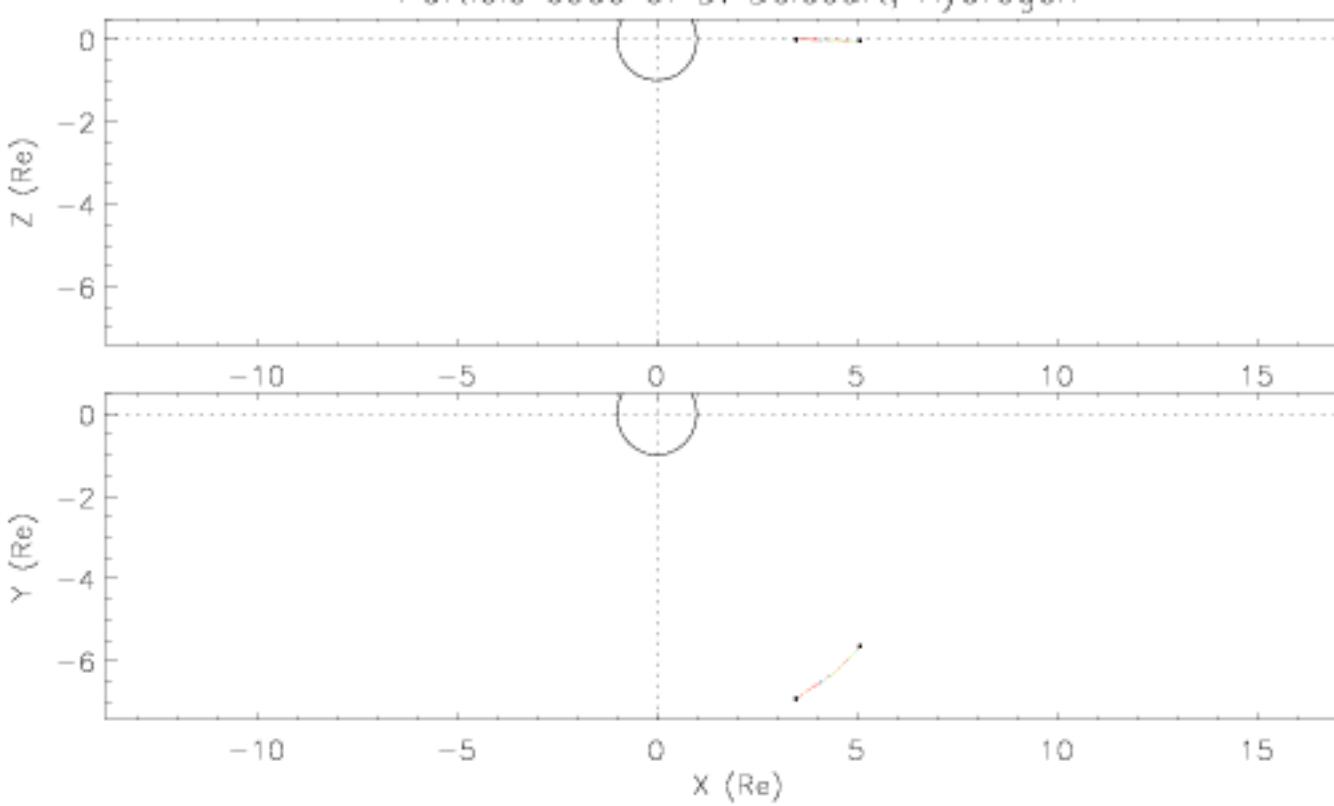


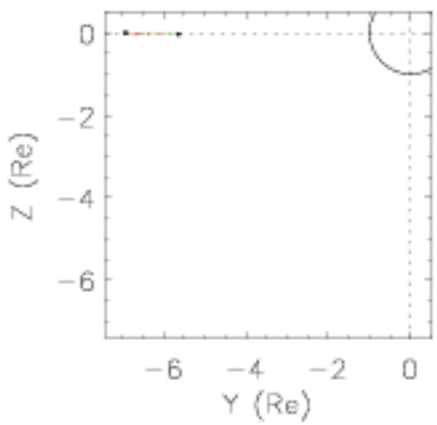
Start, Stop Parameters:

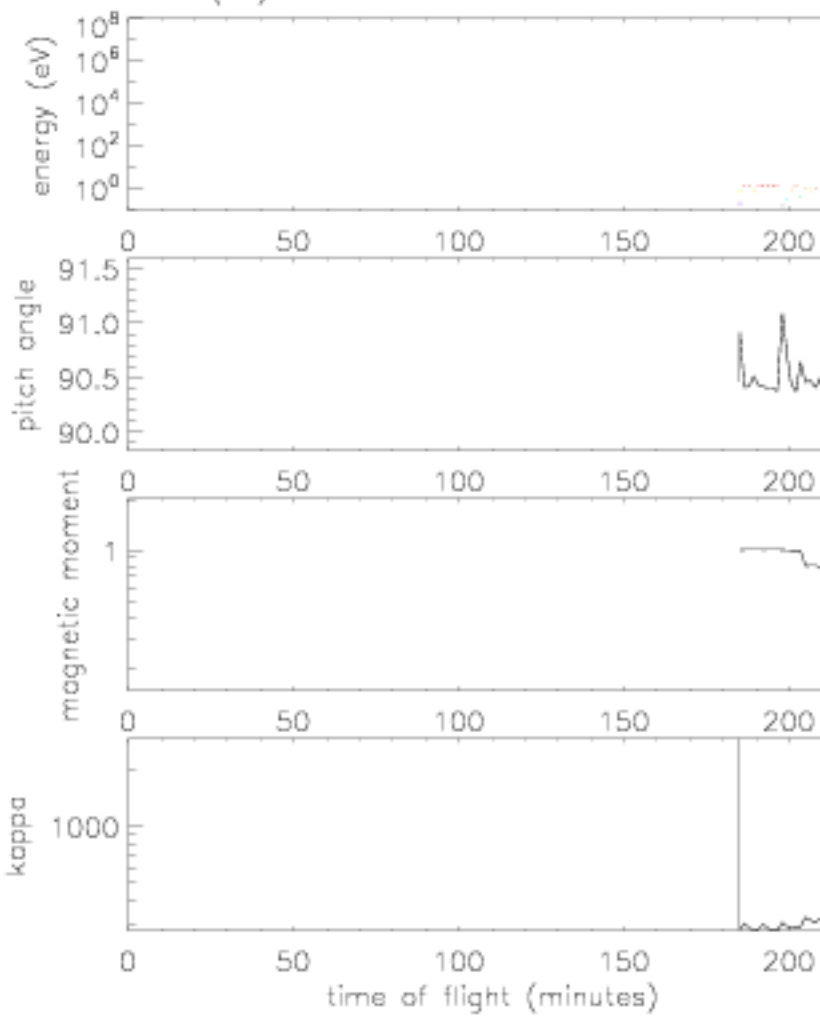
Time (minute): 196.3, 220.8
Magnetic local time: 19.040, 19.280
Magnetic latitude: 0.000, 3.821
Distance (Re): 8.57, 8.41
Energy (eV): 0.77, 0.73
Pitch angle: 74.140, 85.590
Tilt angle (deg): 0.000

file: particle0000039.full

Thu Nov 2 12:05:37 2006





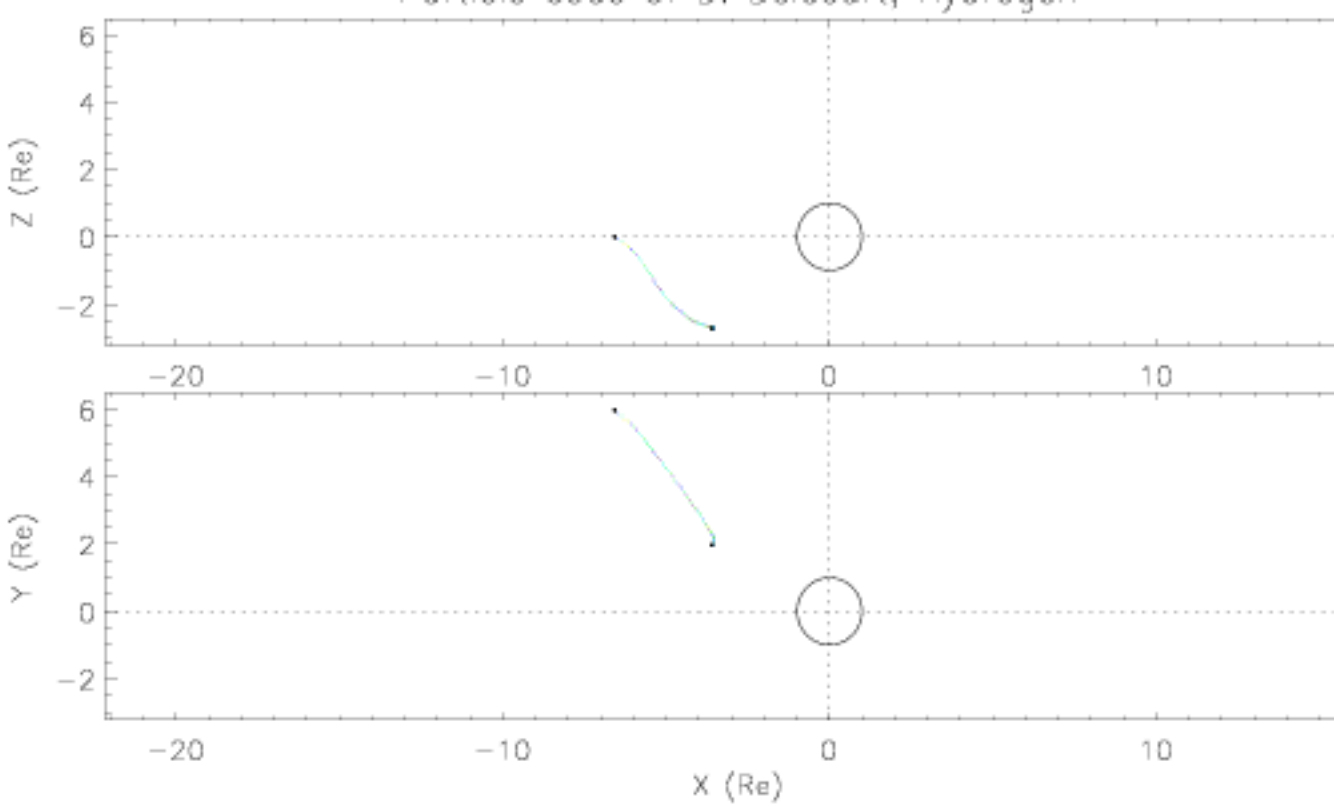


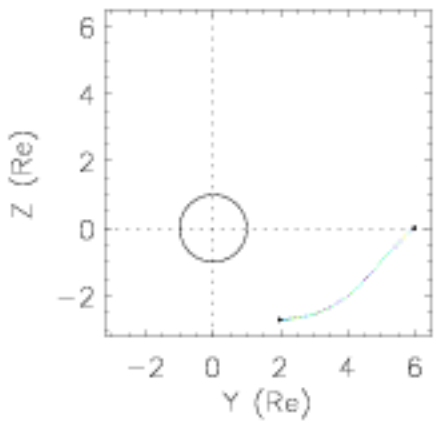
Start, Stop Parameters:

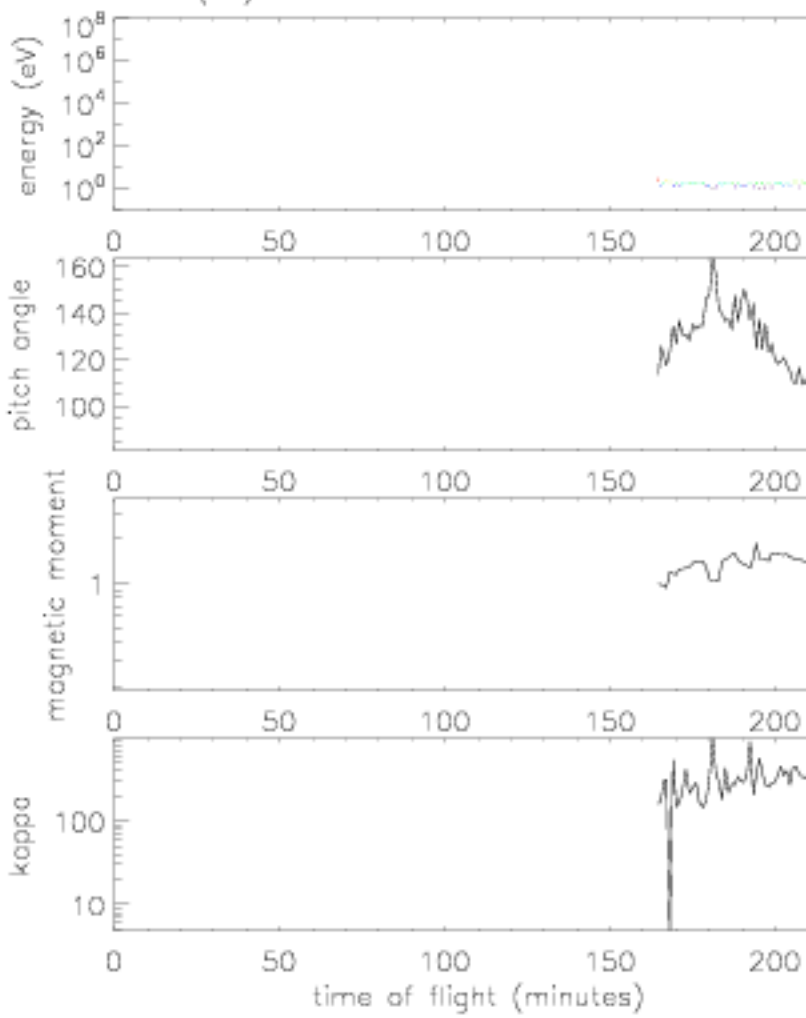
Time (minute): 185.0, 220.8
Magnetic local time: 7.780, 8.802
Magnetic latitude: 0.000, −0.263
Distance (Re): 7.74, 7.59
Energy (eV): 0.85, 1.17
Pitch angle: 90.460, 90.330
Tilt angle (deg): 0.000

file: particle0000040.full

Thu Nov 2 12:05:37 2006





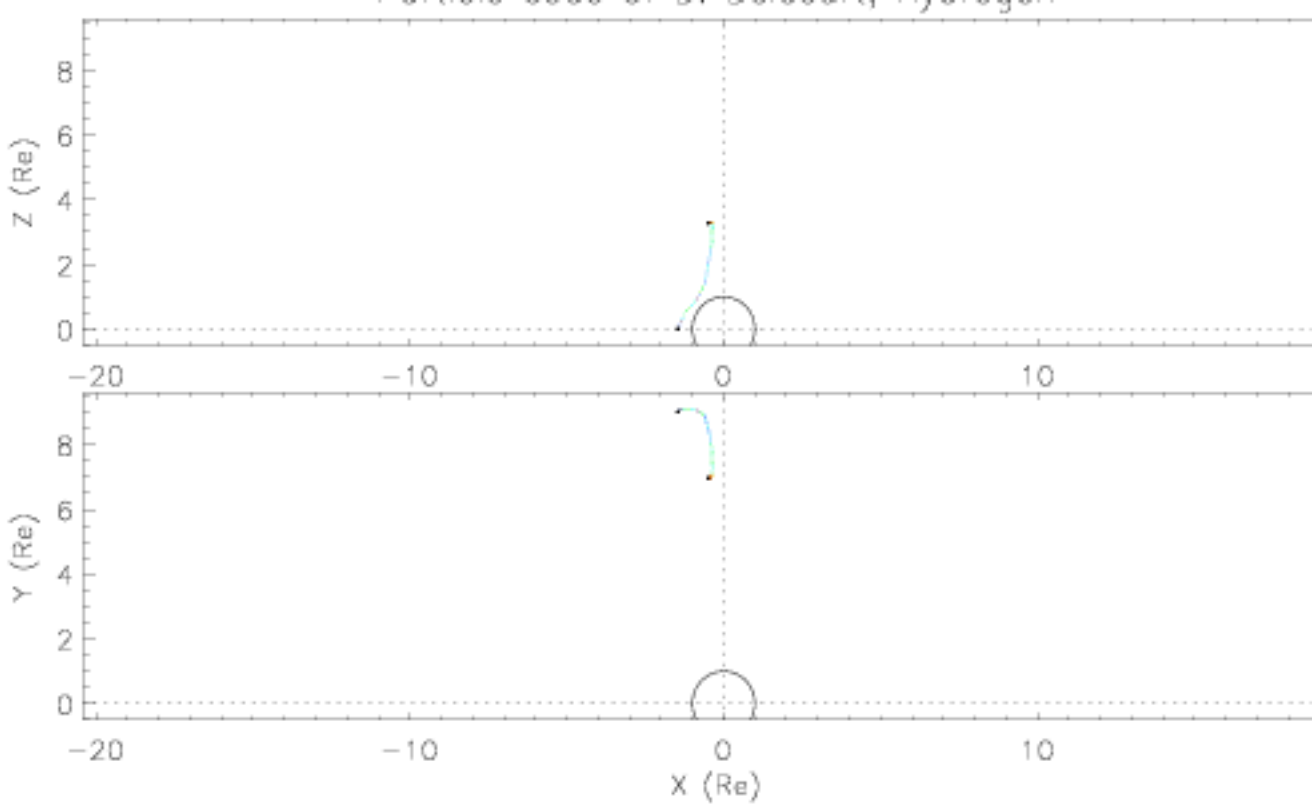


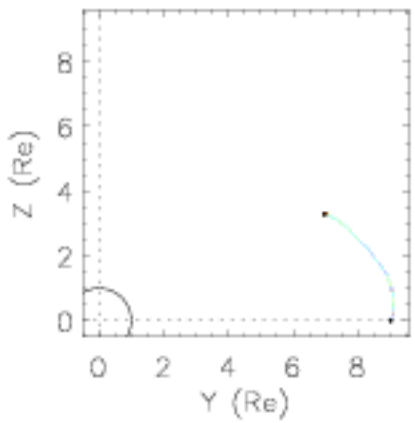
Start, Stop Parameters:

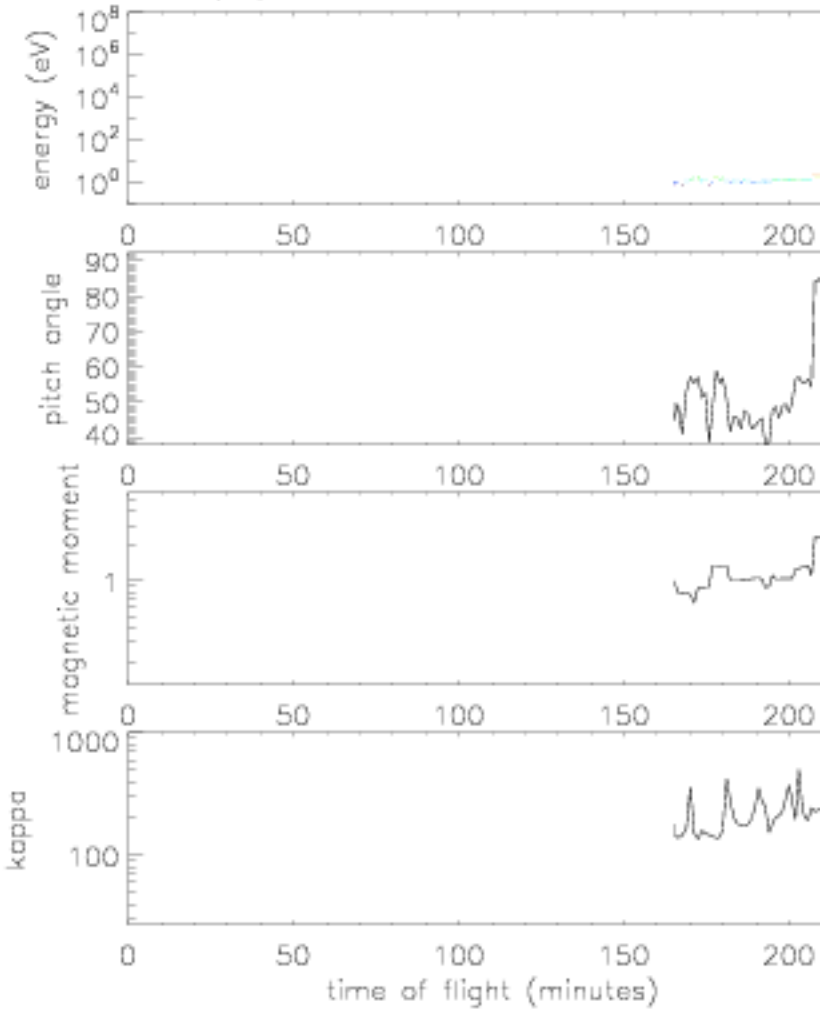
Time (minute): 164.7, 220.8
Magnetic local time: 21.180, 22.090
Magnetic latitude: 0.000, −33.450
Distance (Re): 8.89, 4.93
Energy (eV): 3.06, 1.99
Pitch angle: 113.300, 81.330
Tilt angle (deg): 0.000

file: particle0000041.full

Thu Nov 2 12:05:38 2006





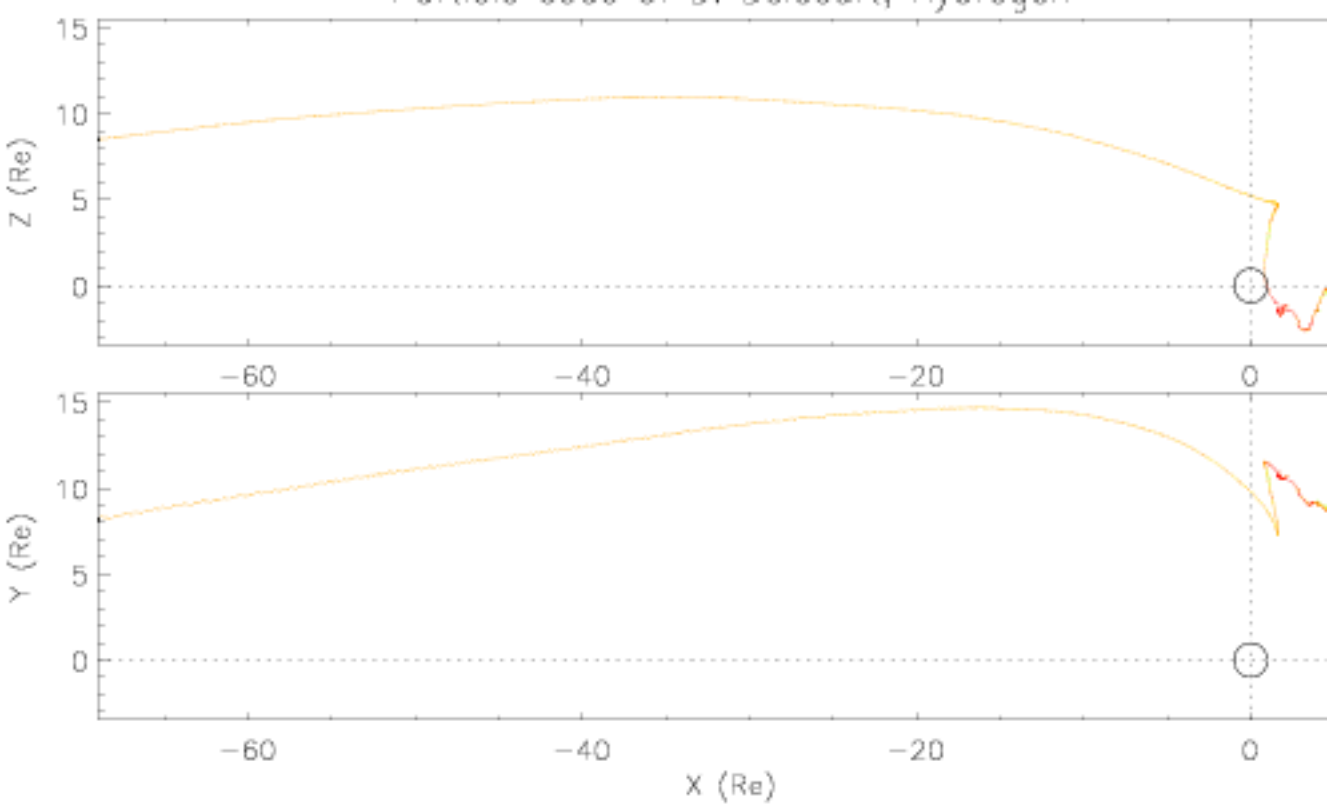


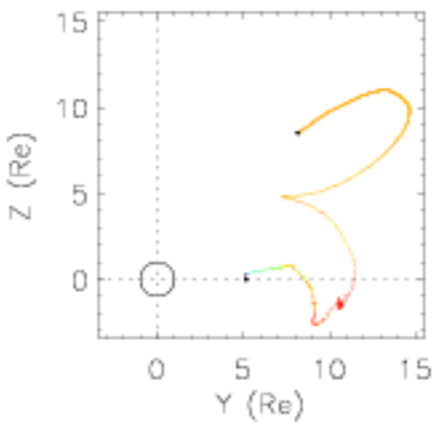
Start, Stop Parameters:

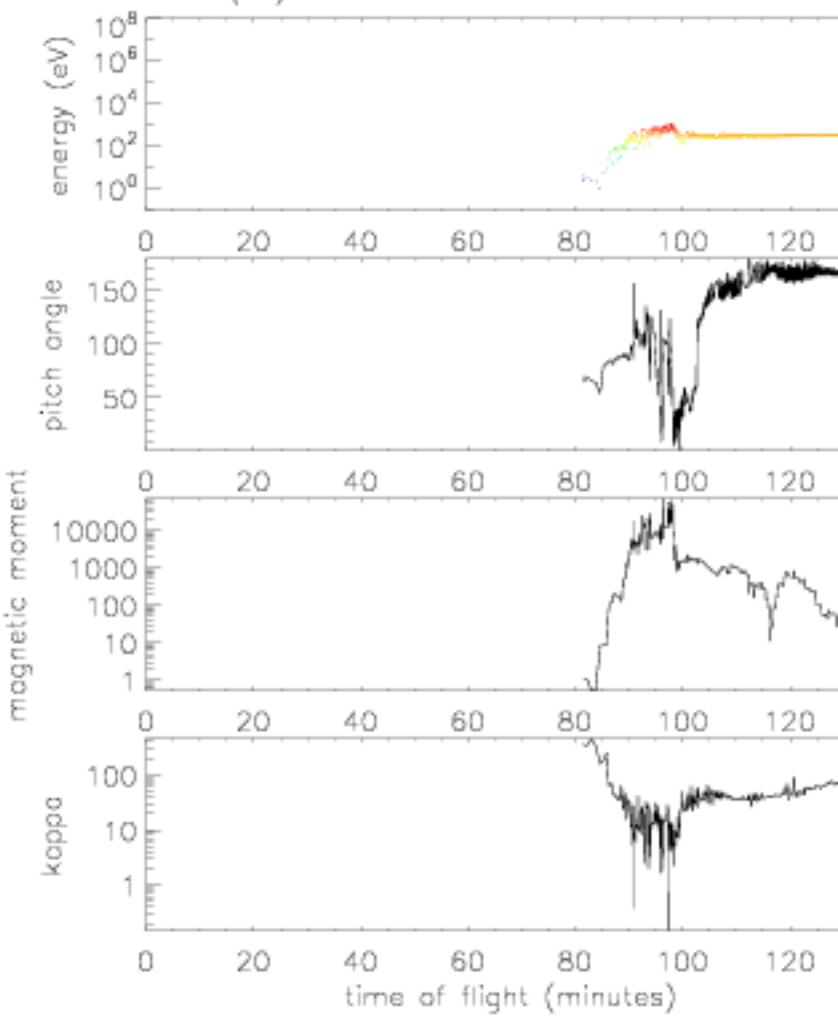
Time (minute): 165.1, 220.8
Magnetic local time: 18.610, 18.270
Magnetic latitude: 0.000, 25.180
Distance (Re): 9.13, 7.72
Energy (eV): 1.13, 2.49
Pitch angle: 49.950, 92.390
Tilt angle (deg): 0.000

file: particle0000042.full

Thu Nov 2 12:05:38 2006





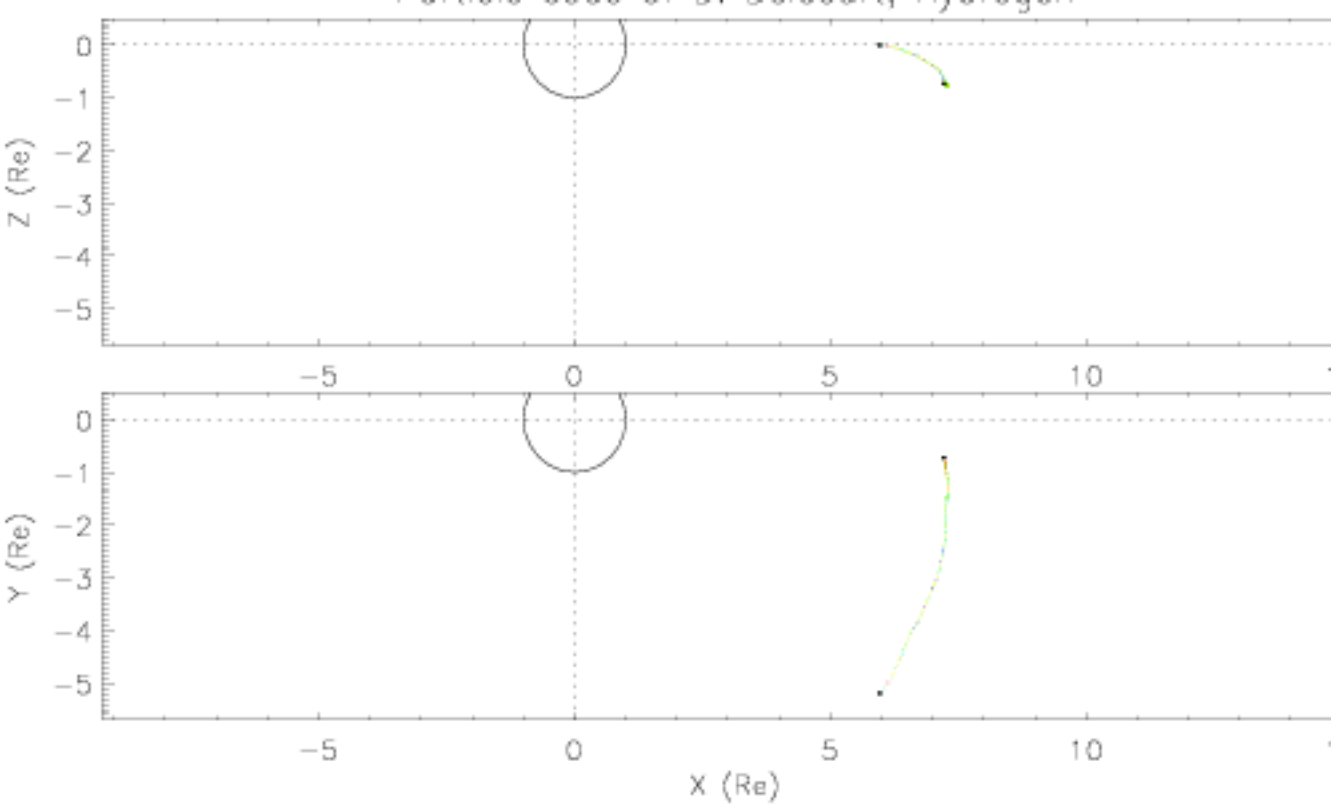


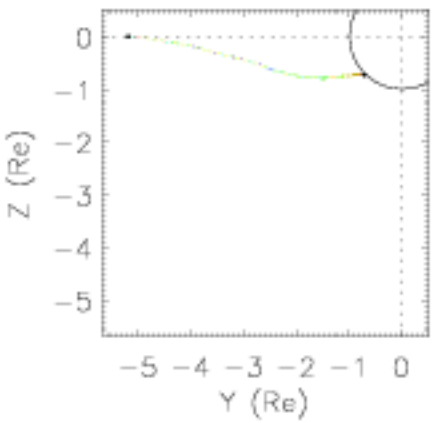
Start, Stop Parameters:

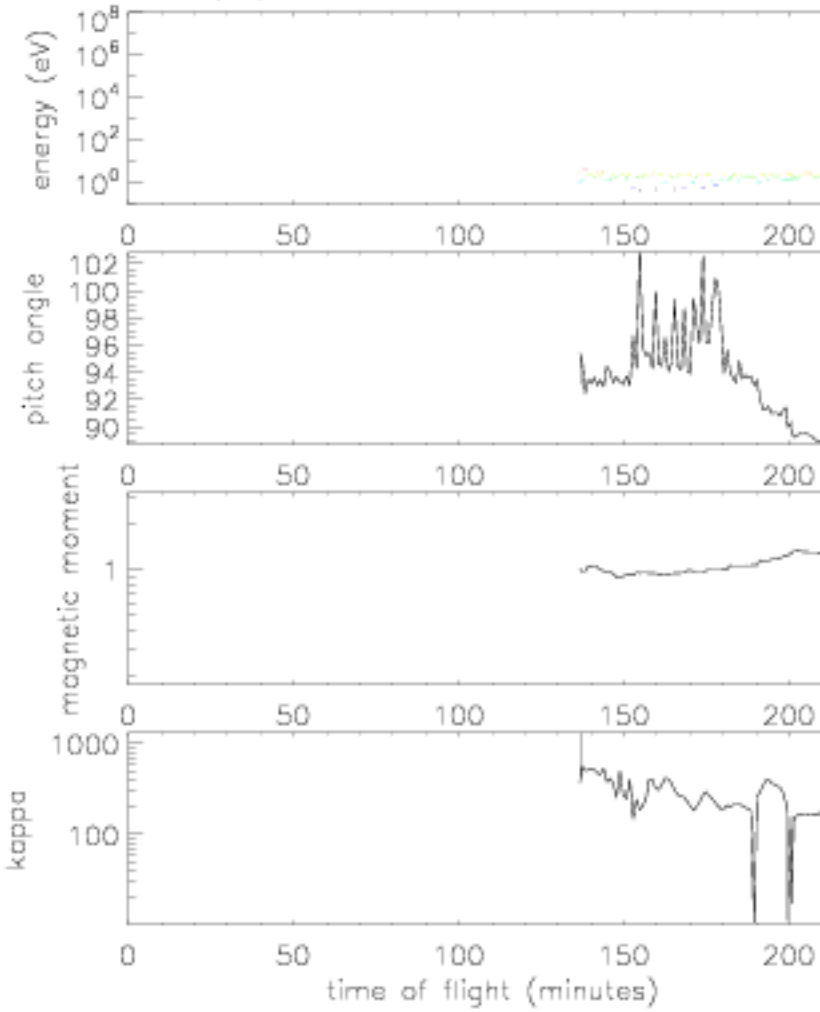
Time (minute): 81.6, 136.1
Magnetic local time: 14.640, 23.550
Magnetic latitude: 0.000, 6.972
Distance (Re): 8.09, 70.00
Energy (eV): 3.99, 347.50
Pitch angle: 70.210, 160.100
Tilt angle (deg): 0.000

file: particle0000043.full

Thu Nov 2 12:05:38 2006





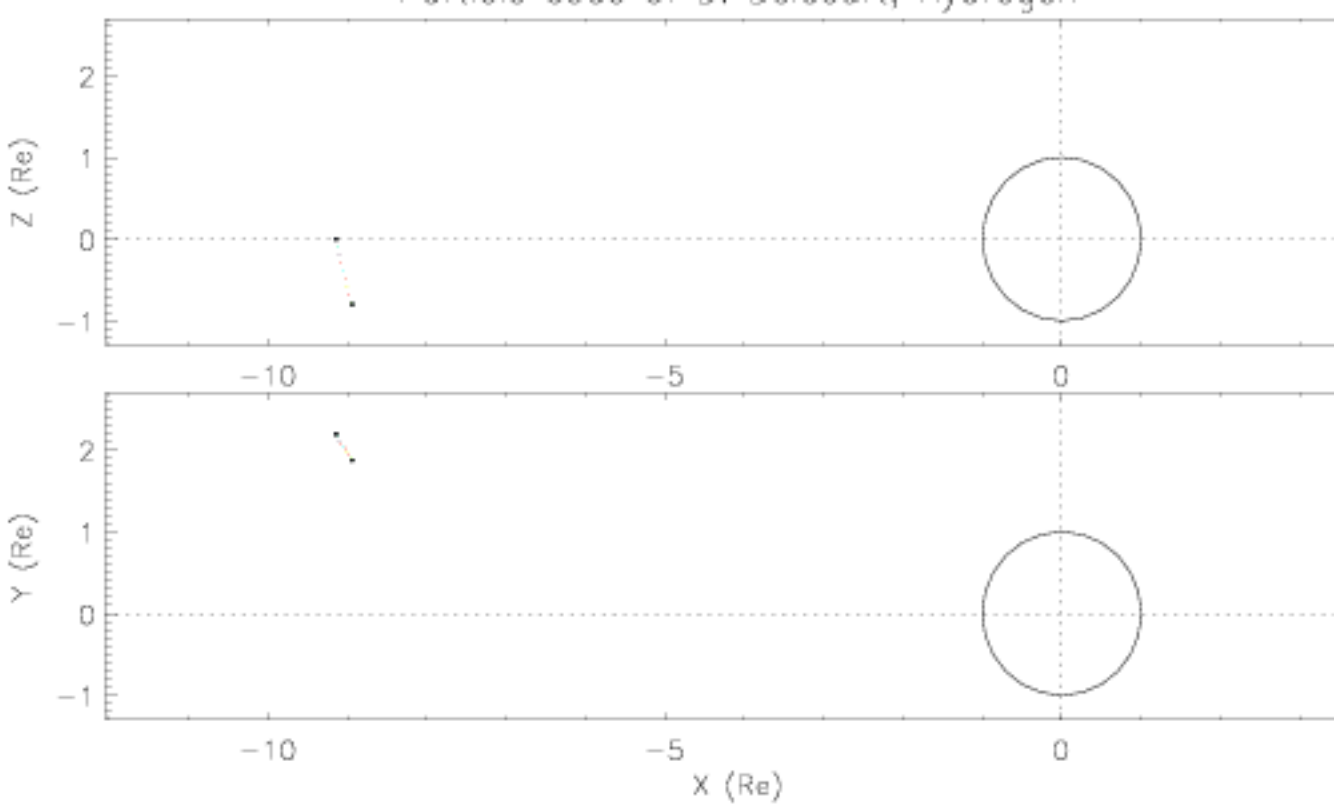


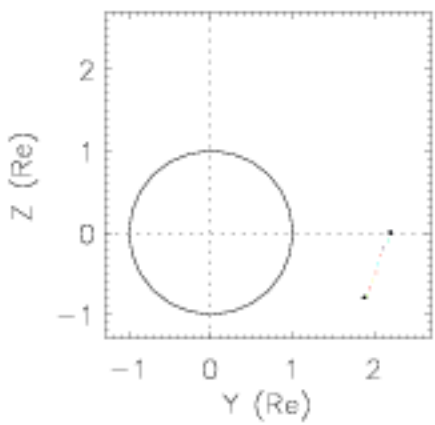
Start, Stop Parameters:

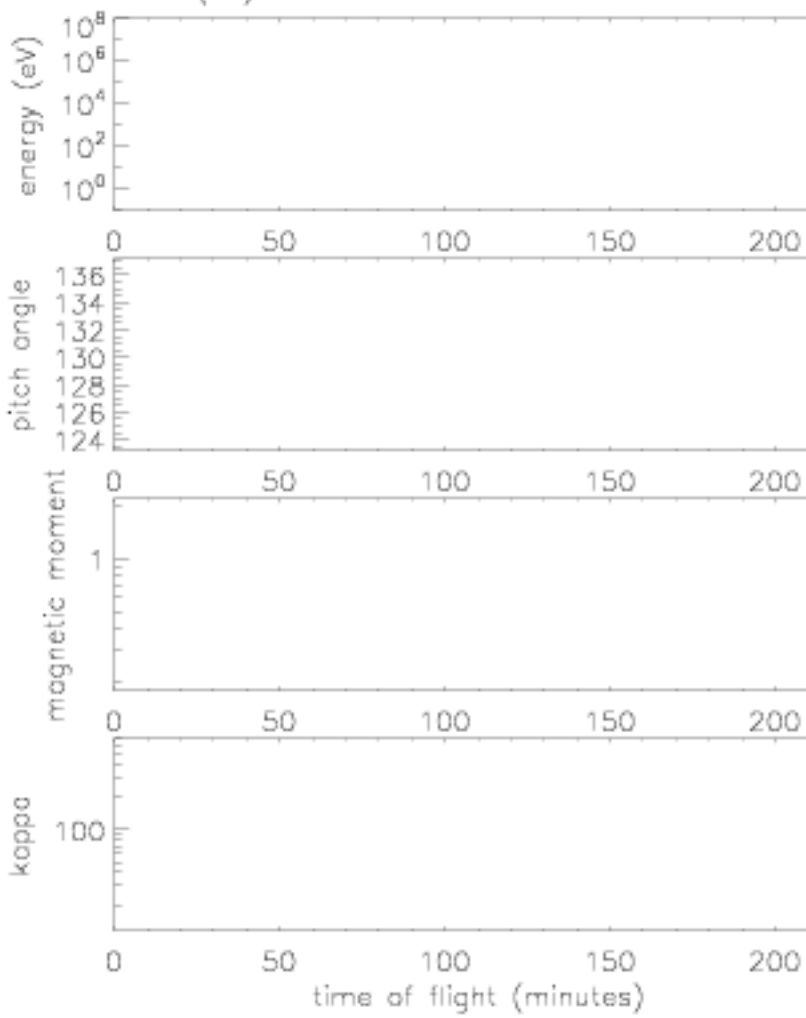
Time (minute): 136.6, 220.8
Magnetic local time: 9.264, 11.620
Magnetic latitude: 0.000, −5.726
Distance (Re): 7.91, 7.28
Energy (eV): 3.07, 2.42
Pitch angle: 93.110, 88.760
Tilt angle (deg): 0.000

file: particle0000044.full

Thu Nov 2 12:05:38 2006





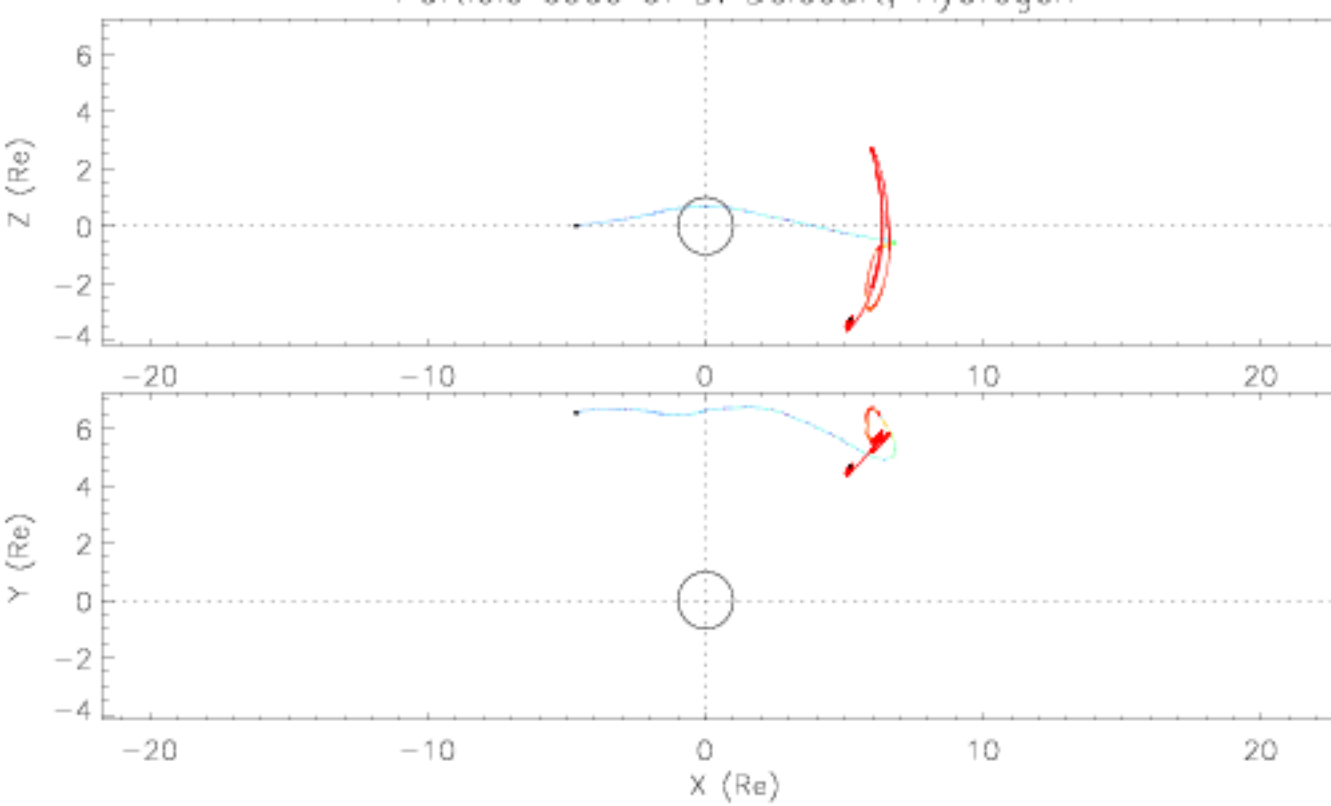


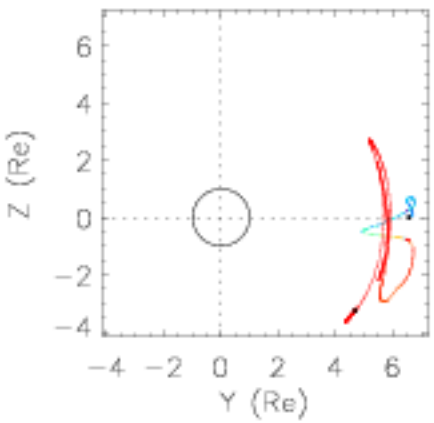
Start, Stop Parameters:

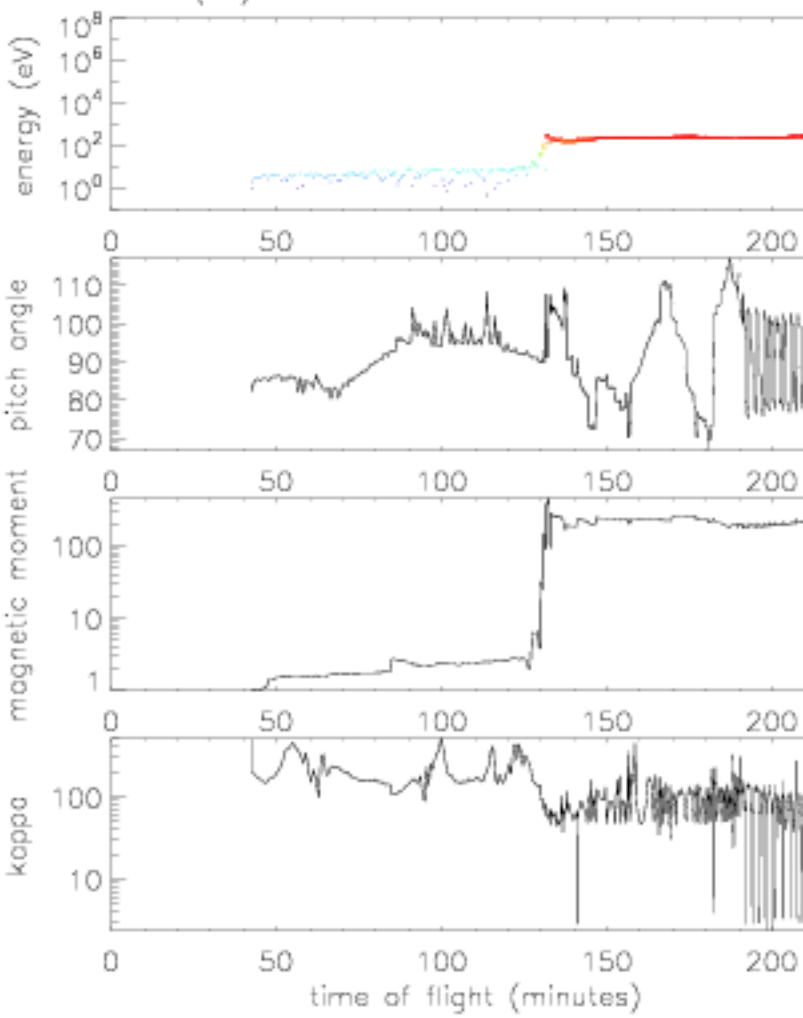
Time (minute): 212.5, 220.8
Magnetic local time: 23.100, 23.210
Magnetic latitude: 0.000, −4.987
Distance (Re): 9.41, 9.17
Energy (eV): 1.25, 1.36
Pitch angle: 128.400, 137.200
Tilt angle (deg): 0.000

file: particle0000045.full

Thu Nov 2 12:05:39 2006





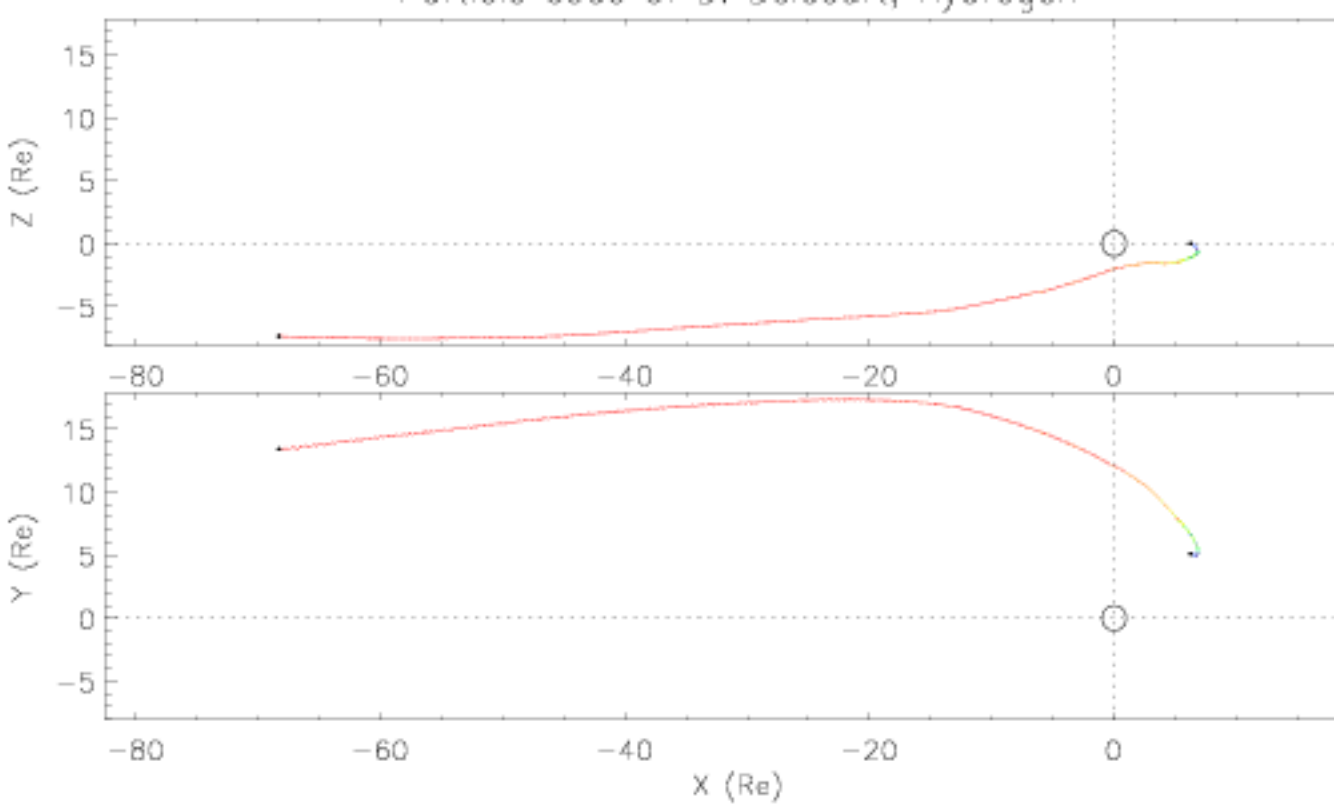


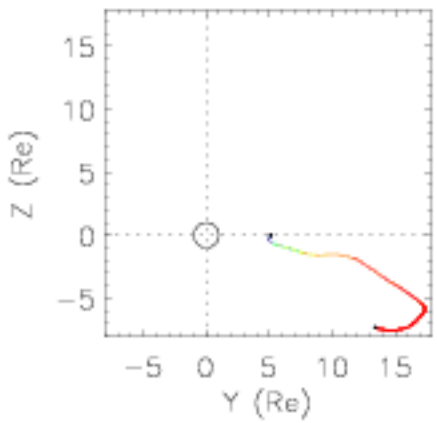
Start, Stop Parameters:

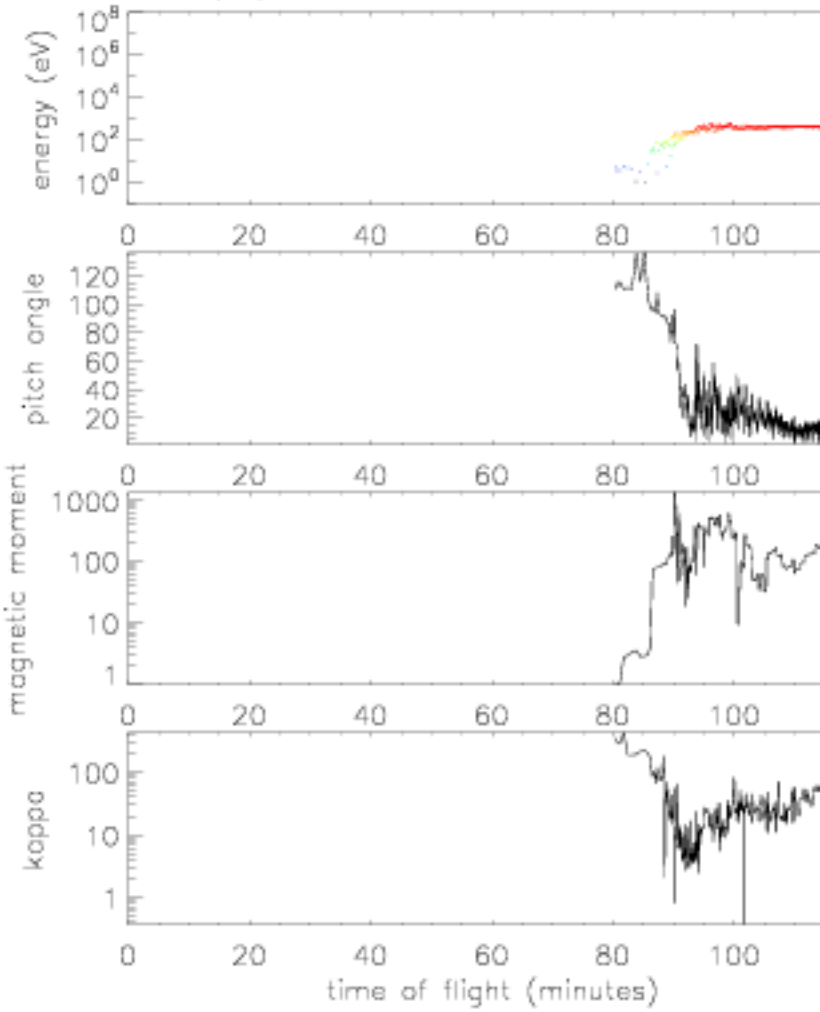
Time (minute): 42.4, 220.8
Magnetic local time: 20.360, 14.800
Magnetic latitude: 0.000, −24.930
Distance (Re): 8.04, 7.72
Energy (eV): 2.25, 360.80
Pitch angle: 84.310, 101.000
Tilt angle (deg): 0.000

file: particle0000046.full

Thu Nov 2 12:05:39 2006





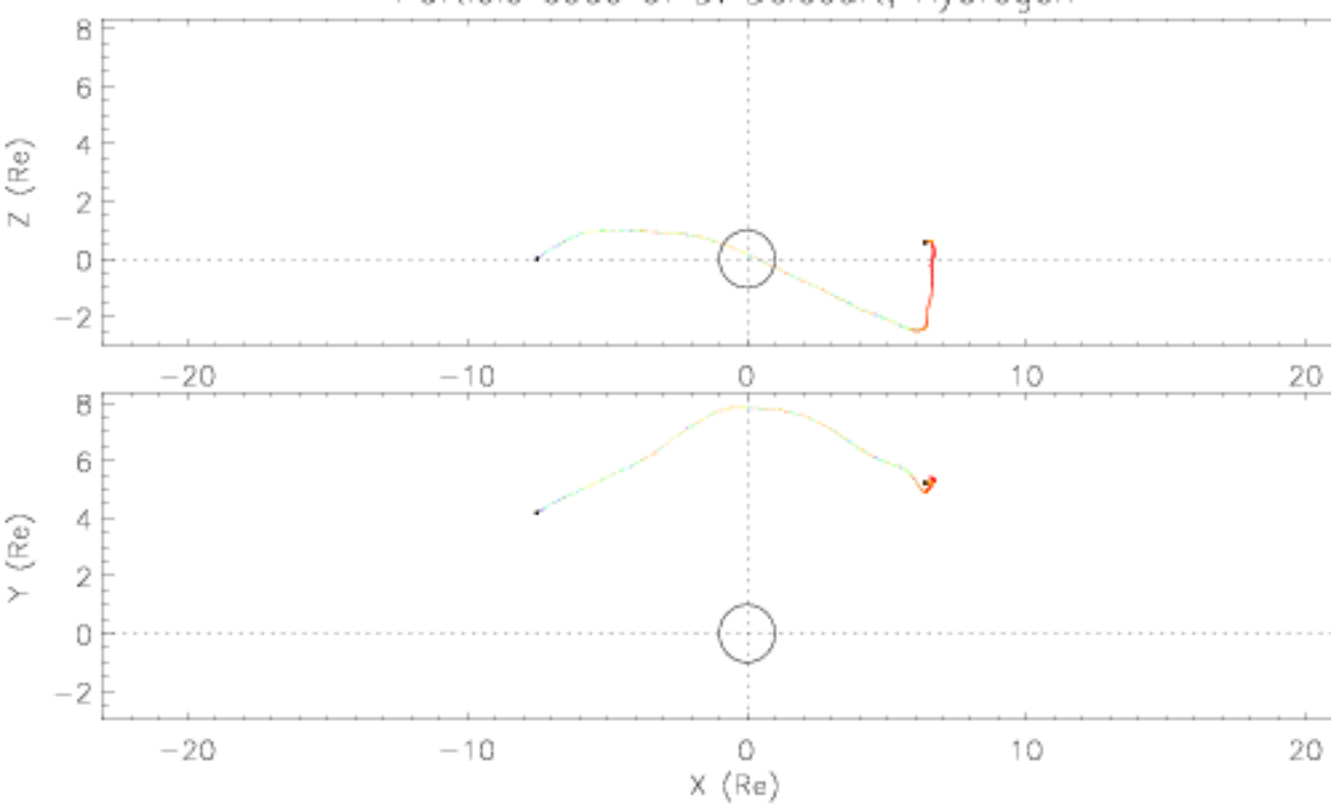


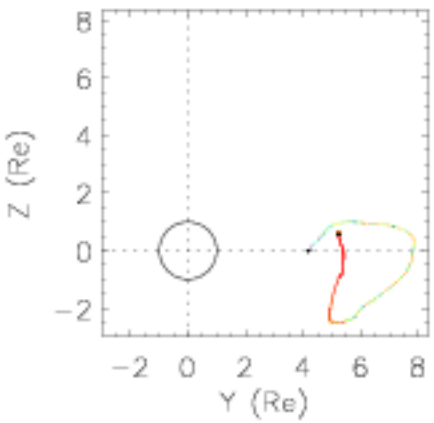
Start, Stop Parameters:

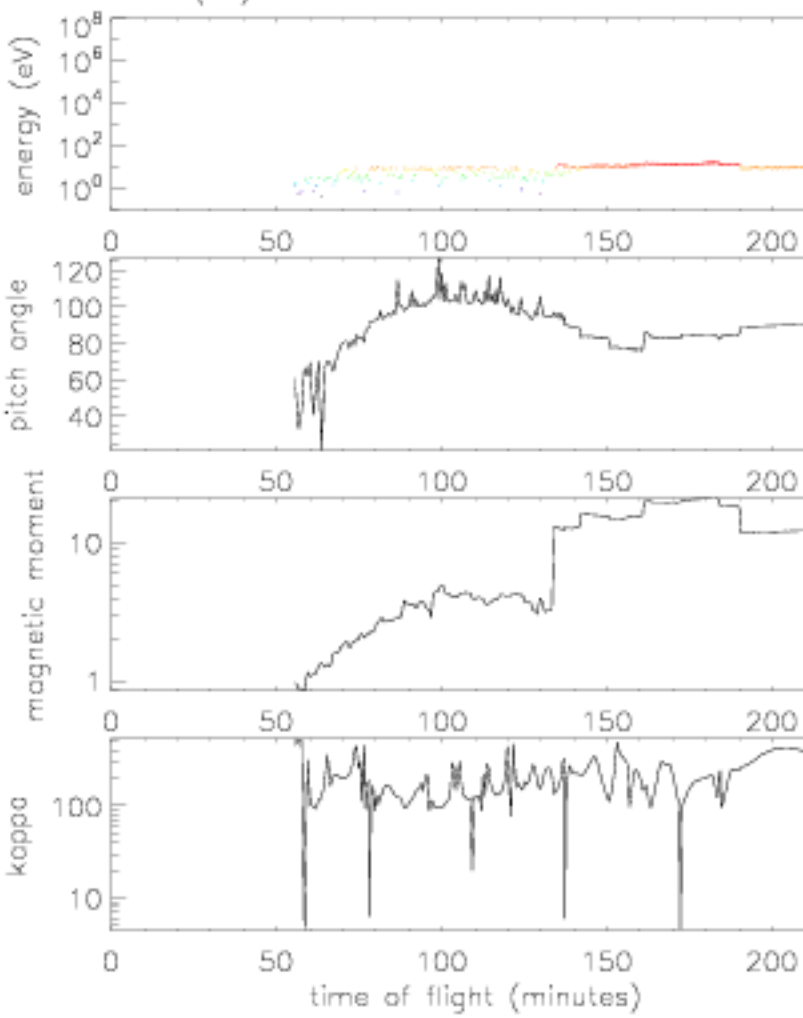
Time (minute): 80.4, 120.4
Magnetic local time: 14.610, 23.260
Magnetic latitude: 0.000, −6.025
Distance (Re): 8.08, 70.00
Energy (eV): 4.06, 450.90
Pitch angle: 115.500, 13.820
Tilt angle (deg): 0.000

file: particle0000047.full

Thu Nov 2 12:05:39 2006





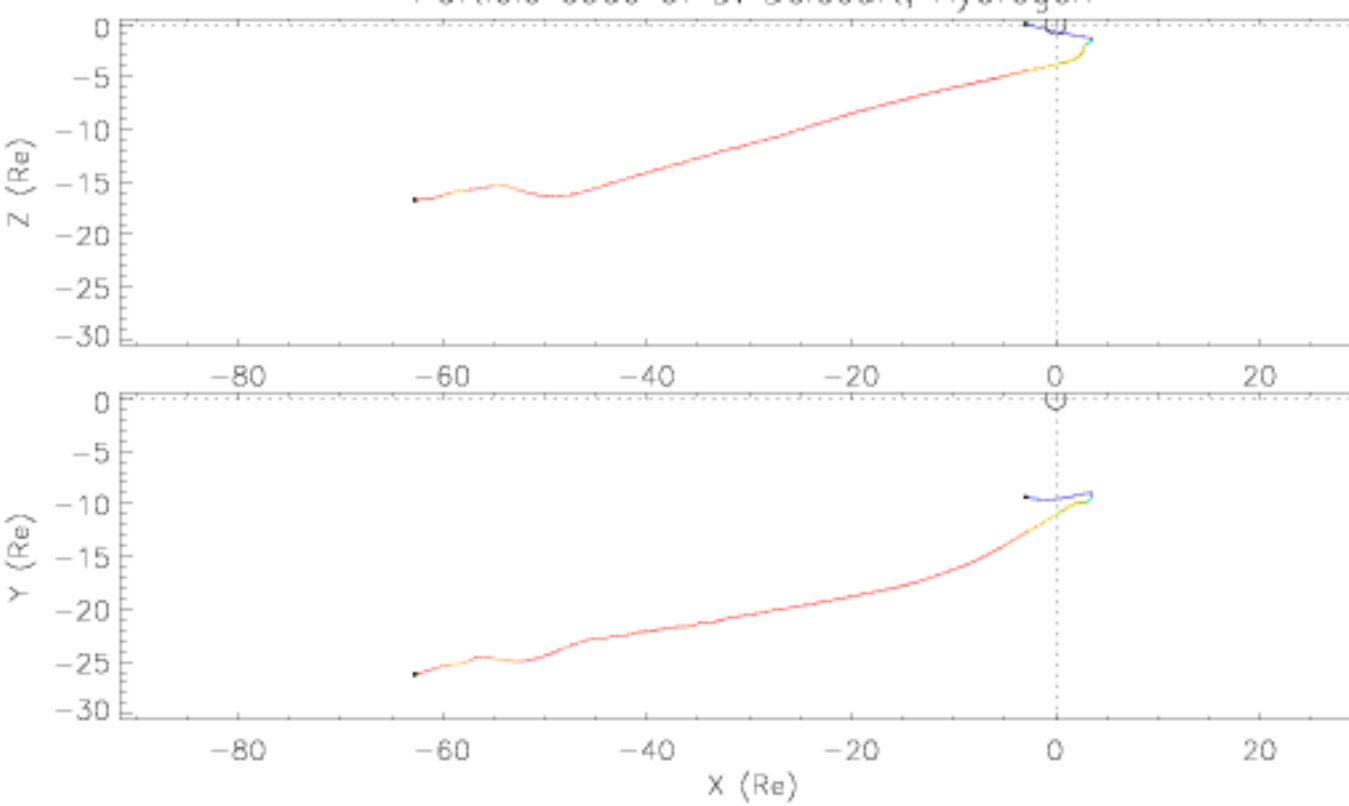


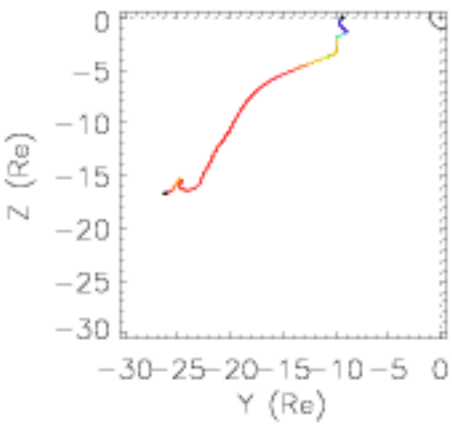
Start, Stop Parameters:

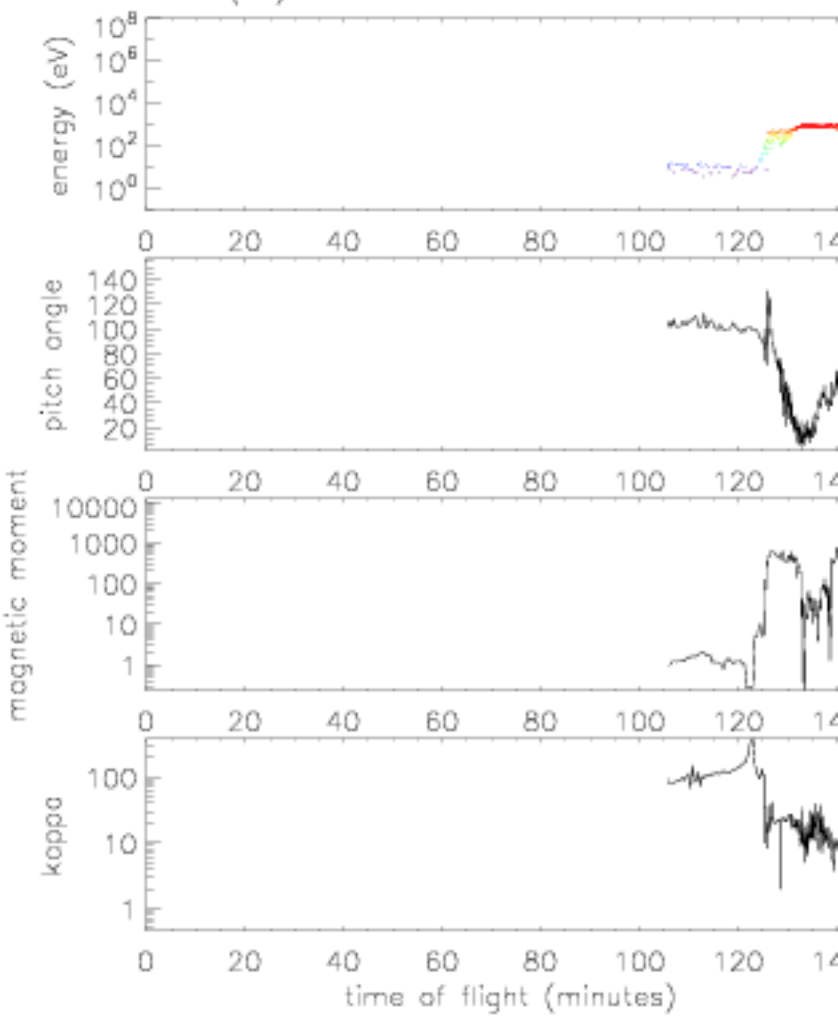
Time (minute): 55.7, 220.8
Magnetic local time: 22.060, 14.630
Magnetic latitude: 0.000, 3.949
Distance (Re): 8.60, 8.26
Energy (eV): 1.87, 10.73
Pitch angle: 60.860, 91.150
Tilt angle (deg): 0.000

file: particle000048.full

Thu Nov 2 12:05:40 2006







Start, Stop Parameters:

Time (minute): 105.8, 147.9
Magnetic local time: 4.835, 1.511
Magnetic latitude: 0.000, −13.810
Distance (Re): 9.85, 70.00
Energy (eV): 10.20, 1175.00
Pitch angle: 104.100, 105.800
Tilt angle (deg): 0.000

file: particle0000049.full

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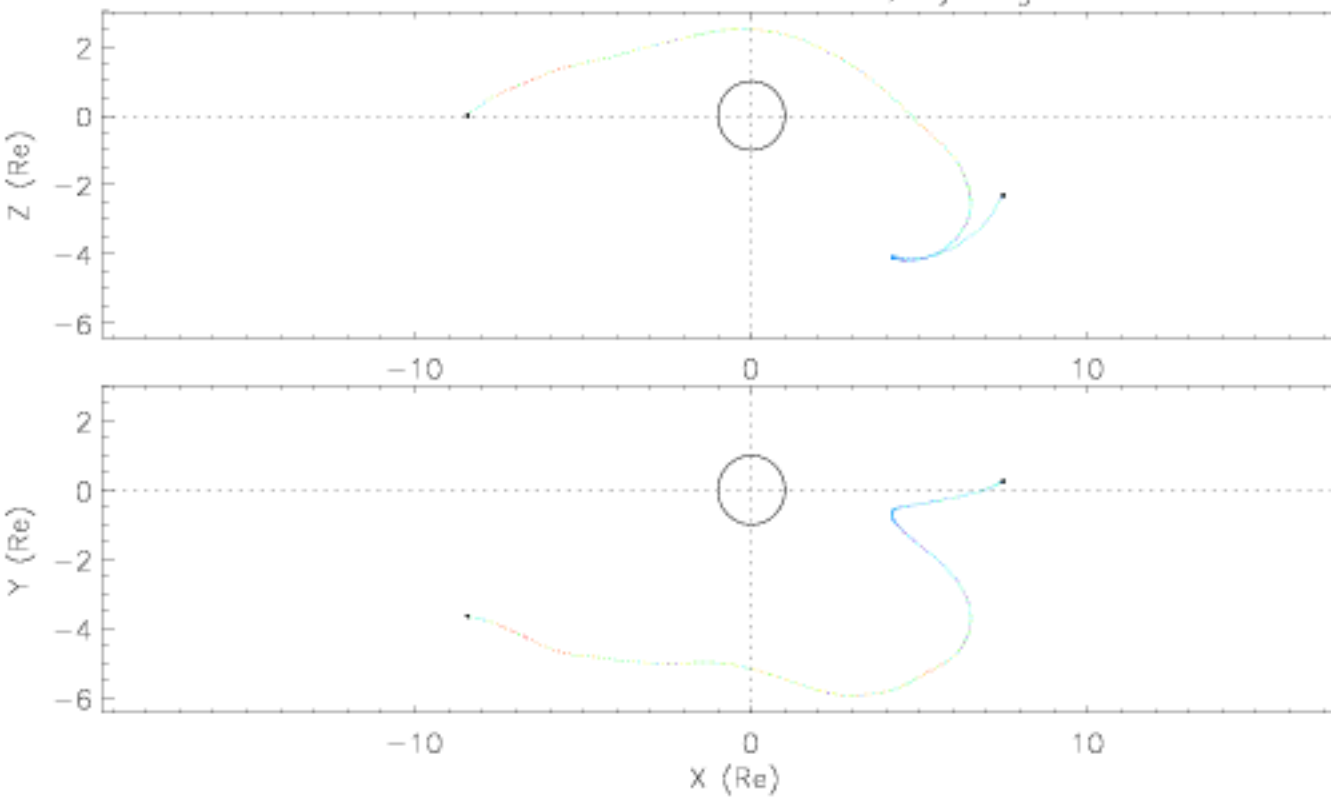

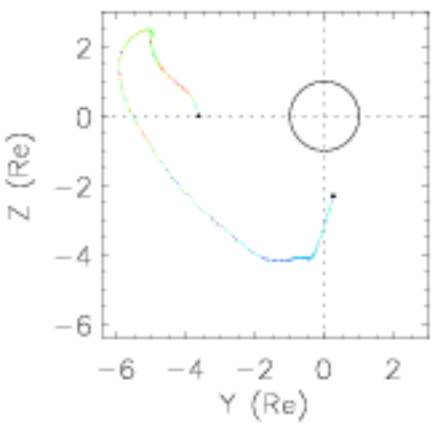

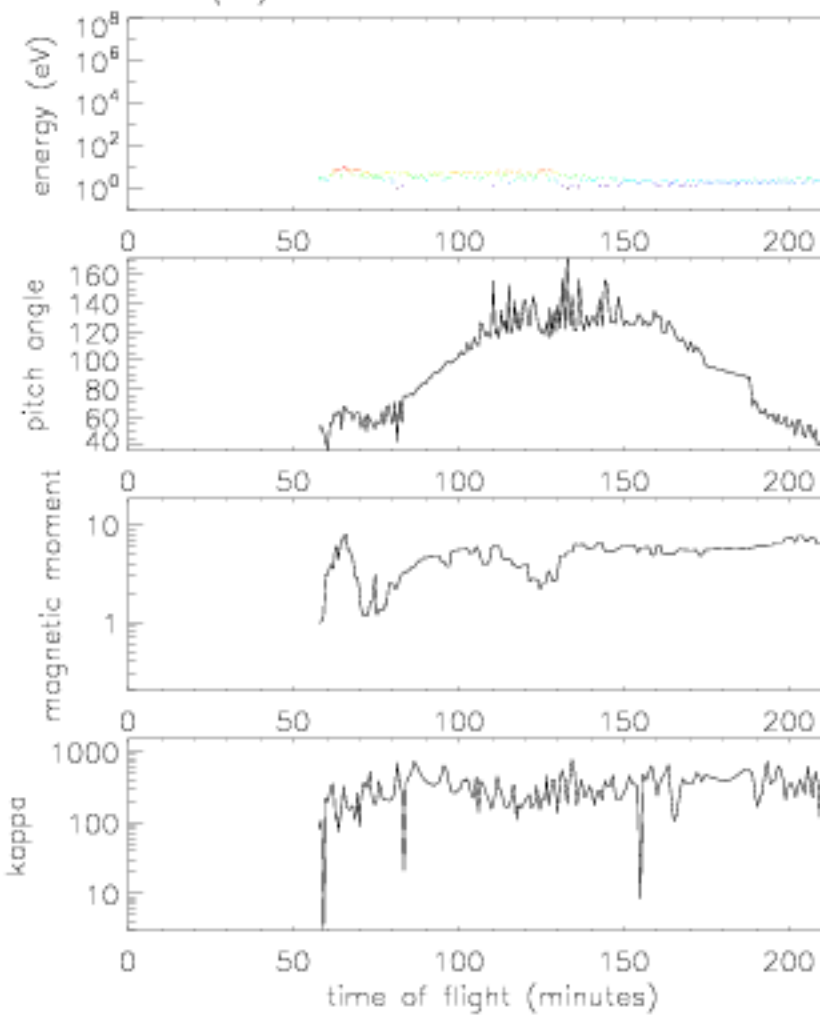

Start, Stop Parameters:

Time (minute): 57.6, 220.8
Magnetic local time: 1.552, 12.130
Magnetic latitude: 0.000, −17.080
Distance (Re): 9.18, 7.84
Energy (eV): 2.97, 2.88
Pitch angle: 50.760, 50.580
Tilt angle (deg): 0.000

file: particle0000050.full

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