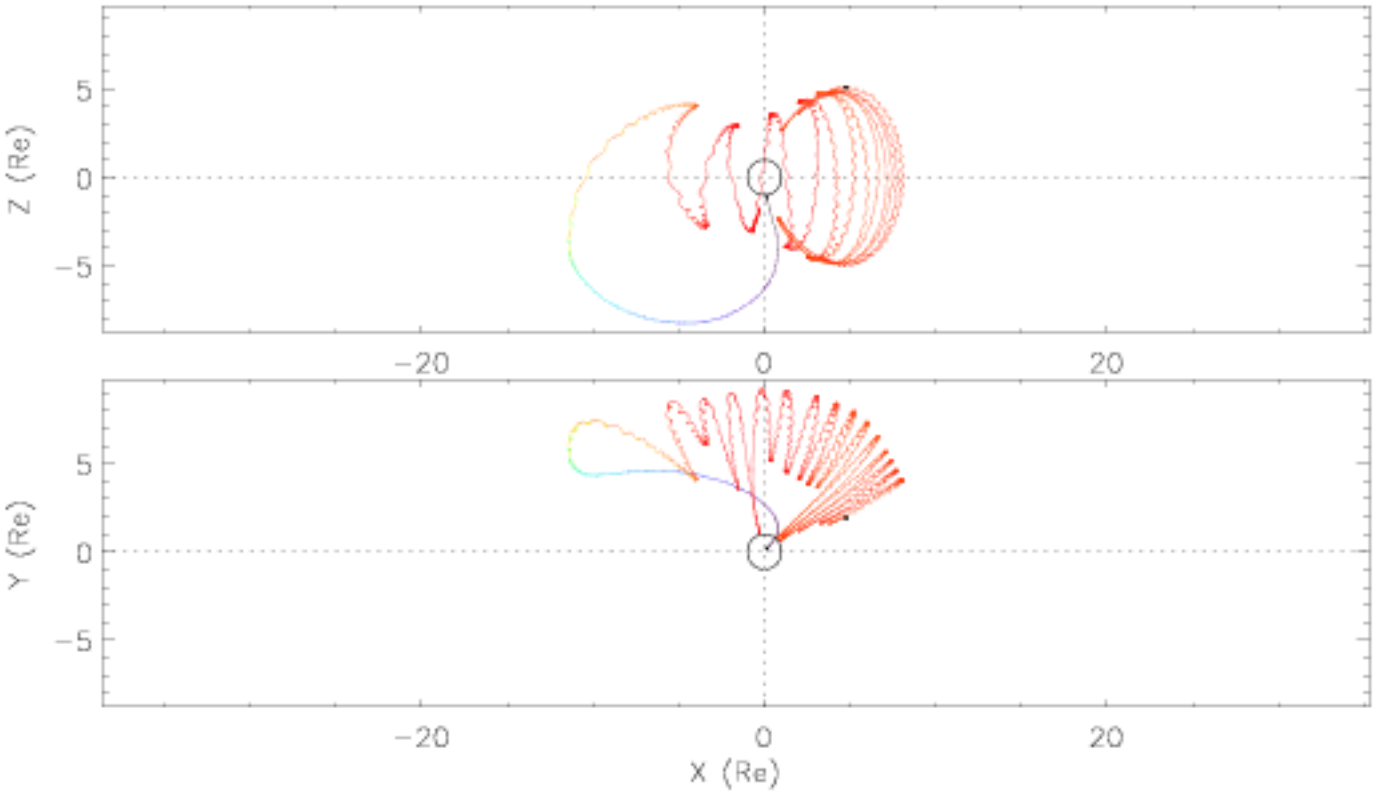
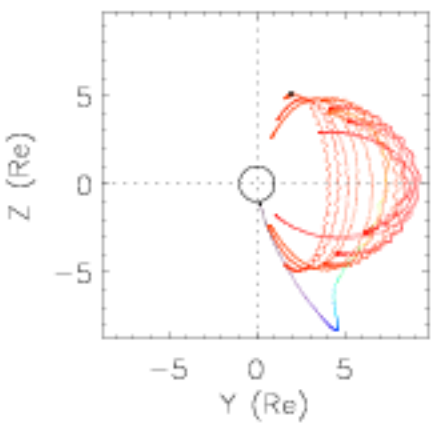
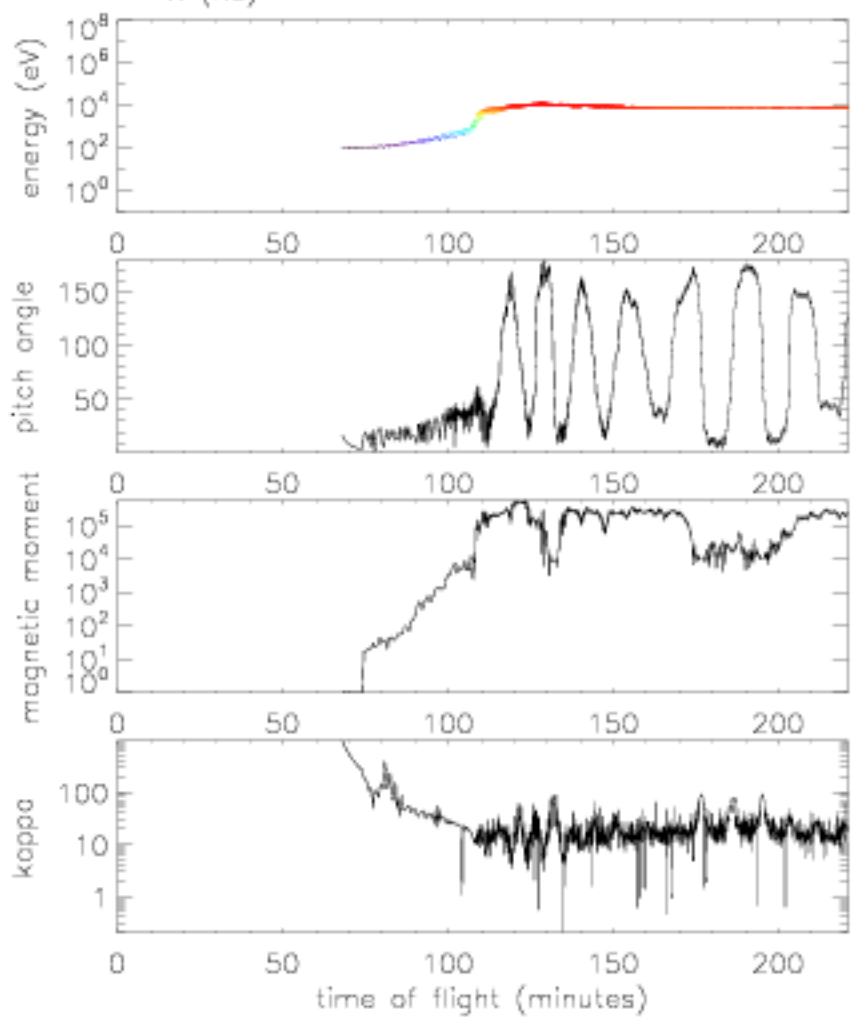
Particle code of D. Delcourt







Start, Stop Parameters:

Time (minute): 67.9, 220.8
Magnetic local time: 15.290, 13.470
Magnetic latitude: −78.360, 44.820
Distance (Re): 1.16, 7.24
Energy (eV): 110.30, 8064.00
Pitch angle: 16.670, 125.600
Tilt angle (deg): 0.000

file: particle1000364.full

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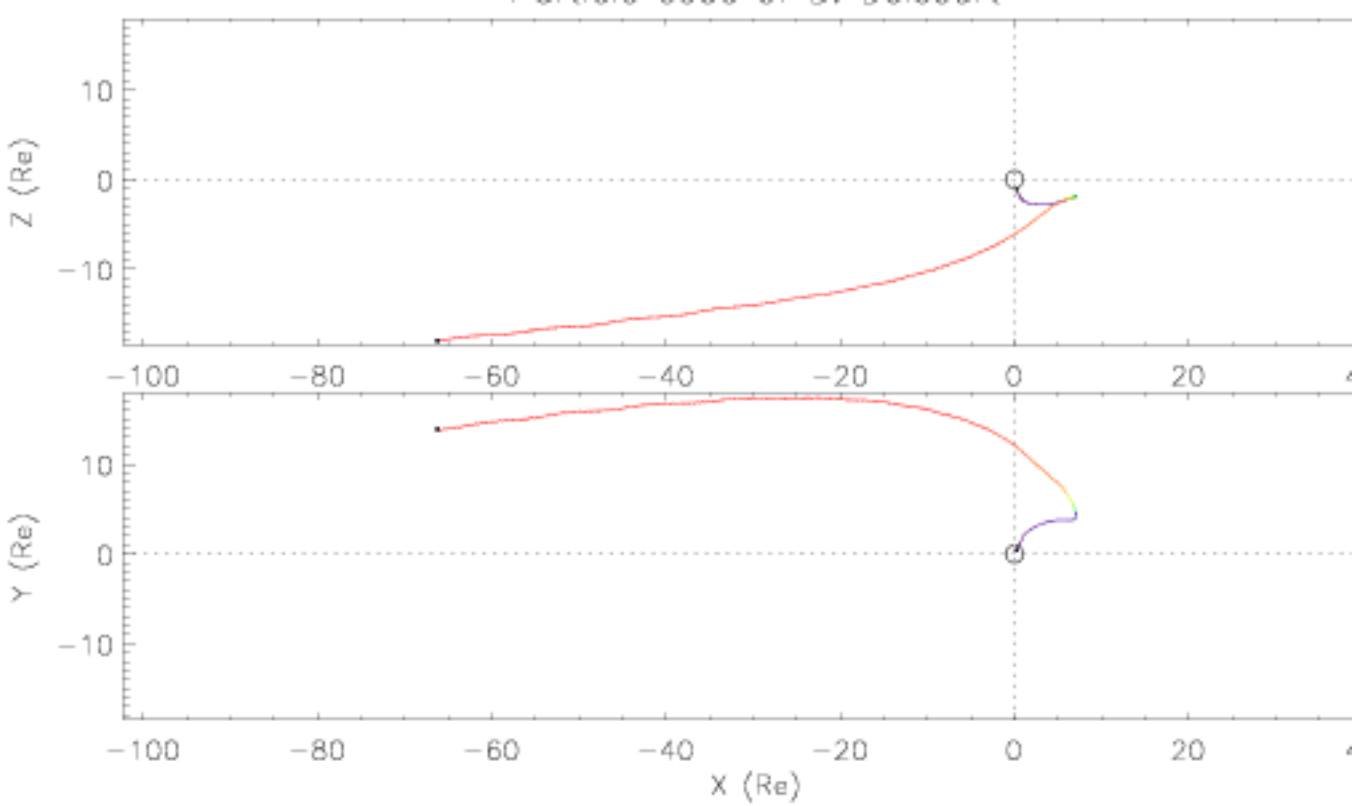

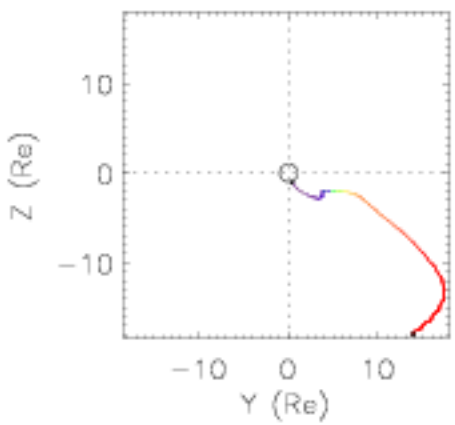

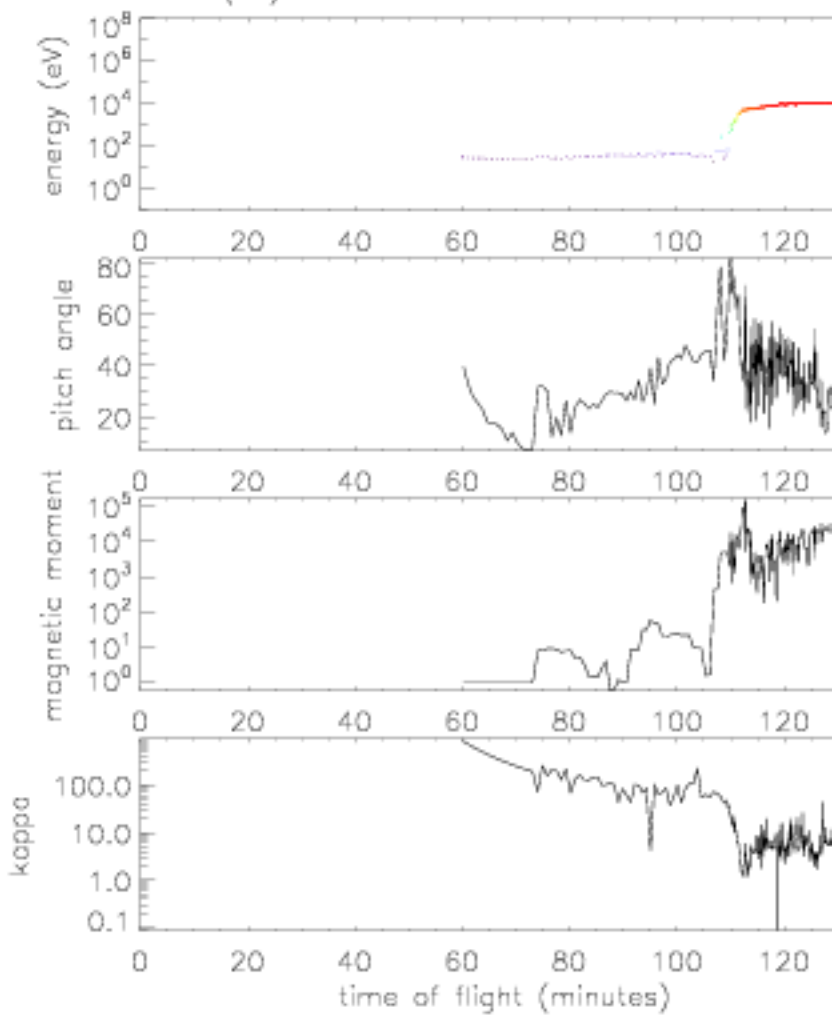

Start, Stop Parameters:

Time (minute): 60.2, 136.0
Magnetic local time: 15.980, 23.210
Magnetic latitude: −66.000, −14.860
Distance (Re): 1.16, 70.01
Energy (eV): 31.09, 11350.00
Pitch angle: 39.100, 11.000
Tilt angle (deg): 0.000

file: particle1000490.full

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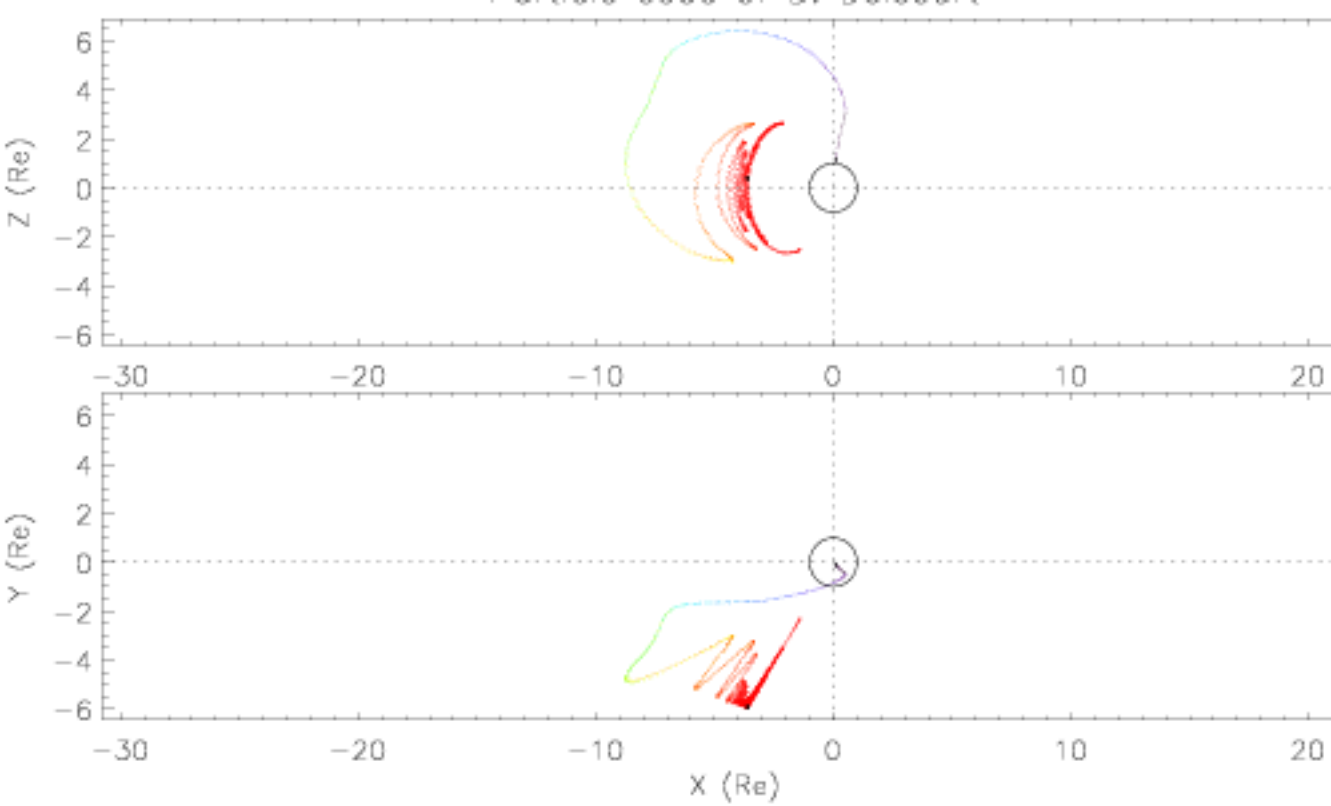

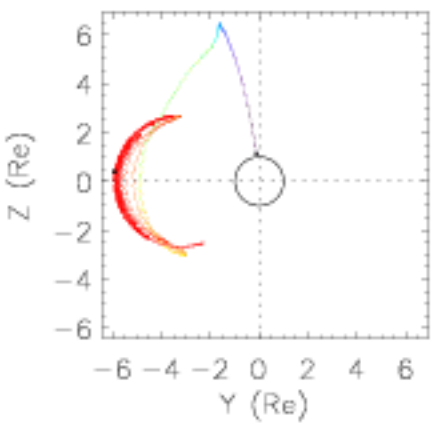

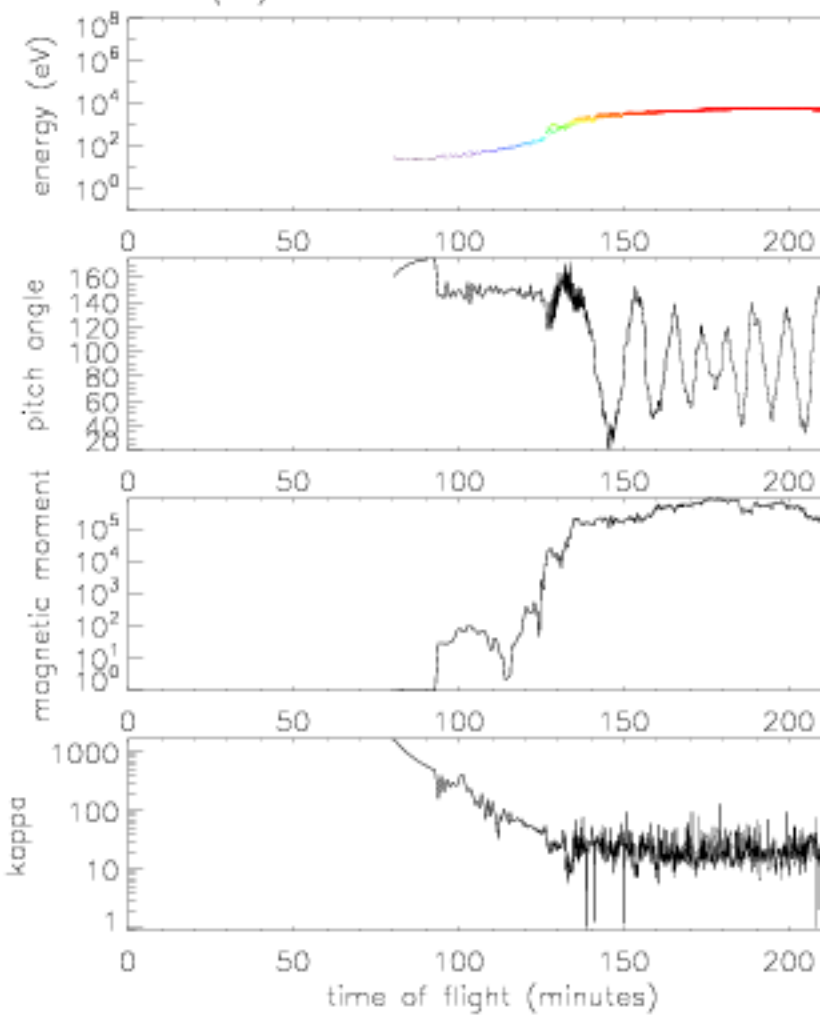

Start, Stop Parameters:

Time (minute): 80.4, 220.8
Magnetic local time: 8.987, 3.908
Magnetic latitude: 82.350, 3.234
Distance (Re): 1.16, 6.95
Energy (eV): 29.45, 5076.00
Pitch angle: 160.800, 127.800
Tilt angle (deg): 0.000

file: particle1000575.full

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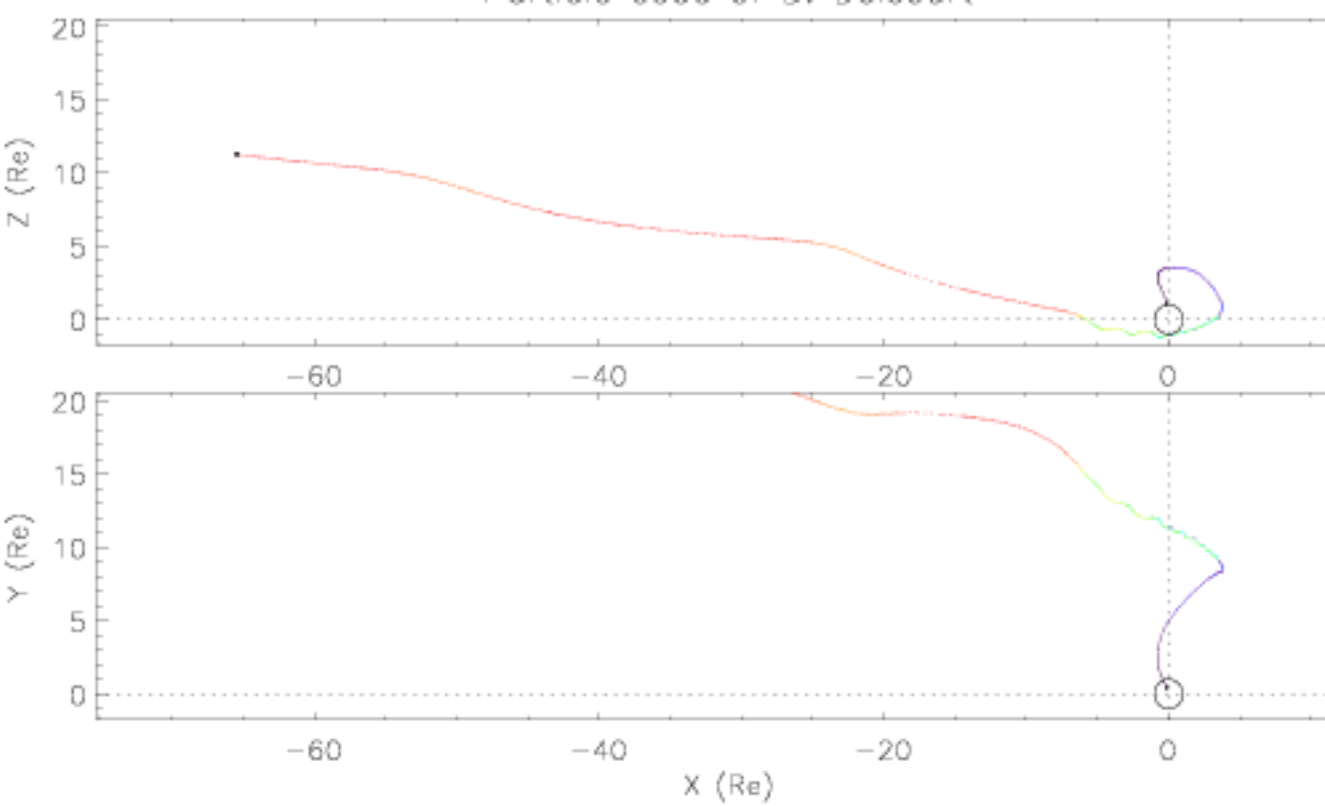

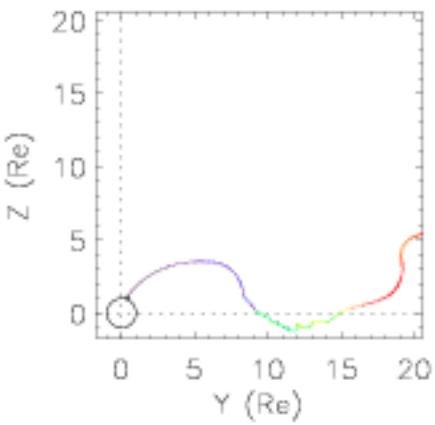

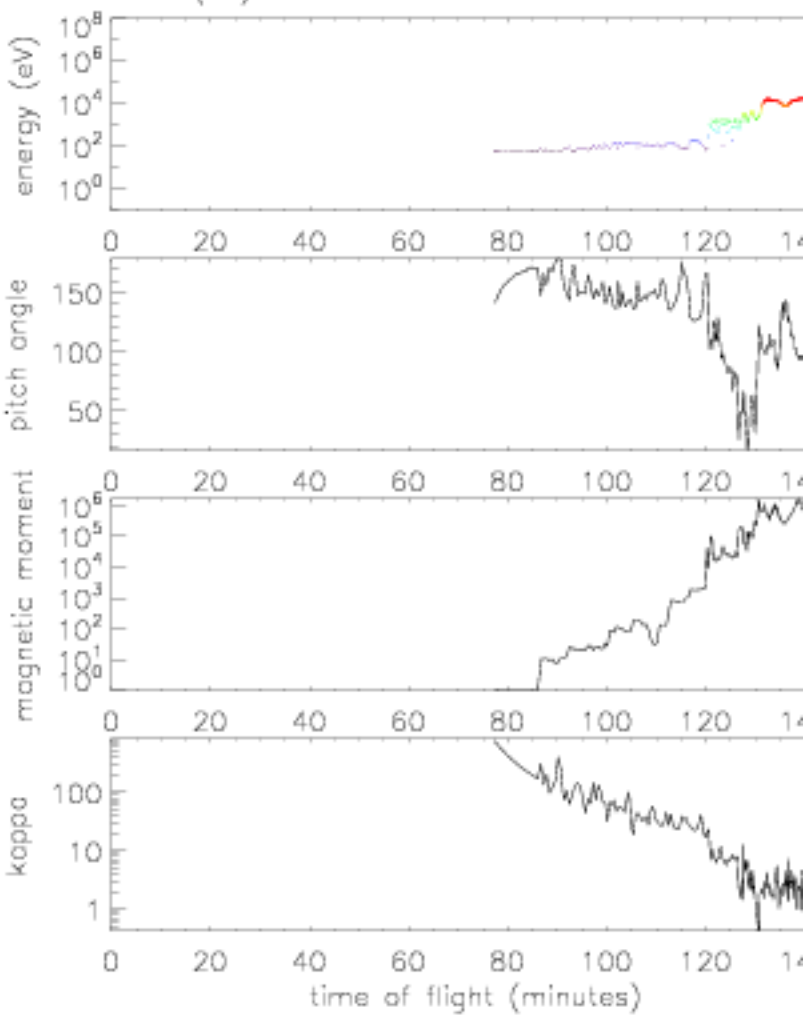

Start, Stop Parameters:

Time (minute): 77.4, 147.3
Magnetic local time: 19.340, 22.740
Magnetic latitude: 68.100, 9.244
Distance (Re): 1.16, 70.06
Energy (eV): 64.93, 19050.00
Pitch angle: 141.300, 101.700
Tilt angle (deg): 0.000

file: particle1000737.full

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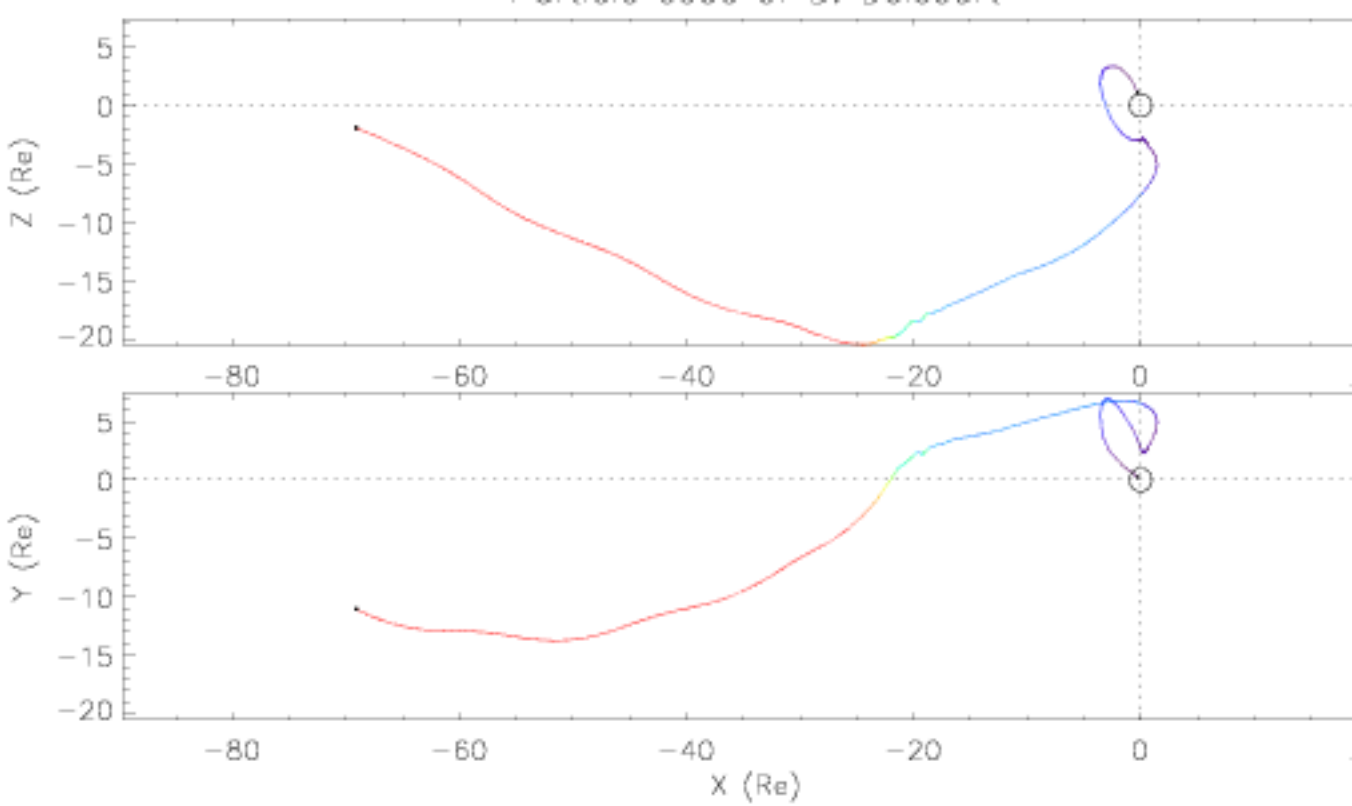

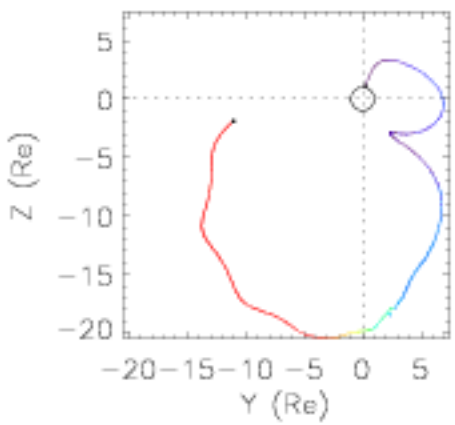

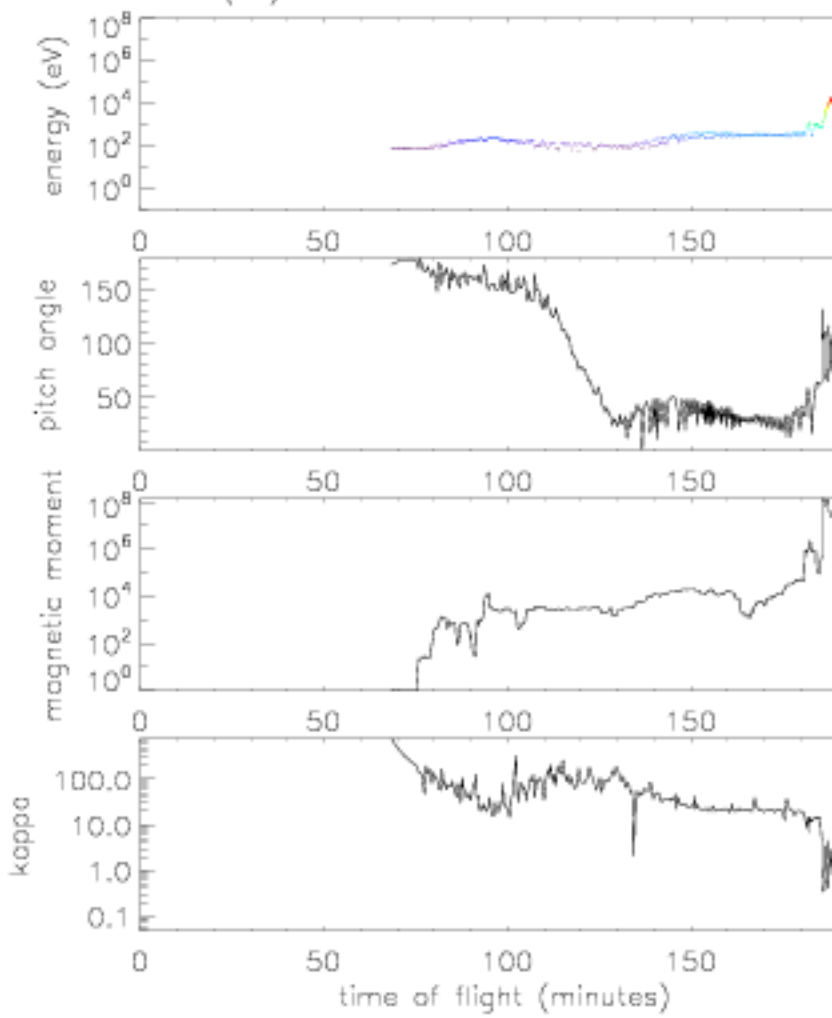

Start, Stop Parameters:

Time (minute): 68.4, 198.8
Magnetic local time: 21.380, 0.606
Magnetic latitude: 71.930, −1.574
Distance (Re): 1.16, 70.01
Energy (eV): 88.52, 18530.00
Pitch angle: 173.200, 74.000
Tilt angle (deg): 0.000

file: particle1001029.full

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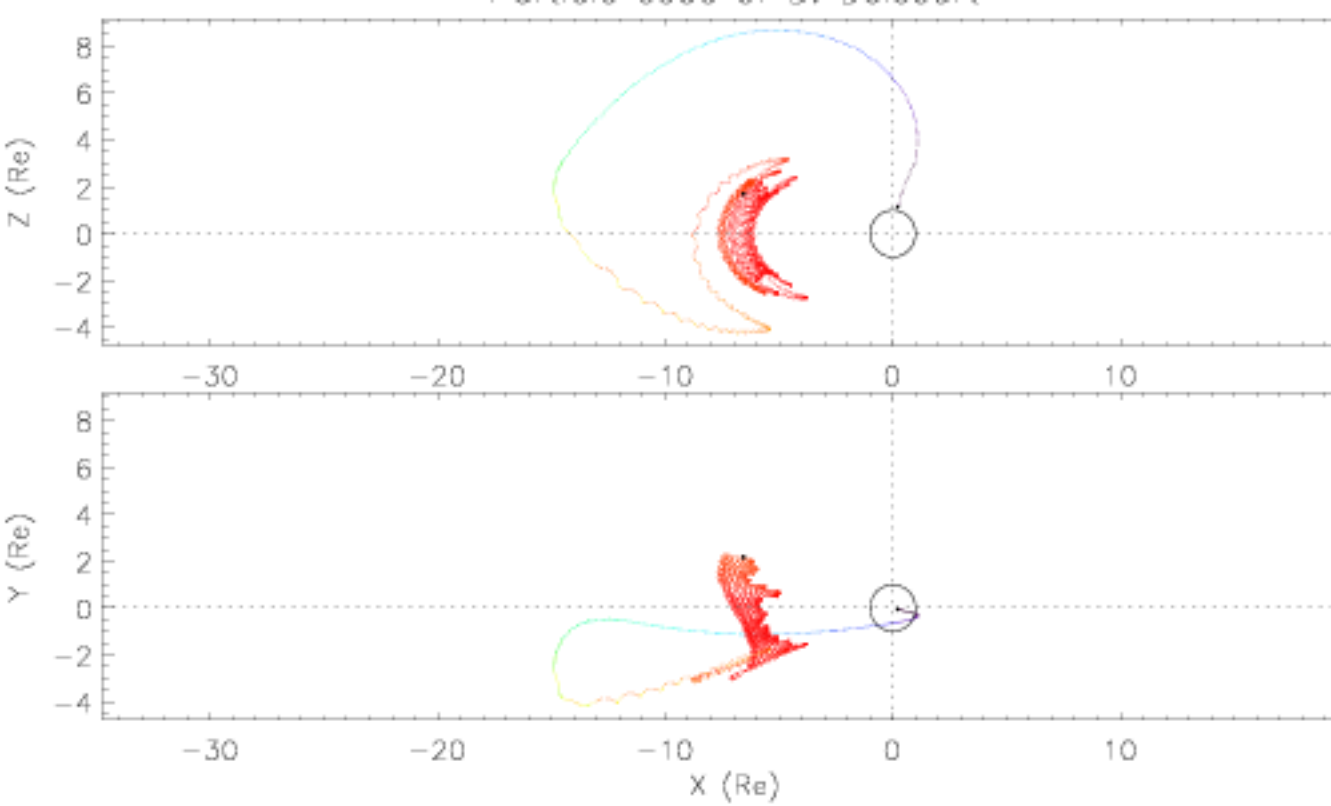

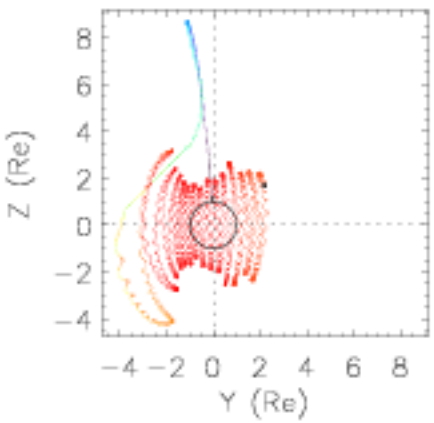

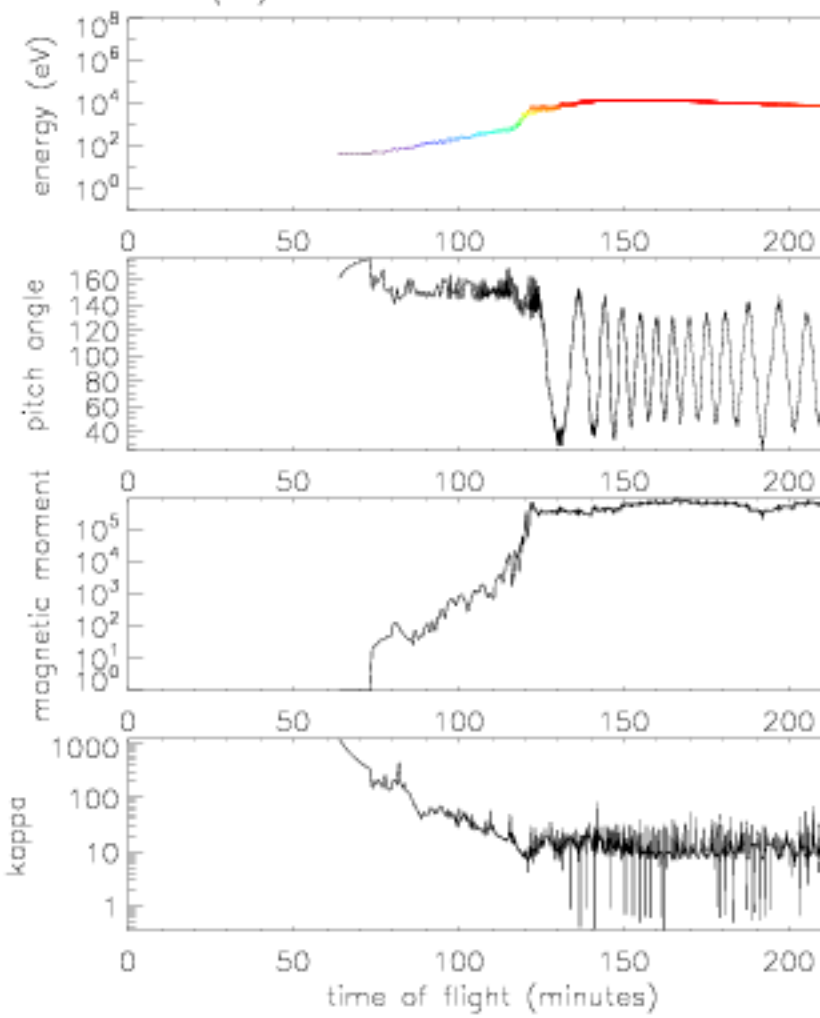

Start, Stop Parameters:

Time (minute): 63.8, 220.8
Magnetic local time: 11.010, 22.780
Magnetic latitude: 79.130, 13.800
Distance (Re): 1.16, 7.13
Energy (eV): 50.22, 8213.00
Pitch angle: 160.900, 118.100
Tilt angle (deg): 0.000

file: particle1001081.full

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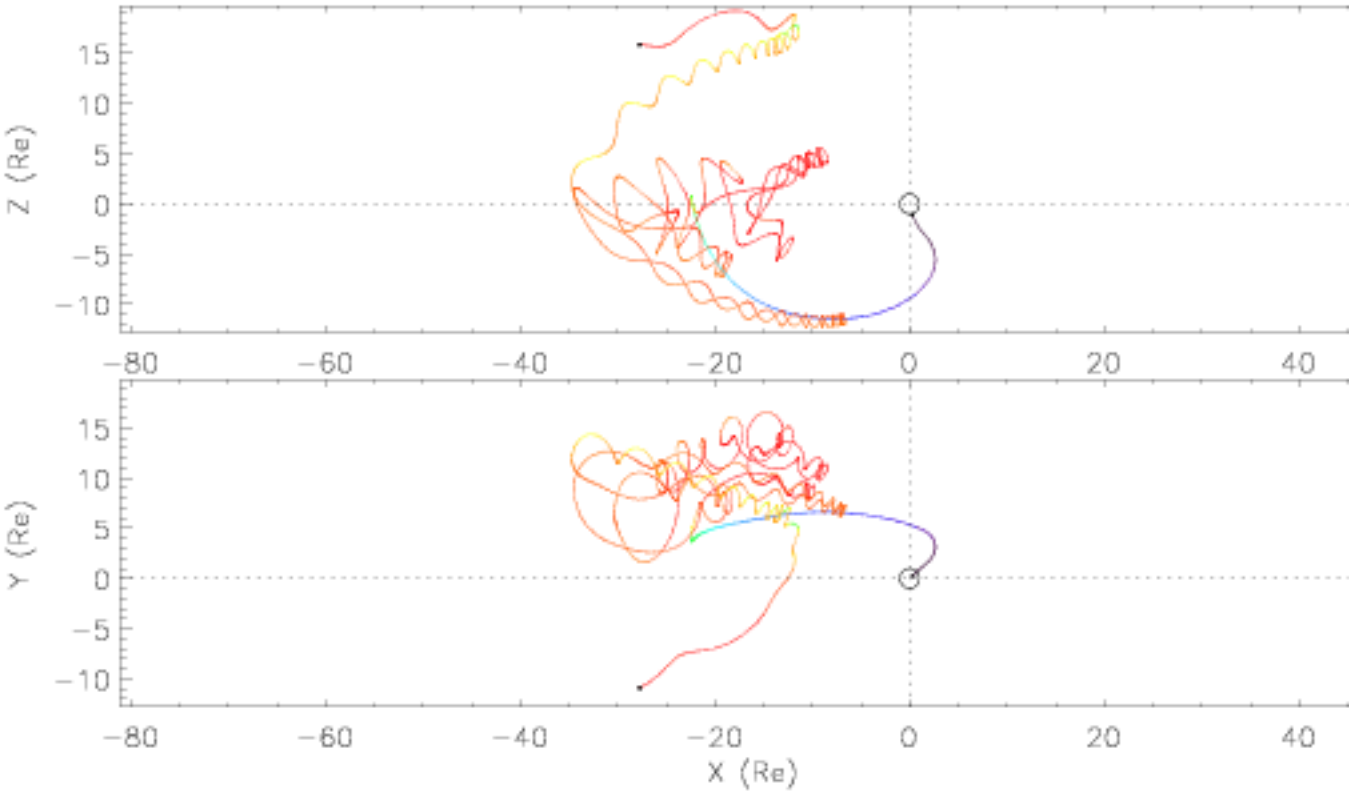

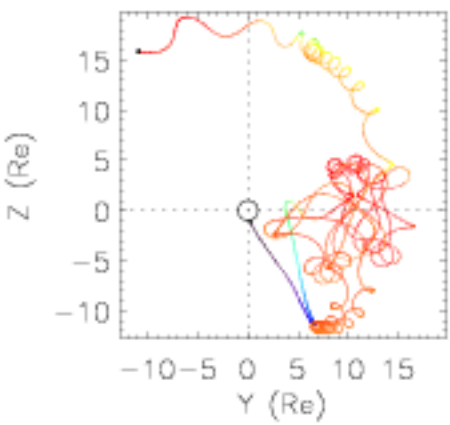

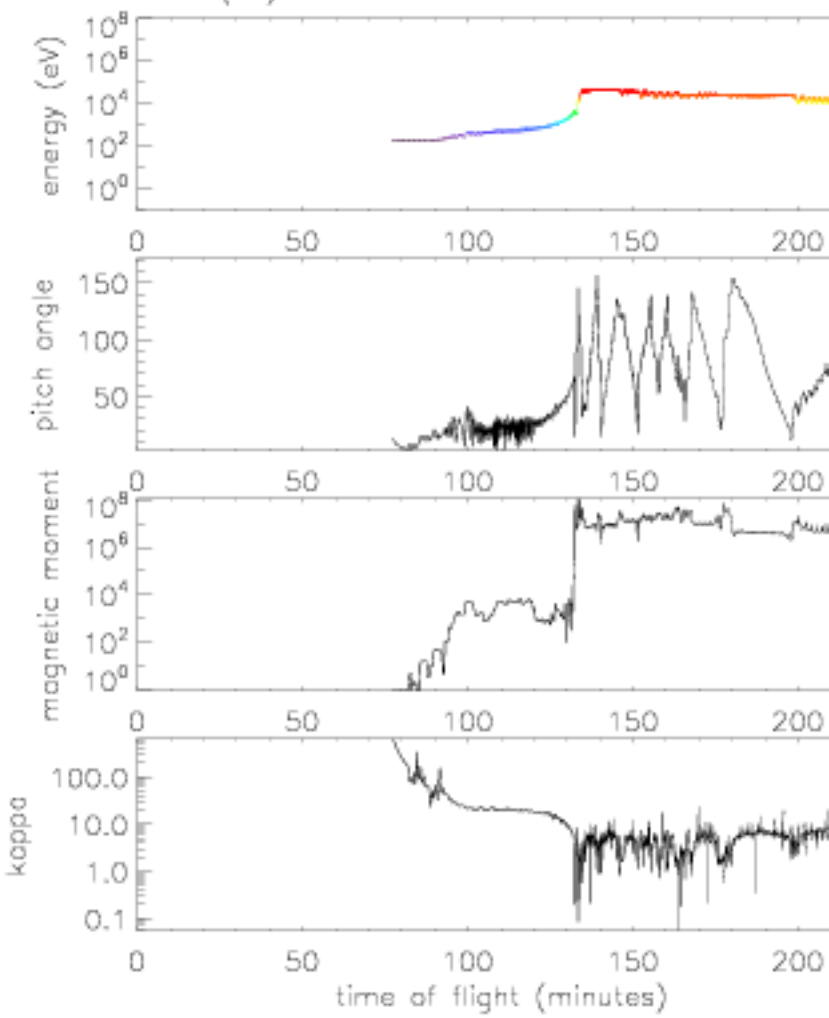

Start, Stop Parameters:

Time (minute): 77.3, 220.8
Magnetic local time: 14.700, 1.432
Magnetic latitude: −71.460, 28.050
Distance (Re): 1.16, 33.76
Energy (eV): 183.80, 43520.00
Pitch angle: 12.410, 110.400
Tilt angle (deg): 0.000

file: particle1001094.full

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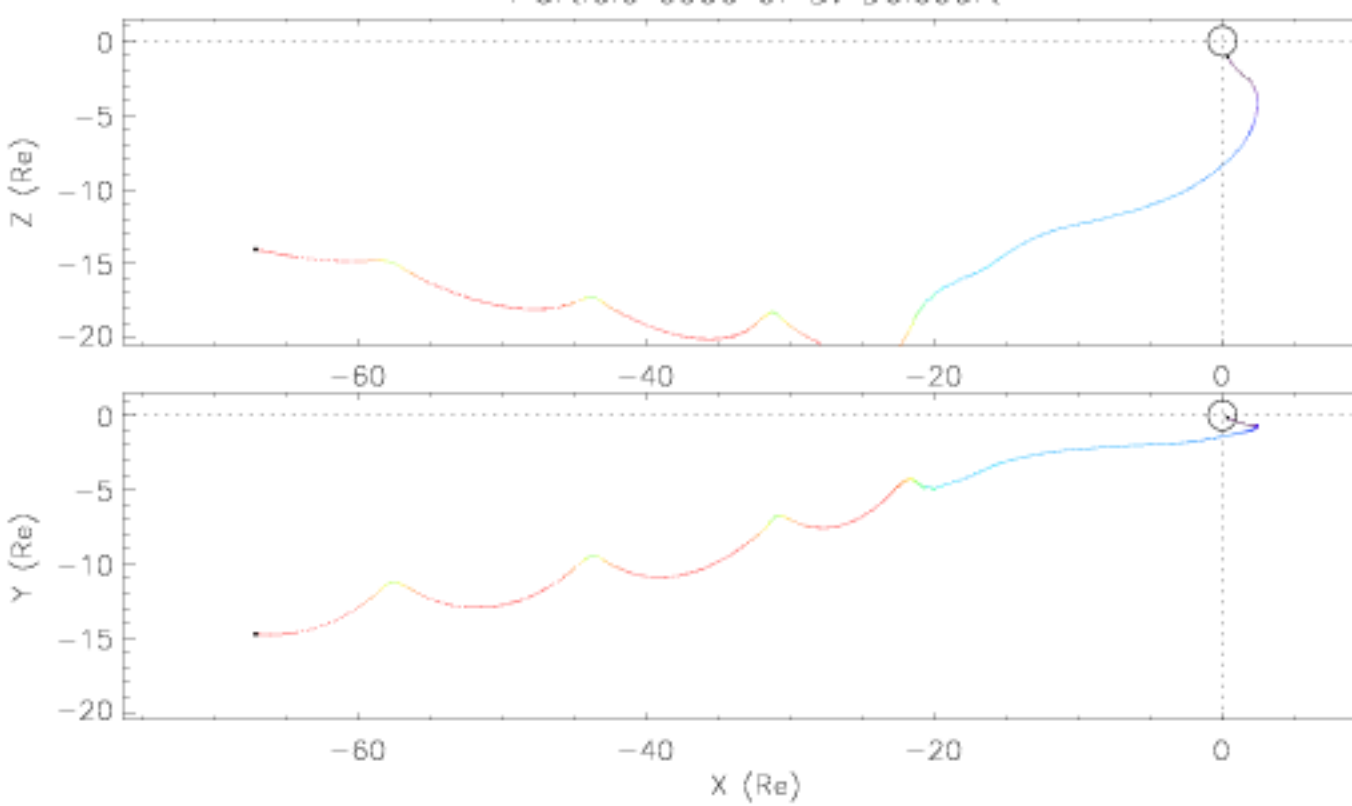

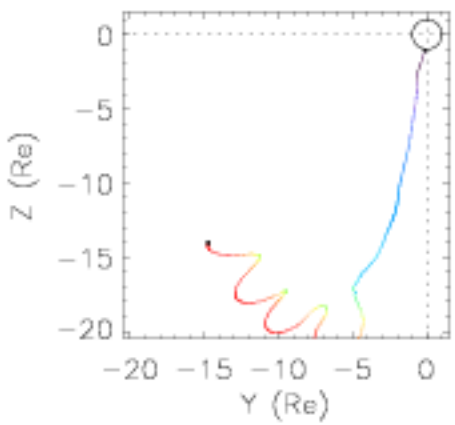

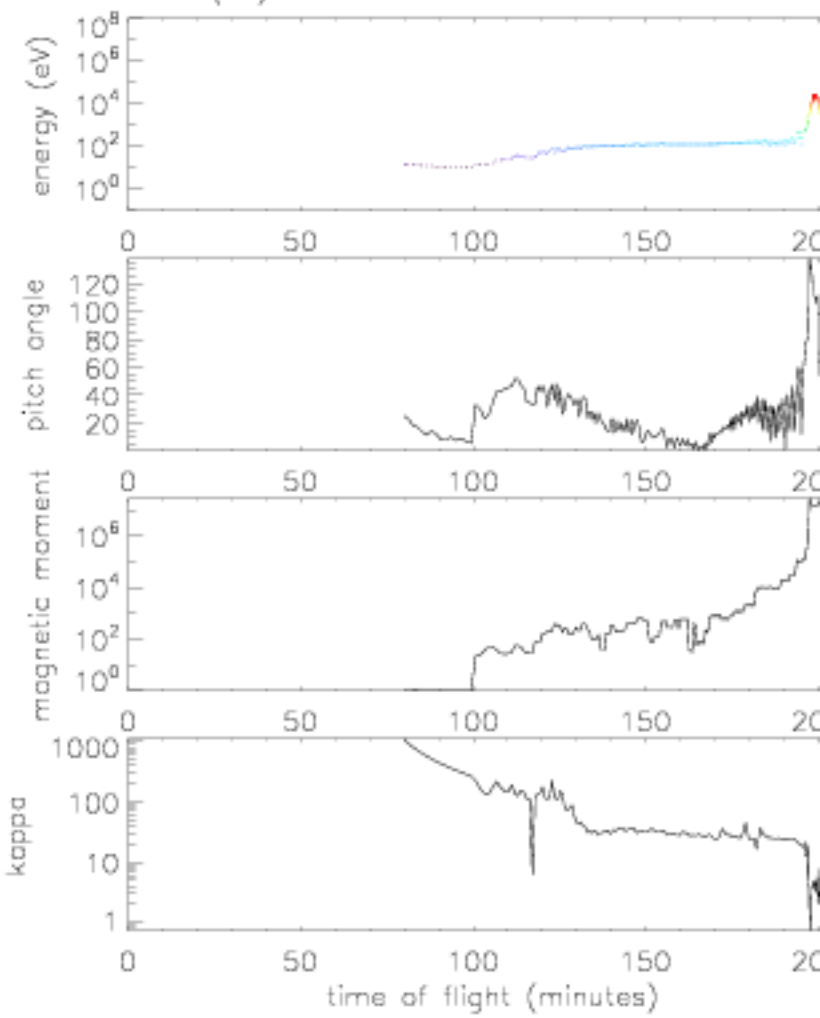

Start, Stop Parameters:

Time (minute): 80.0, 211.7
Magnetic local time: 10.380, 0.826
Magnetic latitude: −68.910, −11.550
Distance (Re): 1.16, 70.13
Energy (eV): 16.11, 29960.00
Pitch angle: 25.530, 83.410
Tilt angle (deg): 0.000

file: particle1001184.full

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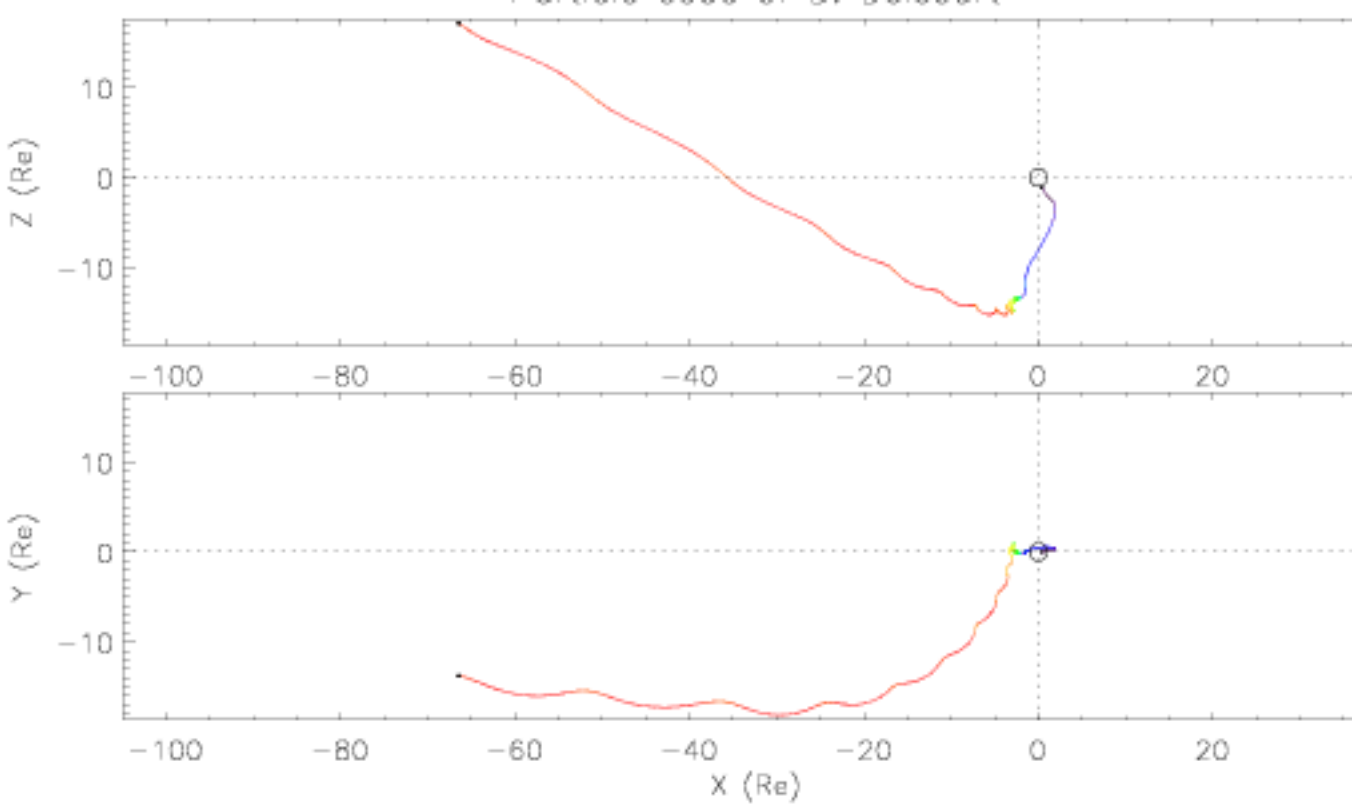

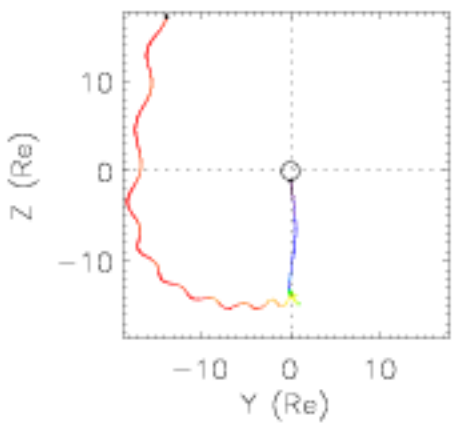

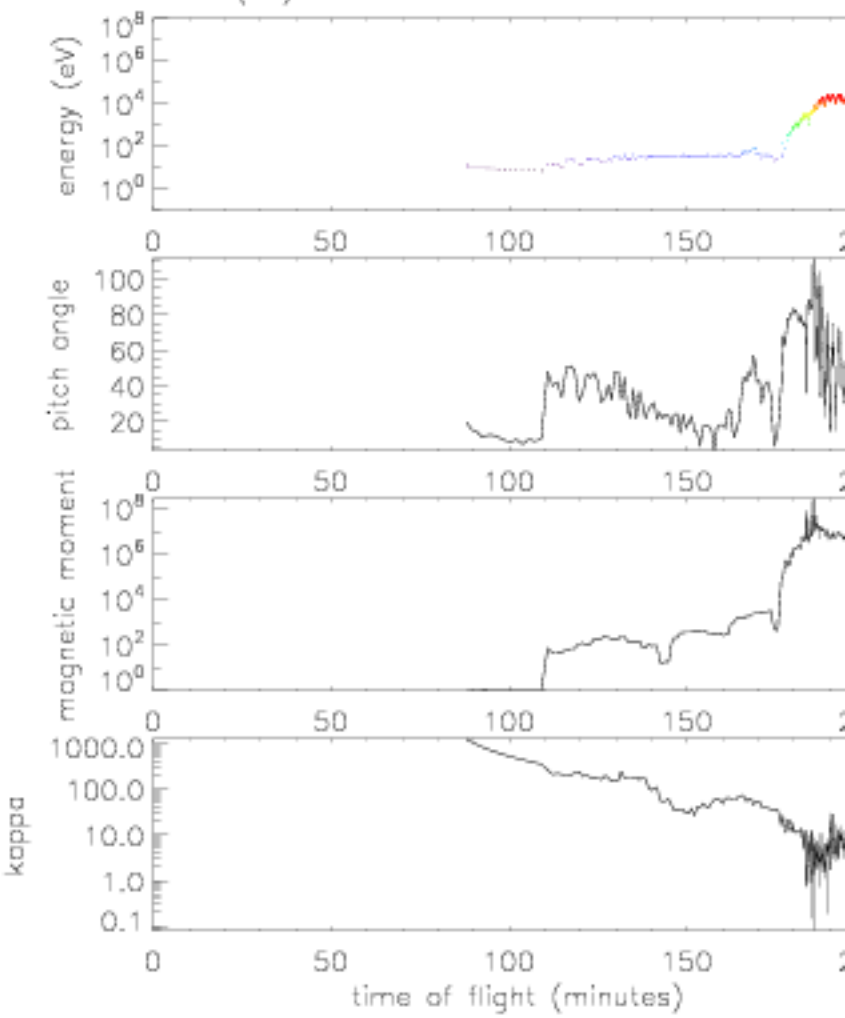

Start, Stop Parameters:

Time (minute): 88.1, 205.2
Magnetic local time: 12.220, 0.781
Magnetic latitude: −71.090, 14.200
Distance (Re): 1.16, 70.01
Energy (eV): 12.83, 13620.00
Pitch angle: 18.800, 41.360
Tilt angle (deg): 0.000

file: particle1001238.full

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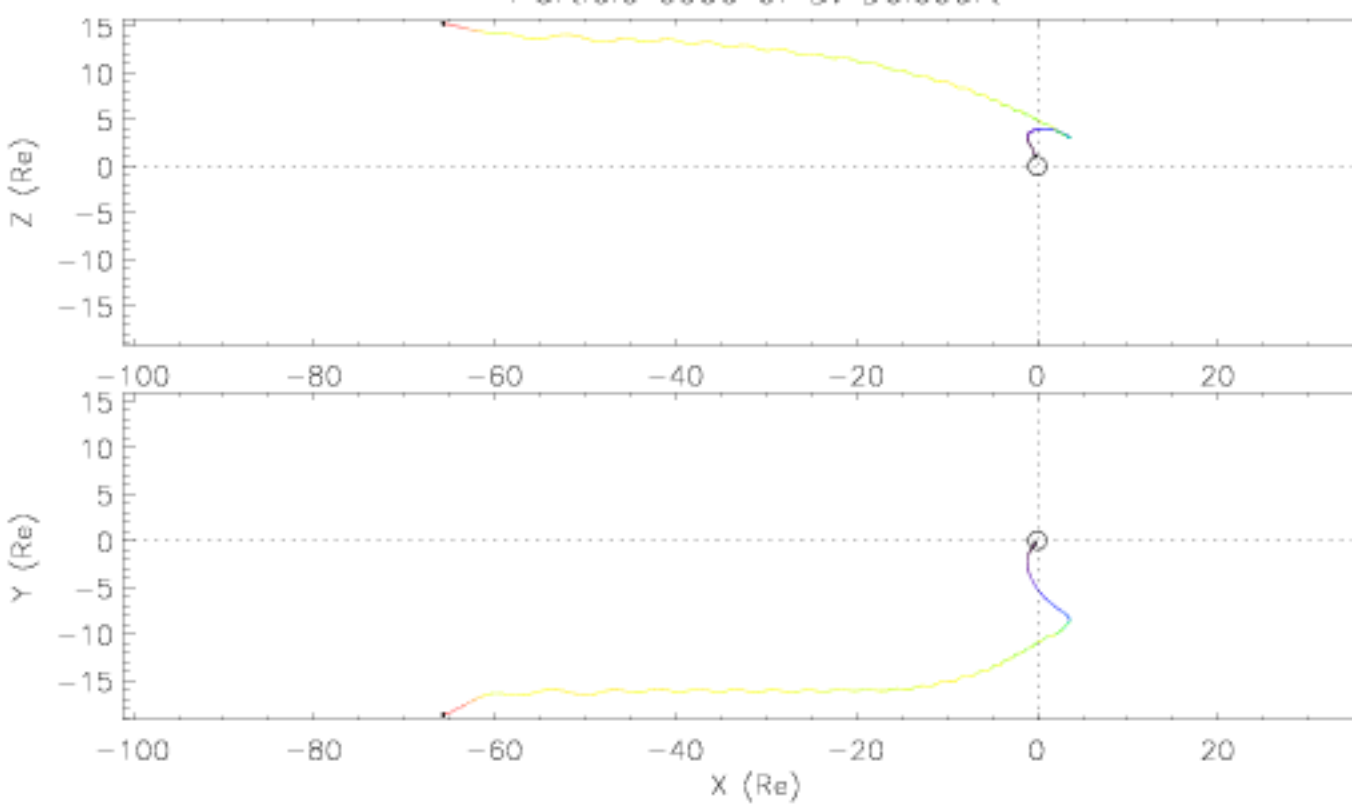

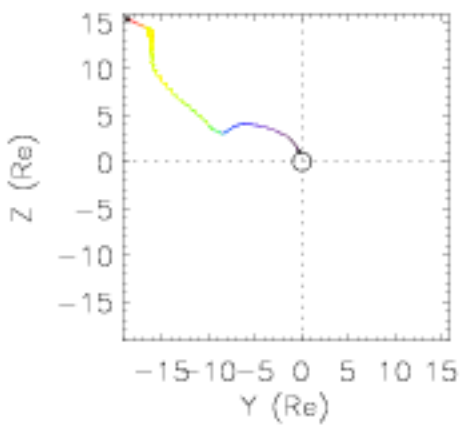

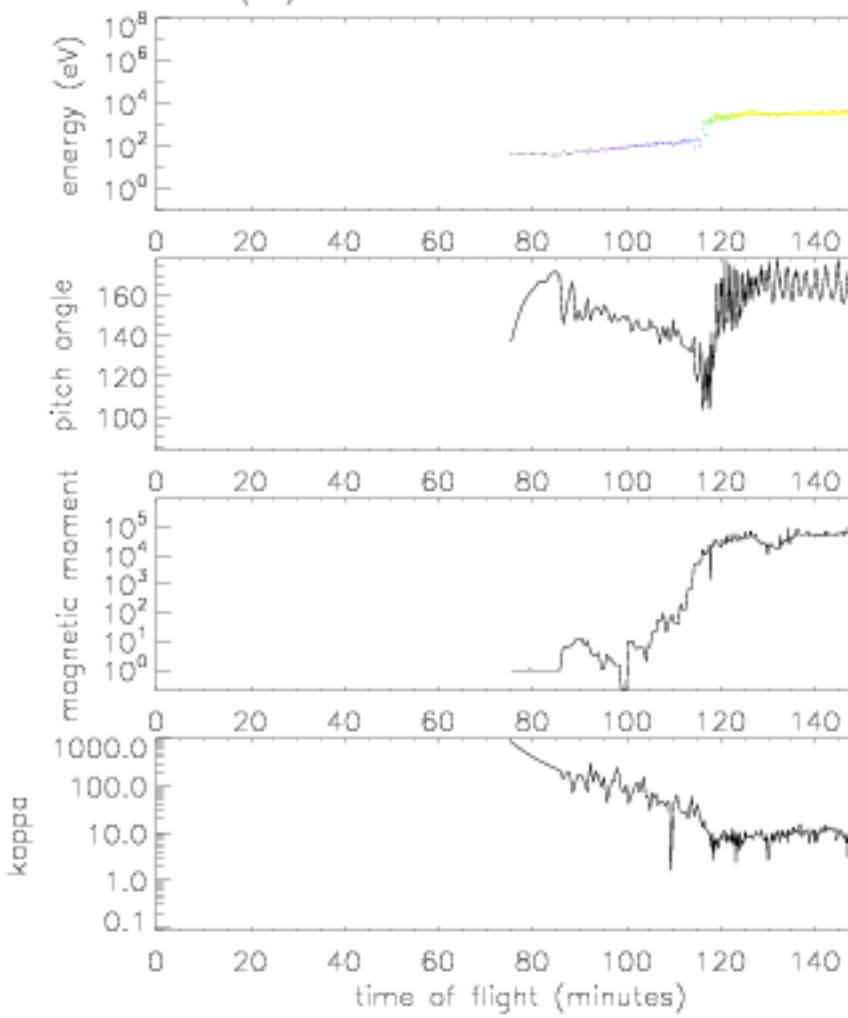

Start, Stop Parameters:

Time (minute): 75.4, 155.1
Magnetic local time: 3.504, 1.060
Magnetic latitude: 70.360, 12.650
Distance (Re): 1.16, 70.00
Energy (eV): 46.54, 16830.00
Pitch angle: 137.300, 83.260
Tilt angle (deg): 0.000

file: particle1001275.full

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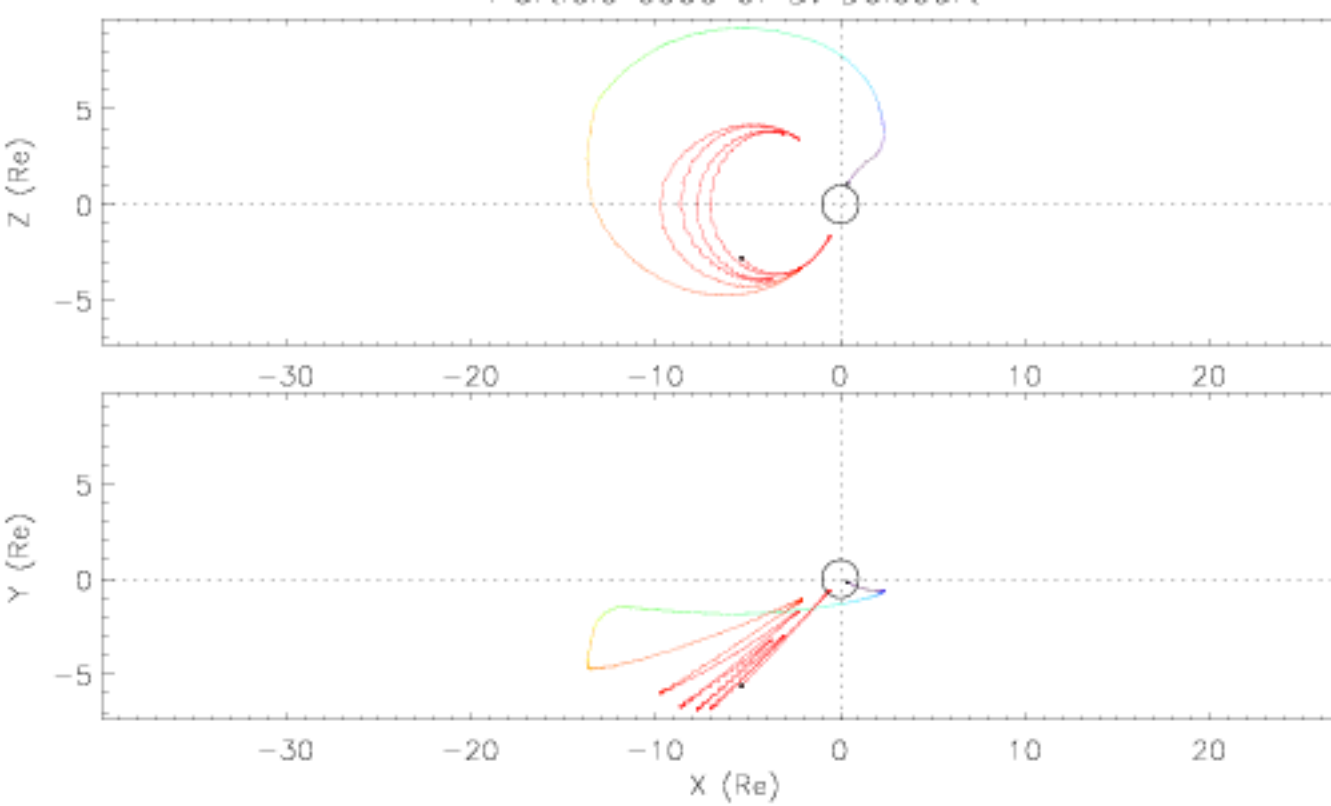

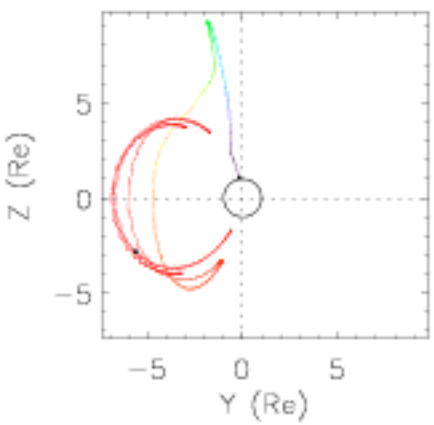

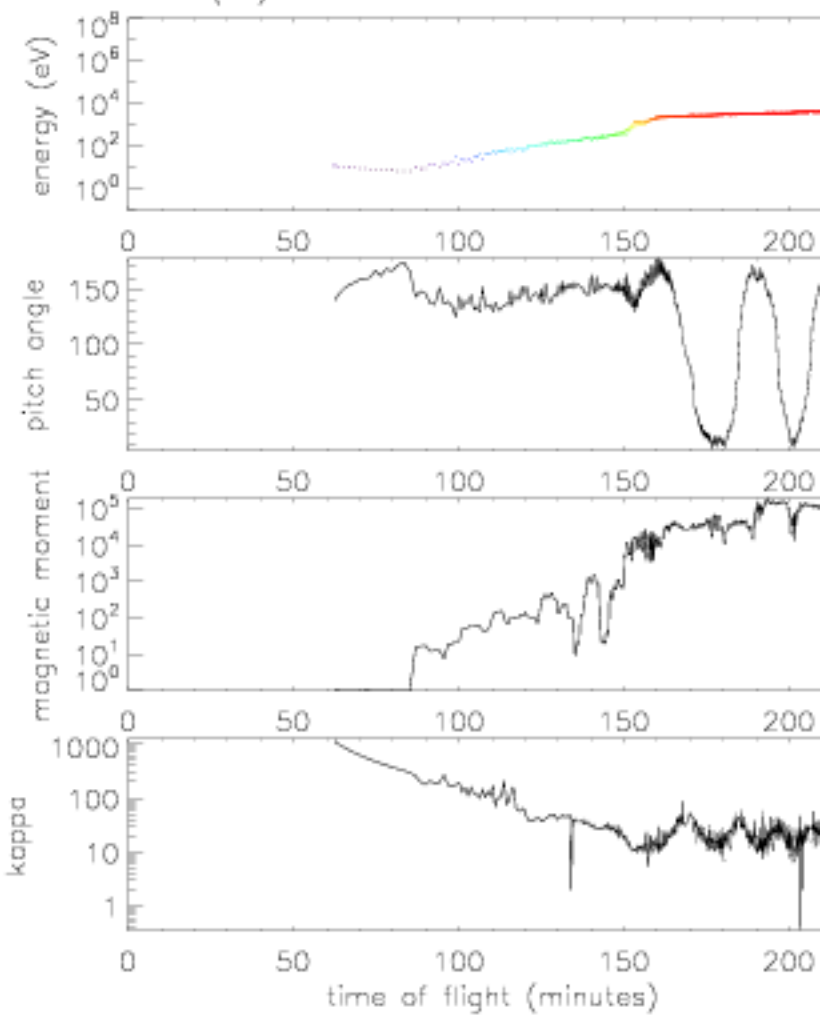

Start, Stop Parameters:

Time (minute): 62.4, 220.8
Magnetic local time: 10.320, 3.095
Magnetic latitude: 68.250,−20.020
Distance (Re): 1.16, 8.25
Energy (eV): 12.69, 4707.00
Pitch angle: 140.600, 9.124
Tilt angle (deg): 0.000

file: particle1001589.full

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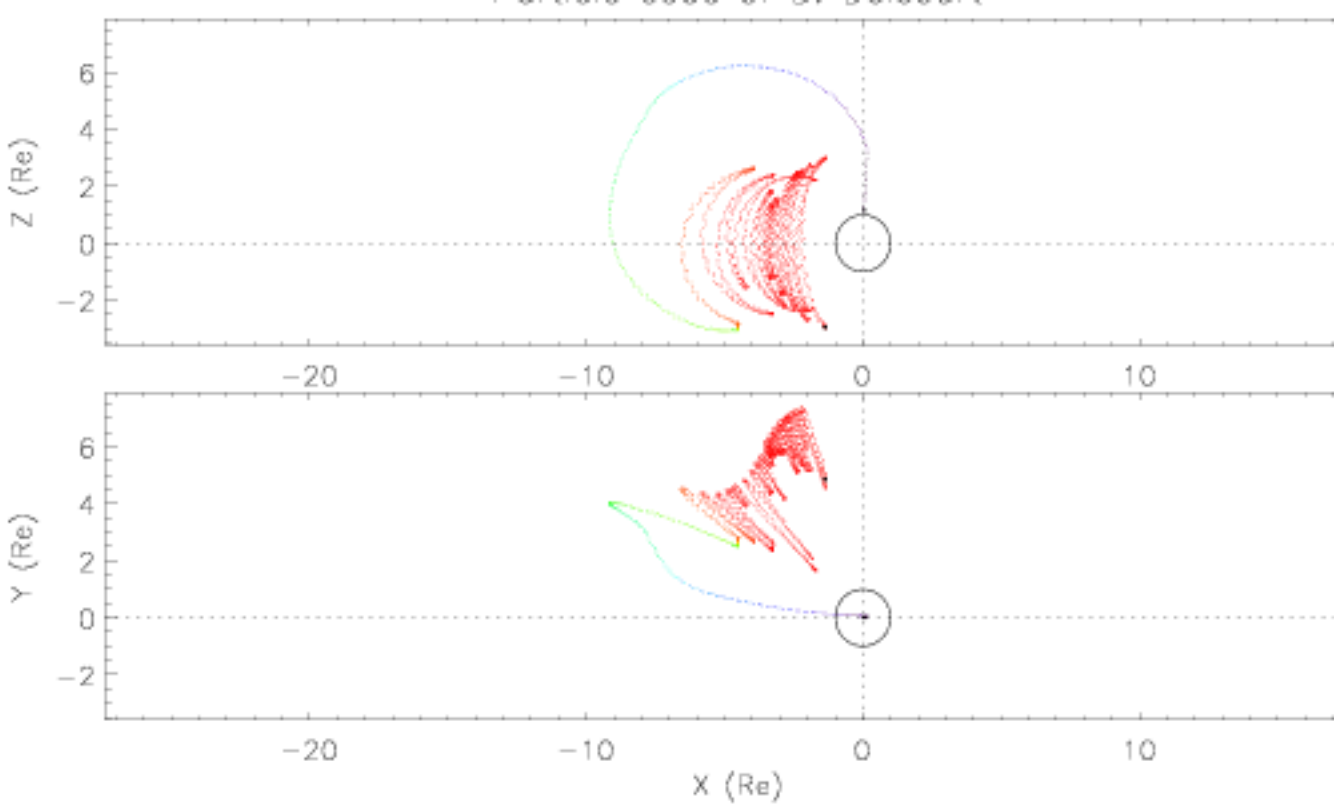

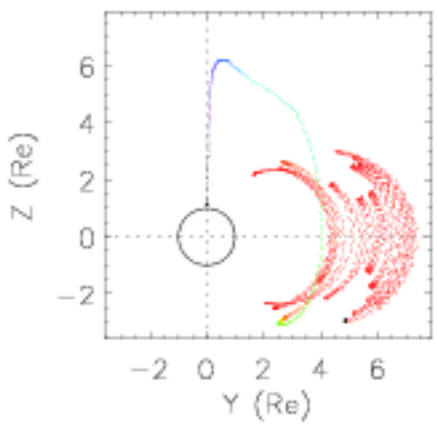

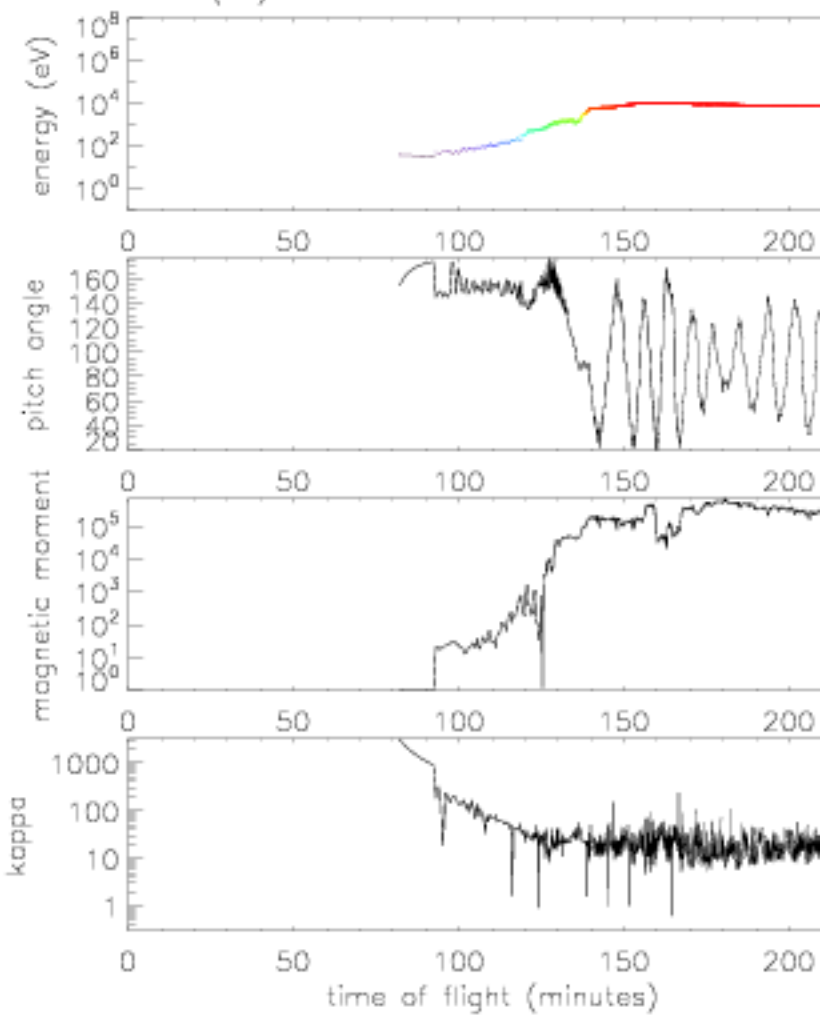

Start, Stop Parameters:

Time (minute): 82.1, 220.8
Magnetic local time: 13.070, 19.040
Magnetic latitude: 88.090, −30.230
Distance (Re): 1.16, 5.85
Energy (eV): 41.69, 8193.00
Pitch angle: 154.800, 105.900
Tilt angle (deg): 0.000

file: particle1001625.full

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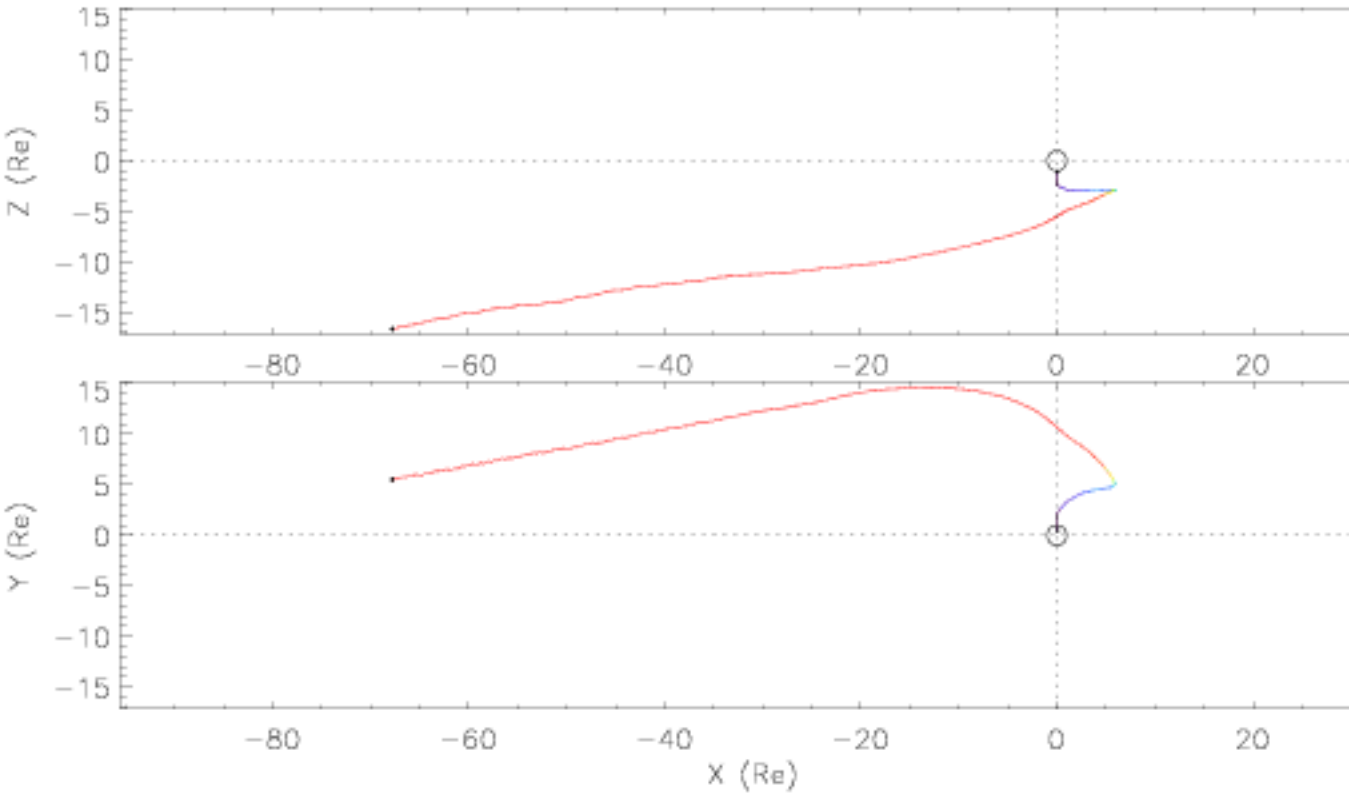

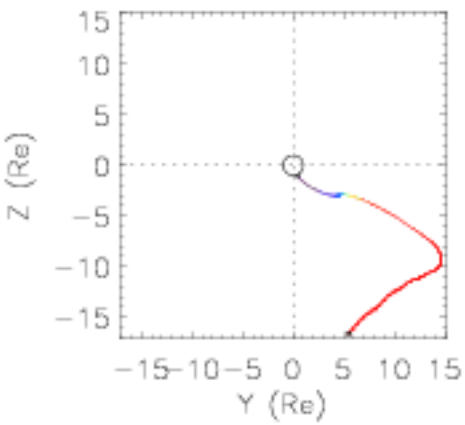

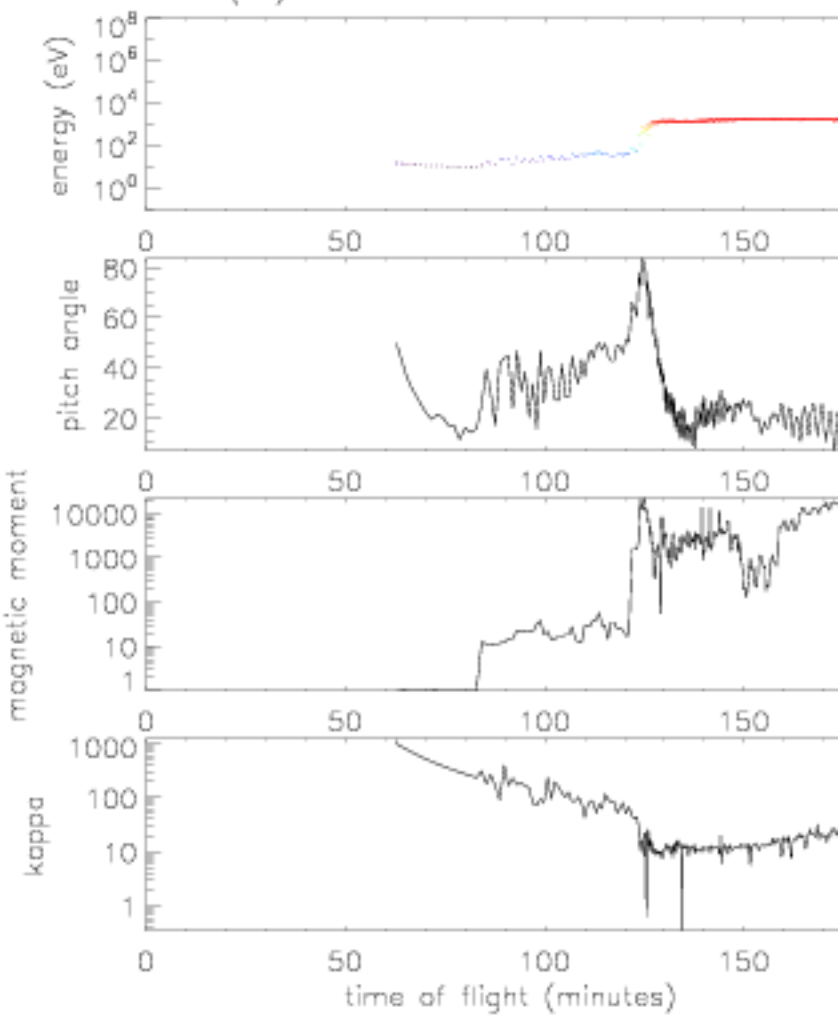

Start, Stop Parameters:

Time (minute): 62.7, 183.2
Magnetic local time: 17.550, 23.690
Magnetic latitude: −66.240, −13.770
Distance (Re): 1.16, 70.00
Energy (eV): 16.73, 1975.00
Pitch angle: 49.780, 22.840
Tilt angle (deg): 0.000

file: particle1001746.full

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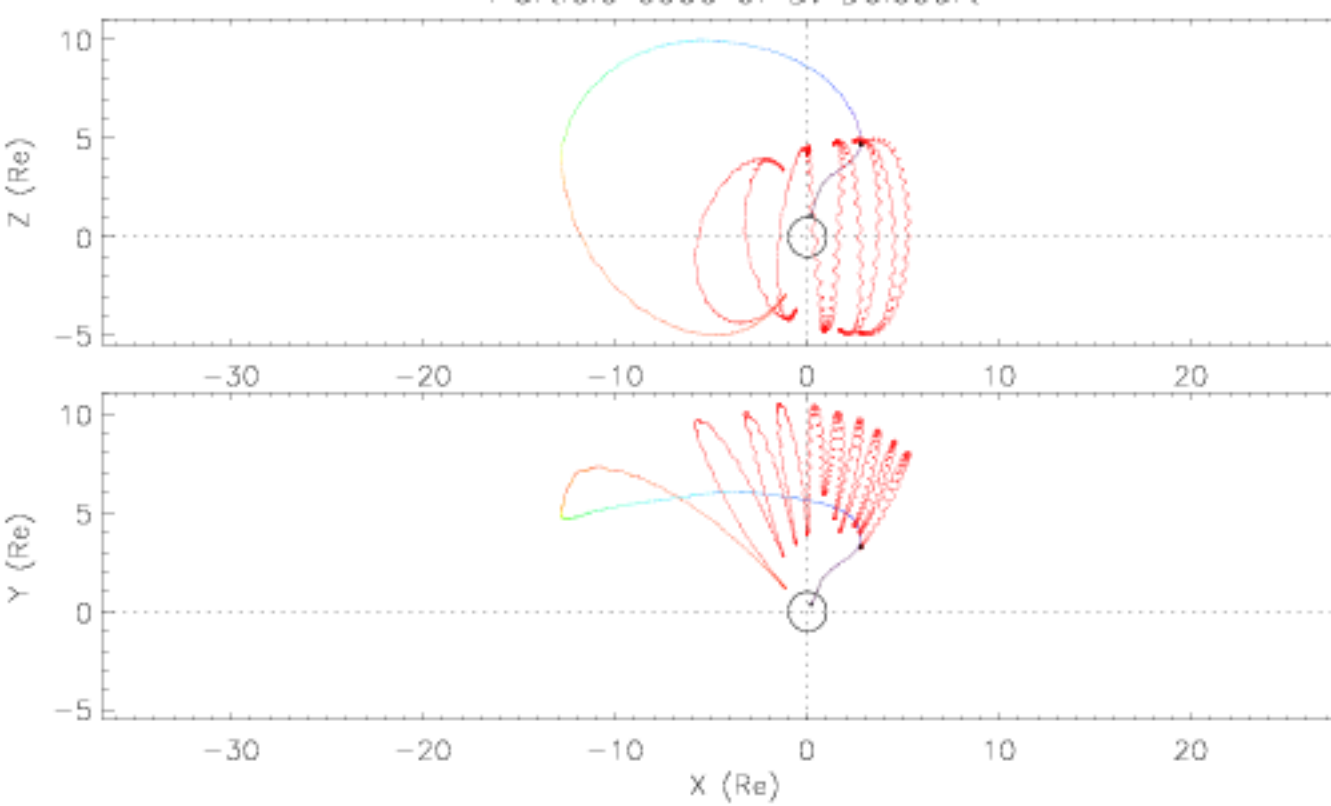

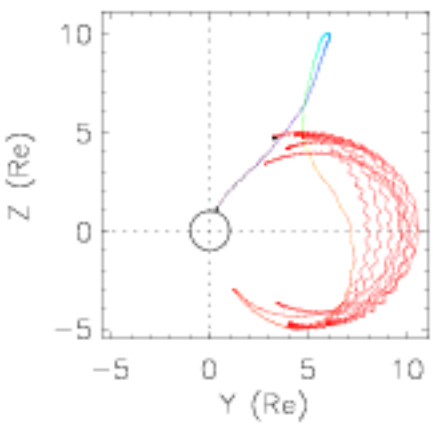

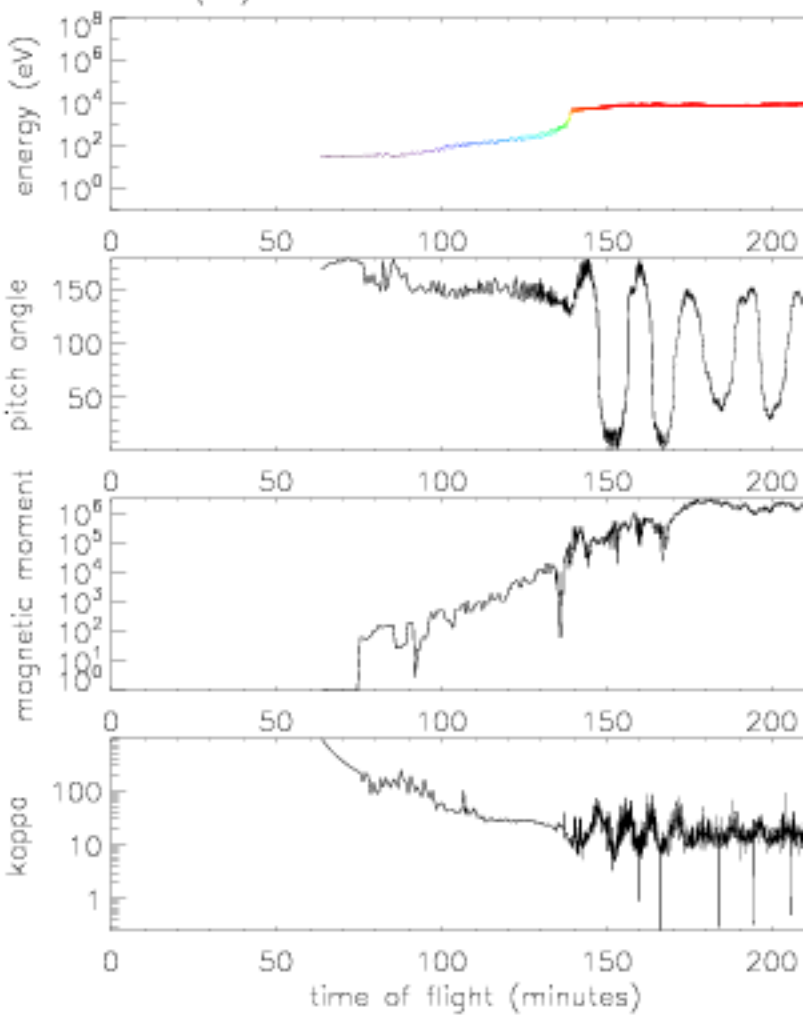

Start, Stop Parameters:

Time (minute): 63.7, 220.8
Magnetic local time: 16.140, 15.310
Magnetic latitude: 70.120, 47.520
Distance (Re): 1.16, 6.35
Energy (eV): 37.83, 10190.00
Pitch angle: 168.500, 101.300
Tilt angle (deg): 0.000

file: particle1001933.full

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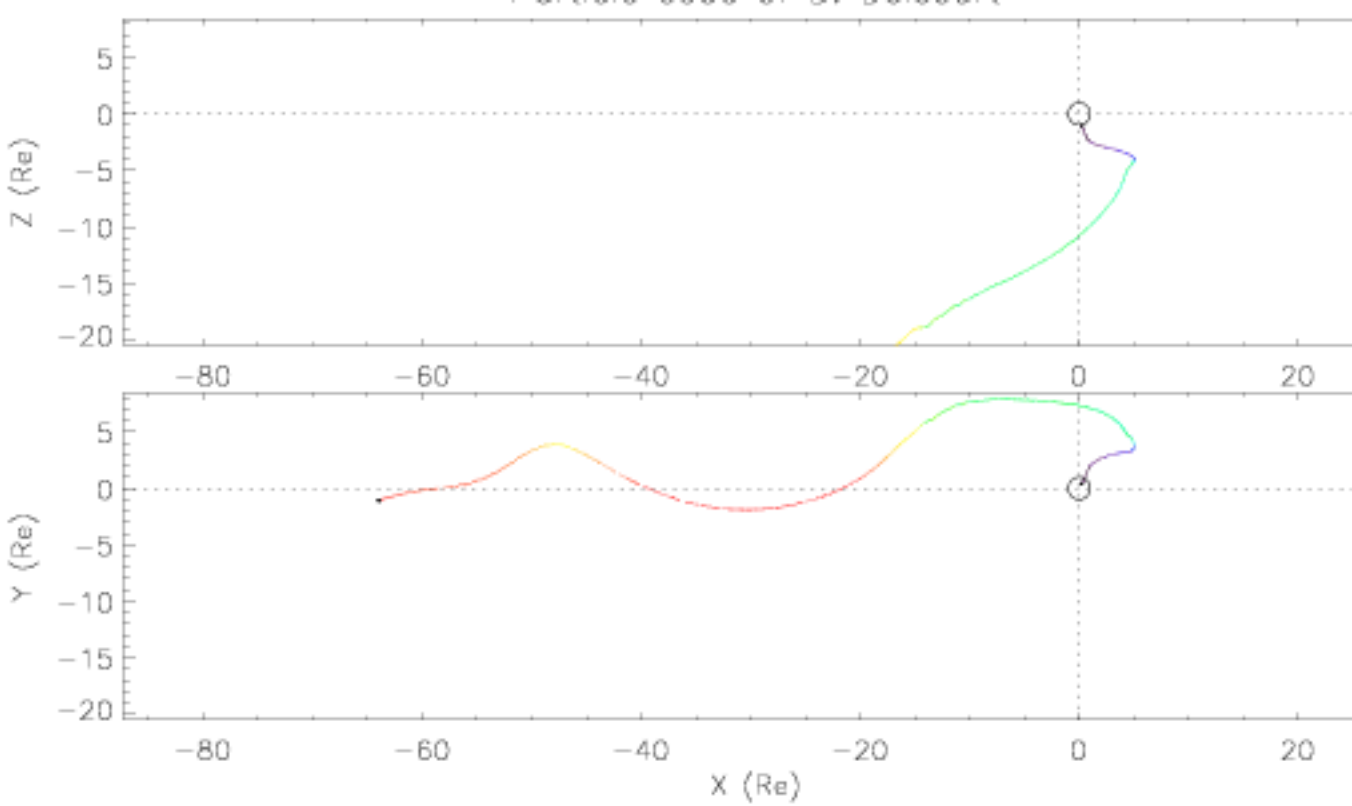

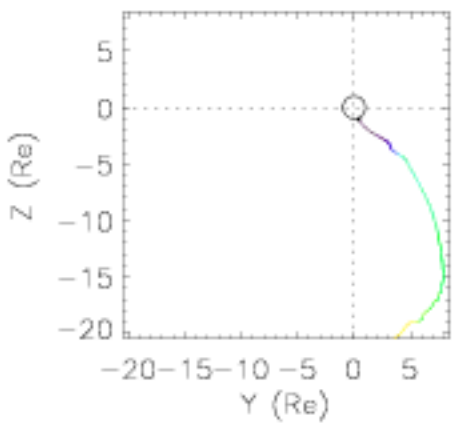

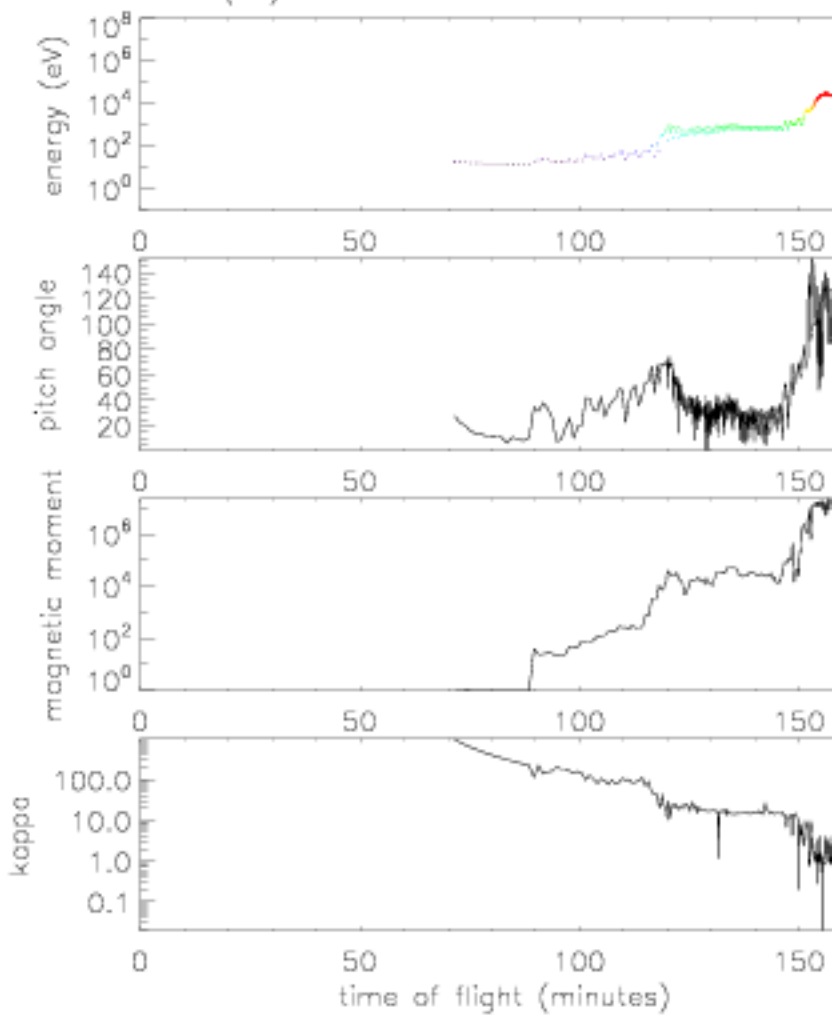

Start, Stop Parameters:

Time (minute): 71.6, 166.1
Magnetic local time: 16.060, 0.063
Magnetic latitude: −66.620, −23.980
Distance (Re): 1.16, 70.01
Energy (eV): 19.96, 18690.00
Pitch angle: 26.930, 142.100
Tilt angle (deg): 0.000

file: particle1001954.full

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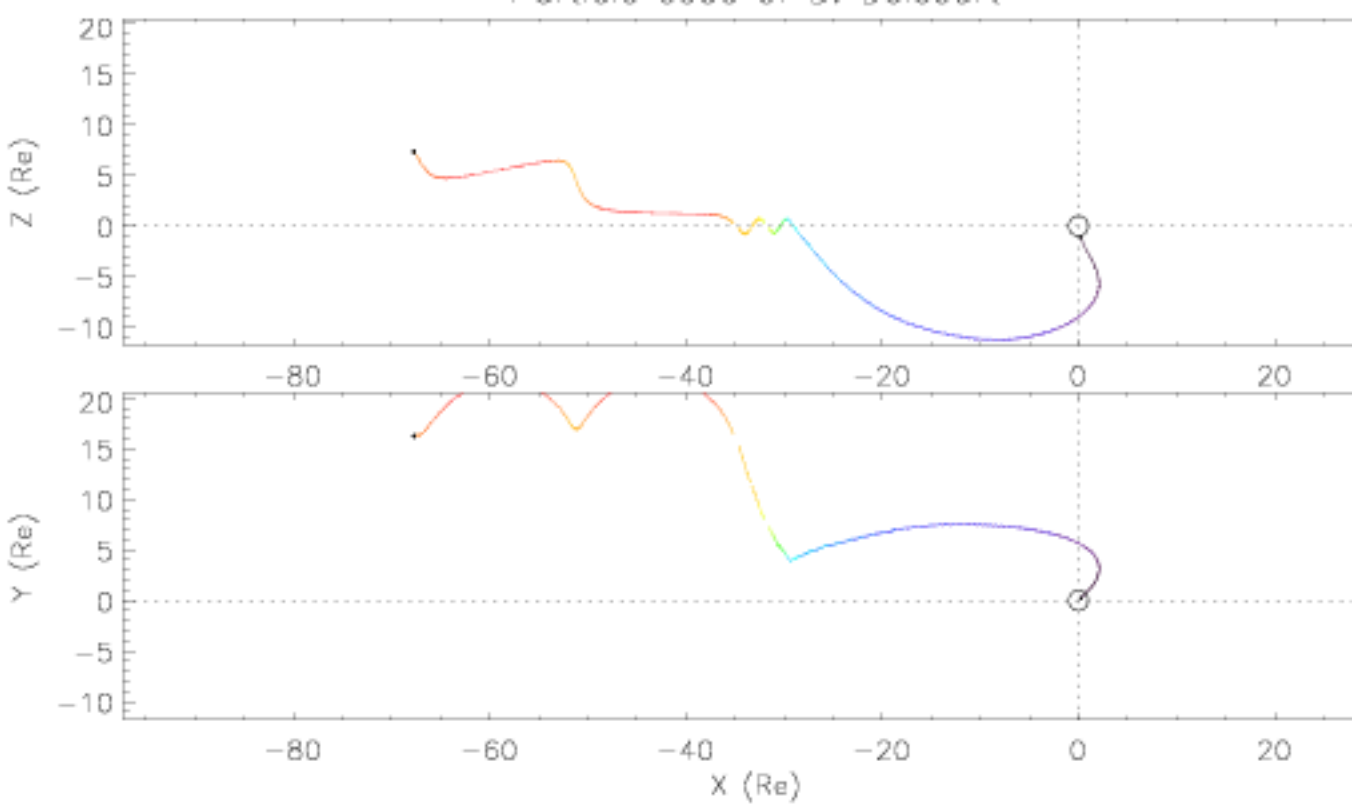

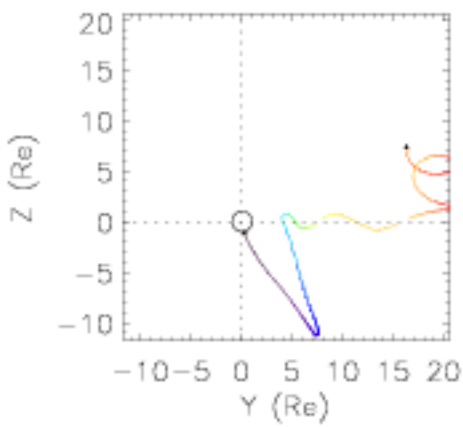

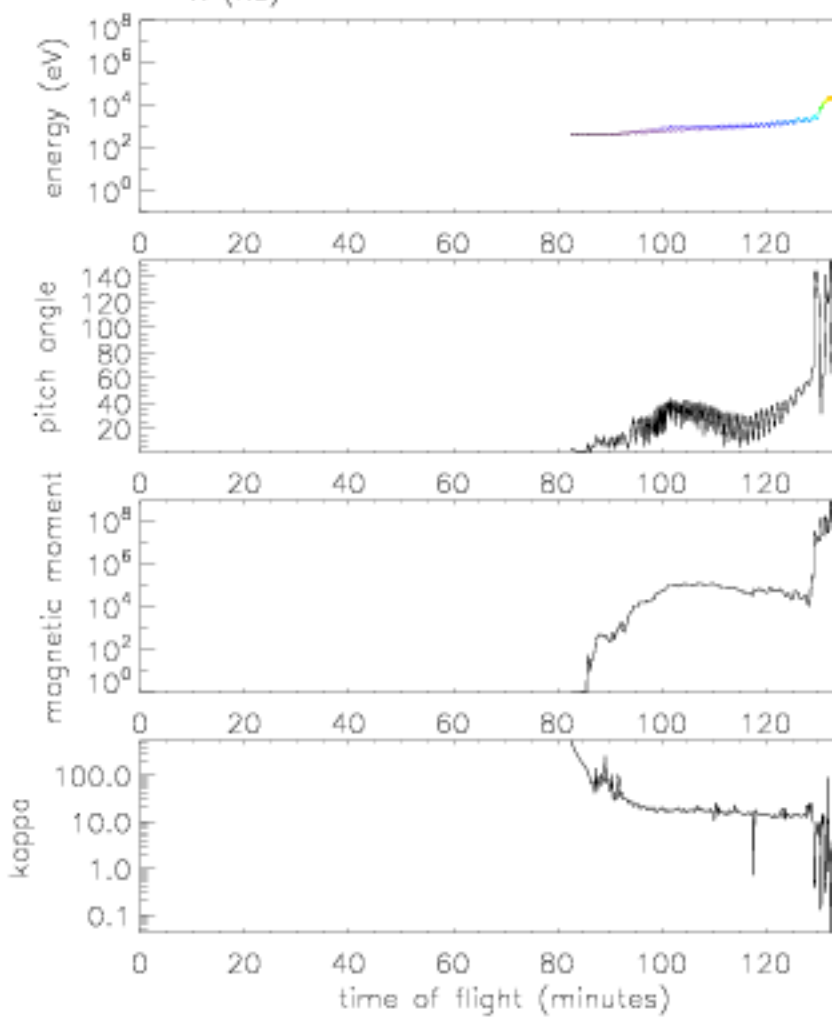

Start, Stop Parameters:

Time (minute): 82.6, 140.0
Magnetic local time: 14.900, 23.100
Magnetic latitude: −73.600, 6.031
Distance (Re): 1.16, 70.01
Energy (eV): 459.30, 30730.00
Pitch angle: 4.060, 135.200
Tilt angle (deg): 0.000

file: particle1002316.full

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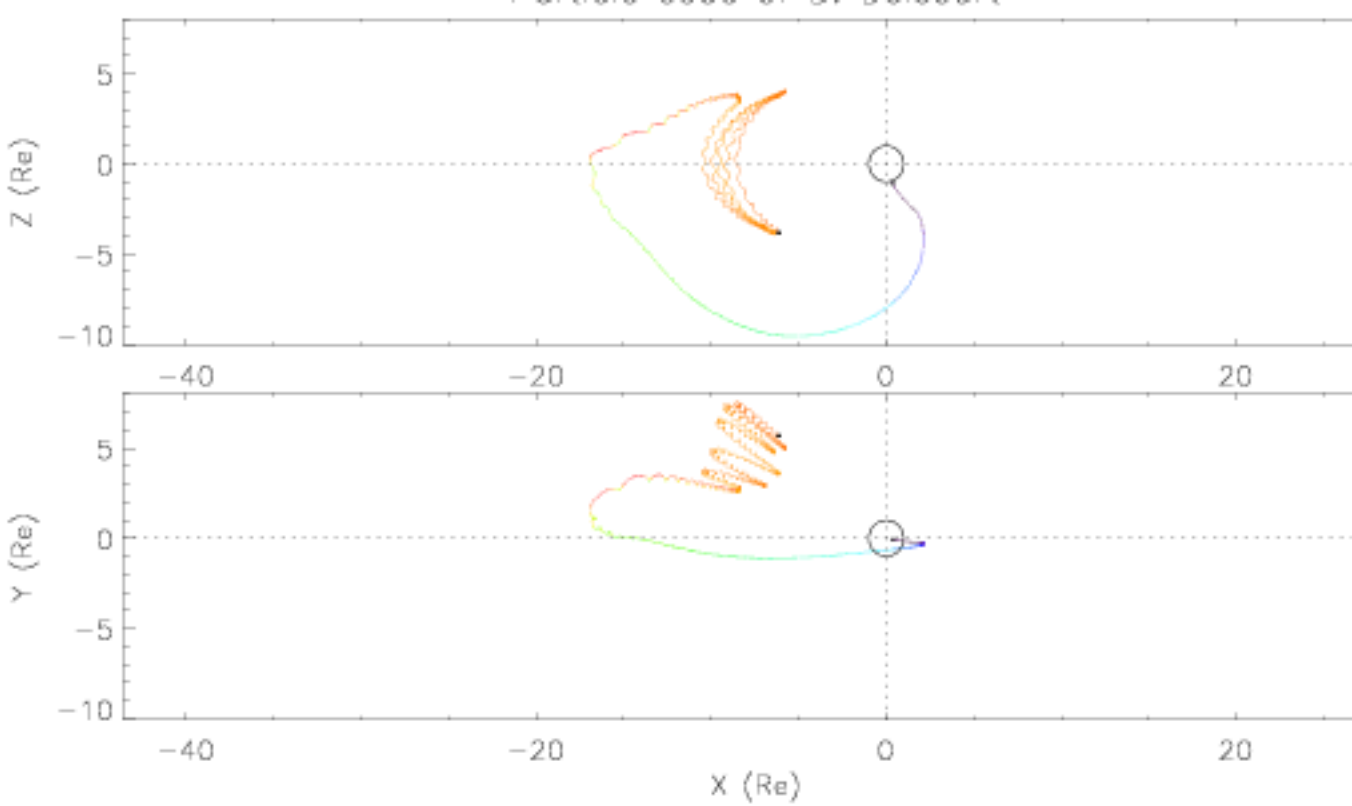

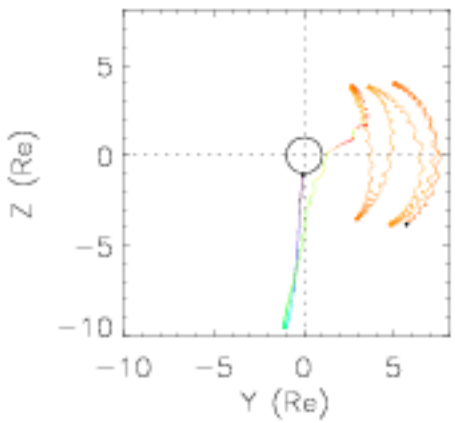

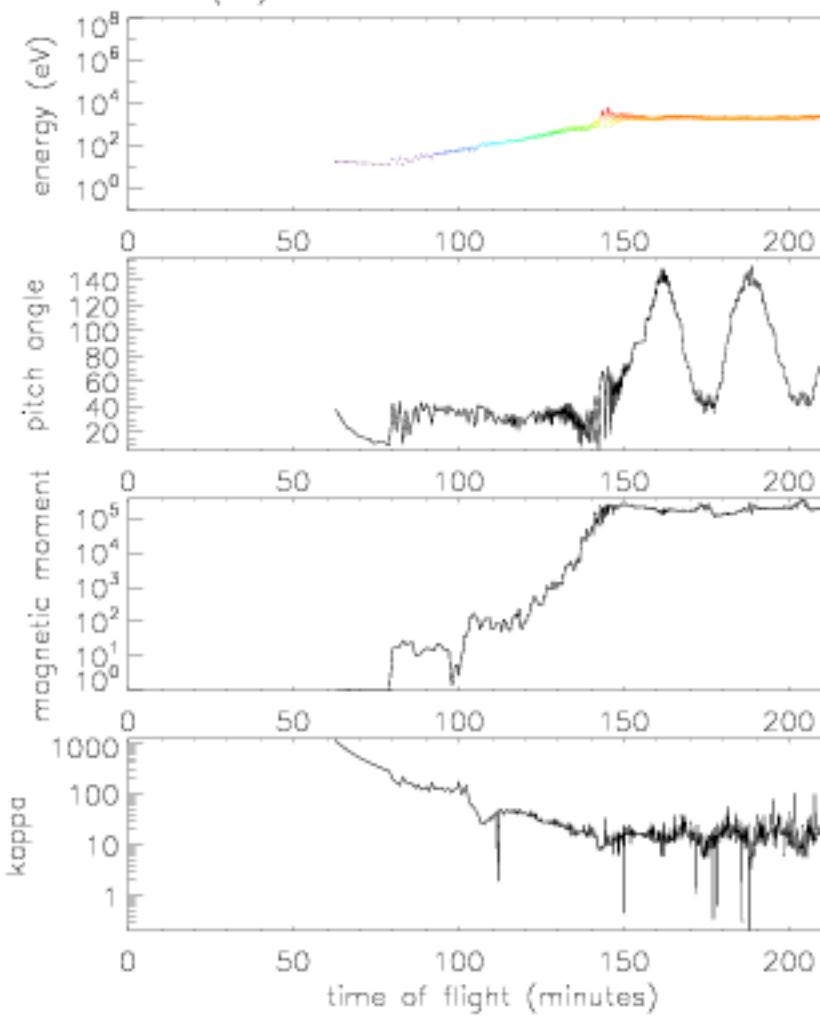

Start, Stop Parameters:

Time (minute): 62.7, 220.8
Magnetic local time: 11.270, 21.150
Magnetic latitude: −70.720, −24.600
Distance (Re): 1.16, 9.20
Energy (eV): 21.26, 2576.00
Pitch angle: 37.600, 120.100
Tilt angle (deg): 0.000

file: particle1002388.full

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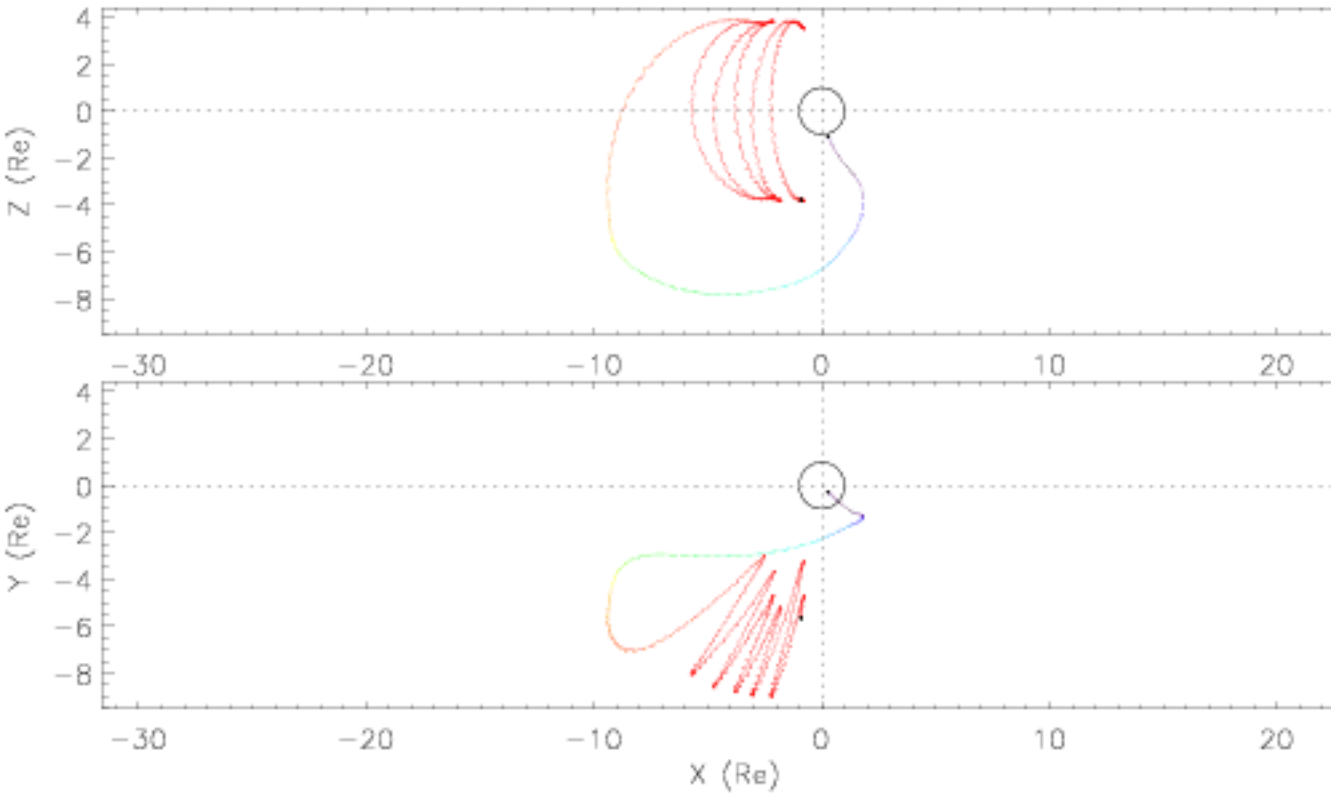

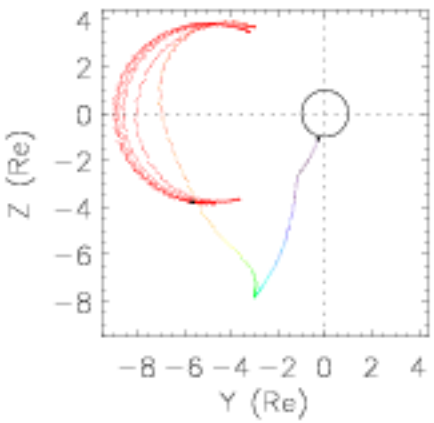

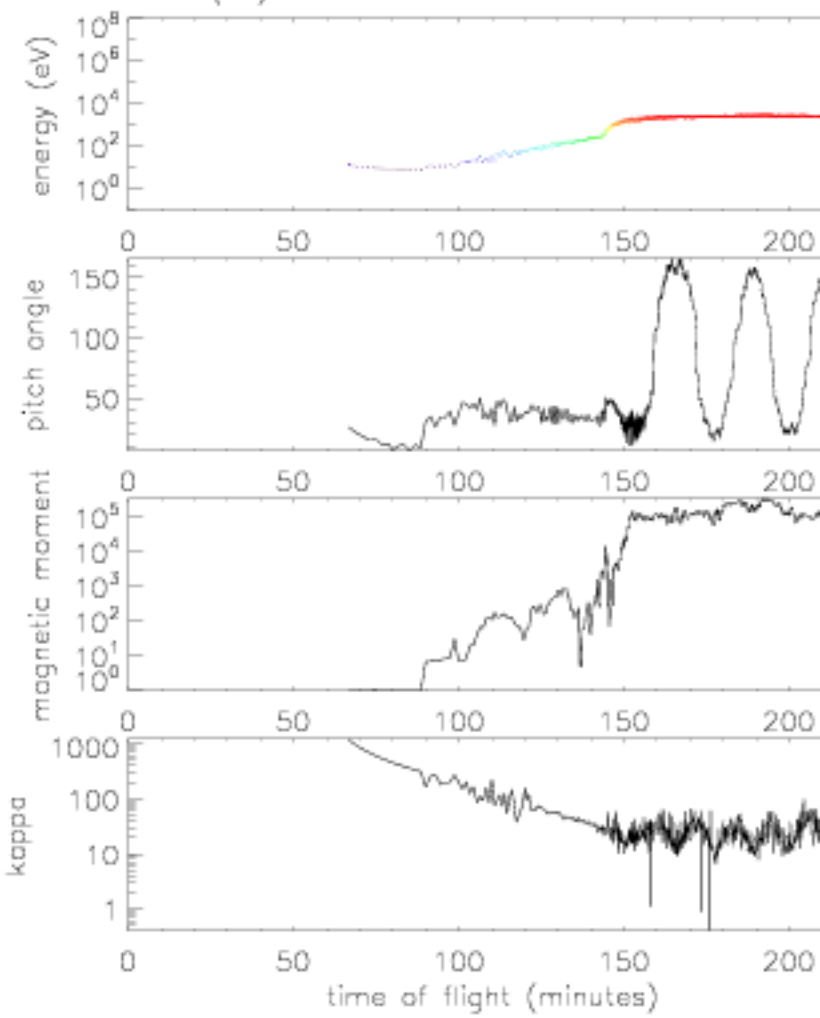

Start, Stop Parameters:

Time (minute): 66.6, 220.8
Magnetic local time: 8.971, 5.394
Magnetic latitude: −70.360, −33.540
Distance (Re): 1.16, 6.85
Energy (eV): 13.55, 2756.00
Pitch angle: 26.270, 66.240
Tilt angle (deg): 0.000

file: particle1003324.full

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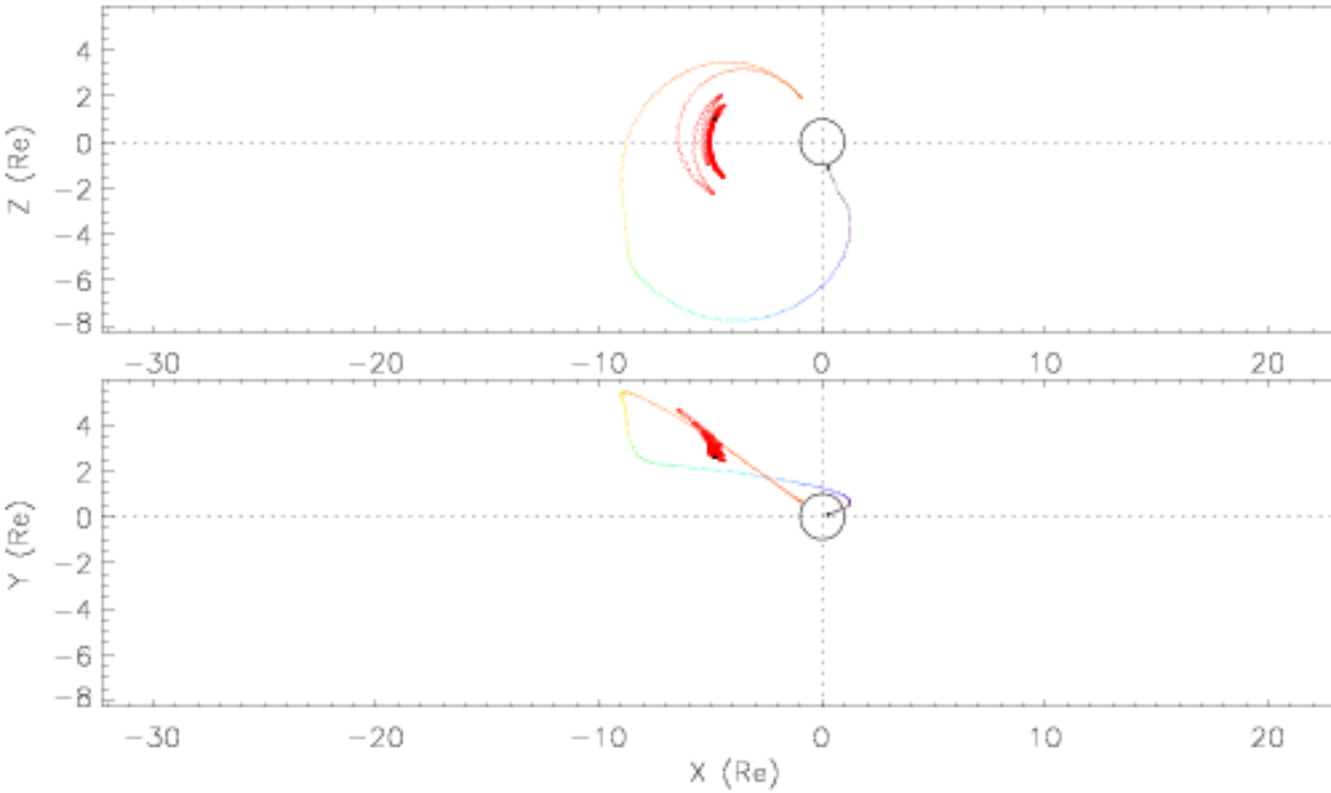

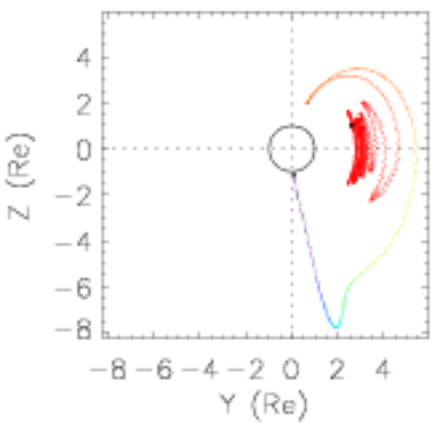

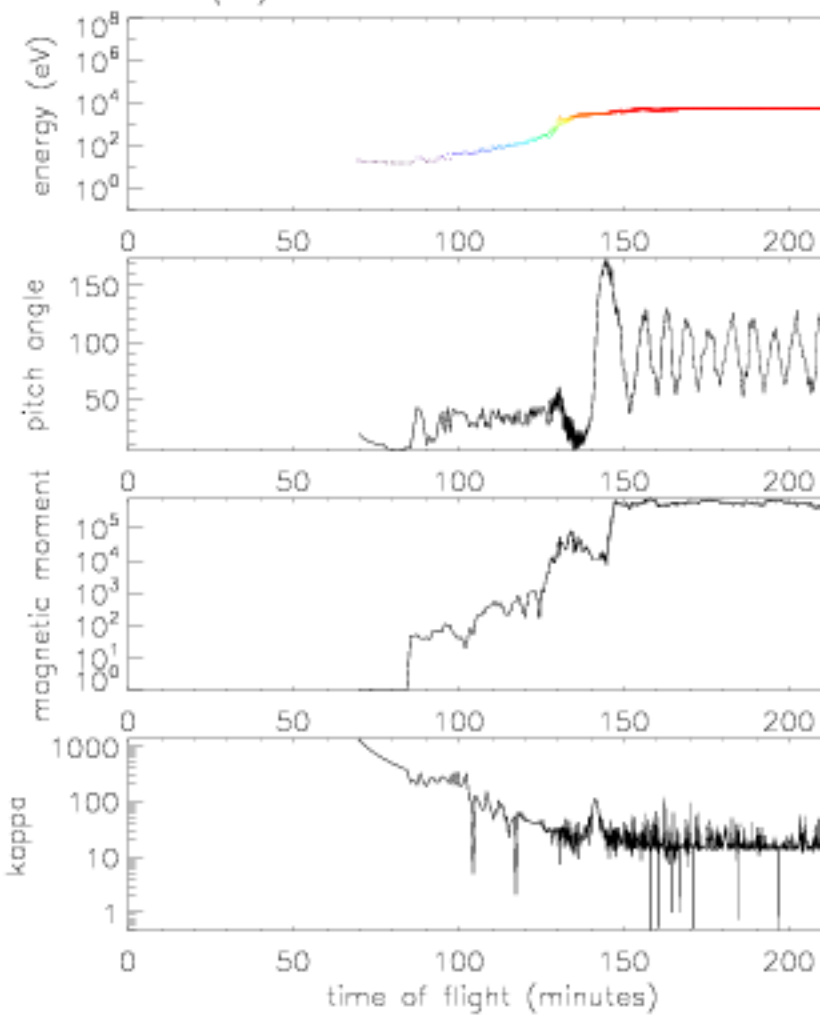

Start, Stop Parameters:

Time (minute): 69.6, 220.8
Magnetic local time: 13.200, 22.120
Magnetic latitude: −76.080, 10.530
Distance (Re): 1.16, 5.56
Energy (eV): 22.35, 5989.00
Pitch angle: 19.160, 91.190
Tilt angle (deg): 0.000

file: particle1003908.full

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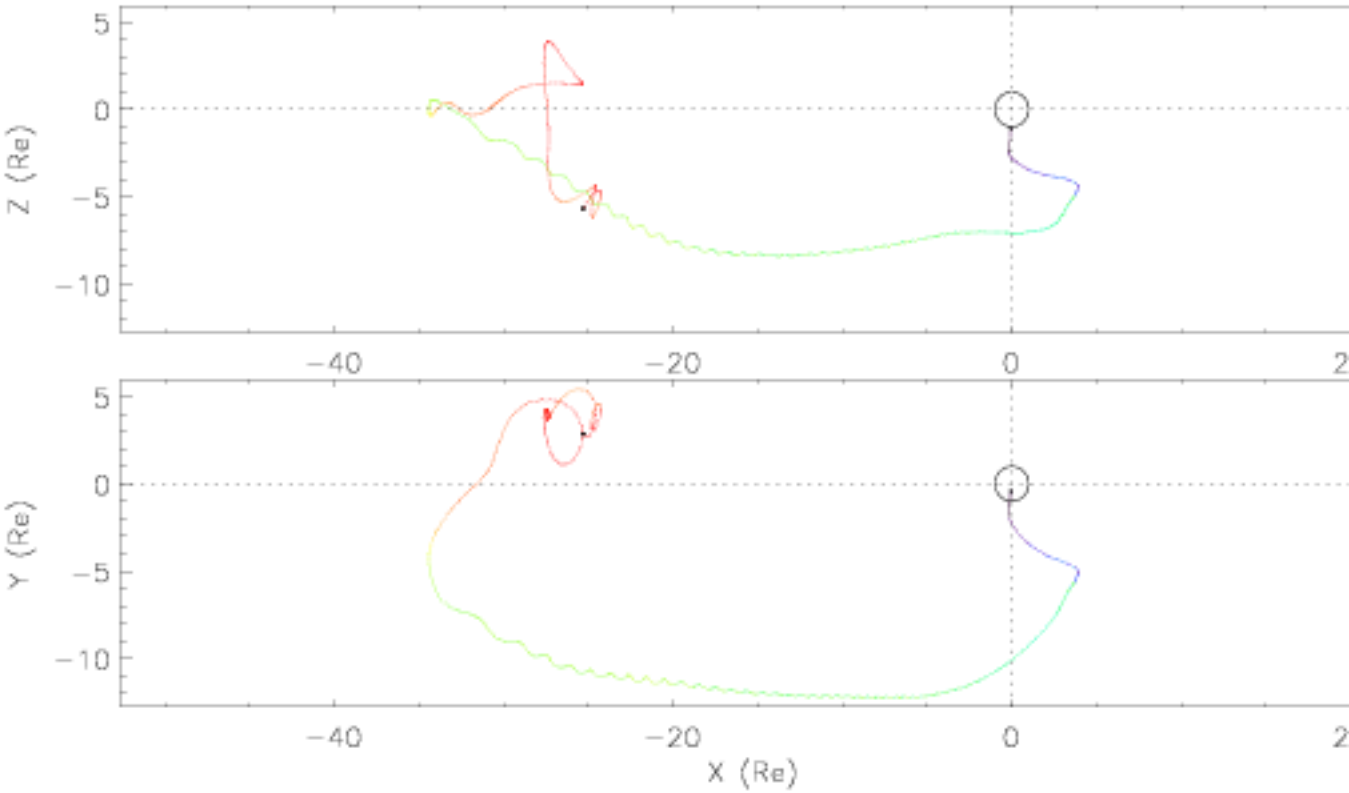

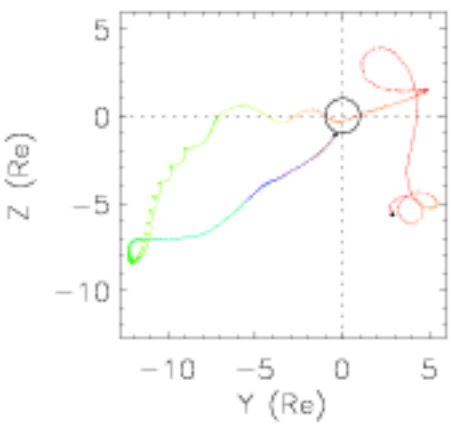

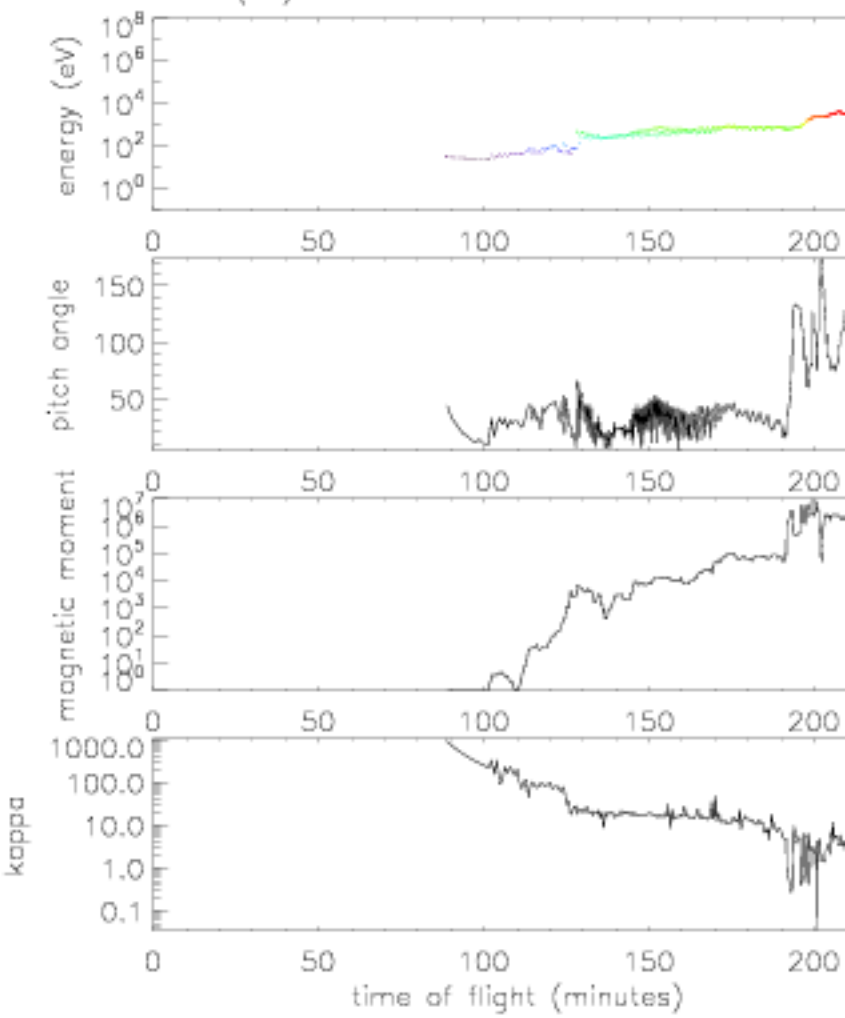

Start, Stop Parameters:

Time (minute): 88.8, 220.8
Magnetic local time: 5.455, 23.570
Magnetic latitude: −68.810, −12.560
Distance (Re): 1.16, 26.09
Energy (eV): 32.75, 3454.00
Pitch angle: 43.420, 71.790
Tilt angle (deg): 0.000

file: particle1003976.full

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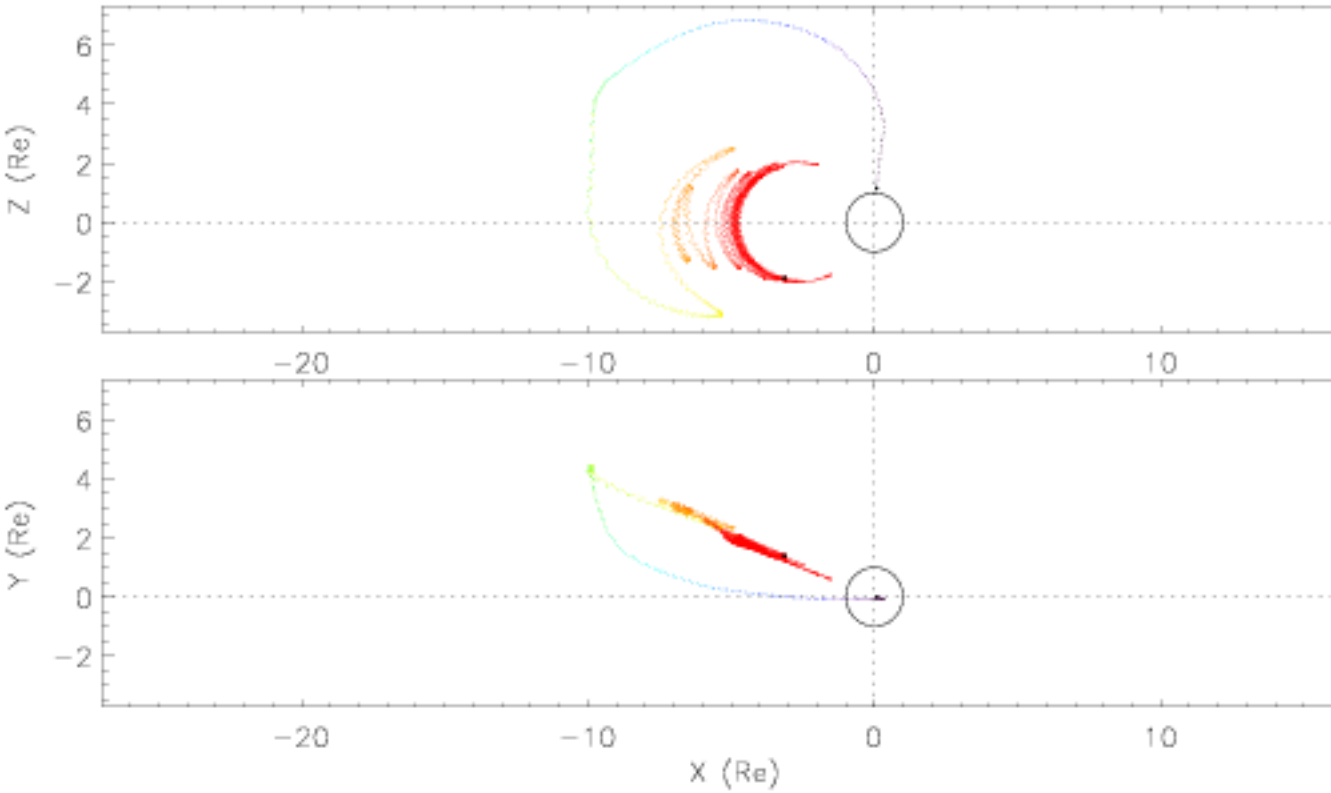

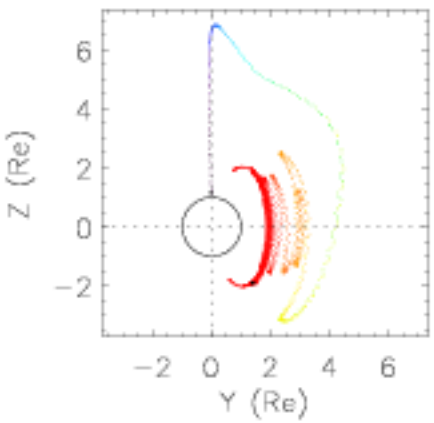

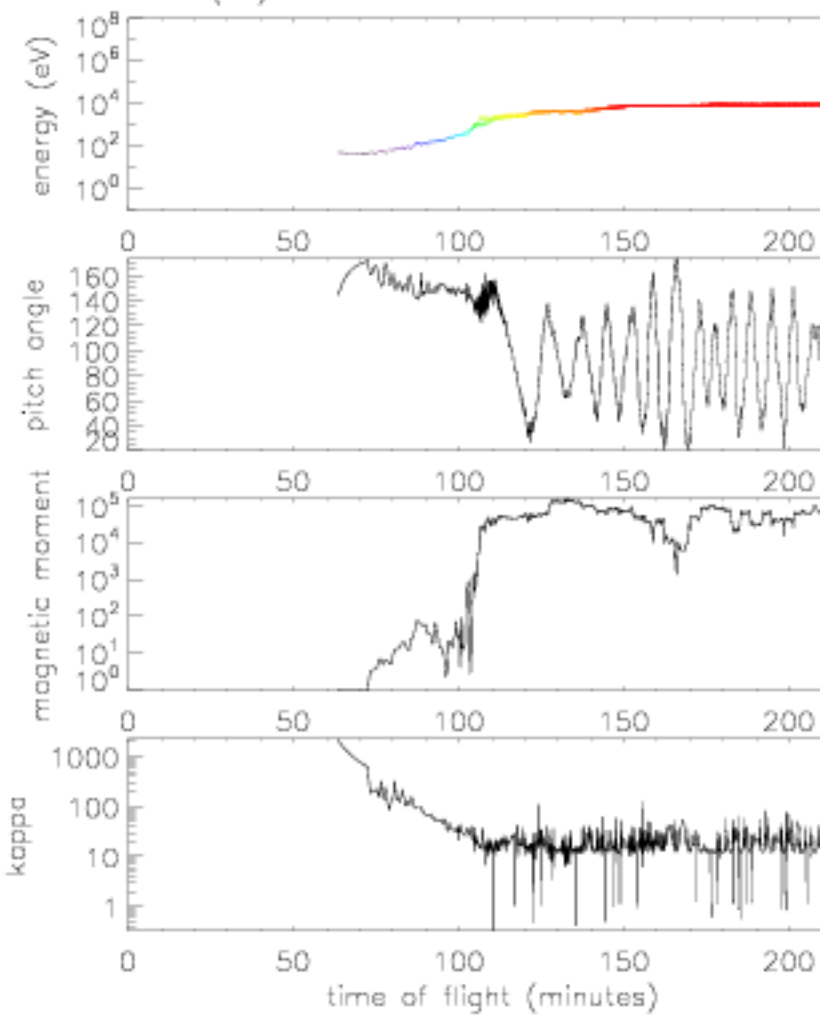

Start, Stop Parameters:

Time (minute): 63.5, 220.8
Magnetic local time: 11.090, 22.410
Magnetic latitude: 86.270,−28.900
Distance (Re): 1.16, 3.92
Energy (eV): 53.34, 9896.00
Pitch angle: 144.800, 88.660
Tilt angle (deg): 0.000

file: particle1004027.full

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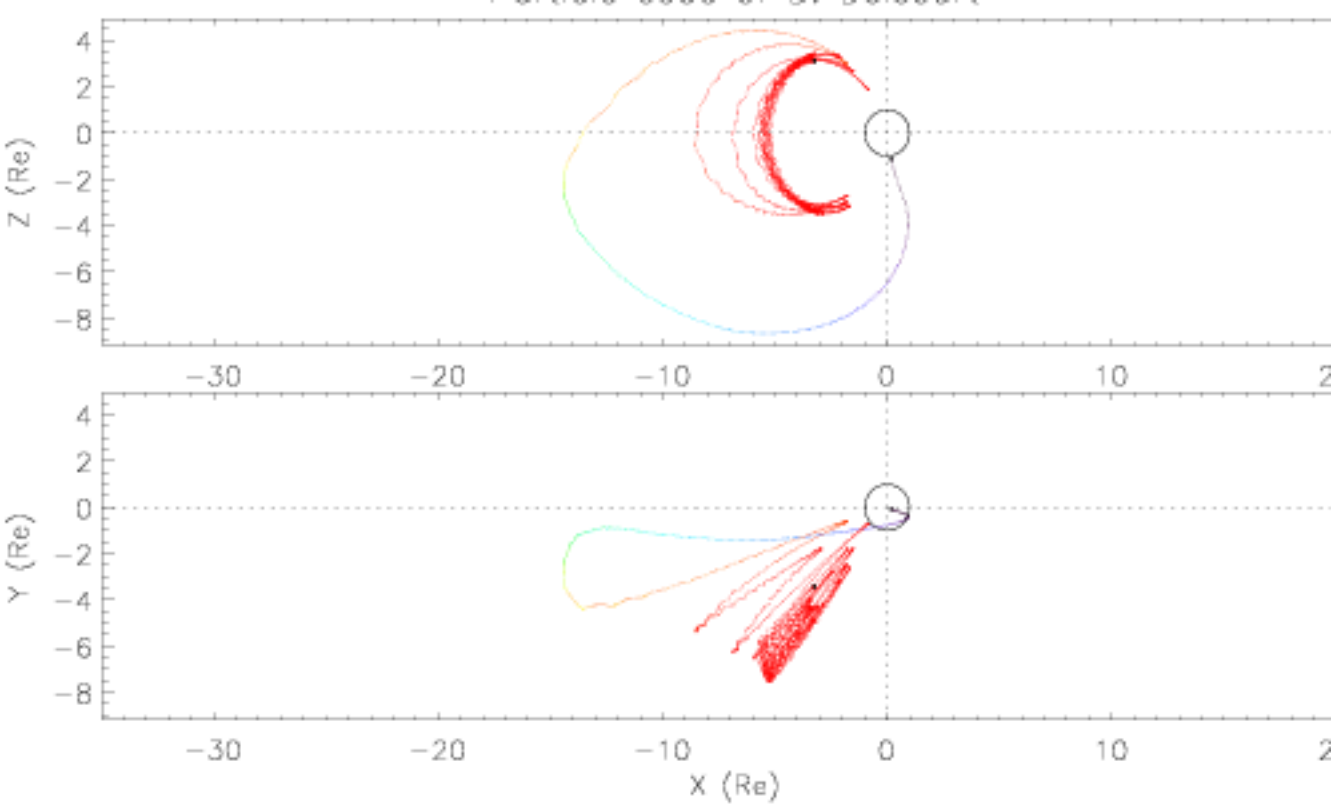

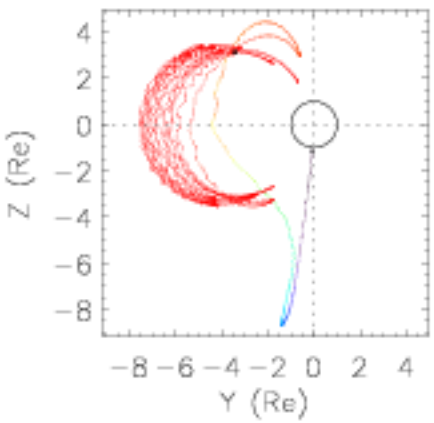

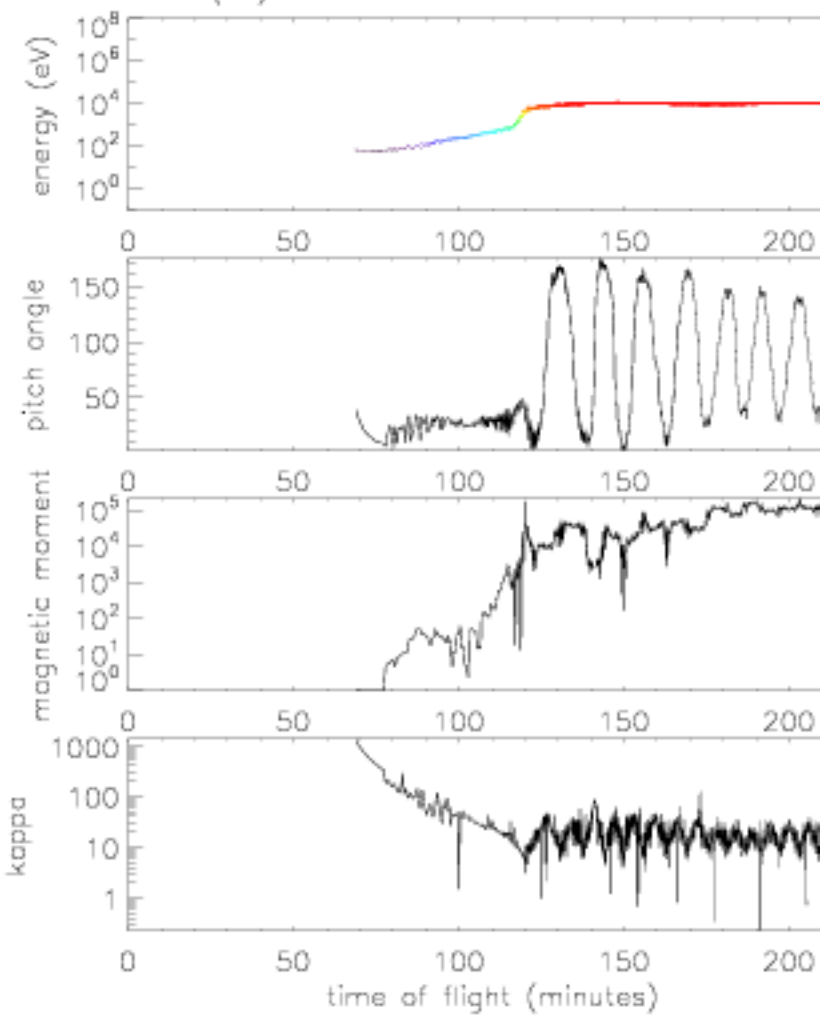

Start, Stop Parameters:

Time (minute): 68.8, 220.8
Magnetic local time: 10.560, 3.103
Magnetic latitude: −80.340, 33.580
Distance (Re): 1.16, 5.65
Energy (eV): 68.97, 12510.00
Pitch angle: 38.760, 81.570
Tilt angle (deg): 0.000

file: particle1004344.full

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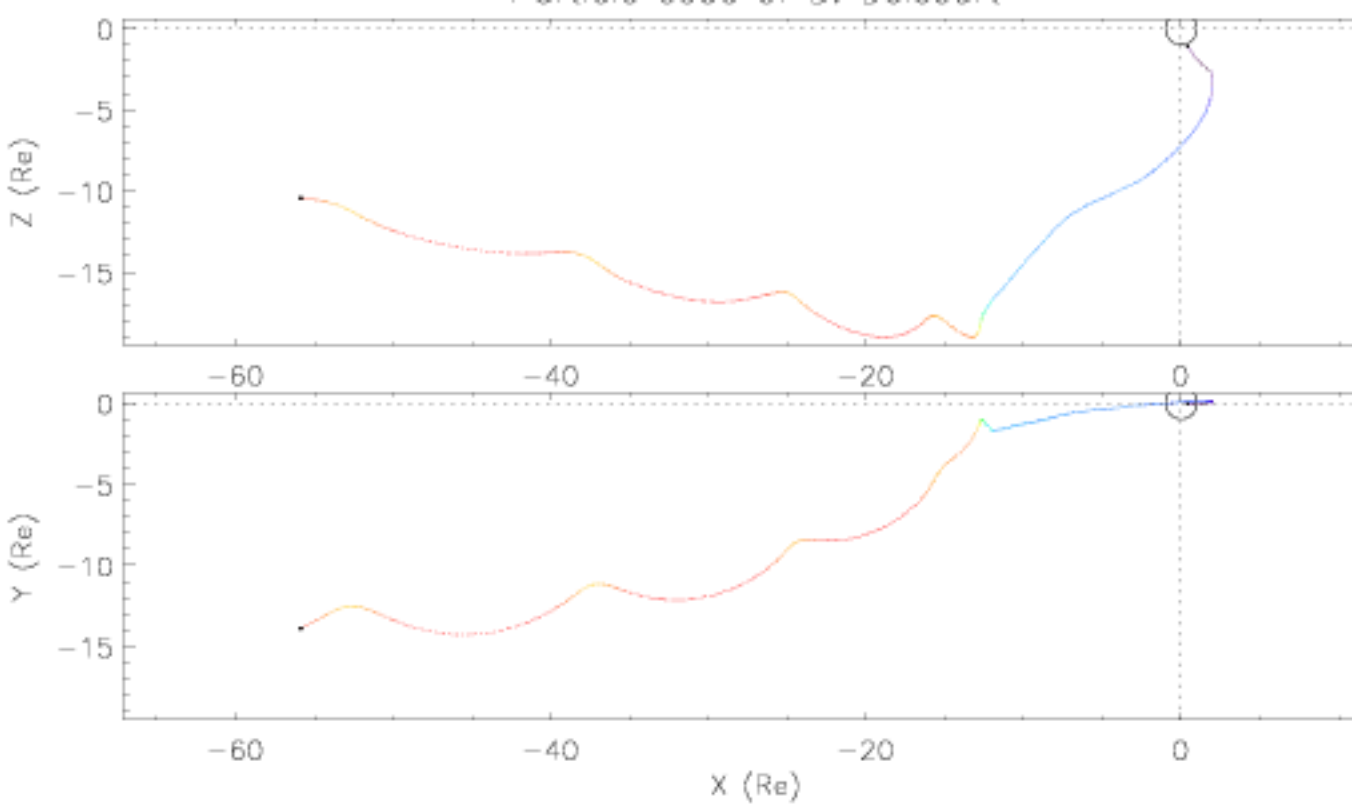

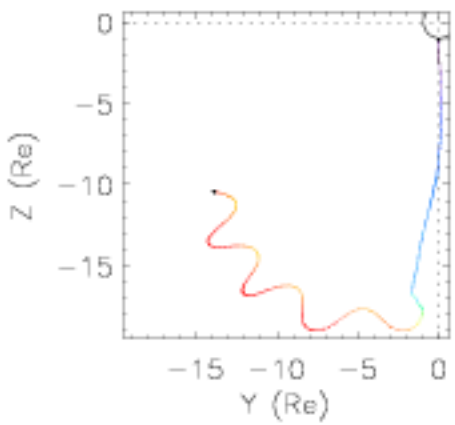

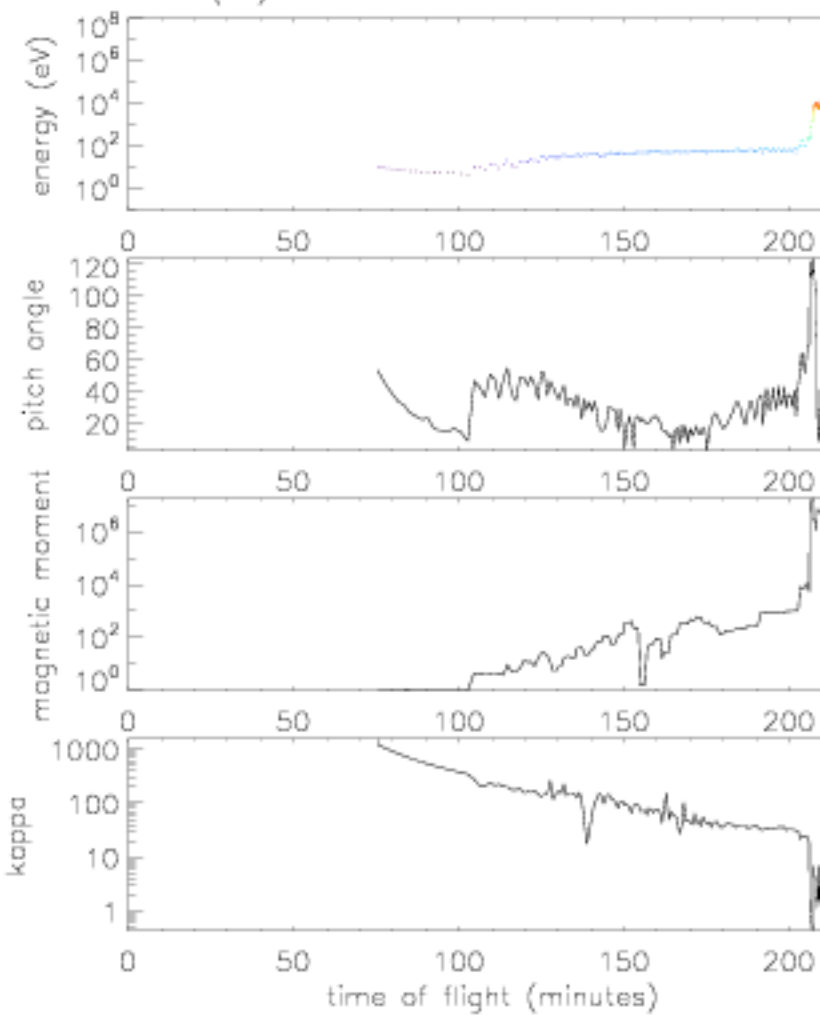

Start, Stop Parameters:

Time (minute): 75.4, 220.8
Magnetic local time: 11.560, 0.930
Magnetic latitude: −69.780, −10.280
Distance (Re): 1.16, 58.51
Energy (eV): 10.91, 15320.00
Pitch angle: 53.140, 80.580
Tilt angle (deg): 0.000

file: particle1004750.full

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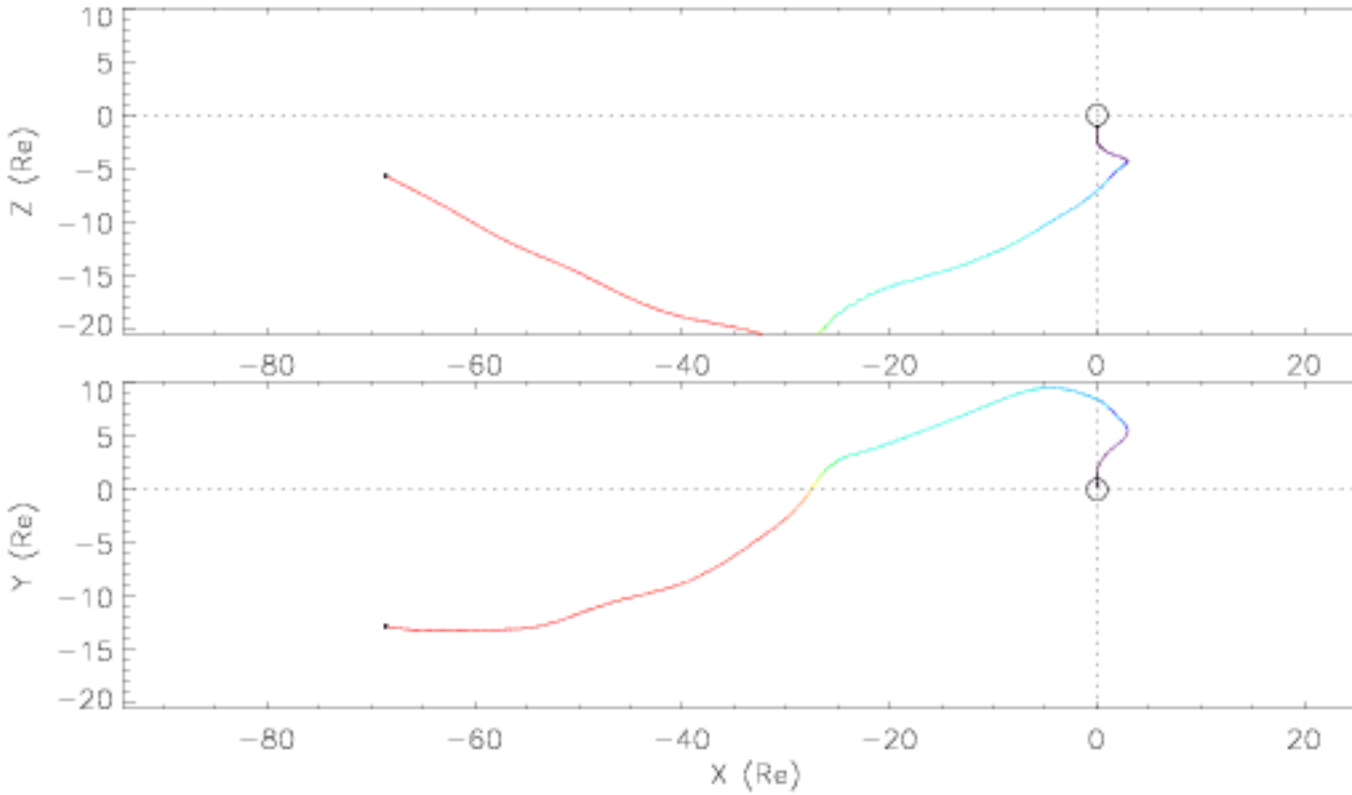

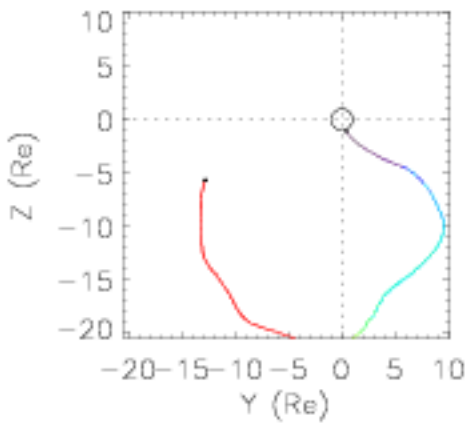

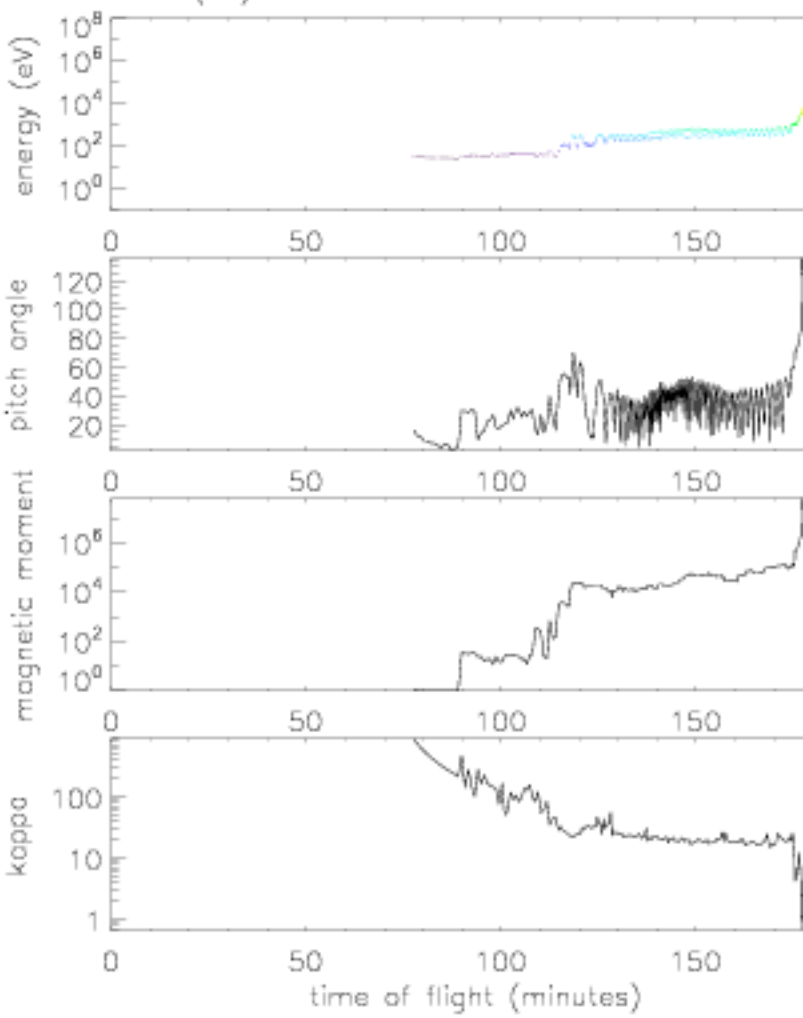

Start, Stop Parameters:

Time (minute): 77.6, 187.3
Magnetic local time: 17.750, 0.703
Magnetic latitude: −68.800, −4.653
Distance (Re): 1.16, 70.02
Energy (eV): 33.96, 24880.00
Pitch angle: 15.800, 48.400
Tilt angle (deg): 0.000

file: particle1004756.full

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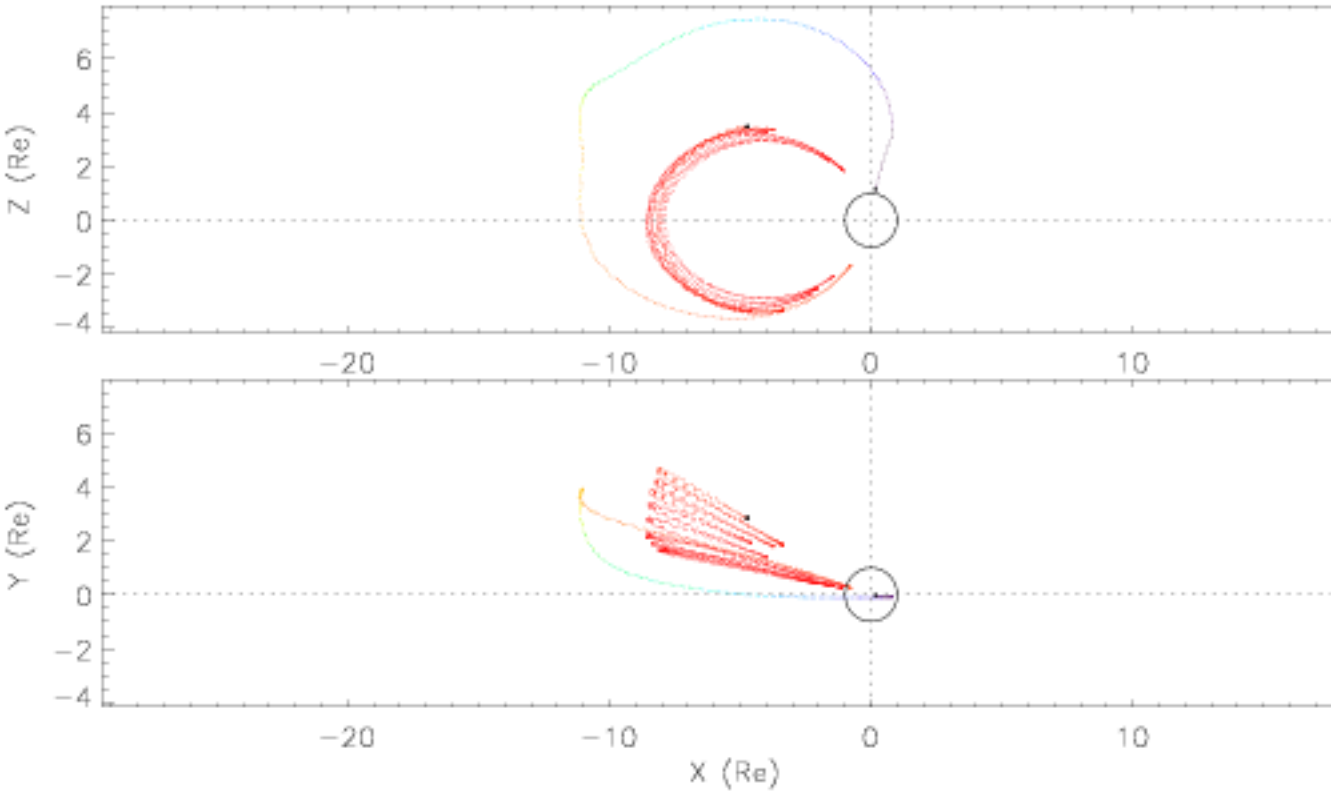

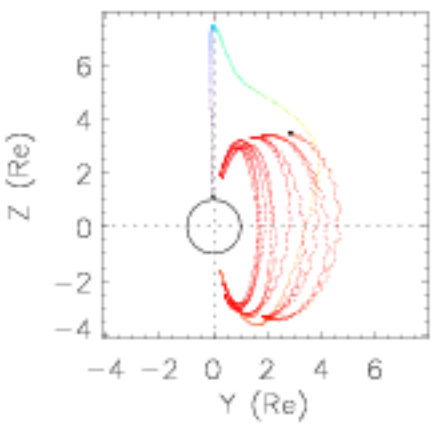

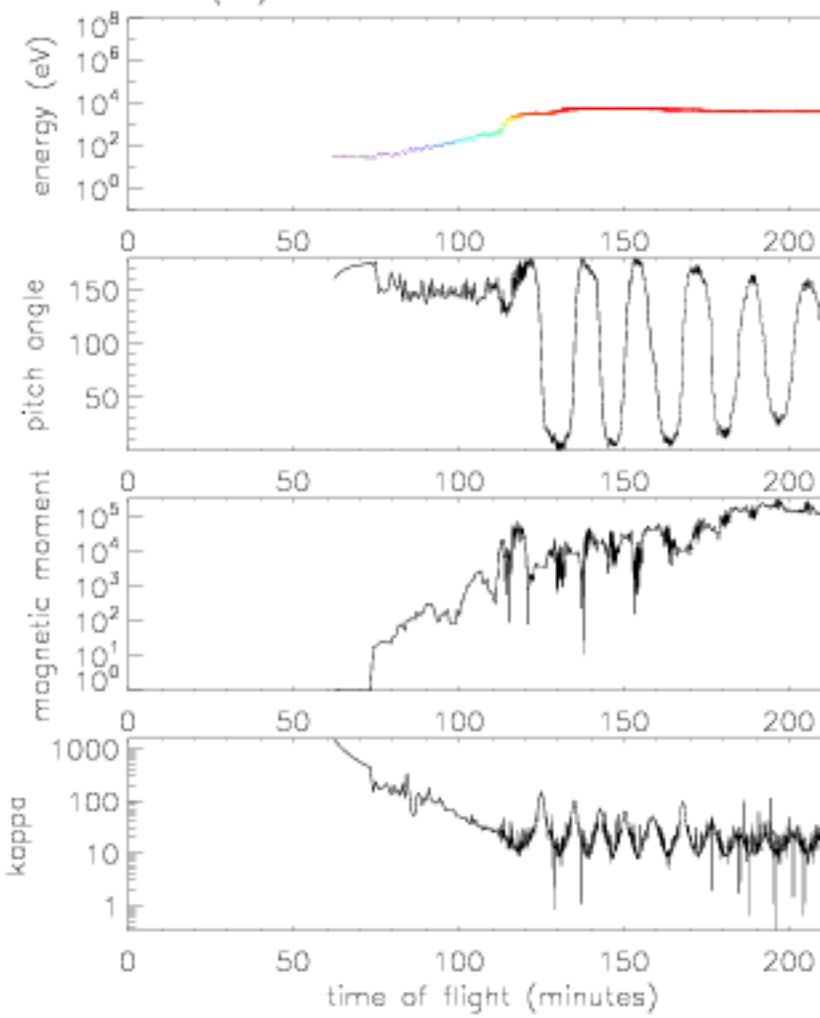

Start, Stop Parameters:

Time (minute): 62.2, 220.8
Magnetic local time: 11.360, 21.930
Magnetic latitude: 81.390, 32.250
Distance (Re): 1.16, 6.52
Energy (eV): 36.41, 4059.00
Pitch angle: 160.200, 78.760
Tilt angle (deg): 0.000

file: particle1004825.full

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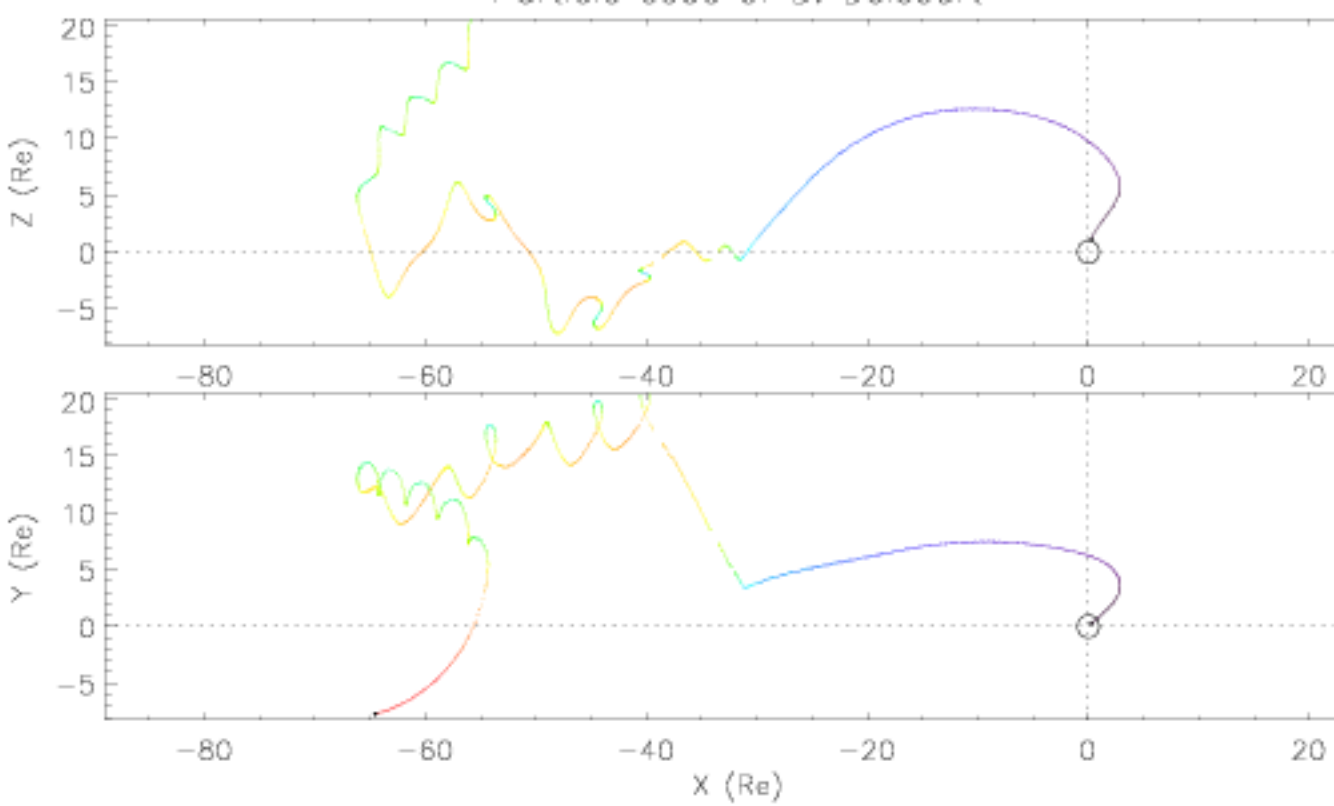

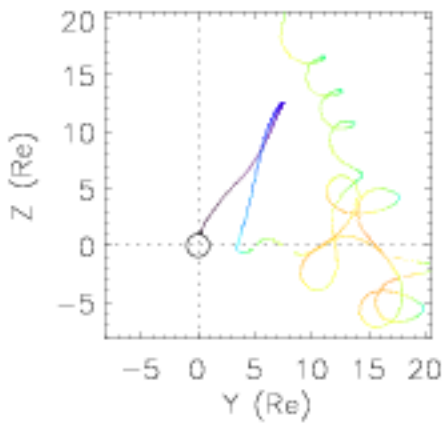

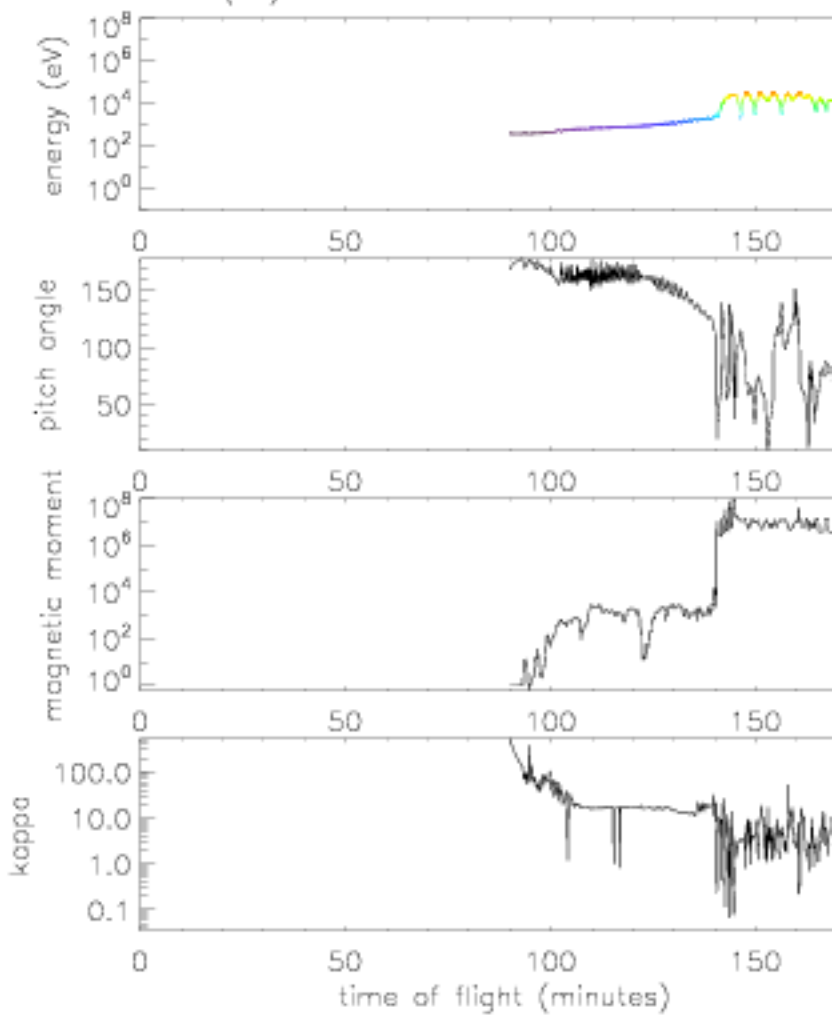

Start, Stop Parameters:

Time (minute): 90.0, 177.8
Magnetic local time: 14.710, 0.452
Magnetic latitude: 71.630, 21.830
Distance (Re): 1.16, 70.02
Energy (eV): 412.50, 76640.00
Pitch angle: 168.300, 68.210
Tilt angle (deg): 0.000

file: particle1005055.full

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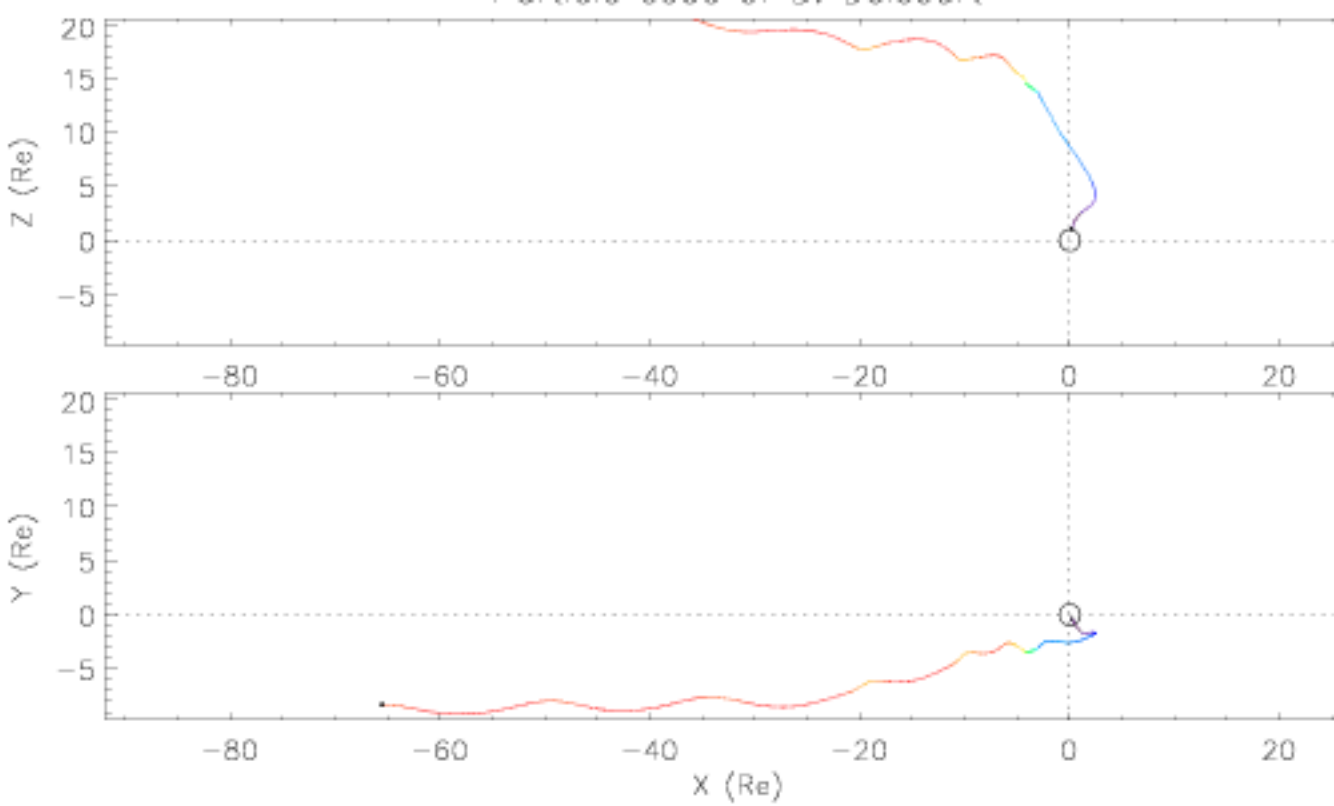

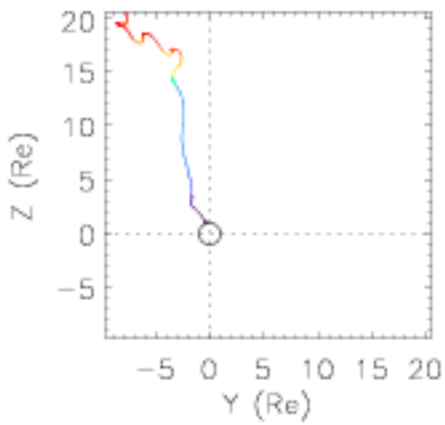

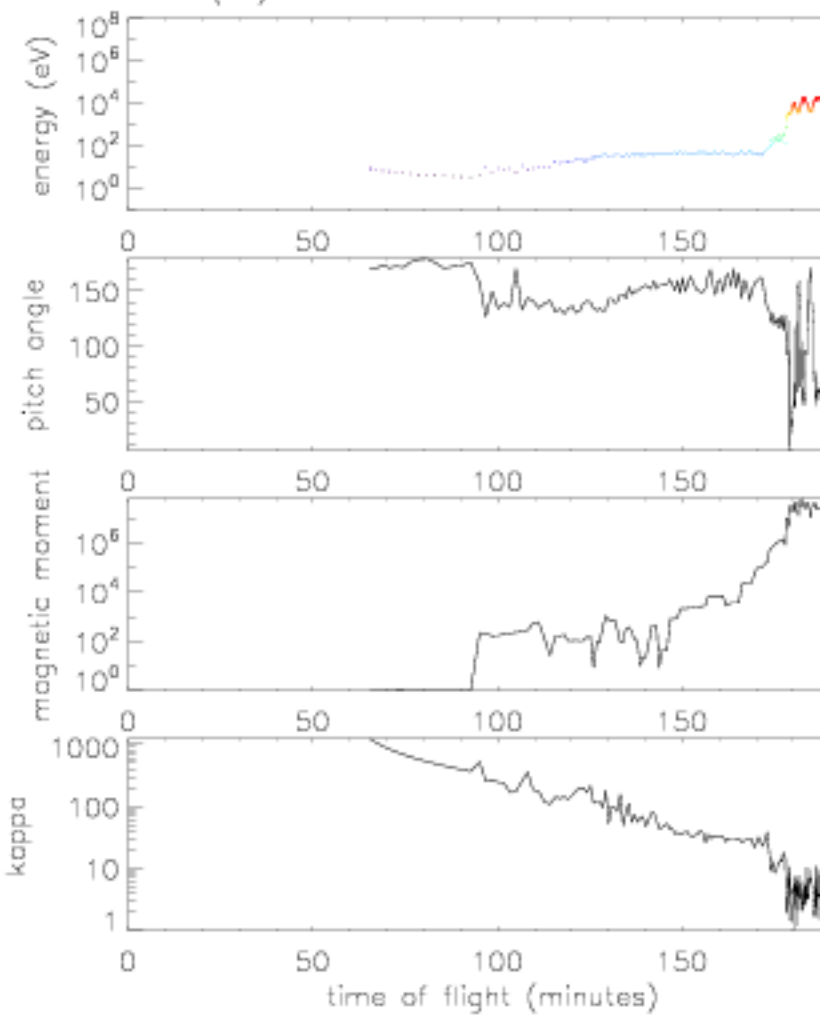

Start, Stop Parameters:

Time (minute): 65.4, 197.7
Magnetic local time: 7.759, 0.482
Magnetic latitude: 68.690, 19.420
Distance (Re): 1.16, 70.03
Energy (eV): 9.28, 8375.00
Pitch angle: 169.900, 52.180
Tilt angle (deg): 0.000

file: particle1005157.full

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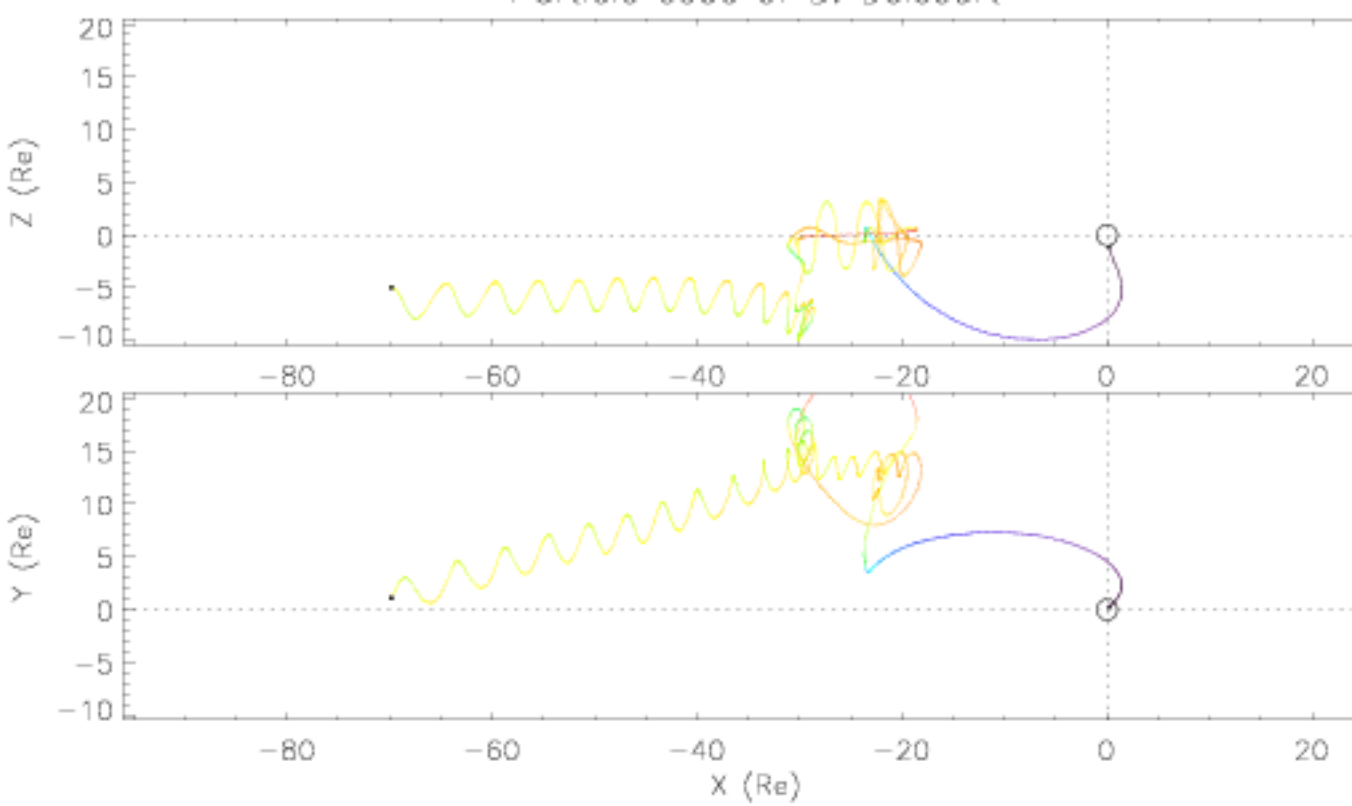

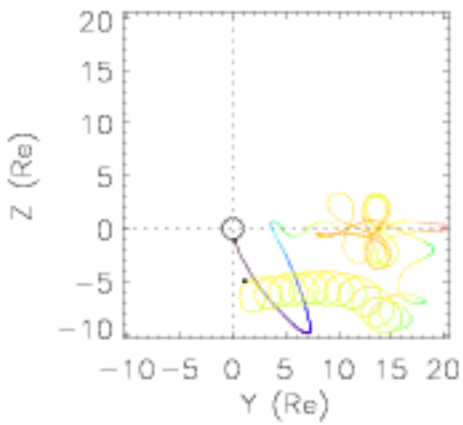

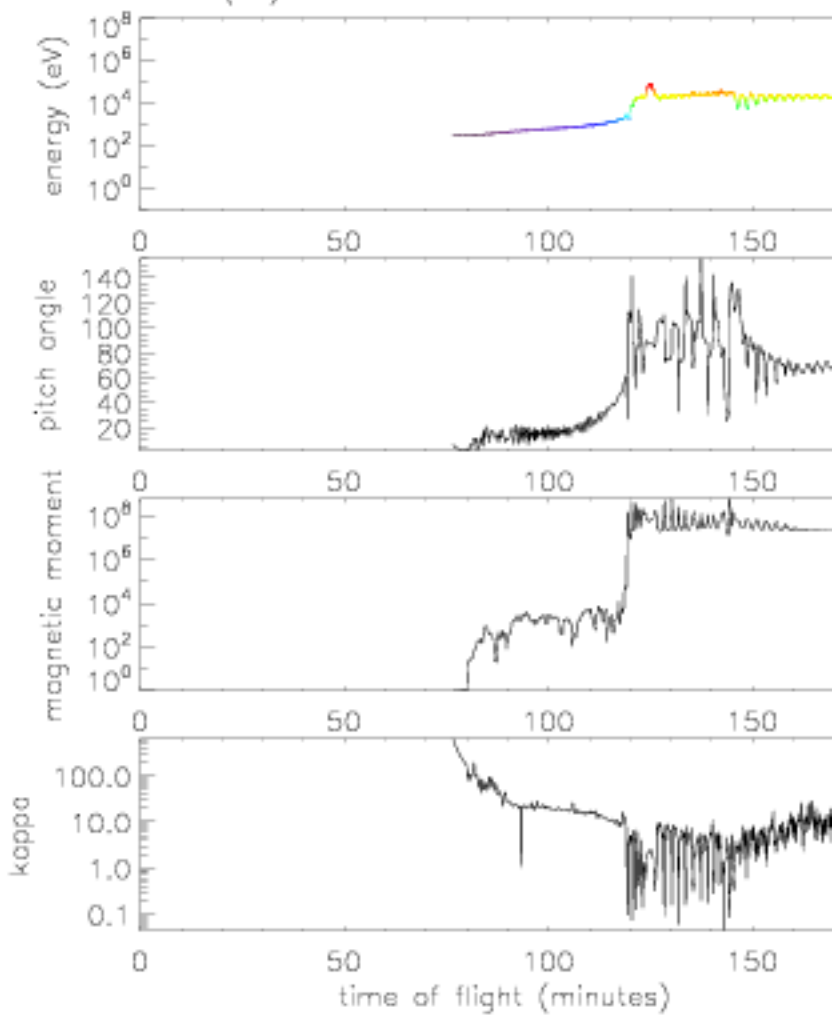

Start, Stop Parameters:

Time (minute): 76.6, 178.8
Magnetic local time: 15.090, 23.940
Magnetic latitude: −75.960, −4.064
Distance (Re): 1.16, 70.01
Energy (eV): 353.60, 23550.00
Pitch angle: 5.758, 65.350
Tilt angle (deg): 0.000

file: particle1005610.full

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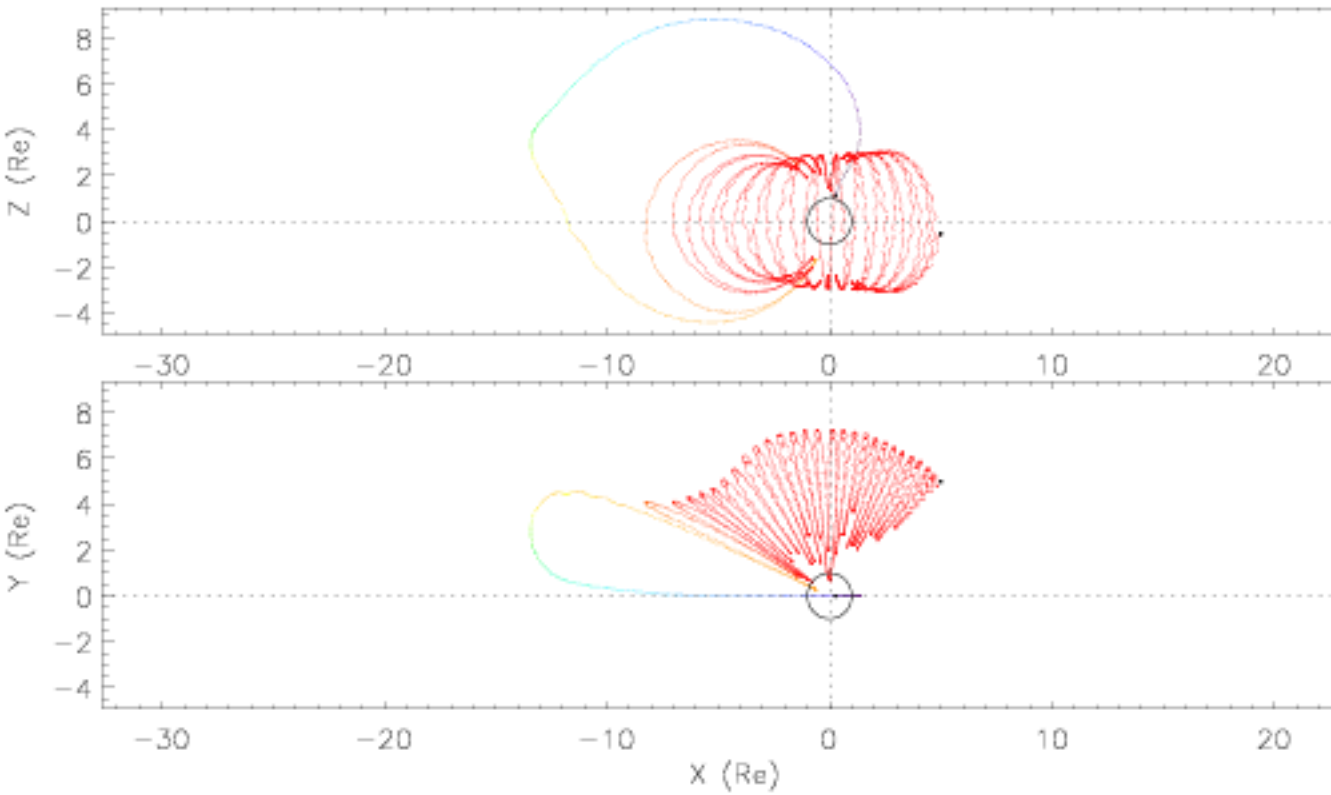

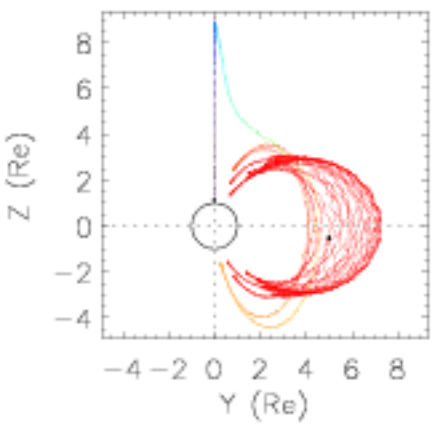

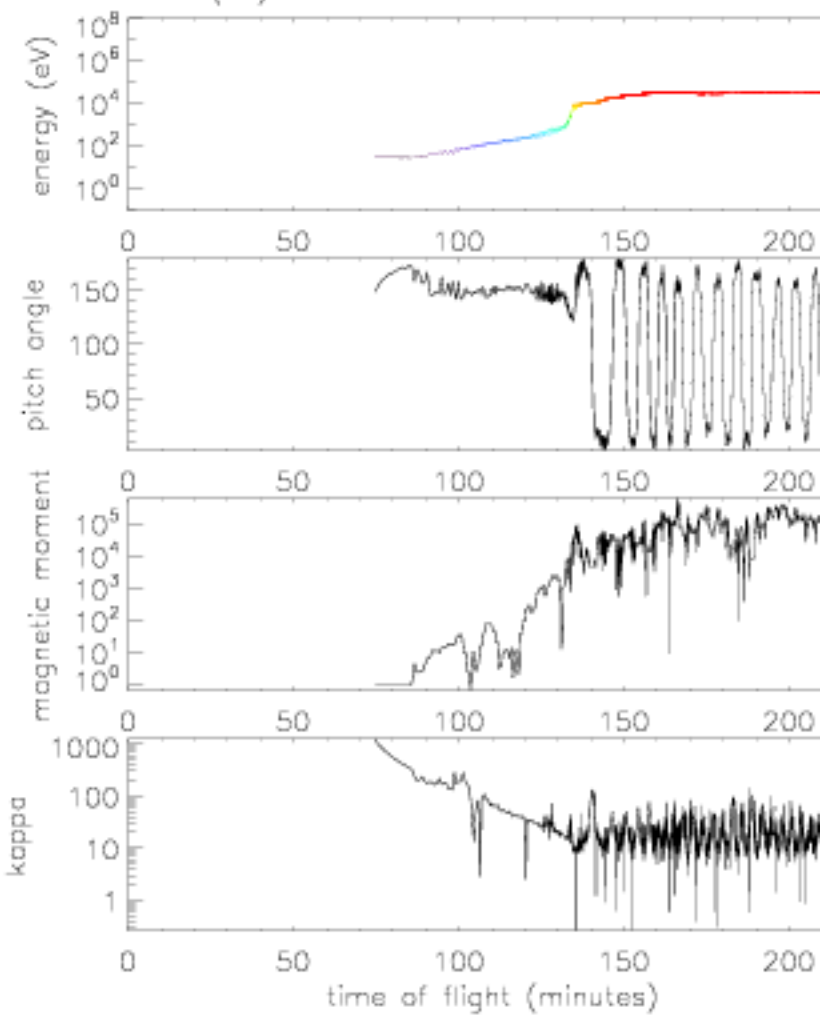

Start, Stop Parameters:

Time (minute): 74.6, 220.8
Magnetic local time: 11.840, 15.000
Magnetic latitude: 76.700, −4.304
Distance (Re): 1.16, 7.08
Energy (eV): 36.31, 32850.00
Pitch angle: 149.000, 35.500
Tilt angle (deg): 0.000

file: particle1005723.full

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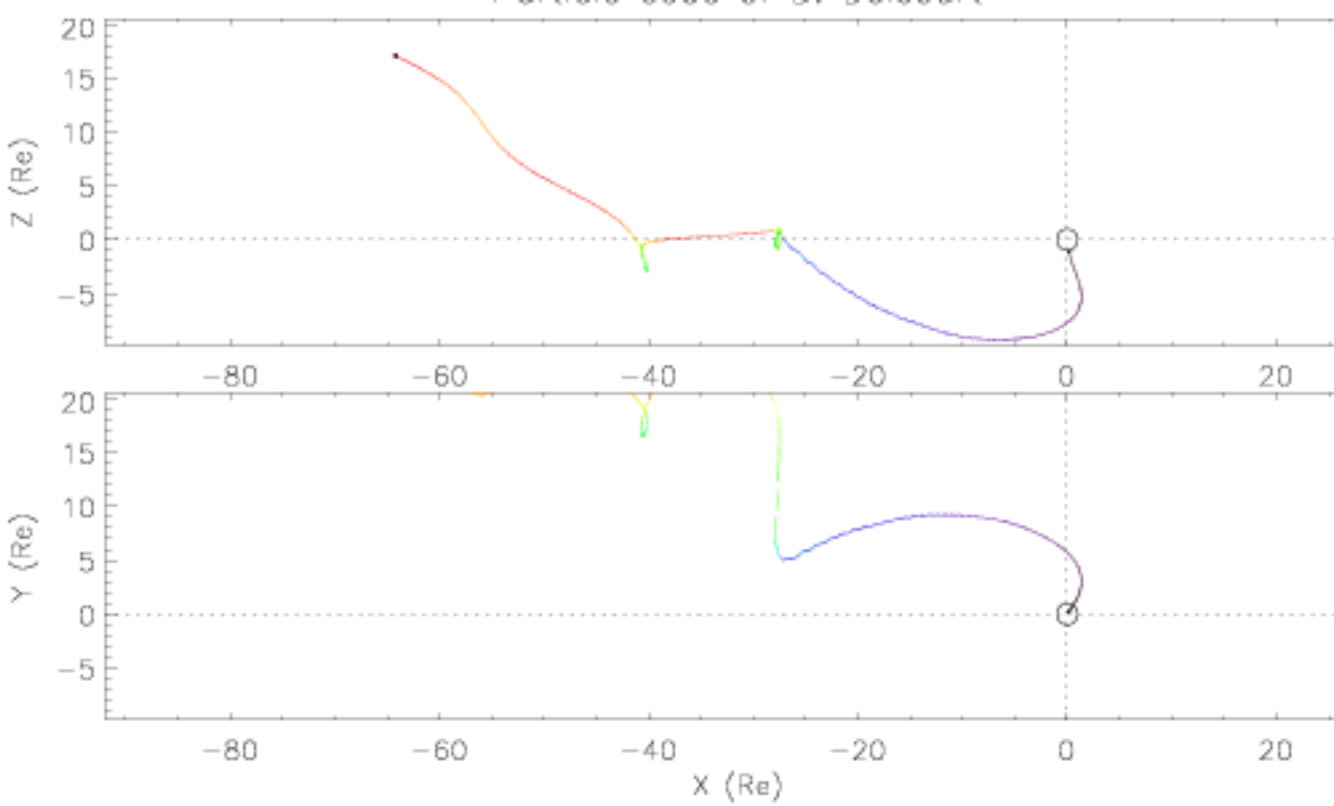

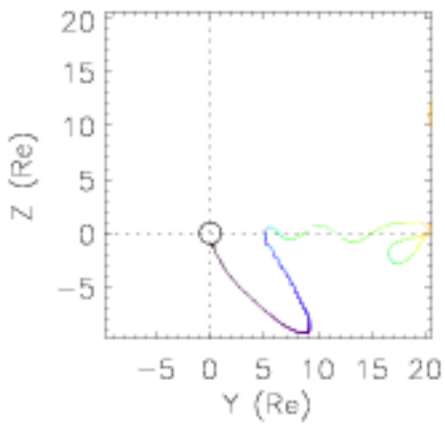

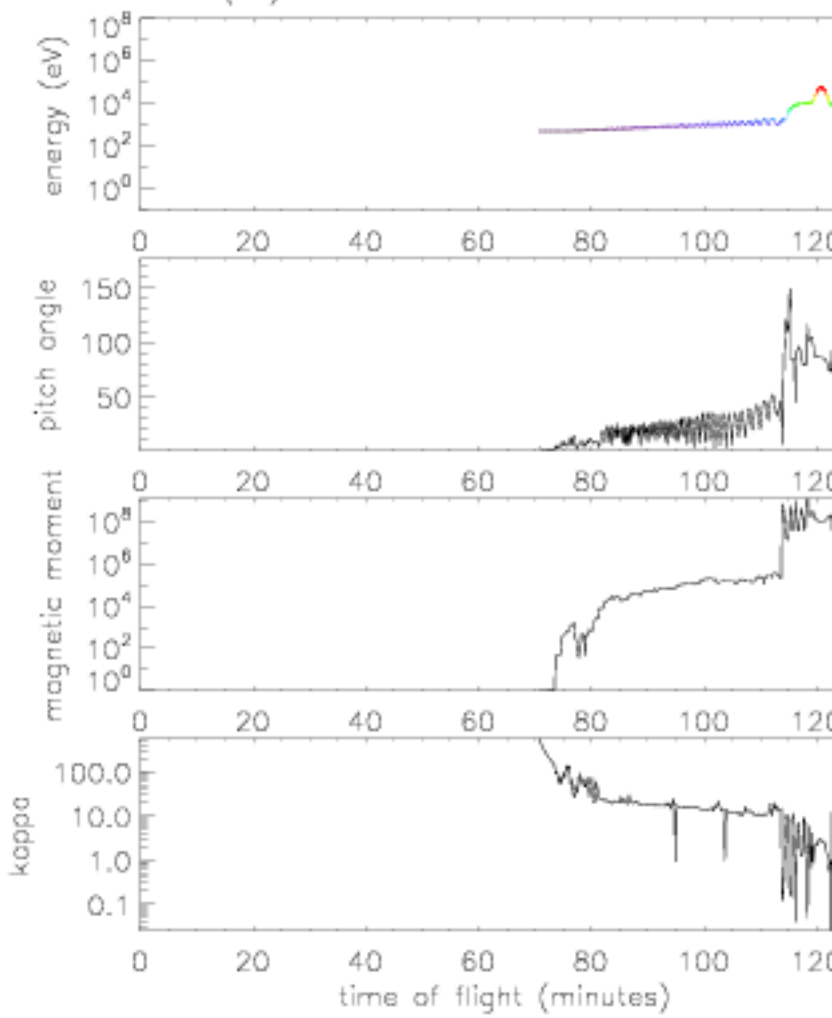

Start, Stop Parameters:

Time (minute): 70.7, 129.5
Magnetic local time: 15.680, 22.730
Magnetic latitude: −75.390, 14.100
Distance (Re): 1.16, 70.01
Energy (eV): 539.60, 49610.00
Pitch angle: 2.850, 126.100
Tilt angle (deg): 0.000

file: particle1006084.full

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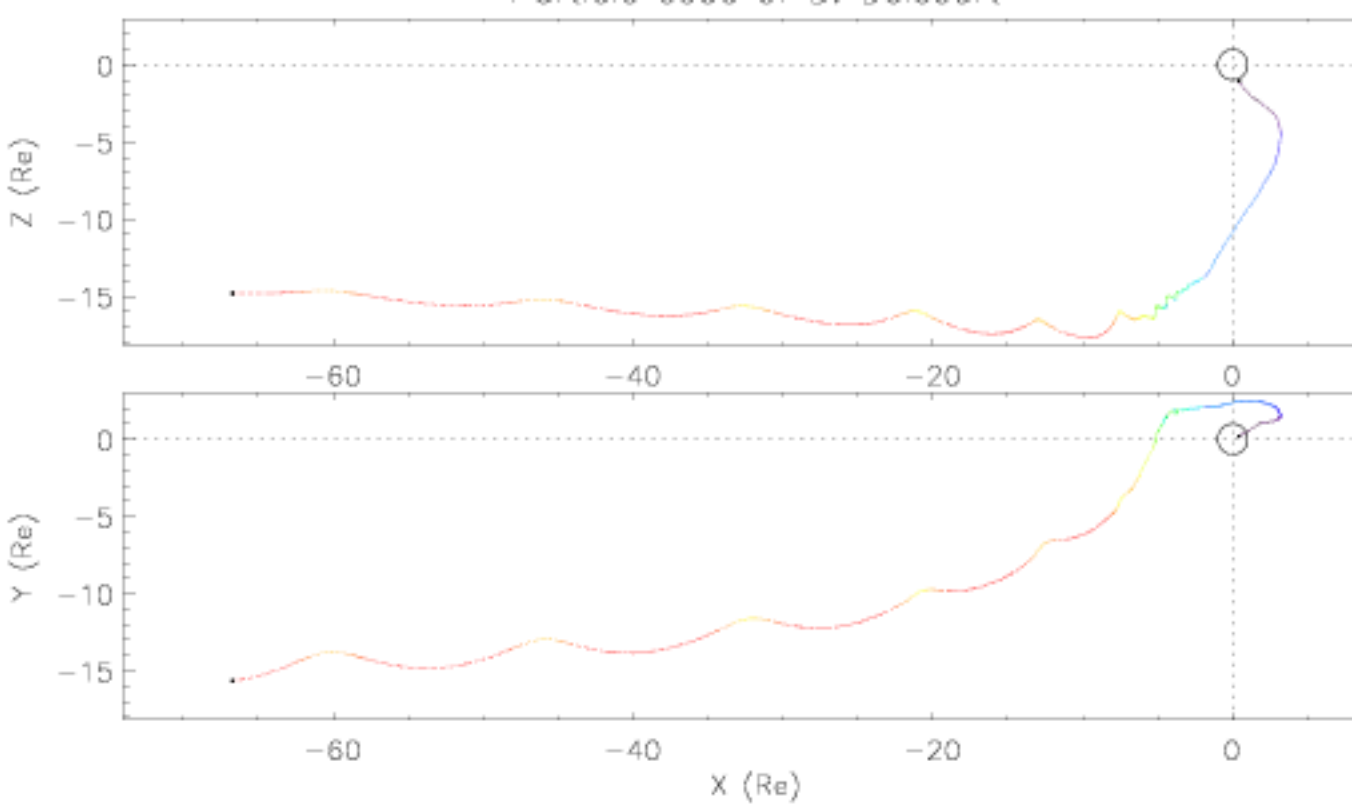

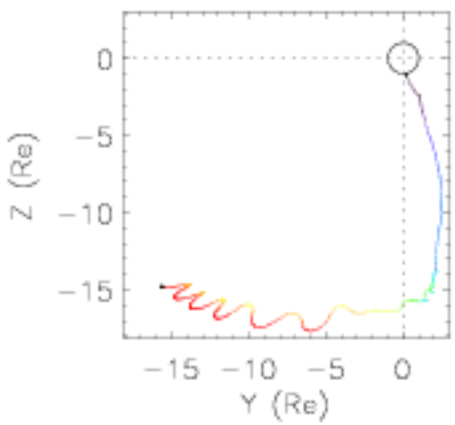

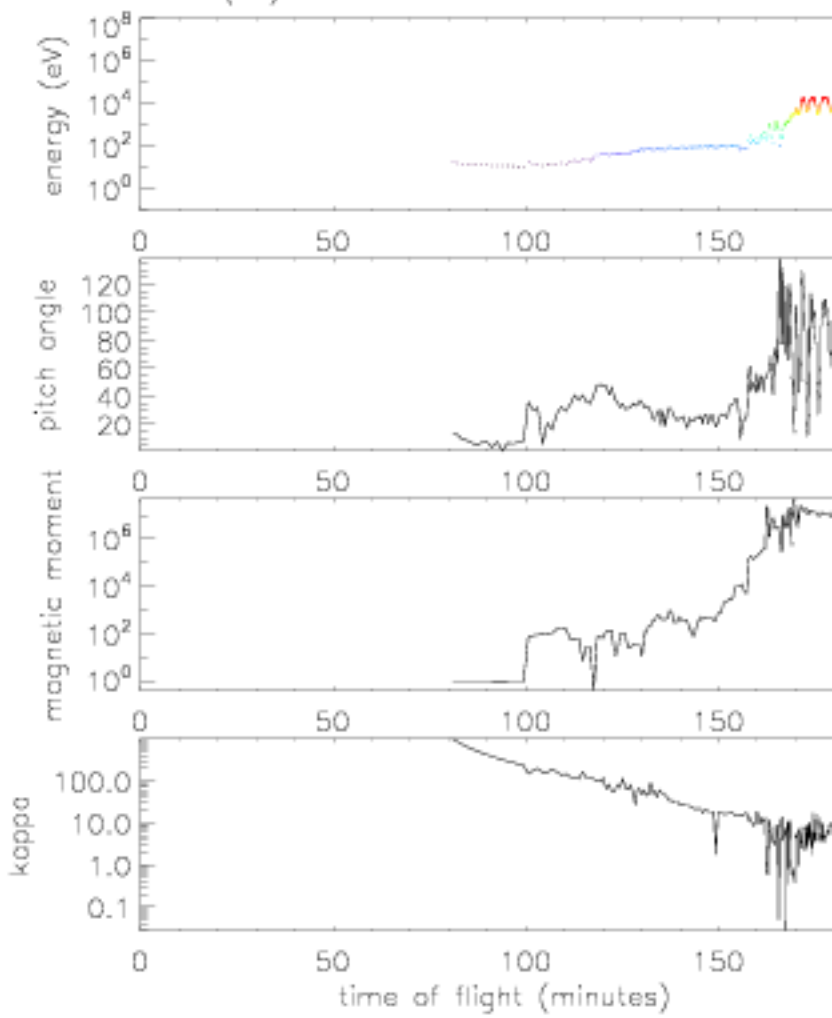

Start, Stop Parameters:

Time (minute): 81.1, 189.3
Magnetic local time: 13.670, 0.880
Magnetic latitude: −67.050, −12.190
Distance (Re): 1.16, 70.11
Energy (eV): 17.54, 21950.00
Pitch angle: 13.710, 90.660
Tilt angle (deg): 0.000

file: particle1006116.full

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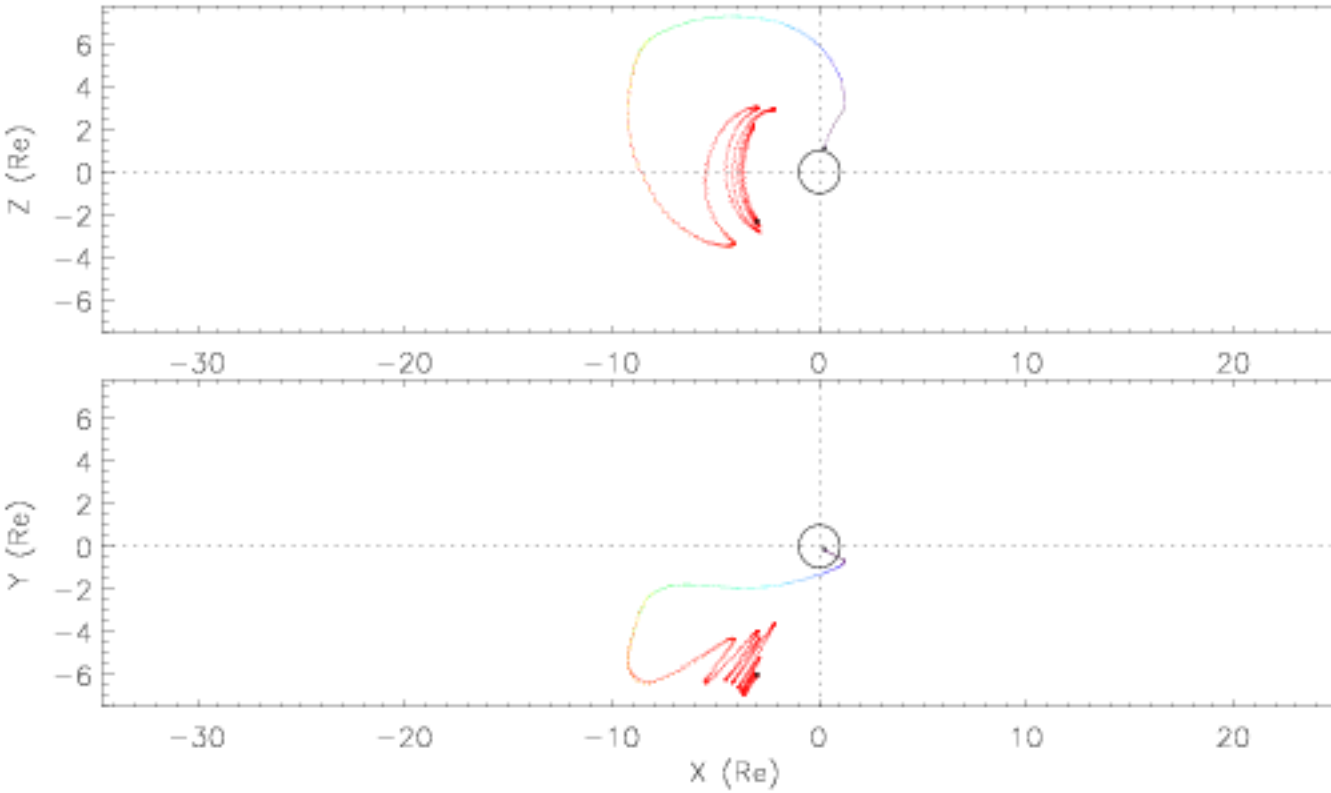

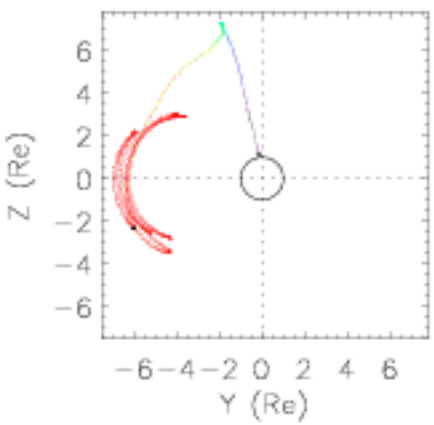

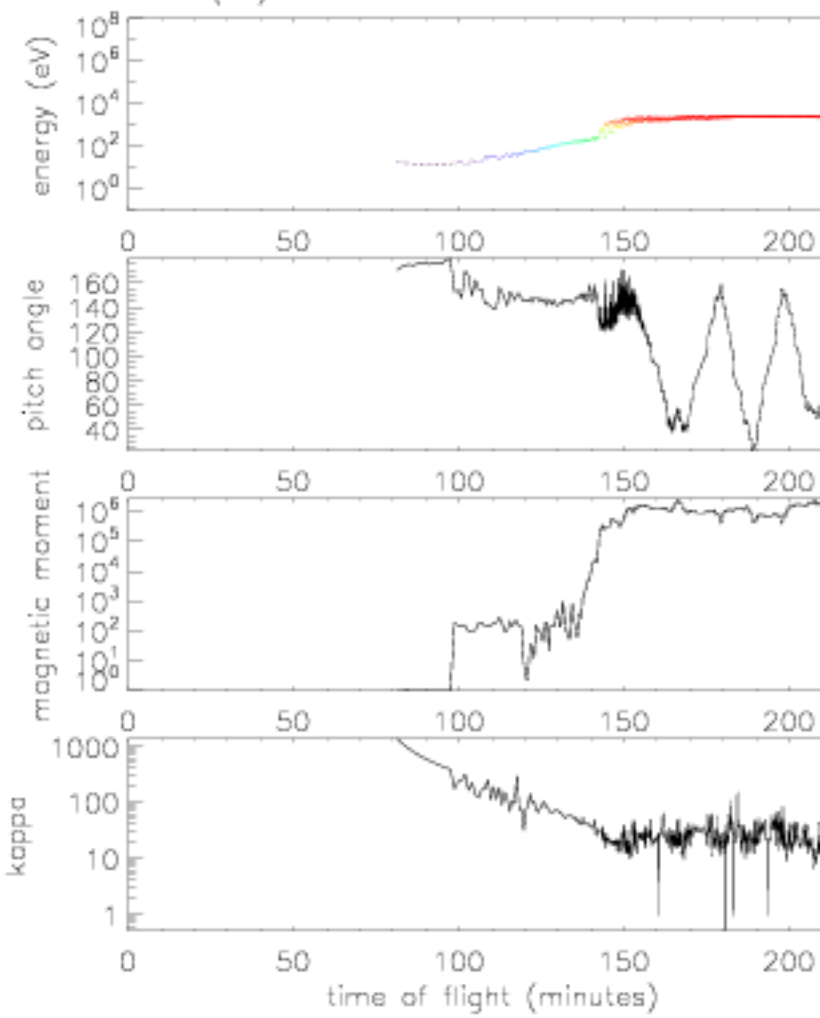

Start, Stop Parameters:

Time (minute): 81.4, 220.8
Magnetic local time: 9.877, 4.225
Magnetic latitude: 75.950,−19.090
Distance (Re): 1.16, 7.10
Energy (eV): 19.20, 2349.00
Pitch angle: 170.800, 96.760
Tilt angle (deg): 0.000

file: particle1006127.full

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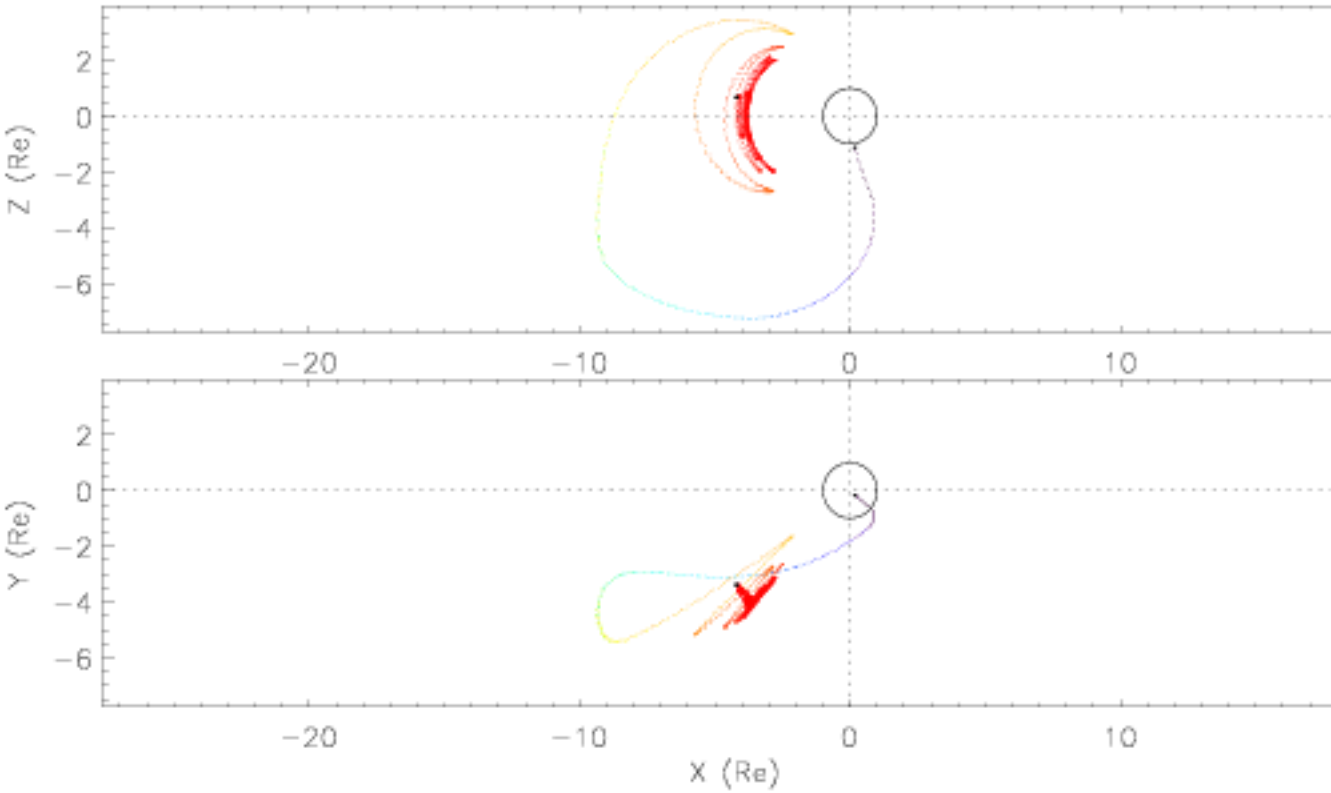

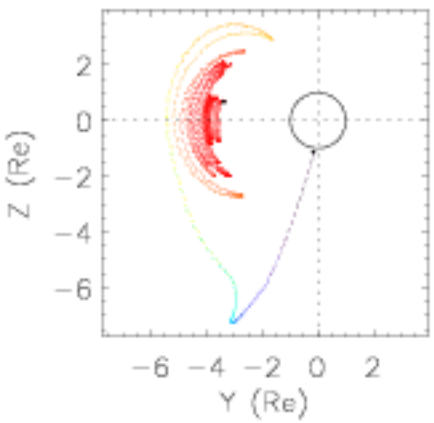

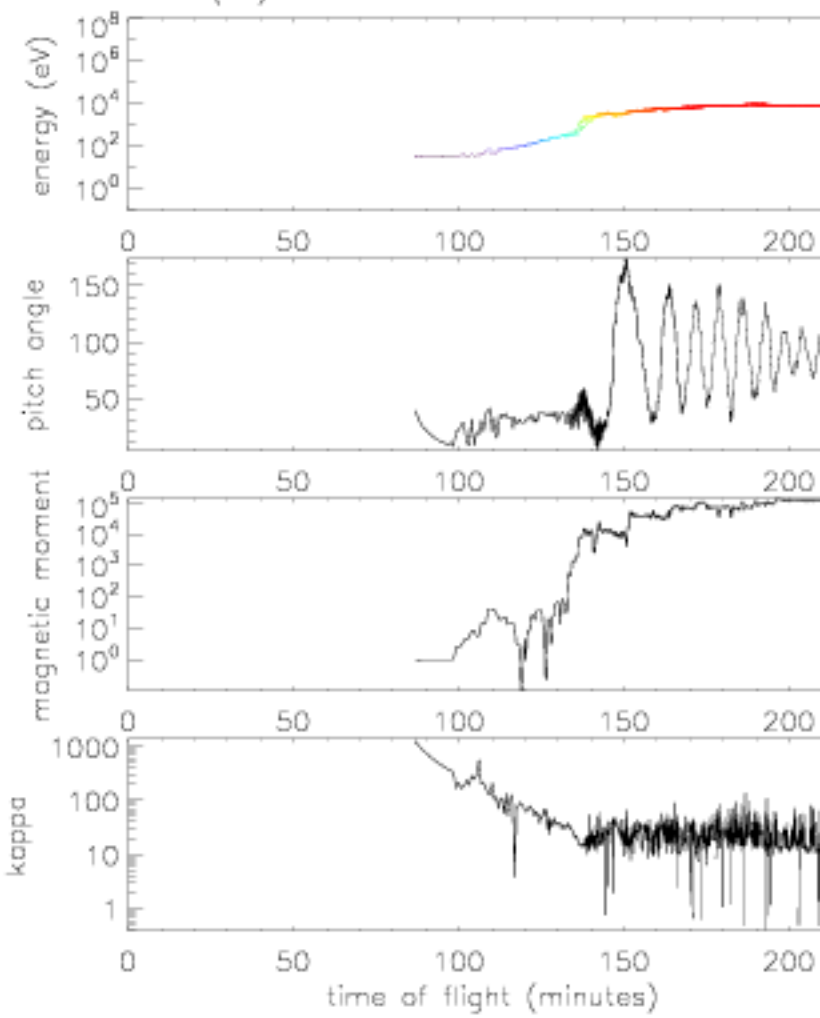

Start, Stop Parameters:

Time (minute): 86.8, 220.8
Magnetic local time: 9.158, 2.596
Magnetic latitude: −77.840, 7.142
Distance (Re): 1.16, 5.44
Energy (eV): 37.96, 8224.00
Pitch angle: 39.090, 96.960
Tilt angle (deg): 0.000

file: particle1006488.full

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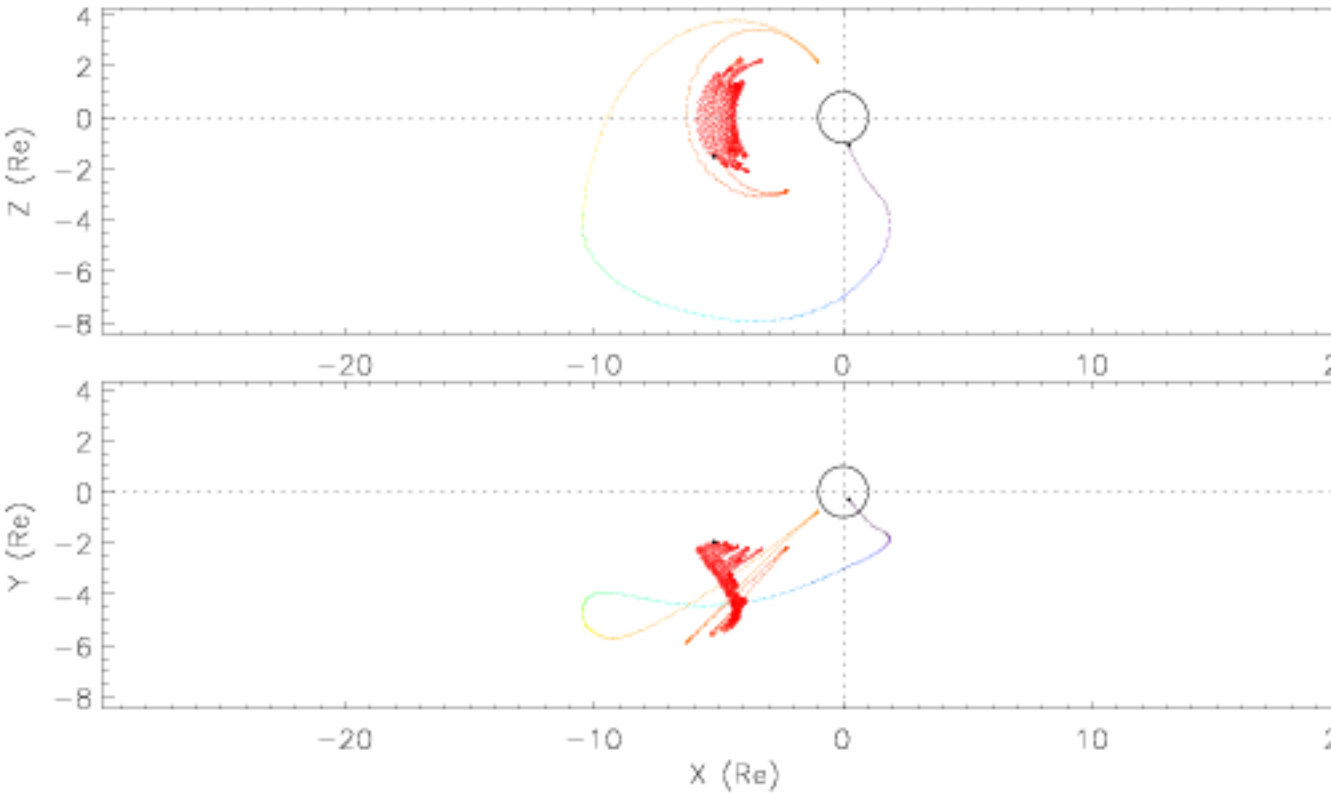

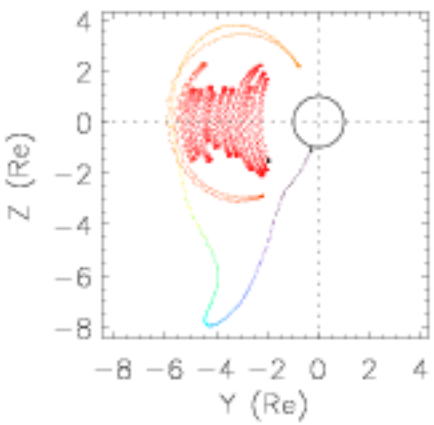

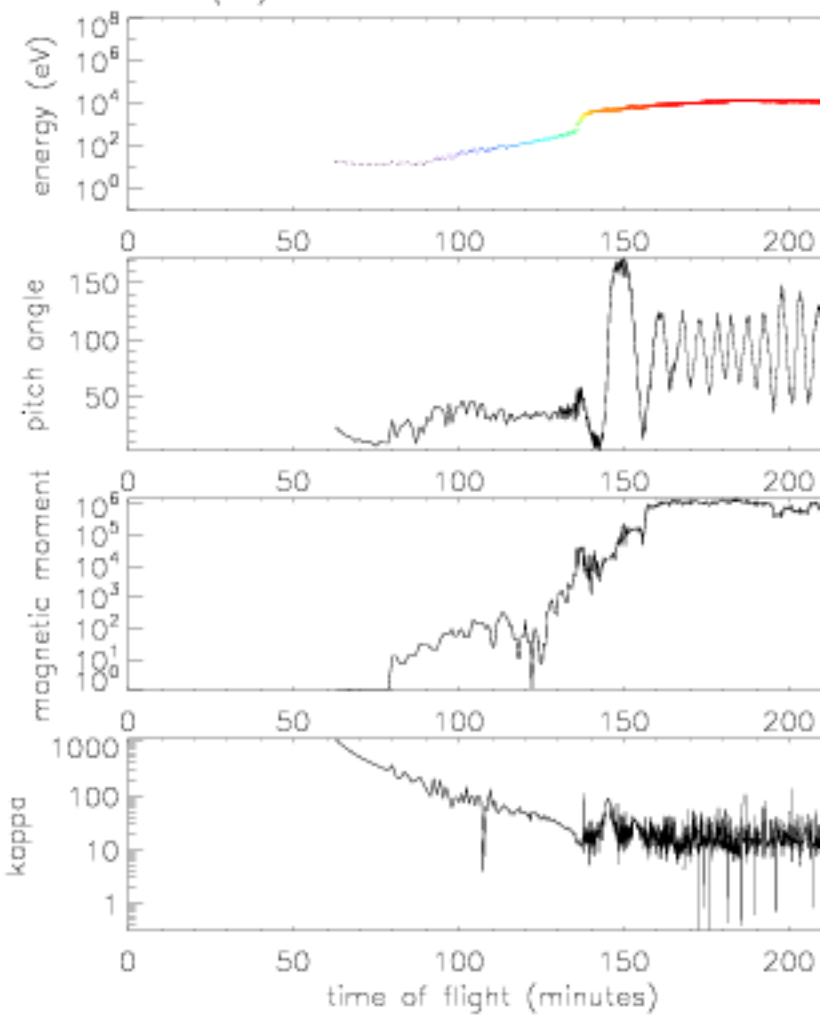

Start, Stop Parameters:

Time (minute): 62.8, 220.8
Magnetic local time: 8.502, 1.387
Magnetic latitude: −70.850, −15.340
Distance (Re): 1.16, 5.74
Energy (eV): 19.73, 12090.00
Pitch angle: 23.110, 119.600
Tilt angle (deg): 0.000

file: particle1006846.full

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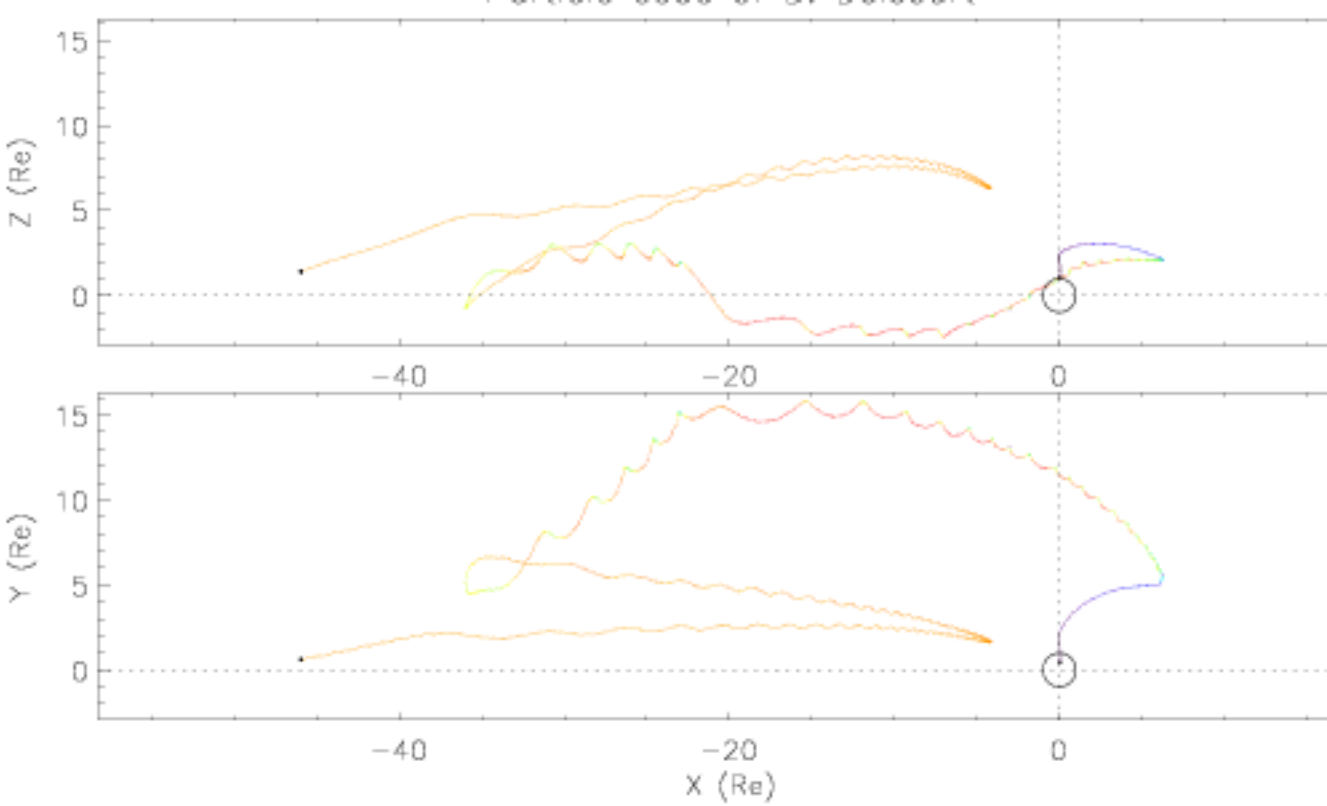

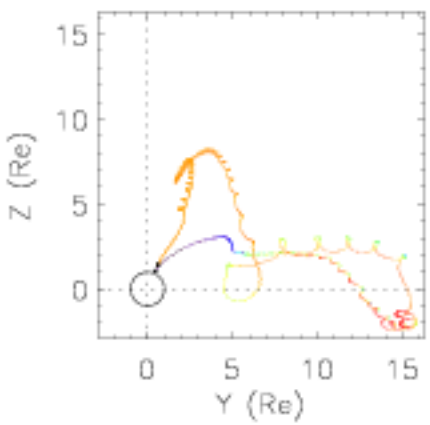

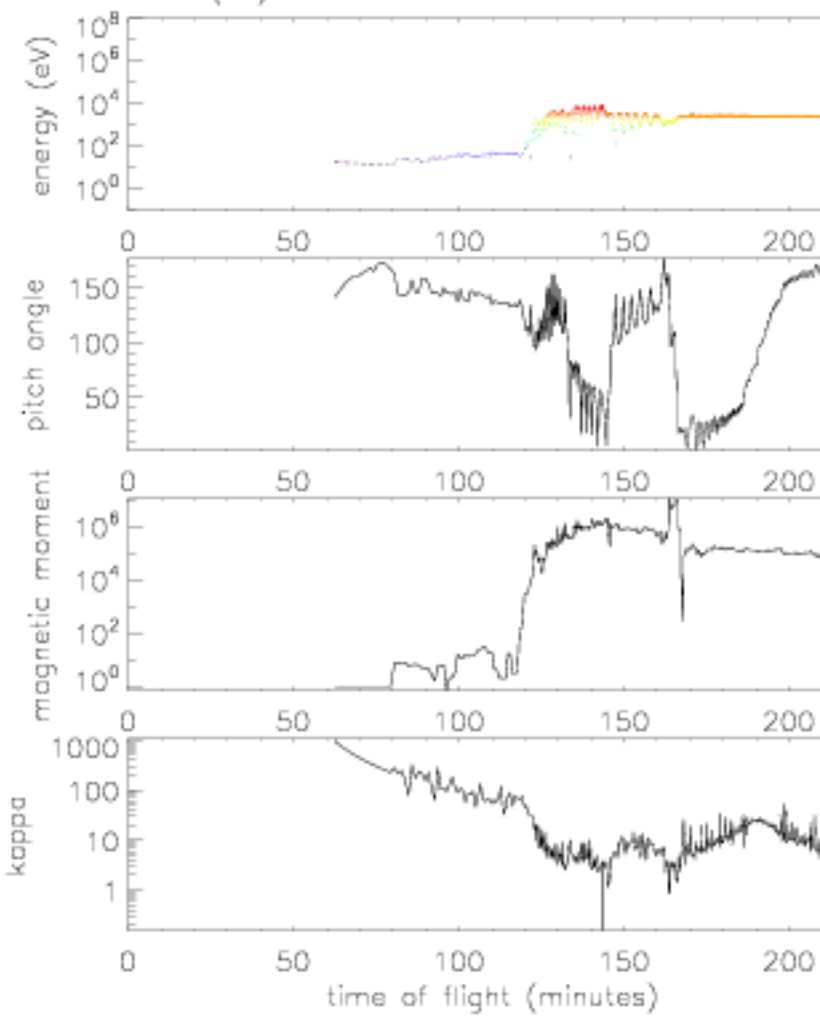

Start, Stop Parameters:

Time (minute): 62.5, 220.8
Magnetic local time: 17.760, 23.950
Magnetic latitude: 66.500, 1.768
Distance (Re): 1.16, 45.98
Energy (eV): 20.00, 2646.00
Pitch angle: 140.800, 168.300
Tilt angle (deg): 0.000

file: particle1007237.full

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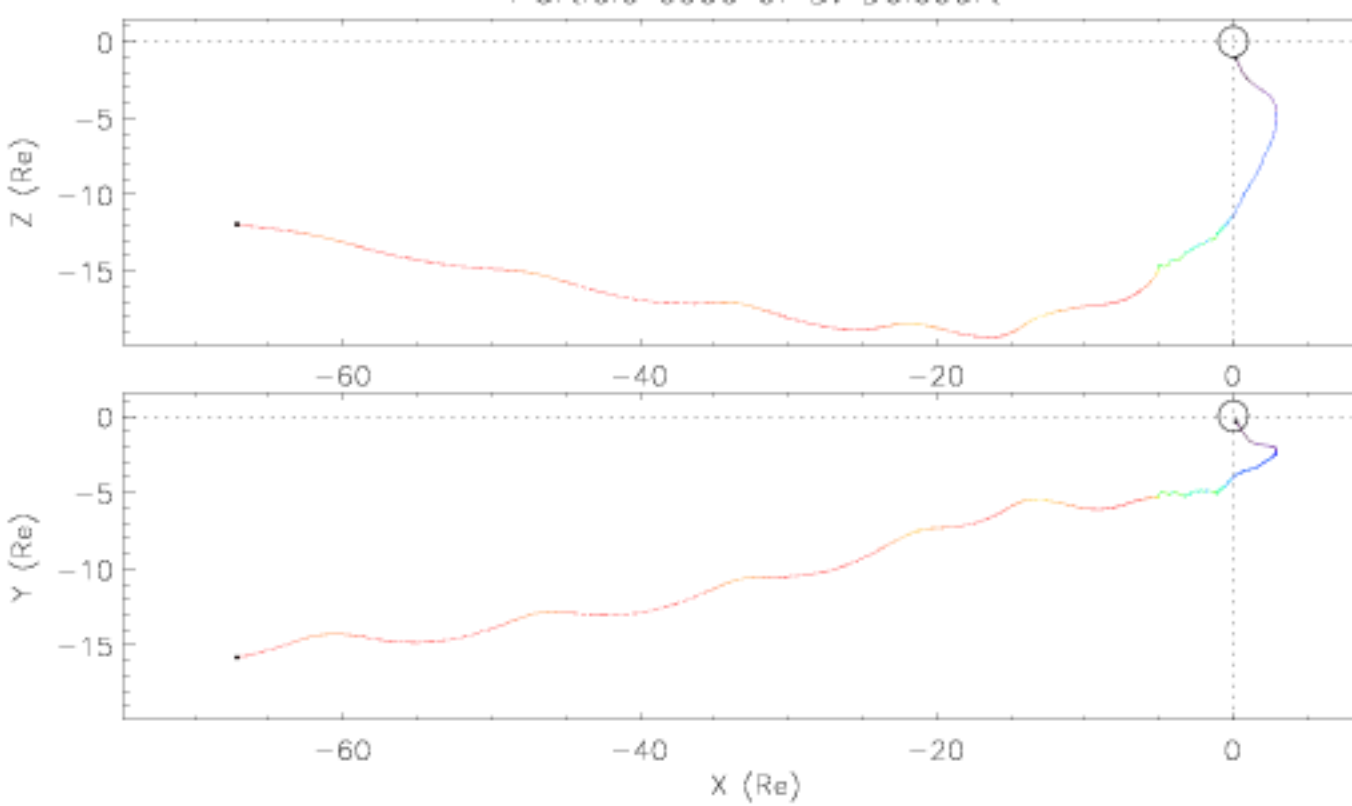

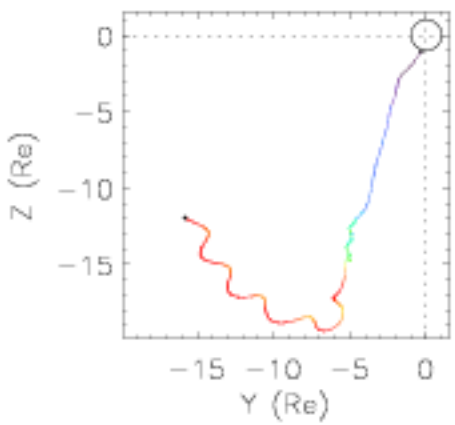

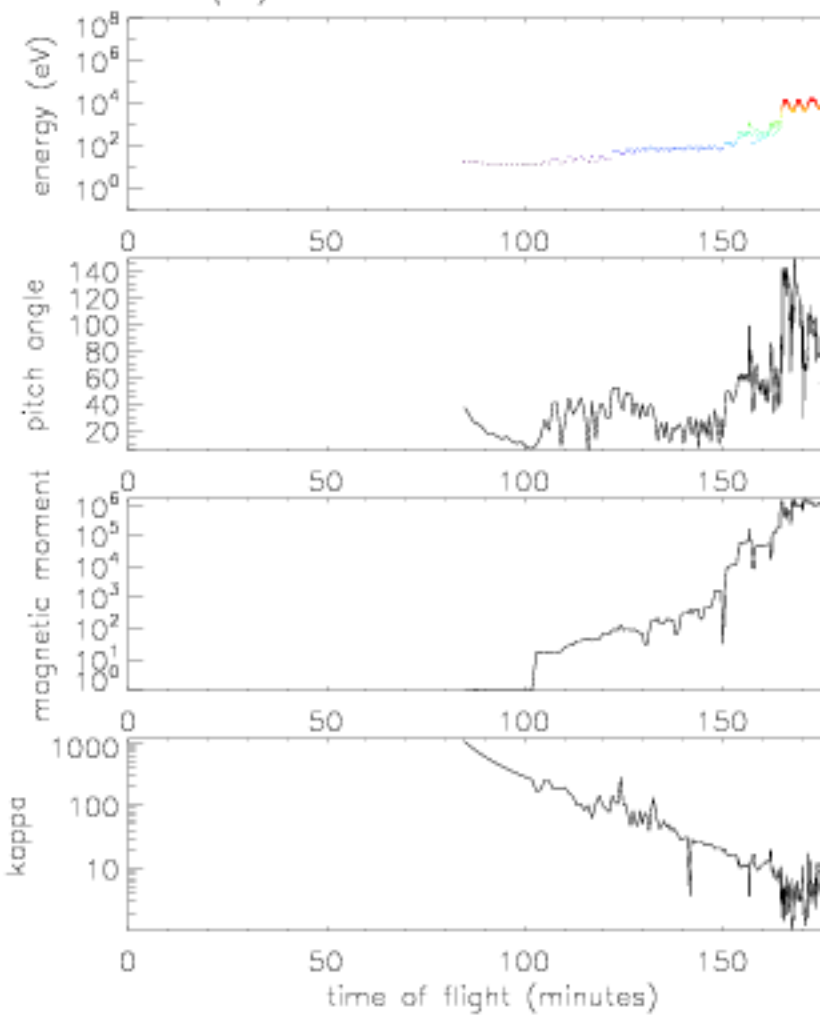

Start, Stop Parameters:

Time (minute): 84.9, 184.3
Magnetic local time: 7.954, 0.882
Magnetic latitude: −68.790, −9.828
Distance (Re): 1.16, 70.01
Energy (eV): 19.71, 18880.00
Pitch angle: 36.460, 82.520
Tilt angle (deg): 0.000

file: particle1007506.full

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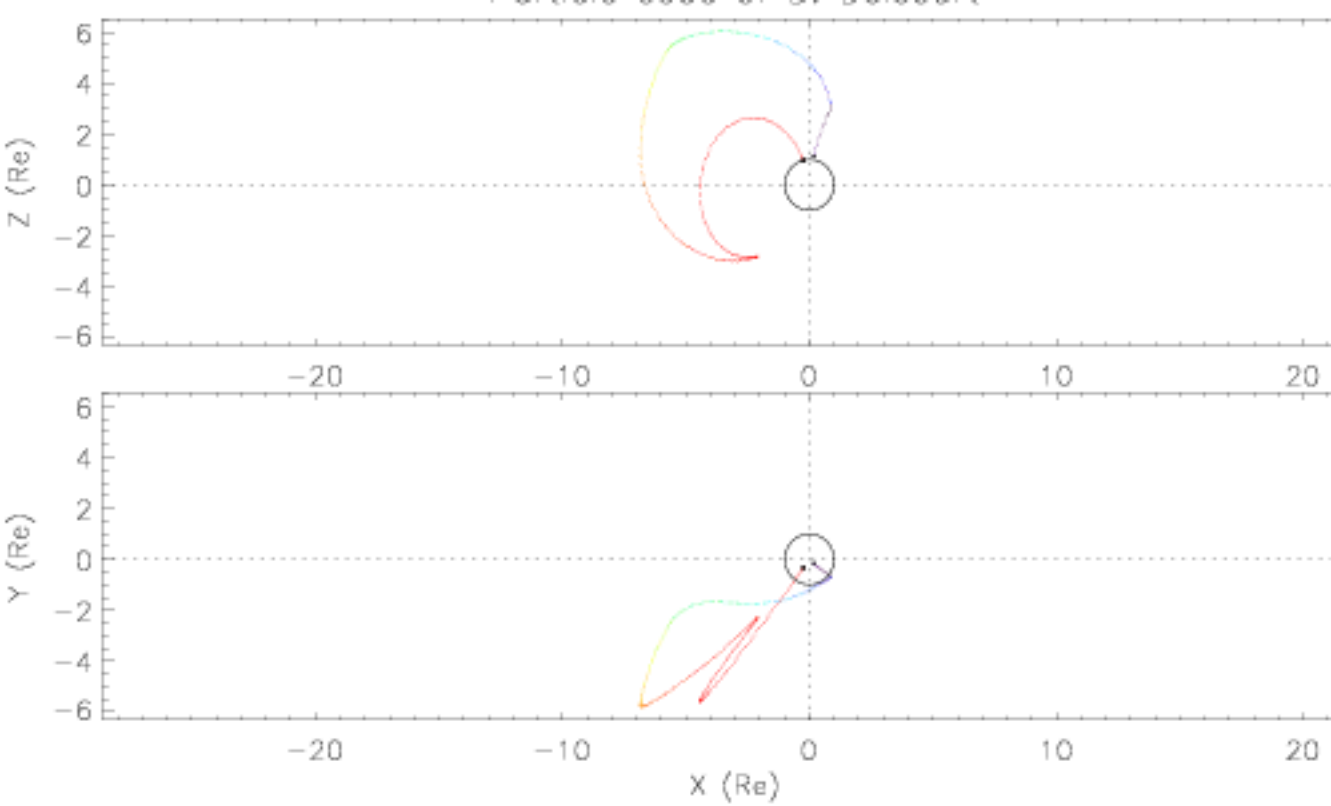

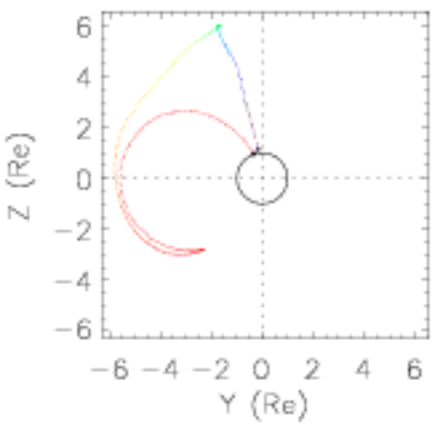

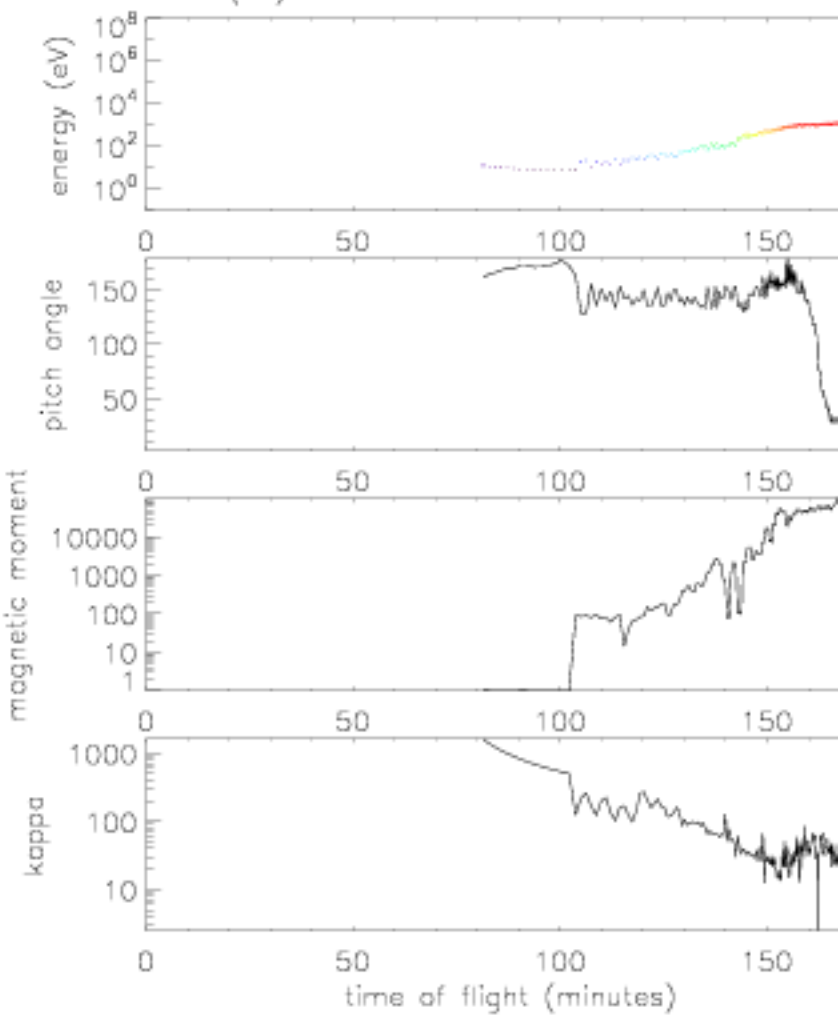

Start, Stop Parameters:

Time (minute): 81.4, 176.3
Magnetic local time: 9.170, 3.605
Magnetic latitude: 78.120, 66.910
Distance (Re): 1.16, 1.05
Energy (eV): 13.10, 1399.00
Pitch angle: 162.000, 68.730
Tilt angle (deg): 0.000

file: particle1007633.full

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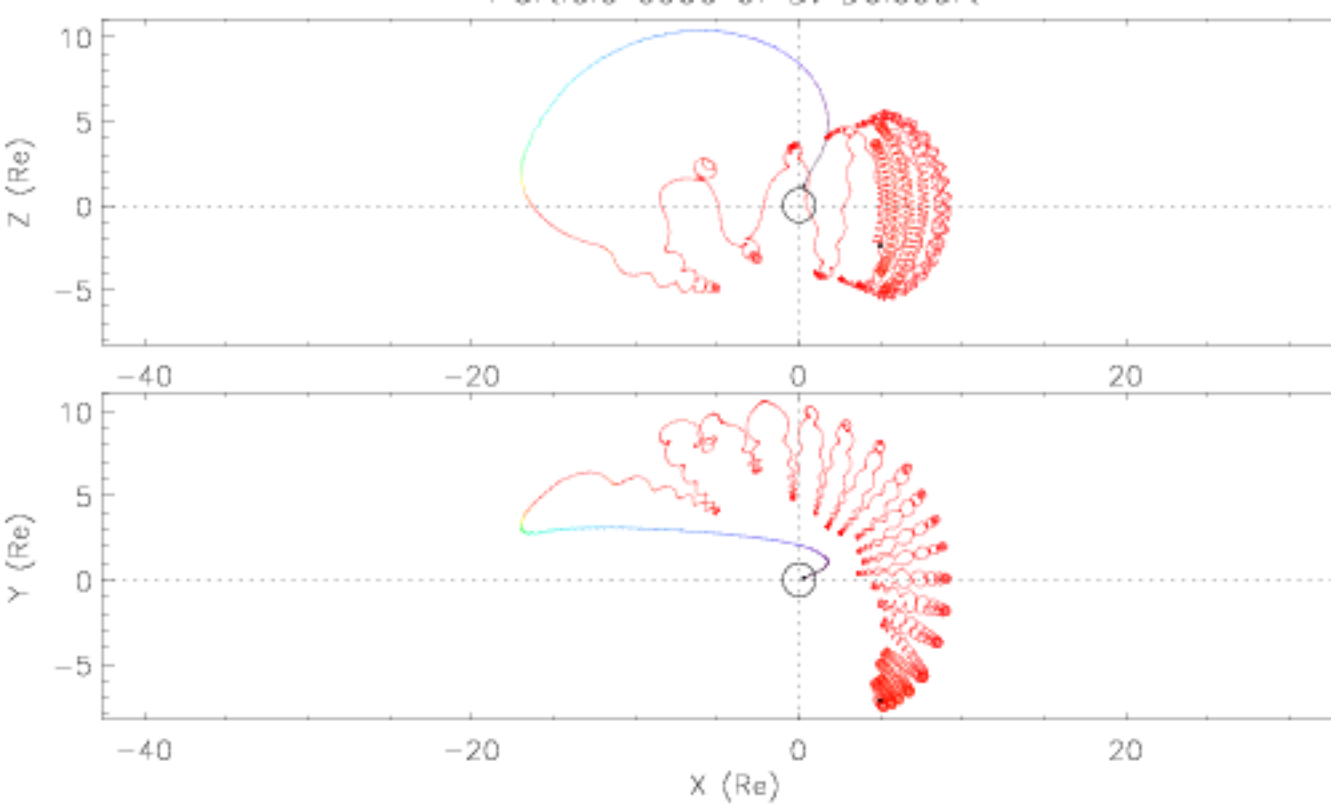

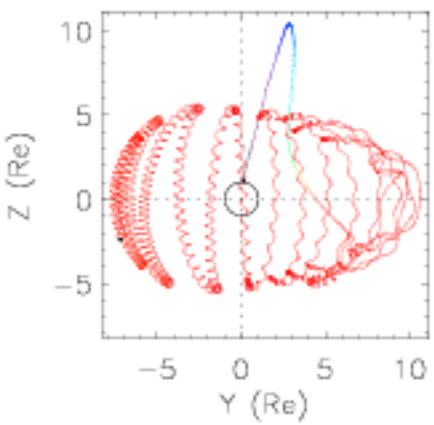

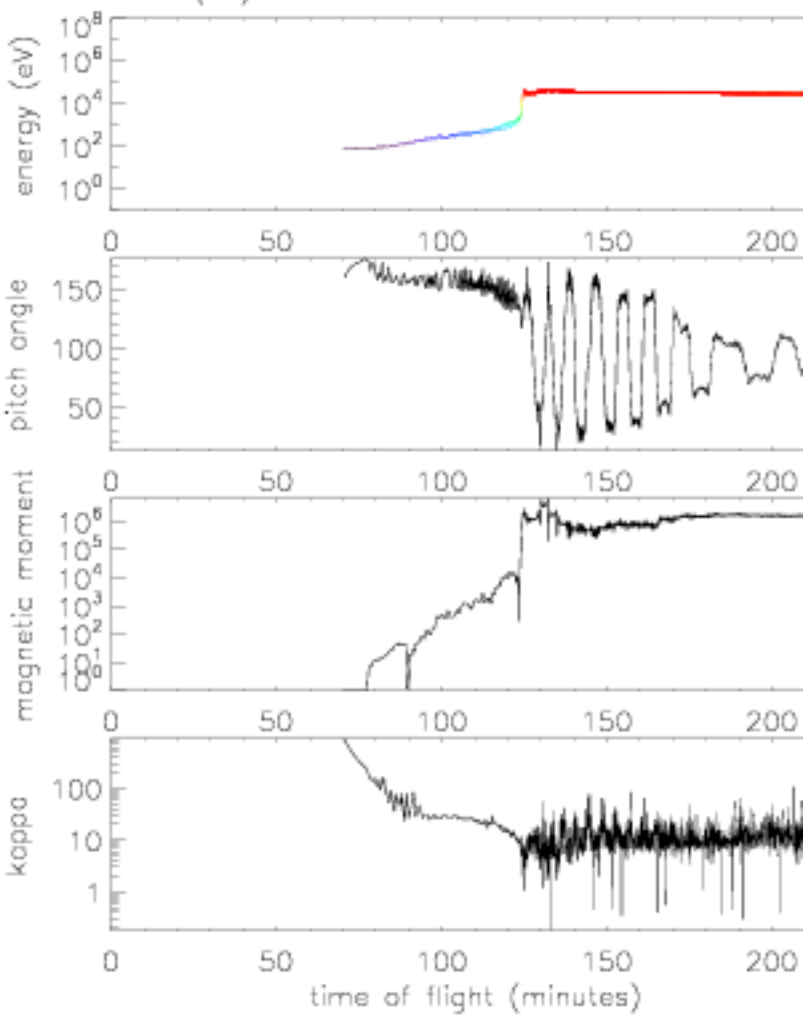

Start, Stop Parameters:

Time (minute): 70.5, 220.8
Magnetic local time: 13.410, 8.312
Magnetic latitude: 75.030,−15.390
Distance (Re): 1.16, 9.04
Energy (eV): 89.11, 30430.00
Pitch angle: 159.600, 100.600
Tilt angle (deg): 0.000

file: particle1007767.full

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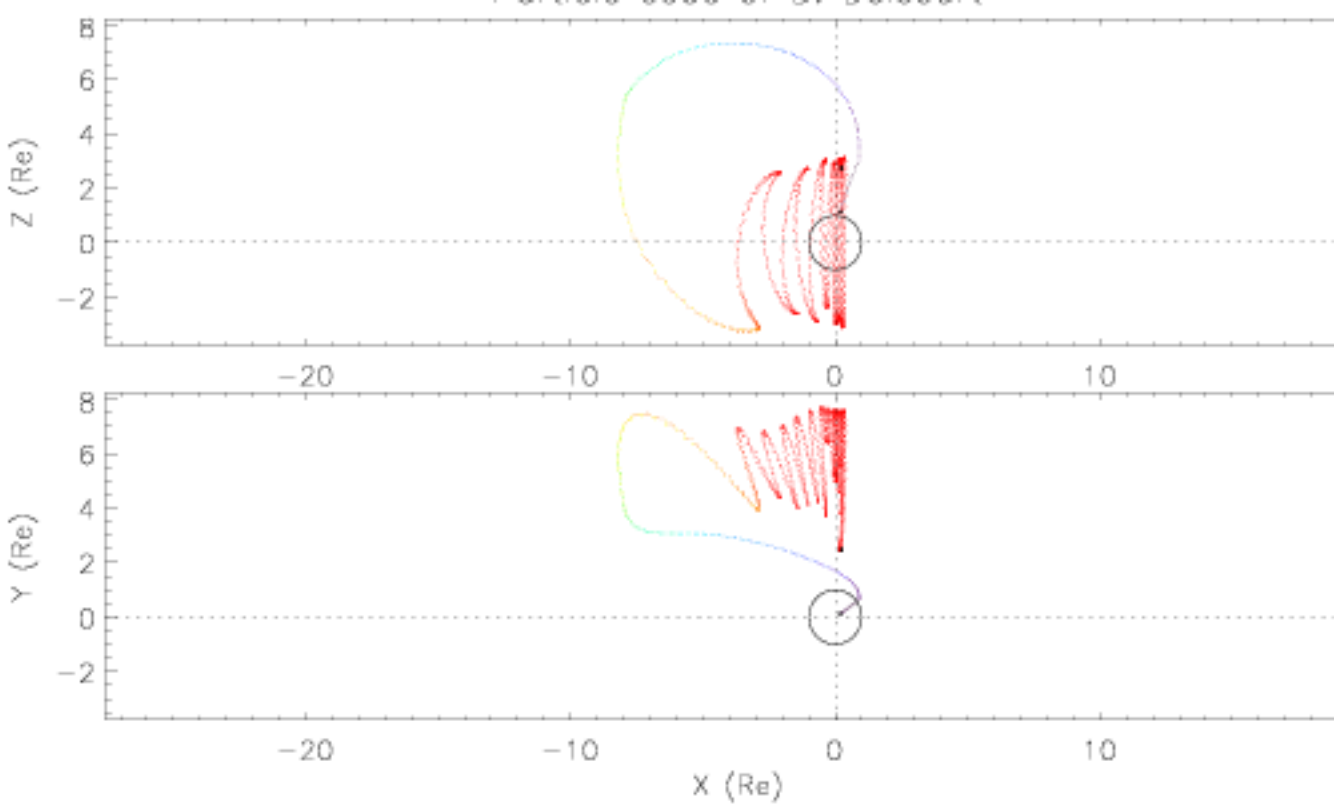

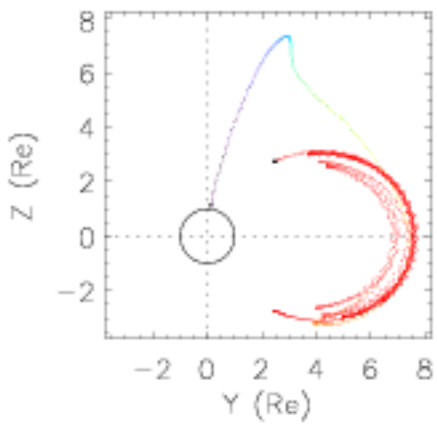

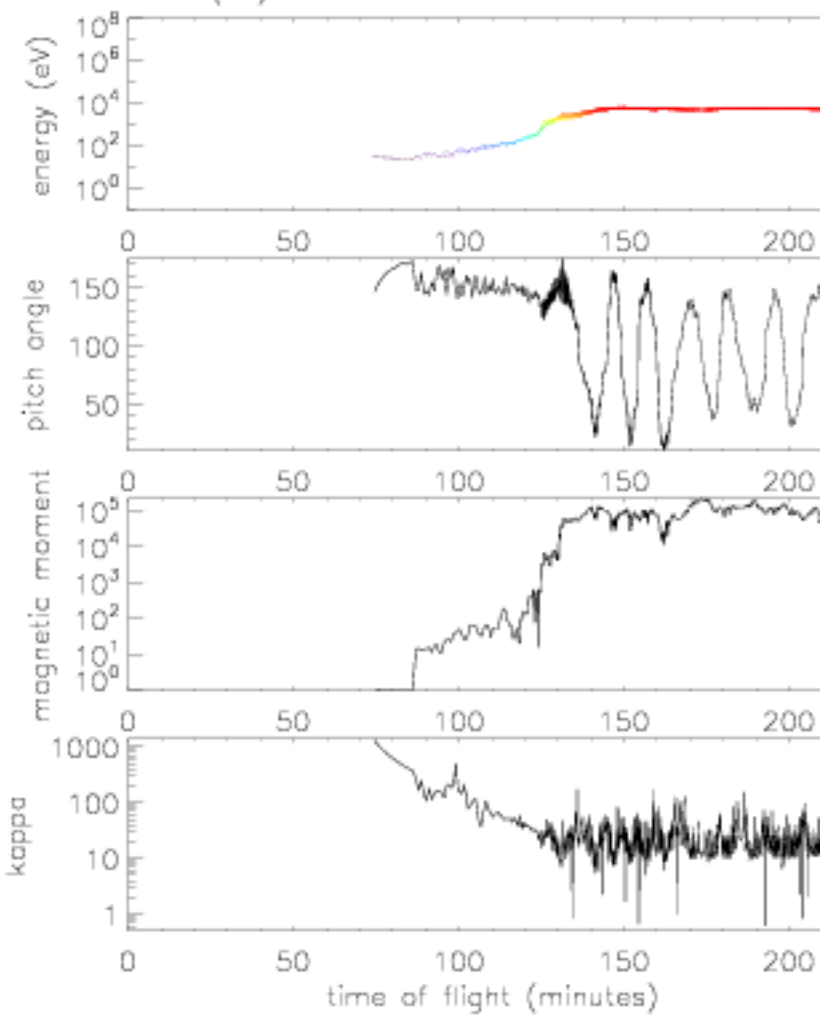

Start, Stop Parameters:

Time (minute): 74.4, 220.8
Magnetic local time: 14.170, 17.630
Magnetic latitude: 78.170, 47.790
Distance (Re): 1.16, 3.69
Energy (eV): 33.10, 5412.00
Pitch angle: 146.700, 69.780
Tilt angle (deg): 0.000

file: particle1007815.full

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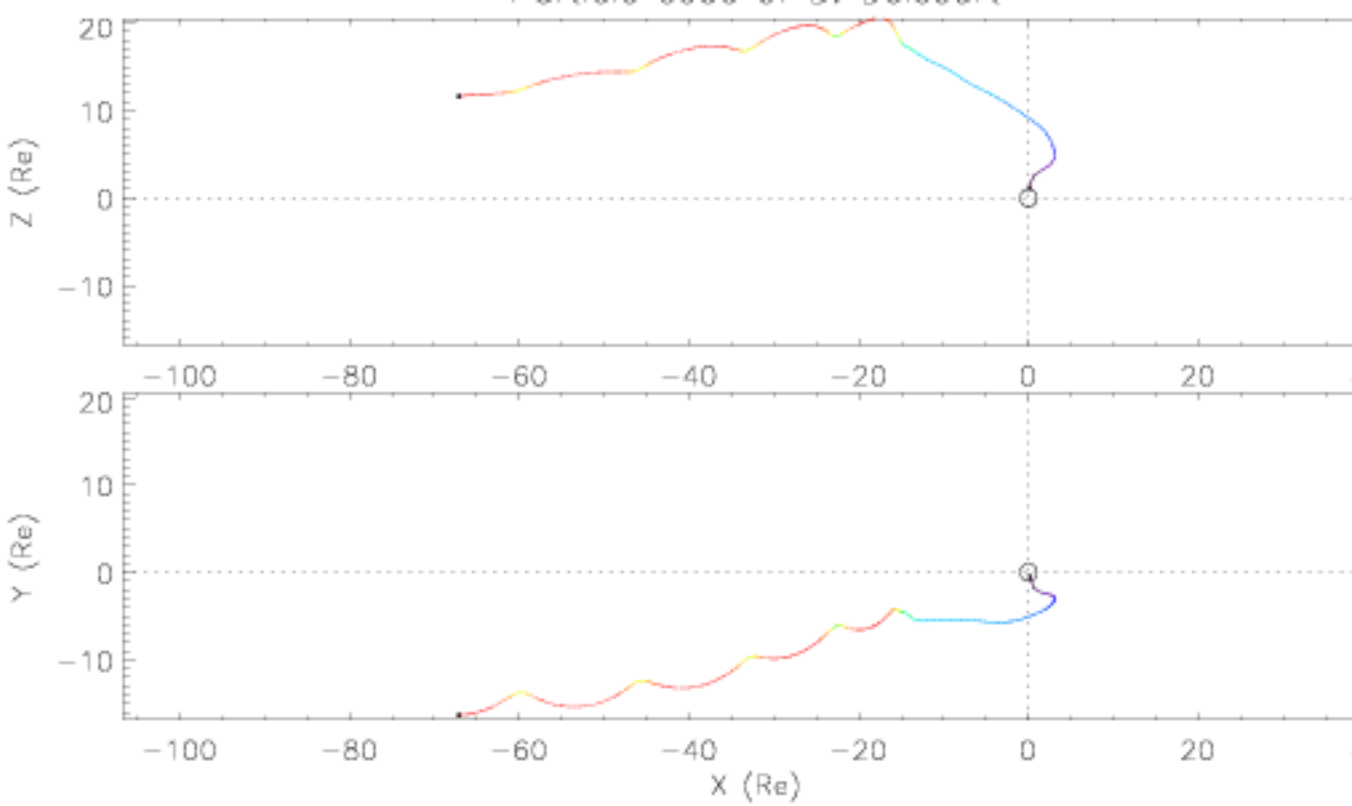

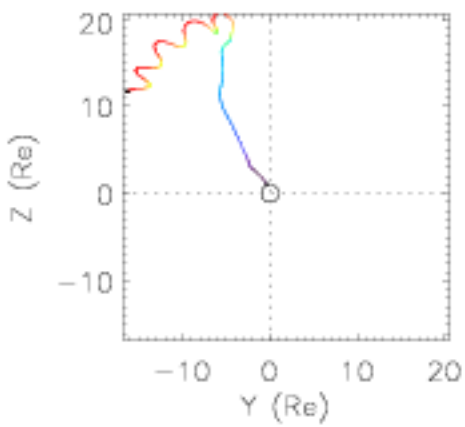

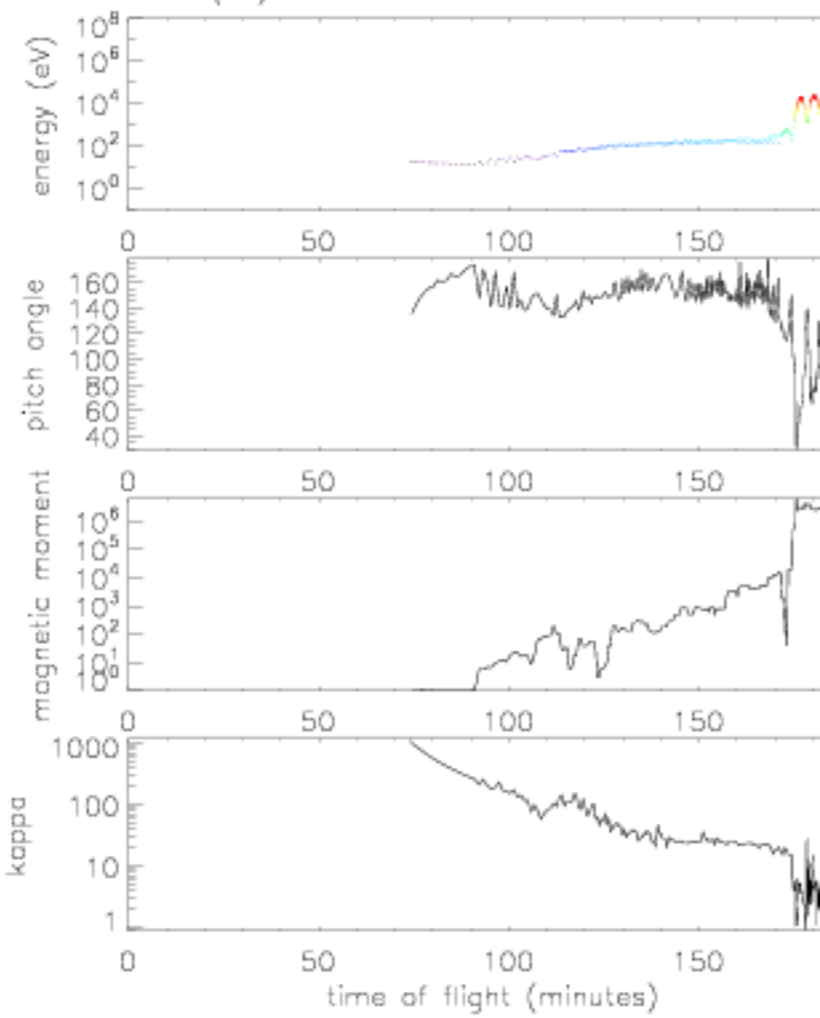

Start, Stop Parameters:

Time (minute): 74.5, 192.0
Magnetic local time: 7.012, 0.912
Magnetic latitude: 69.080, 9.565
Distance (Re): 1.16, 70.04
Energy (eV): 20.46, 27680.00
Pitch angle: 136.200, 95.310
Tilt angle (deg): 0.000

file: particle1007861.full

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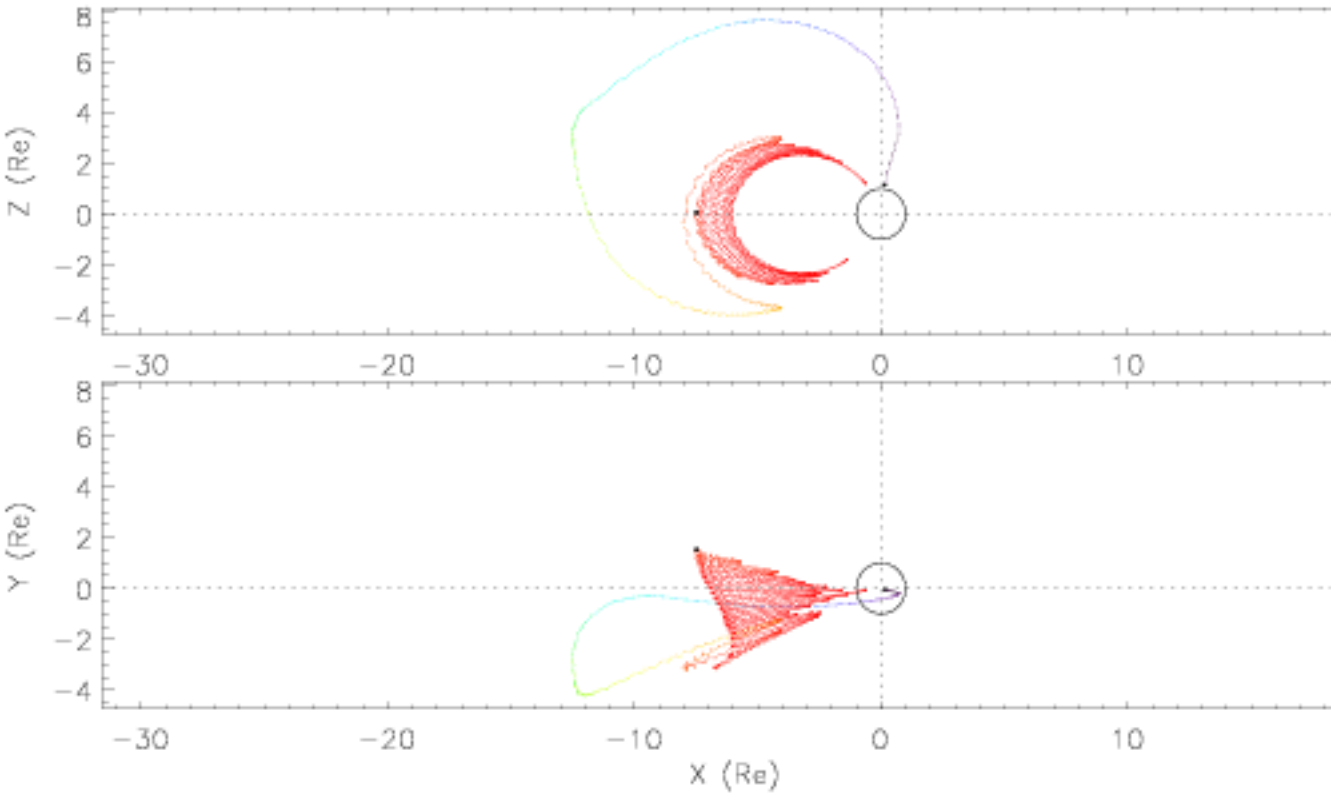

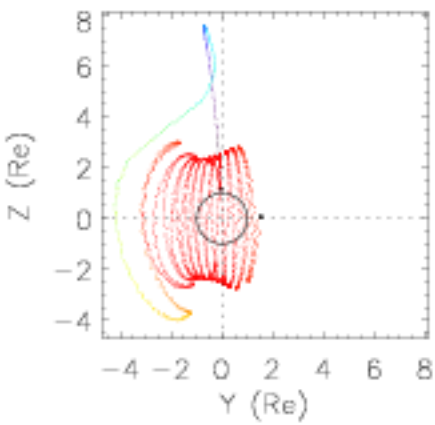

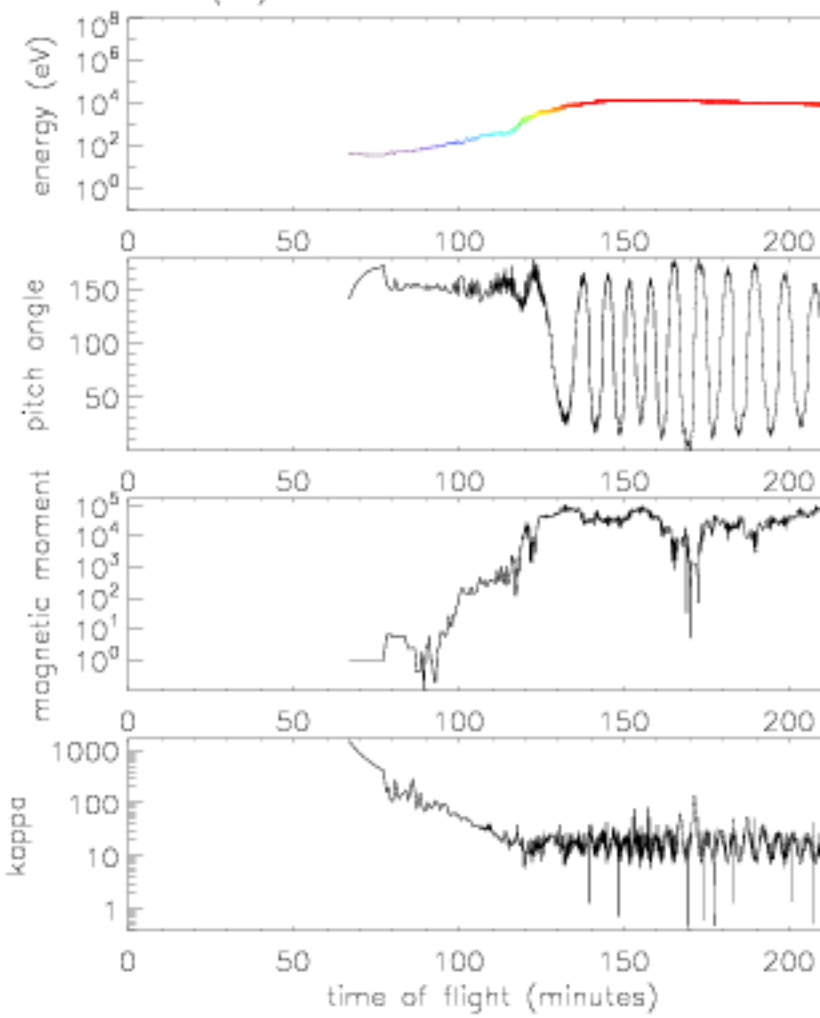

Start, Stop Parameters:

Time (minute): 66.8, 220.8
Magnetic local time: 10.950, 23.230
Magnetic latitude: 82.090, 0.454
Distance (Re): 1.16, 7.62
Energy (eV): 45.47, 8688.00
Pitch angle: 141.000, 41.020
Tilt angle (deg): 0.000

file: particle1007947.full

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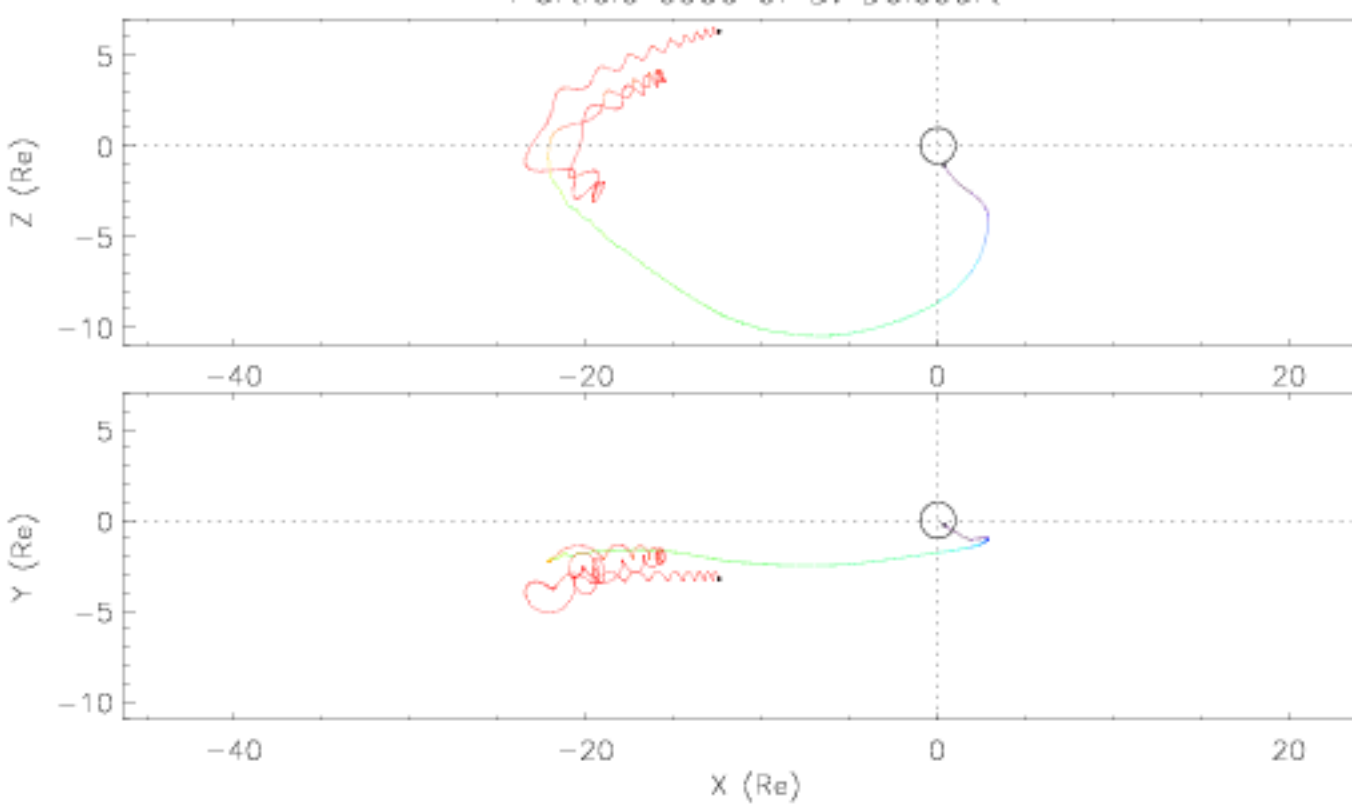

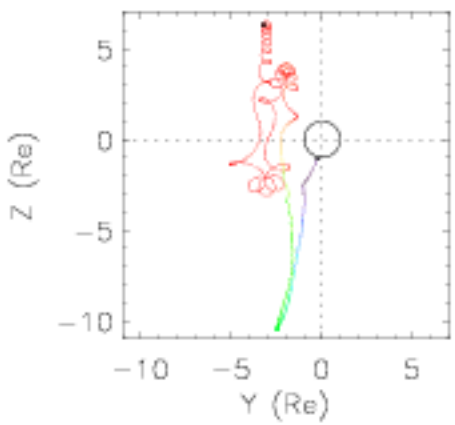

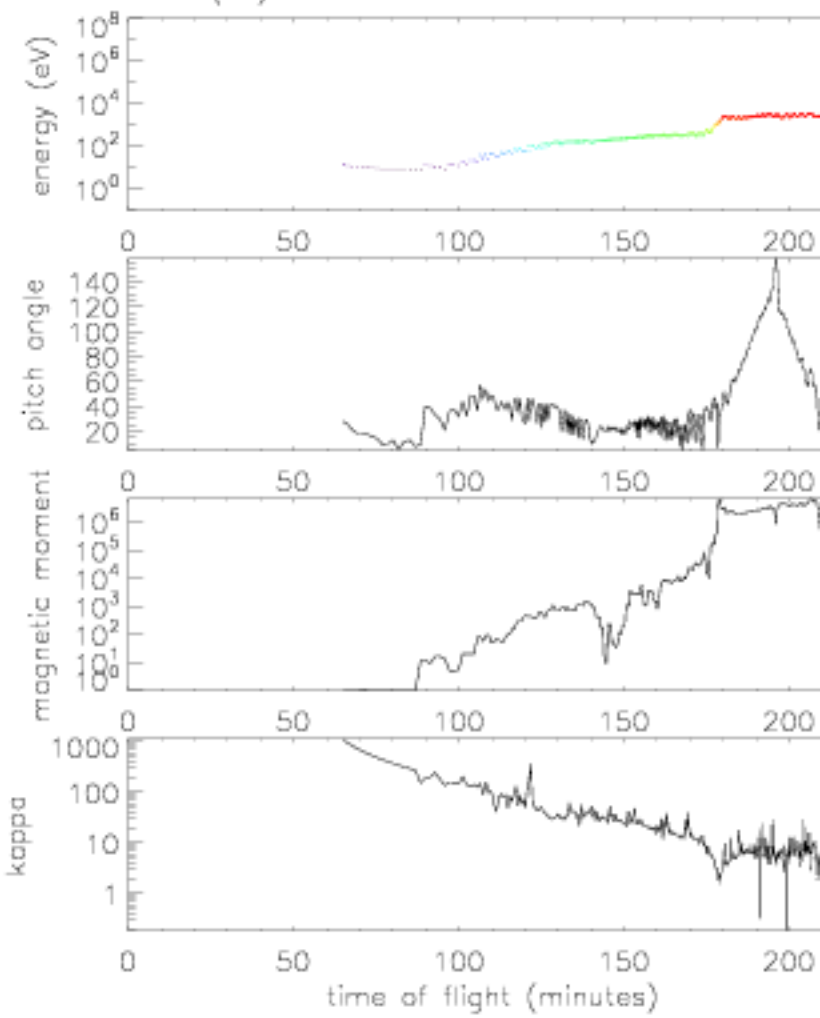

Start, Stop Parameters:

Time (minute): 65.0, 220.8
Magnetic local time: 9.578, 0.972
Magnetic latitude: −67.680, 26.160
Distance (Re): 1.16, 14.33
Energy (eV): 13.55, 2846.00
Pitch angle: 28.160, 77.300
Tilt angle (deg): 0.000

file: particle1008204.full

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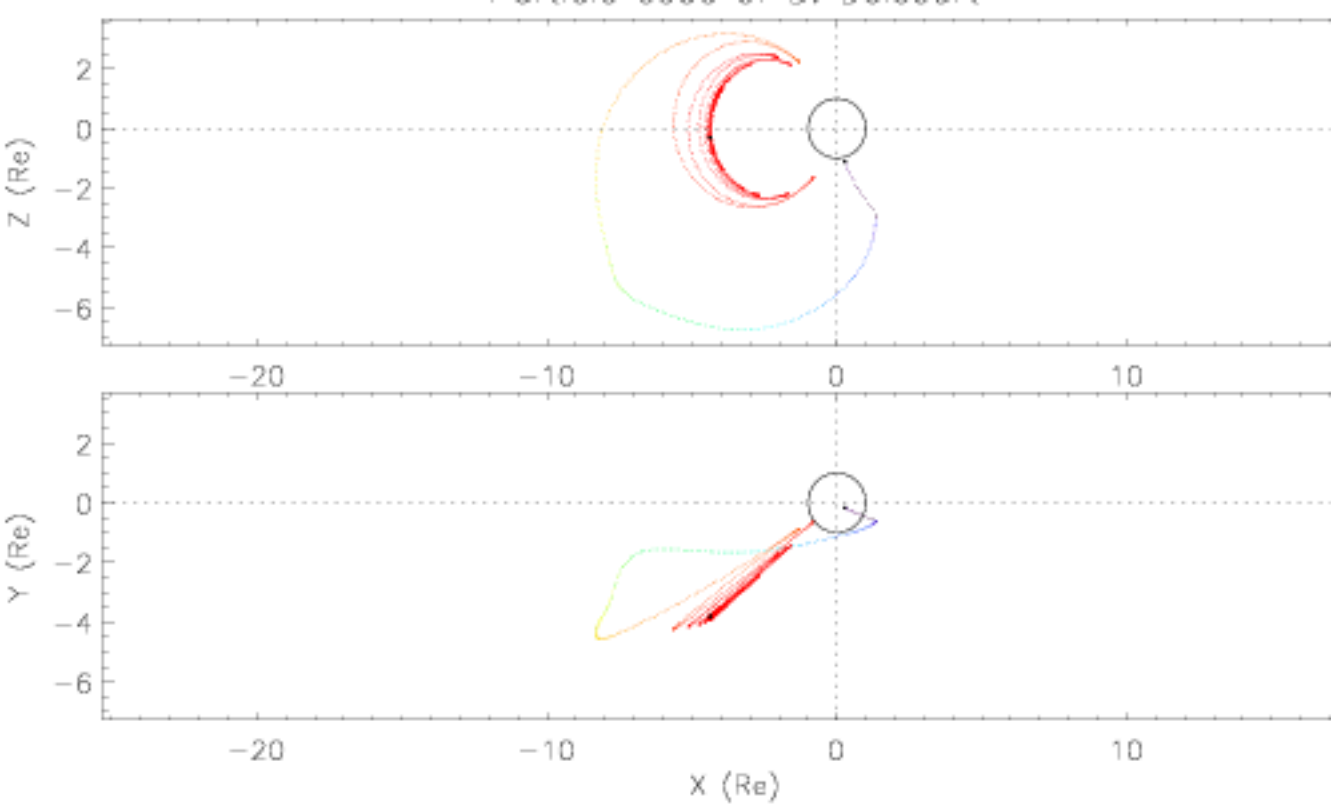

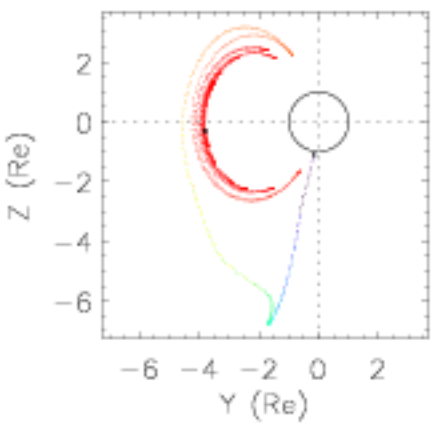

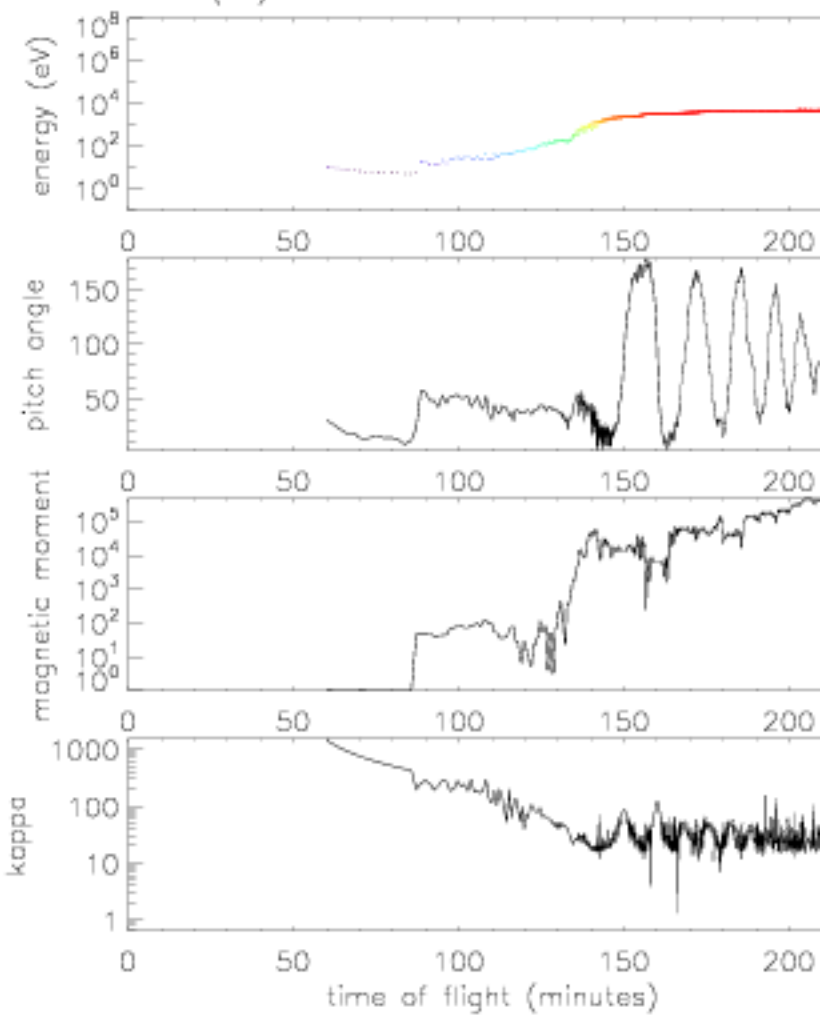

Start, Stop Parameters:

Time (minute): 60.1, 220.8
Magnetic local time: 9.968, 2.741
Magnetic latitude: −74.160, −3.035
Distance (Re): 1.16, 5.80
Energy (eV): 11.04, 5306.00
Pitch angle: 30.140, 118.700
Tilt angle (deg): 0.000

file: particle1008302.full

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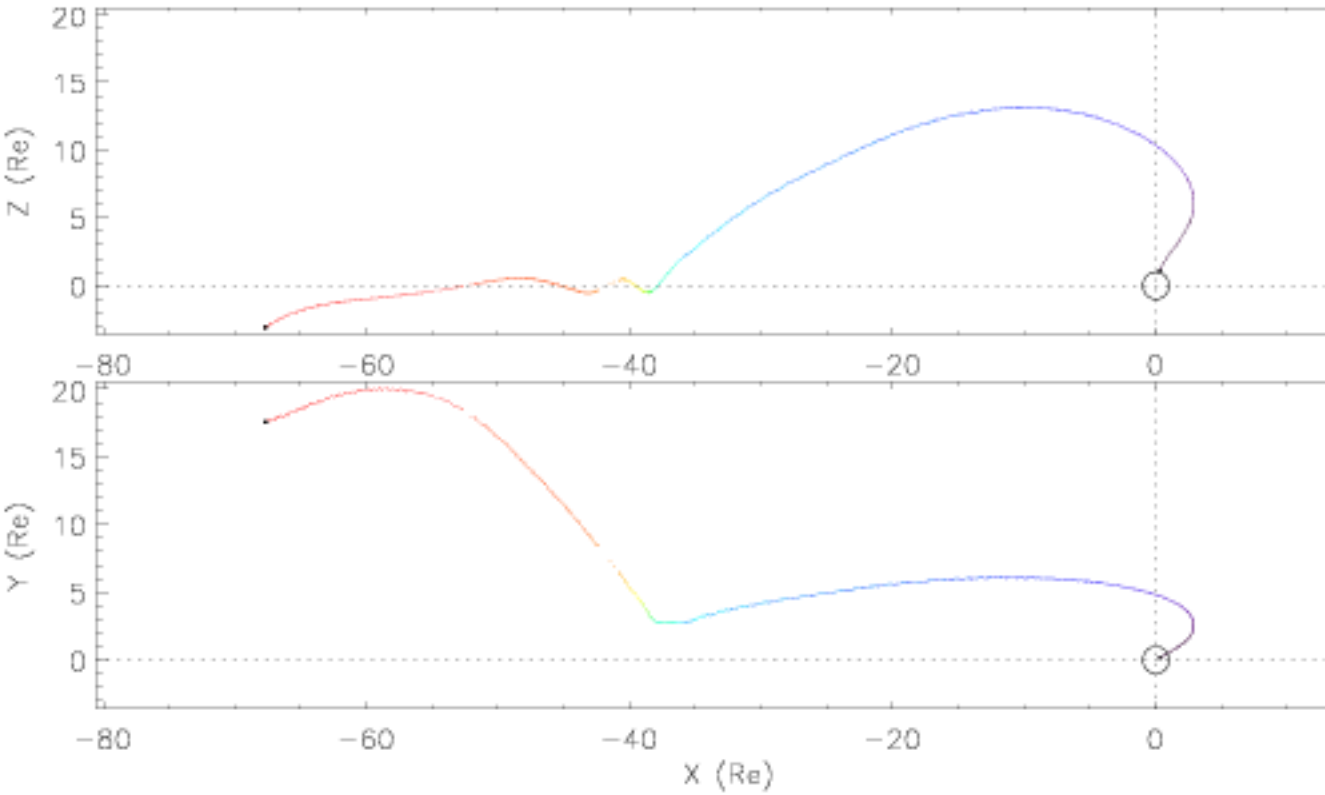

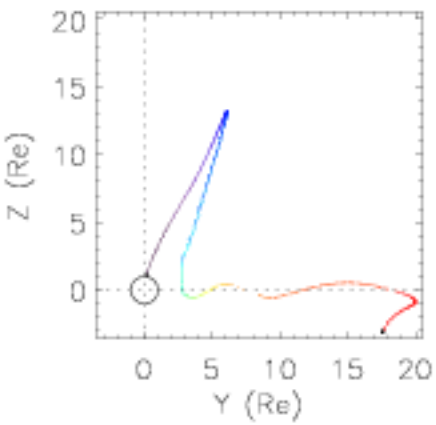

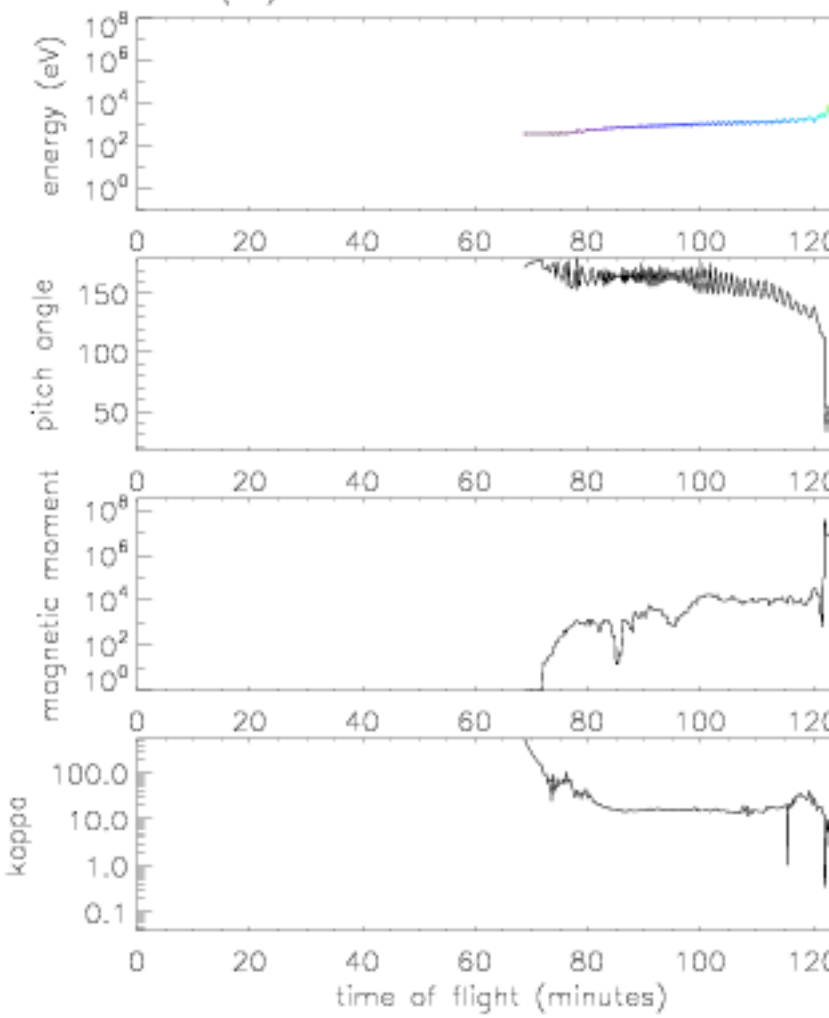

Start, Stop Parameters:

Time (minute): 68.8, 129.6
Magnetic local time: 13.940, 23.030
Magnetic latitude: 72.560, −2.524
Distance (Re): 1.16, 70.00
Energy (eV): 402.20, 32290.00
Pitch angle: 172.000, 16.650
Tilt angle (deg): 0.000

file: particle1008359.full

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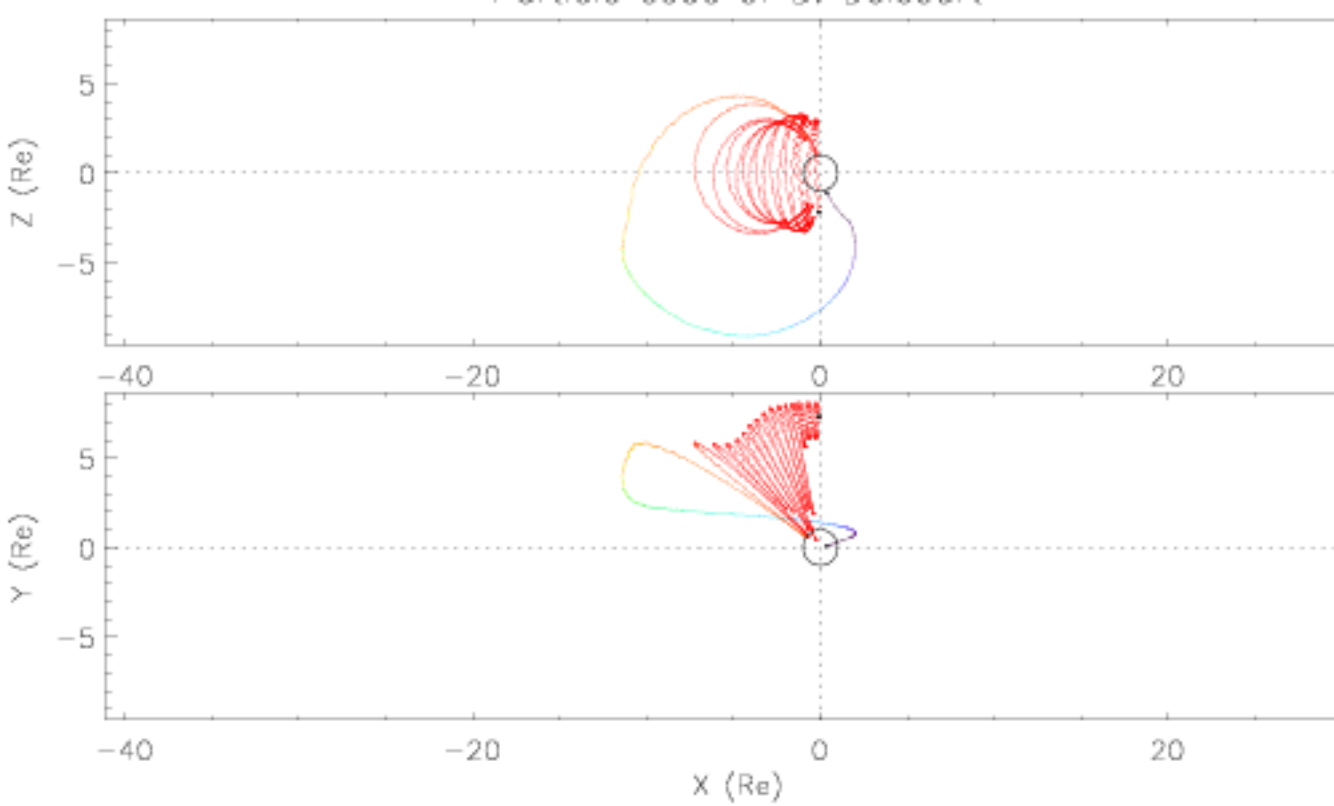

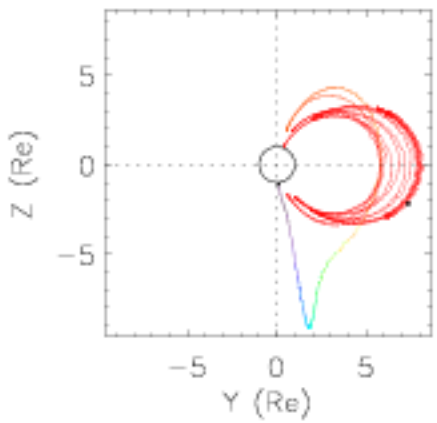

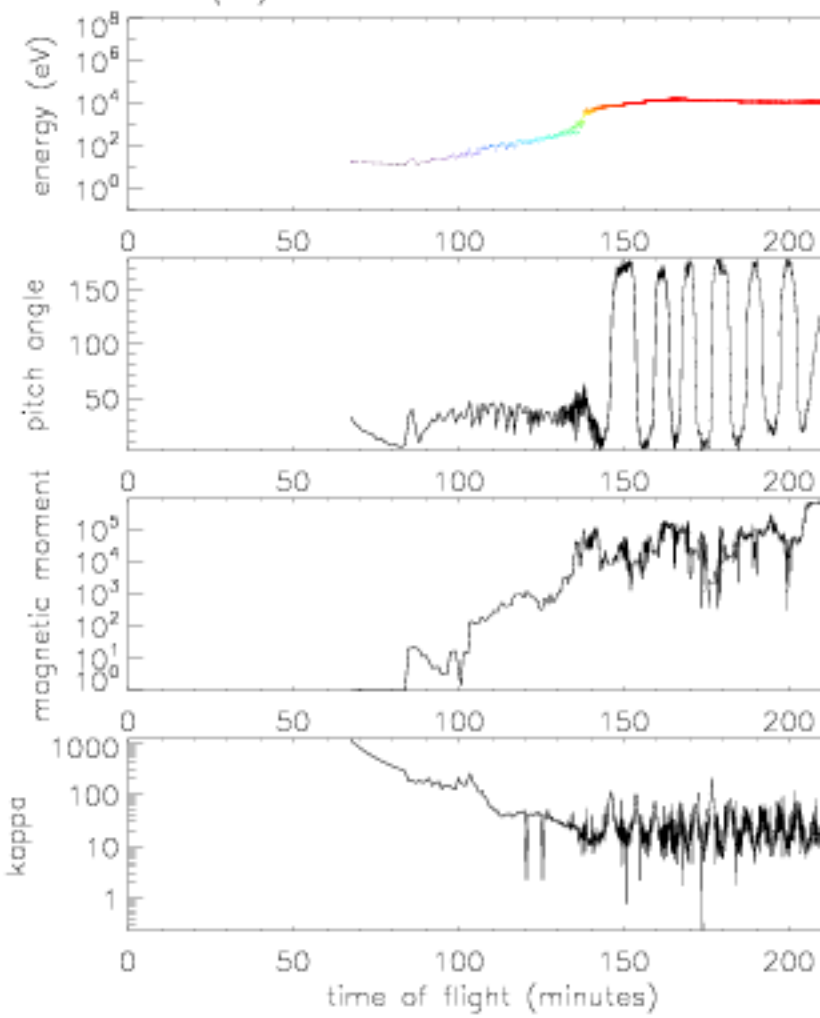

Start, Stop Parameters:

Time (minute): 67.3, 220.8
Magnetic local time: 12.940, 18.040
Magnetic latitude: −71.110, −16.580
Distance (Re): 1.16, 7.64
Energy (eV): 20.92, 12620.00
Pitch angle: 31.650, 115.700
Tilt angle (deg): 0.000

file: particle1008996.full

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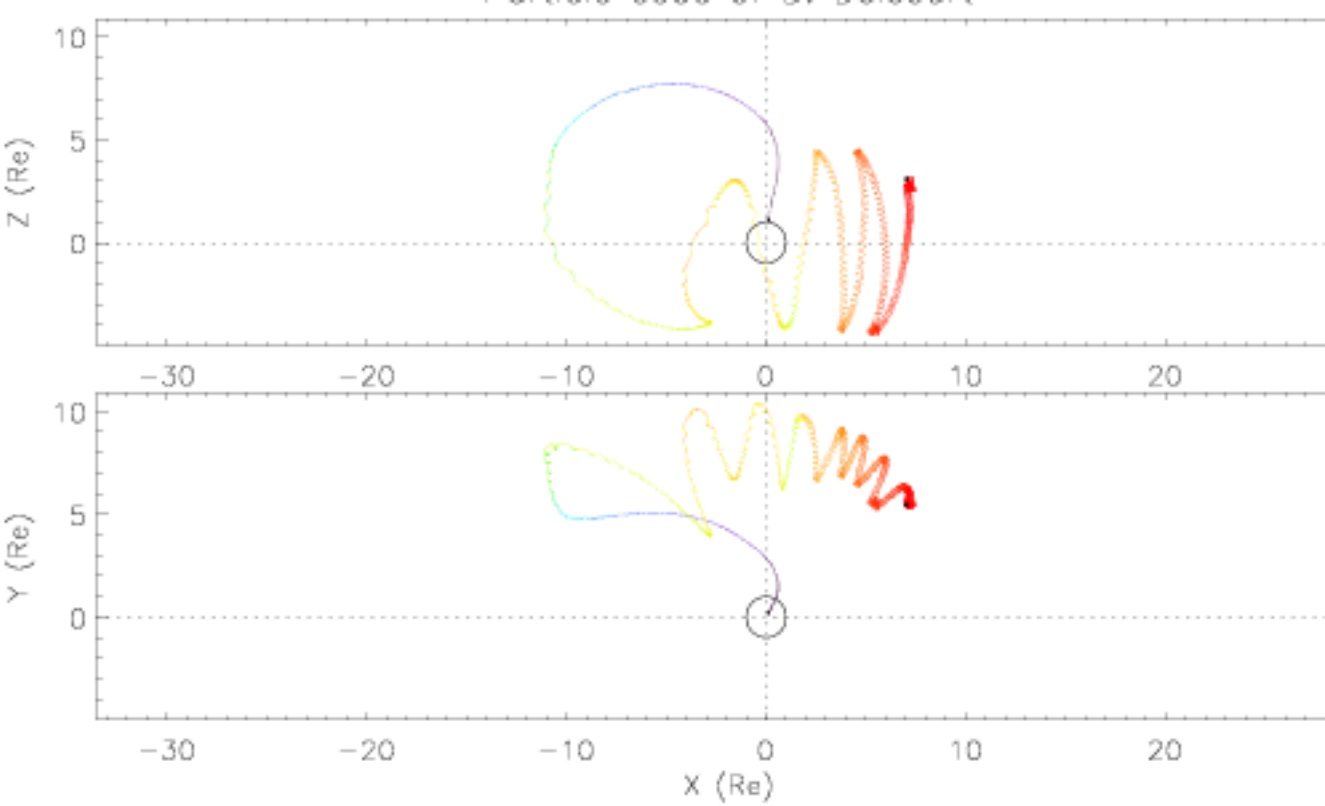

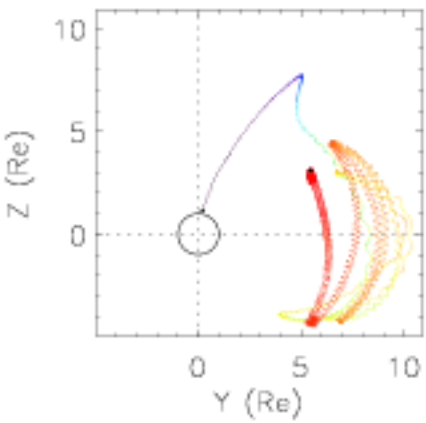

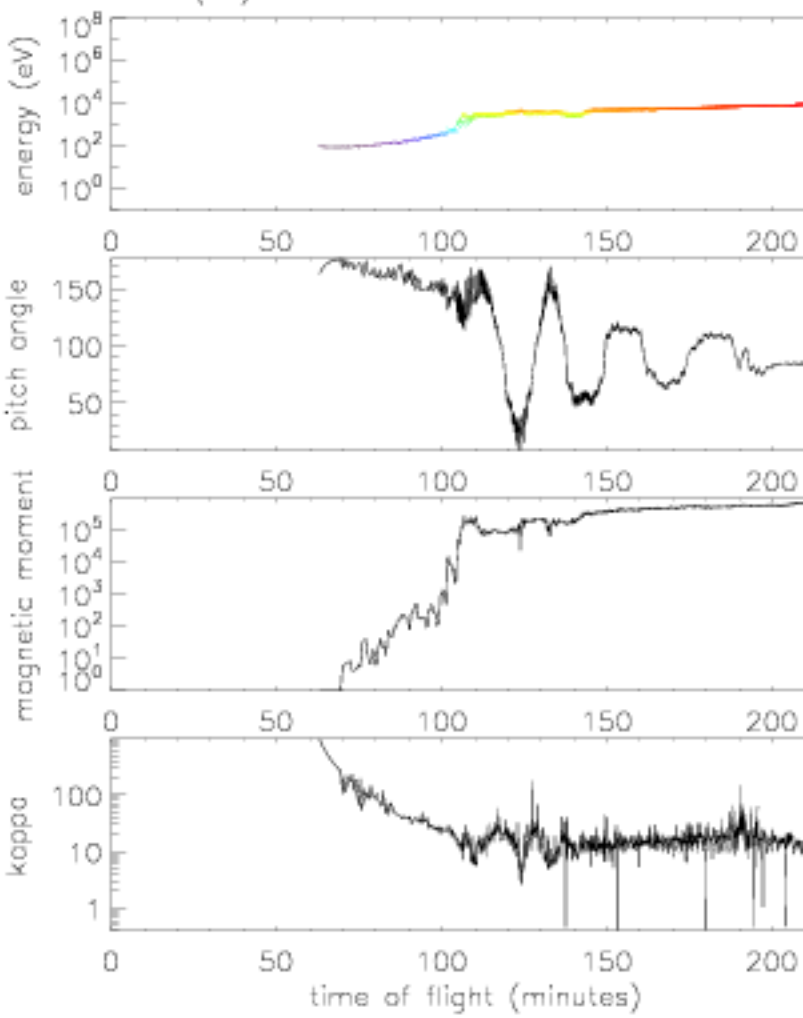

Start, Stop Parameters:

Time (minute): 63.0, 220.8
Magnetic local time: 15.990, 14.520
Magnetic latitude: 78.150, 19.190
Distance (Re): 1.16, 9.43
Energy (eV): 100.10, 10410.00
Pitch angle: 163.300, 89.840
Tilt angle (deg): 0.000

file: particle1009093.full

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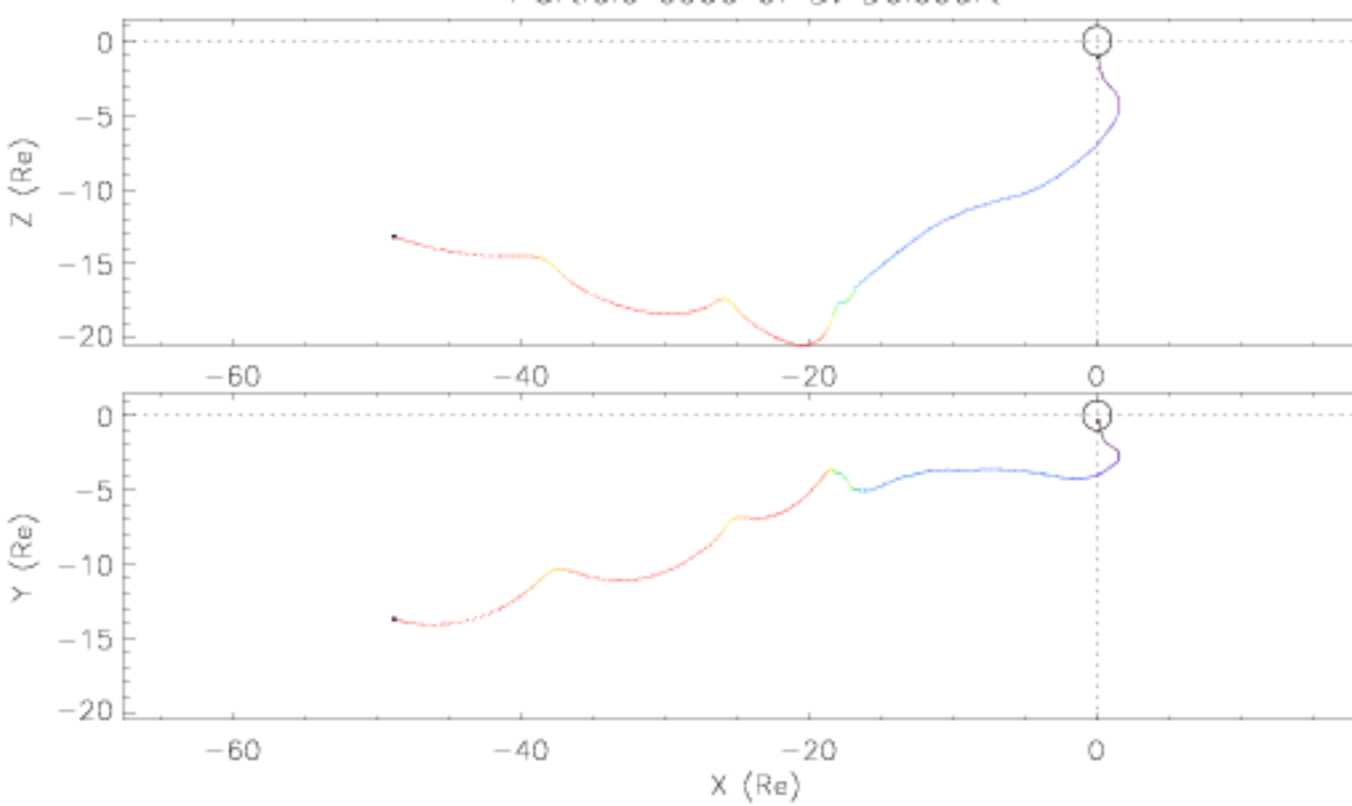

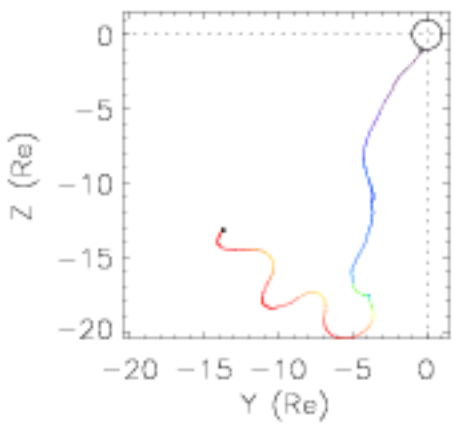

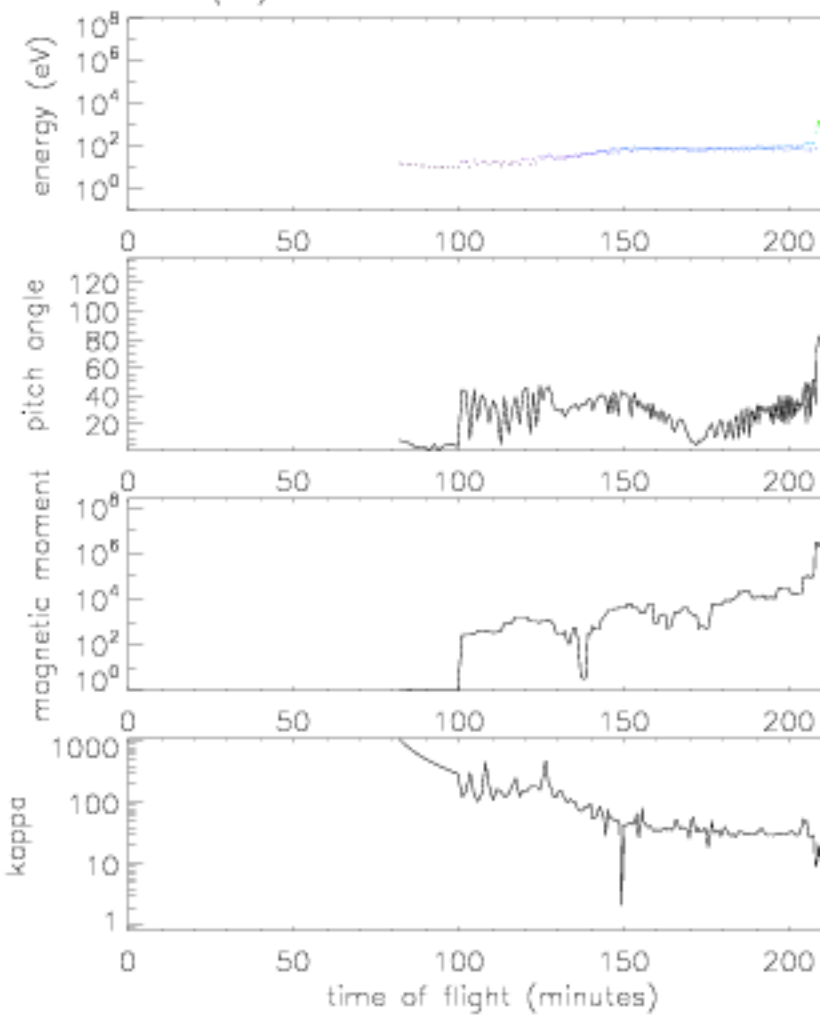

Start, Stop Parameters:

Time (minute): 81.9, 220.8
Magnetic local time: 6.743, 1.048
Magnetic latitude: −70.180, −14.560
Distance (Re): 1.16, 52.40
Energy (eV): 16.42, 24280.00
Pitch angle: 8.025, 84.200
Tilt angle (deg): 0.000

file: particle1009290.full

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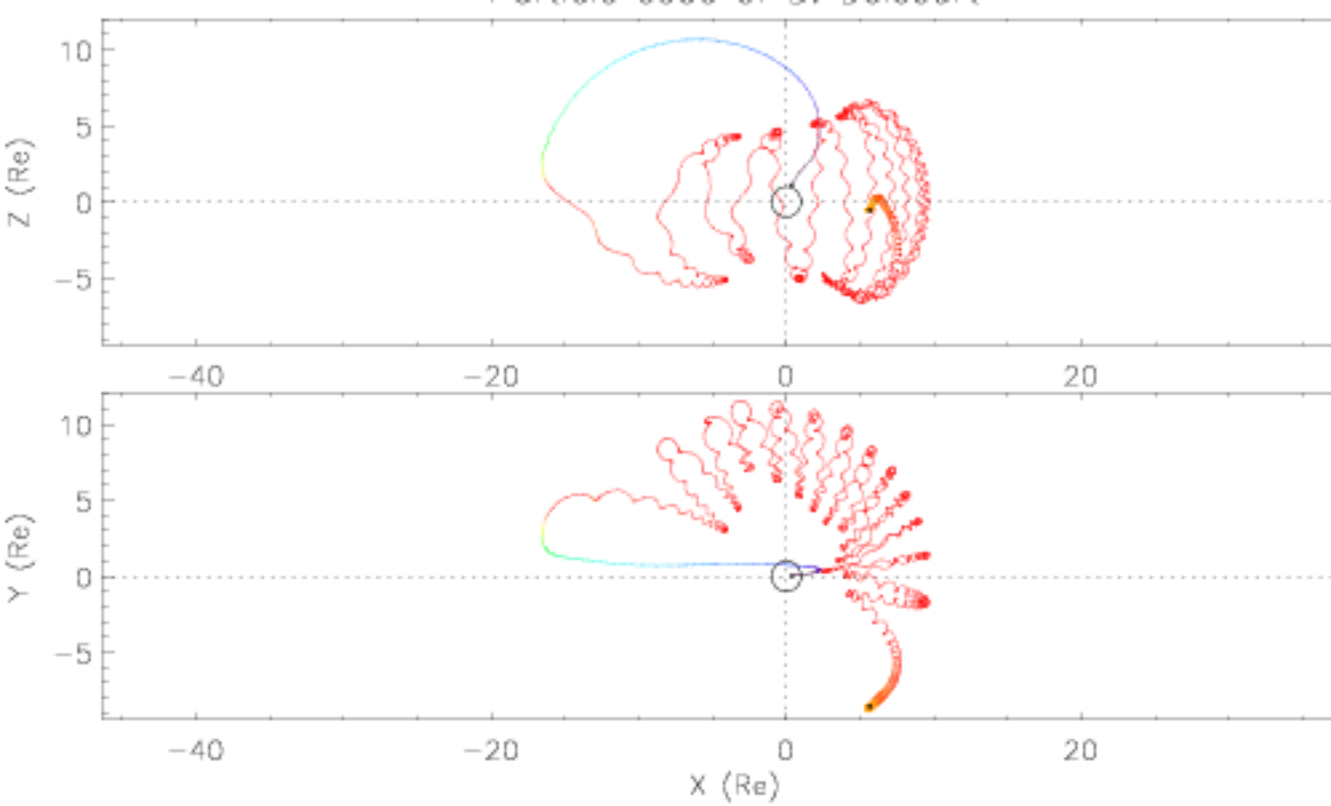

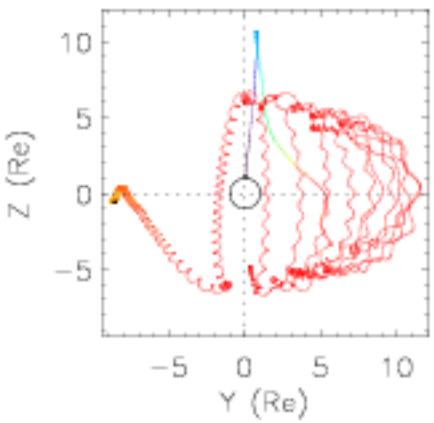

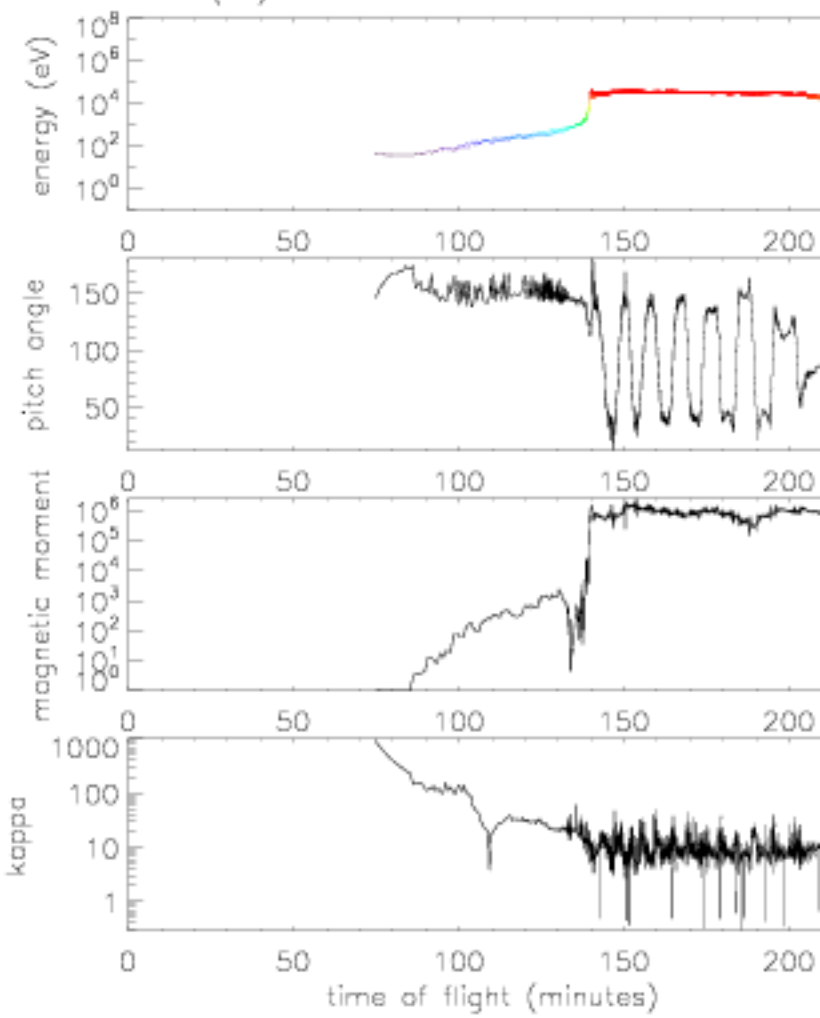

Start, Stop Parameters:

Time (minute): 74.8, 220.8
Magnetic local time: 12.250, 8.237
Magnetic latitude: 71.750, −3.146
Distance (Re): 1.16, 10.27
Energy (eV): 44.52, 12850.00
Pitch angle: 144.900, 90.360
Tilt angle (deg): 0.000

file: particle1009403.full

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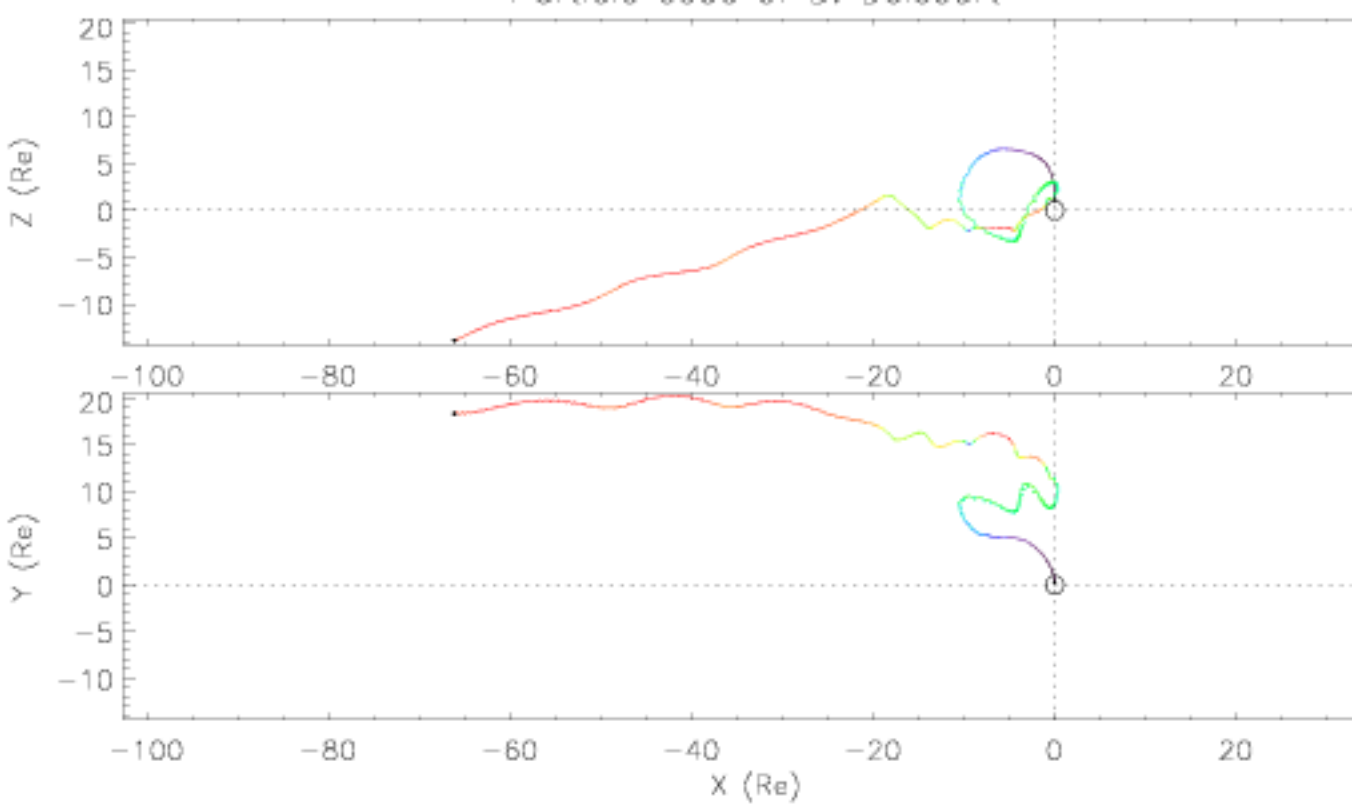

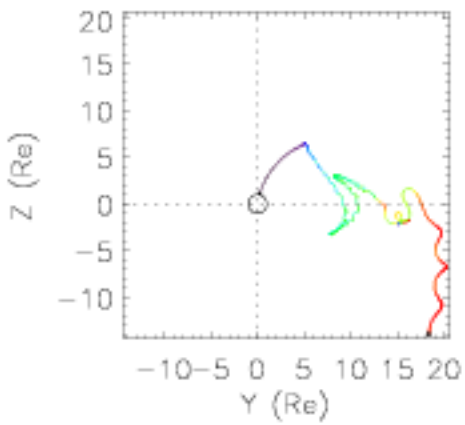

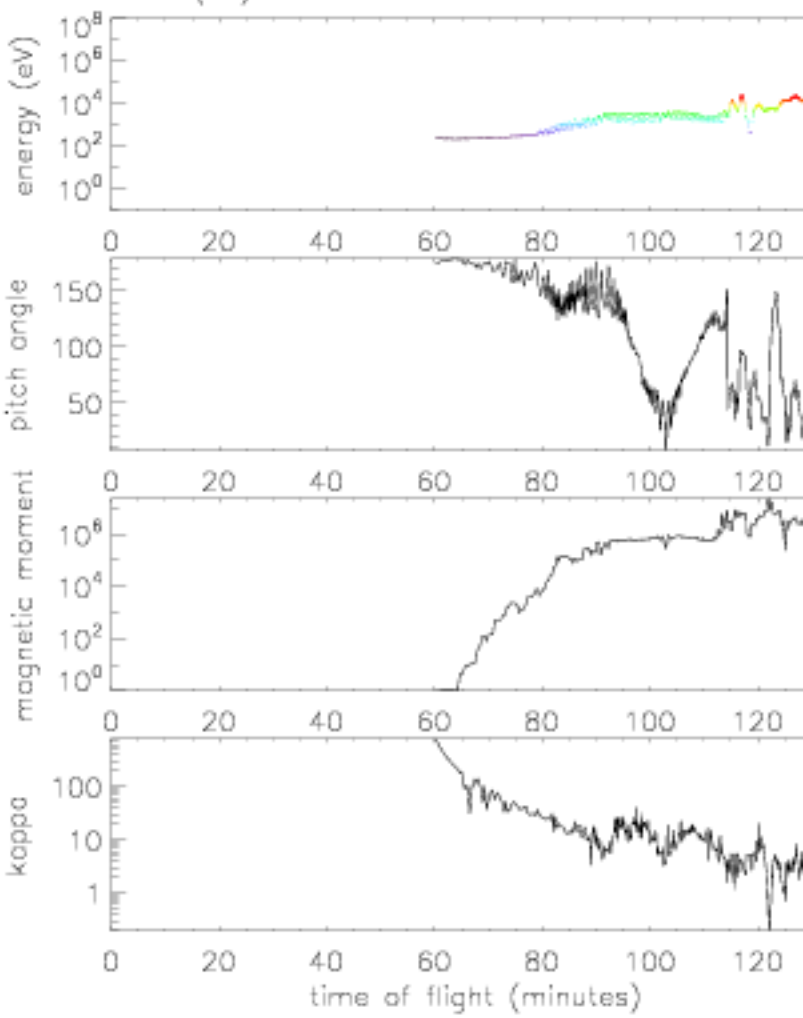

Start, Stop Parameters:

Time (minute): 60.2, 135.5
Magnetic local time: 18.450, 22.970
Magnetic latitude: 78.230,−11.450
Distance (Re): 1.16, 70.01
Energy (eV): 237.20, 17230.00
Pitch angle: 173.700, 10.940
Tilt angle (deg): 0.000

file: particle1009515.full

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