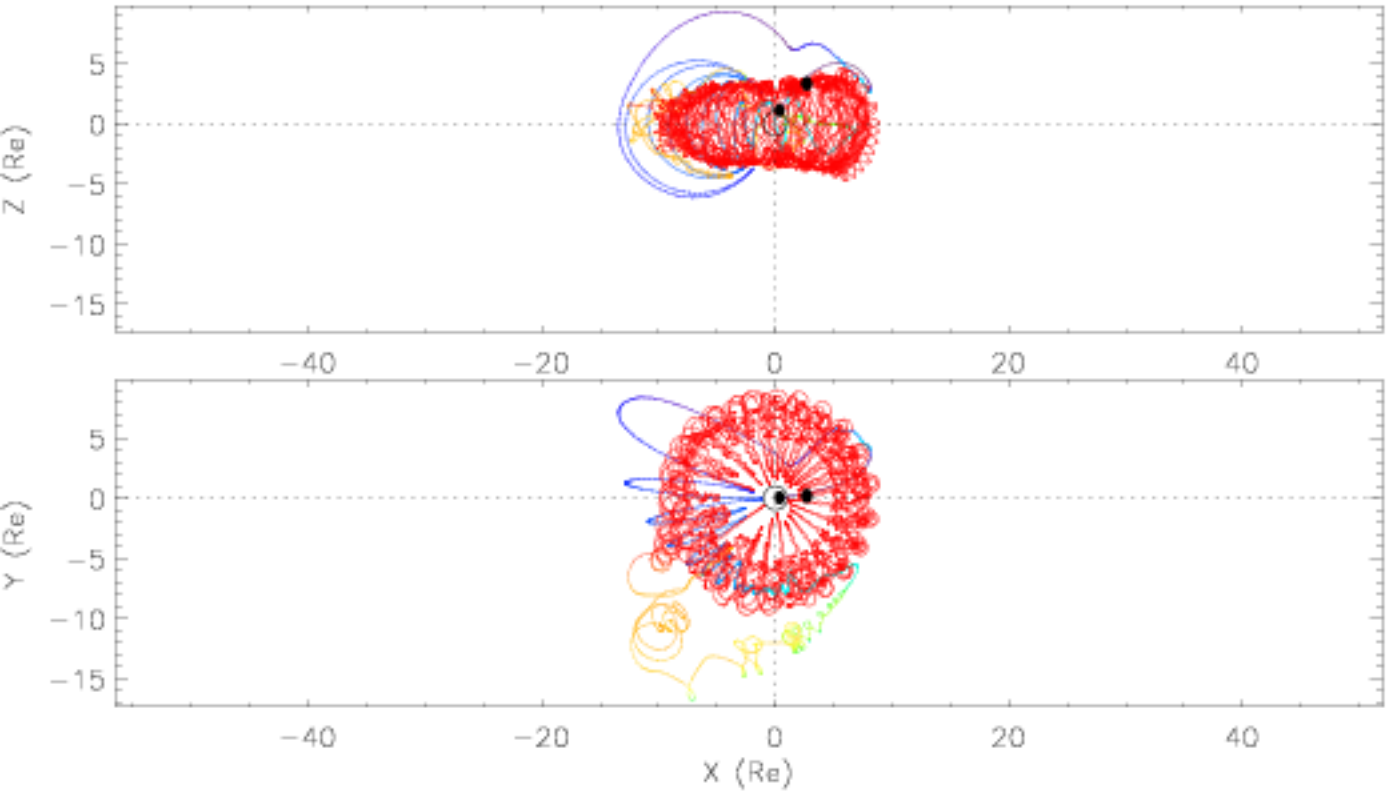
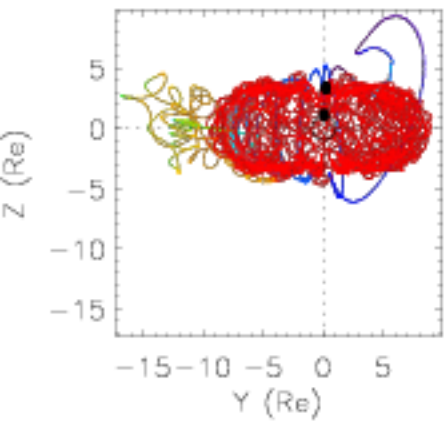
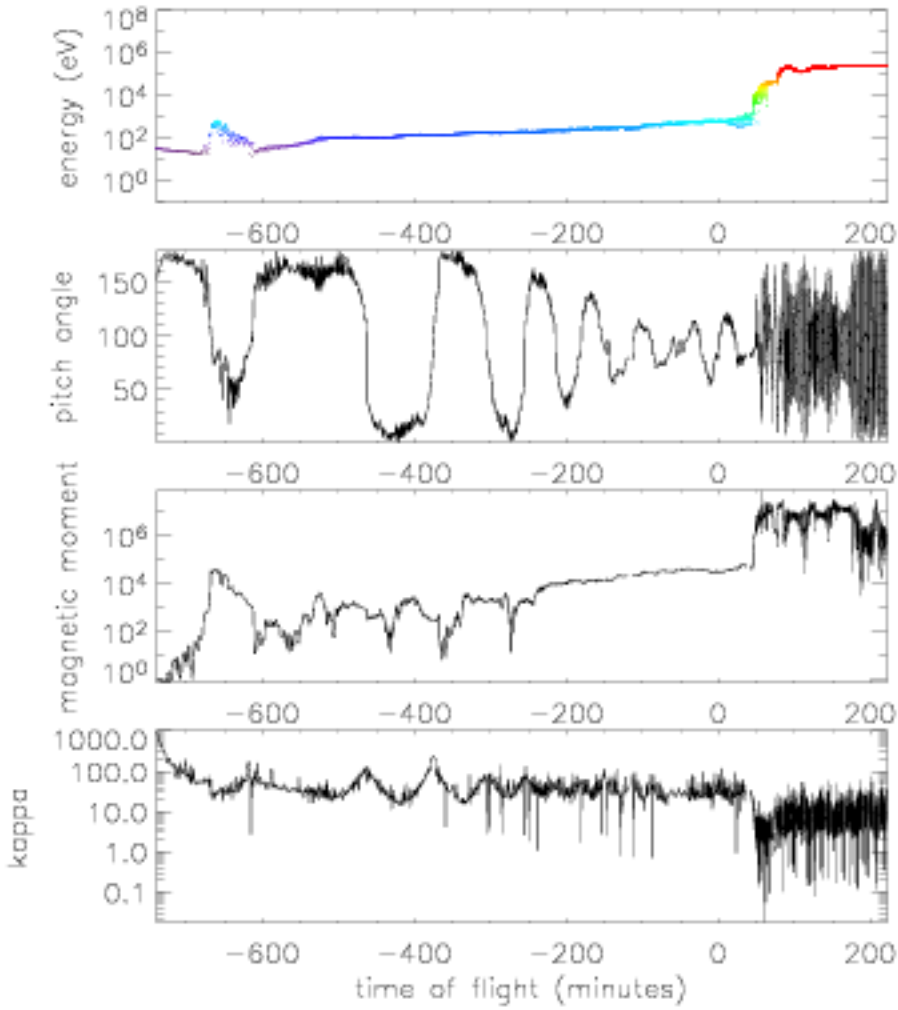
Particle code of D. Delcourt







Start, Stop Parameters:

Time (minute): −739.2, 220.8
Magnetic local time: 12.310, 12.250
Magnetic latitude: 71.910, 51.020
Distance (Re): 1.16, 4.28
Energy (eV): 35.62, 252500.00
Pitch angle: 153.500, 147.000
Tilt angle (deg): 0.000

file: particle0001251.full

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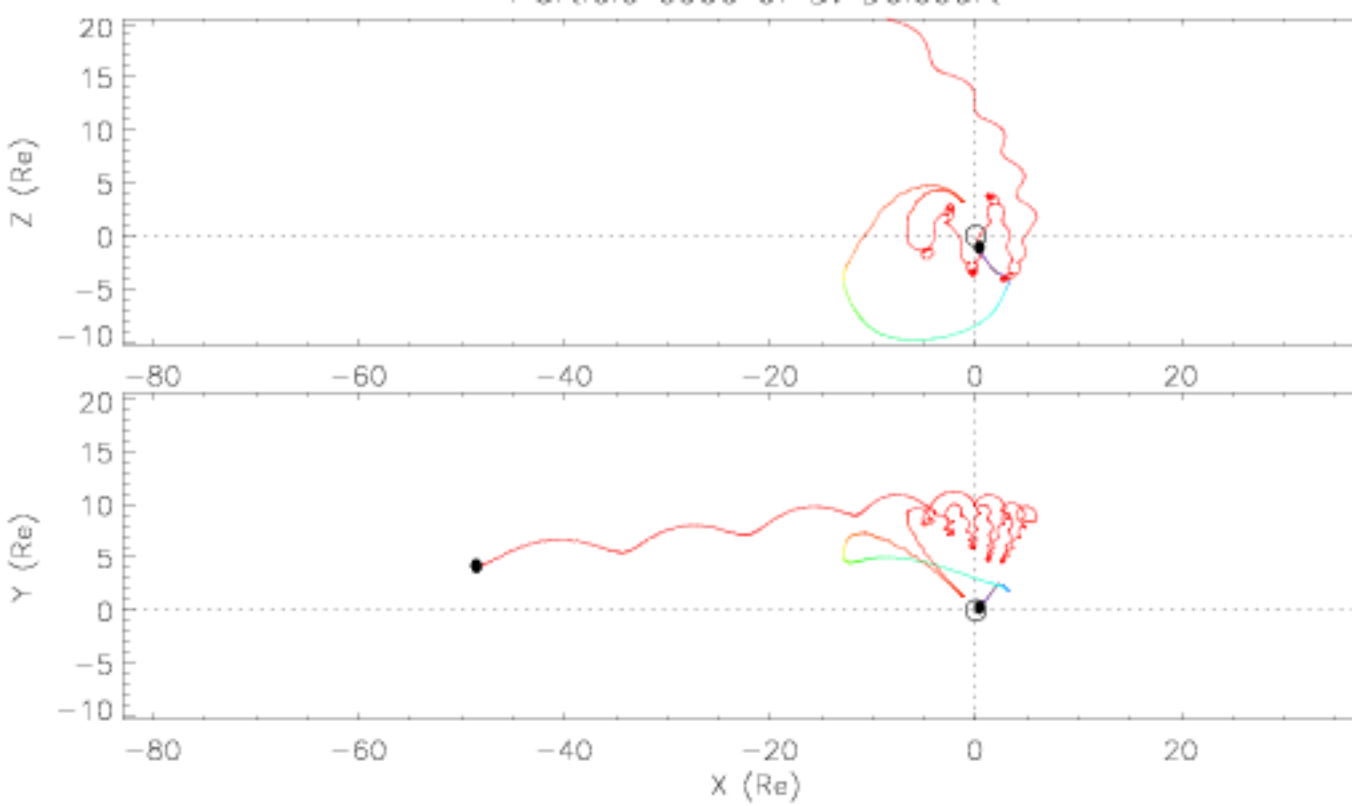

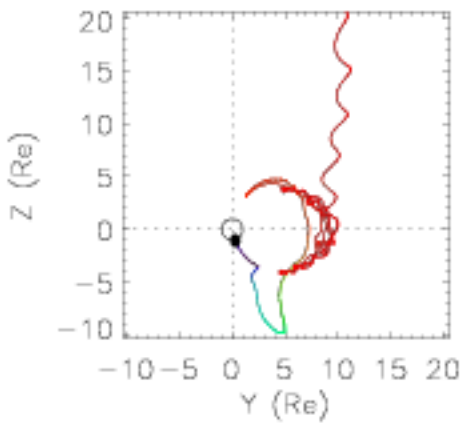

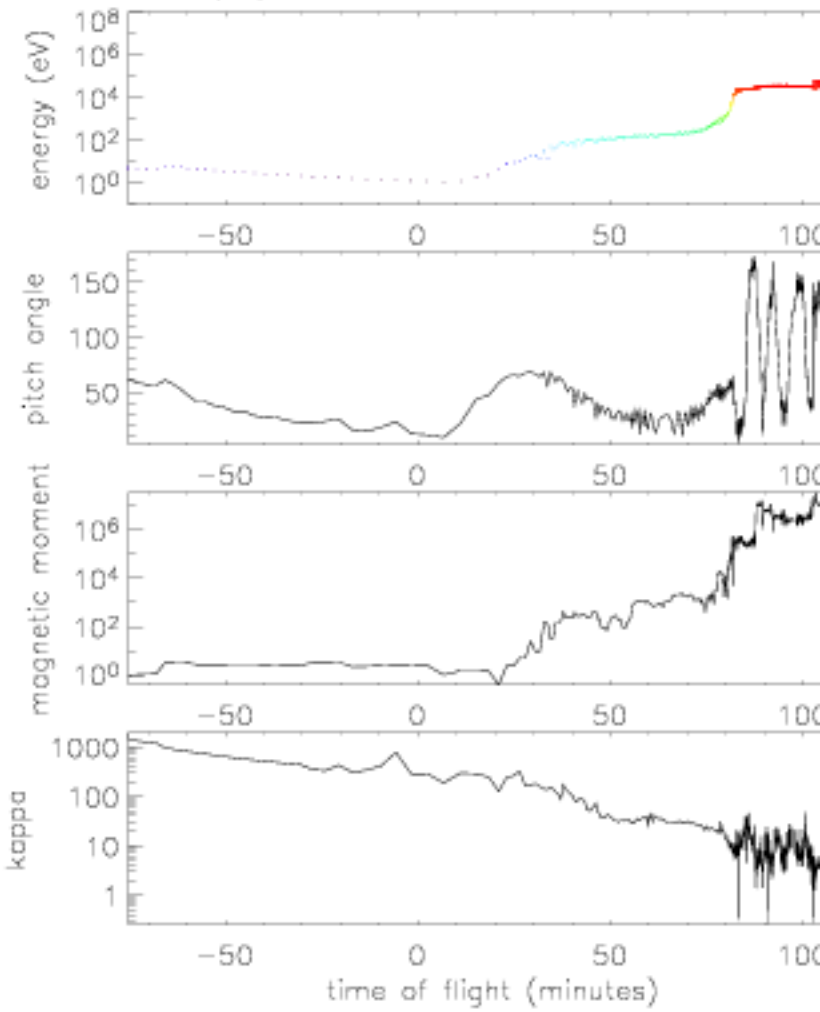

Start, Stop Parameters:

Time (minute): −75.1, 114.3
Magnetic local time: 14.650, 23.670
Magnetic latitude: −67.270, 45.840
Distance (Re): 1.16, 70.00
Energy (eV): 4.78, 40500.00
Pitch angle: 59.150, 172.400
Tilt angle (deg): 0.000

file: particle0001758.full

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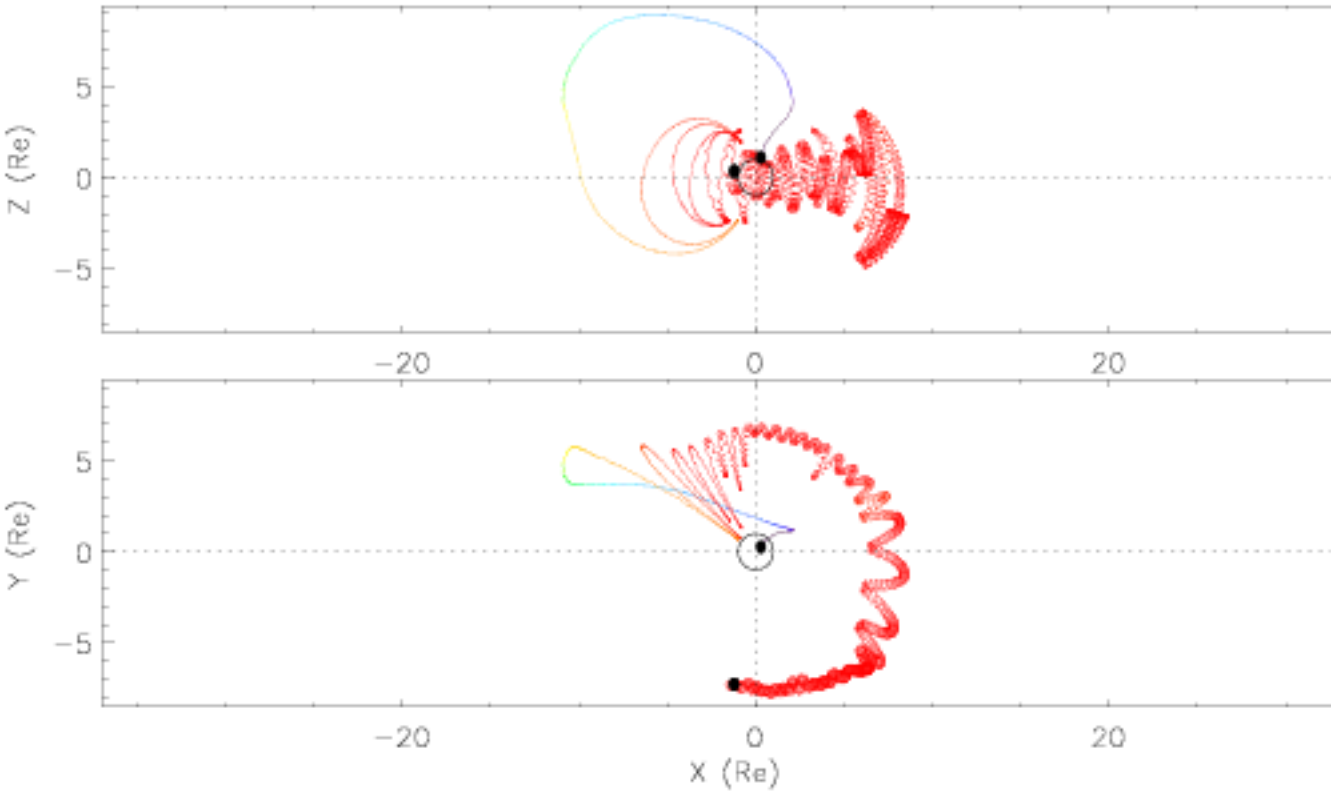

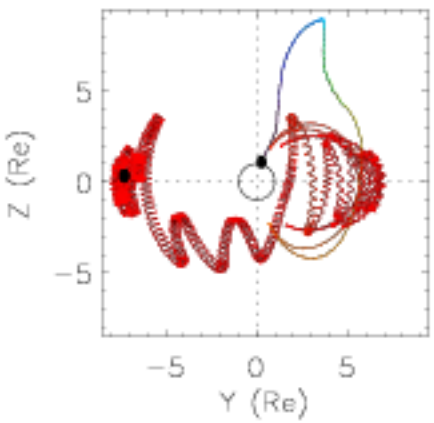

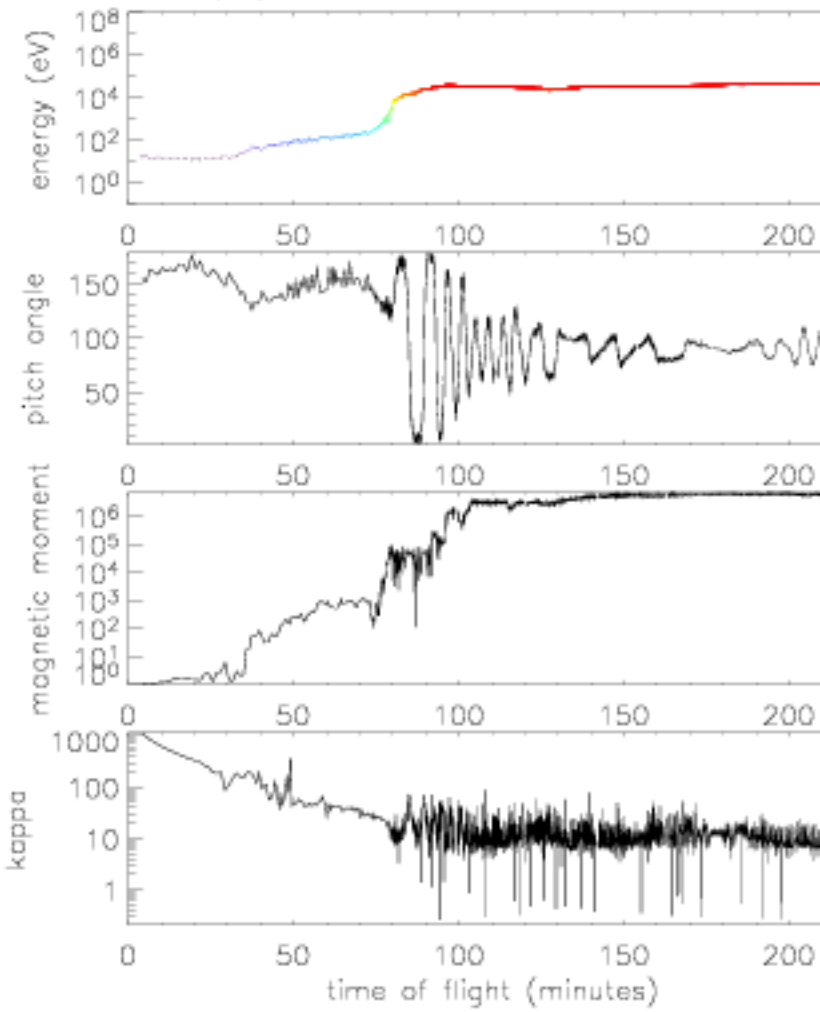

Start, Stop Parameters:

Time (minute): 4.2, 220.8
Magnetic local time: 14.850, 5.365
Magnetic latitude: 70.150, 2.586
Distance (Re): 1.16, 7.38
Energy (eV): 18.19, 48520.00
Pitch angle: 152.100, 73.770
Tilt angle (deg): 0.000

file: particle0003343.full

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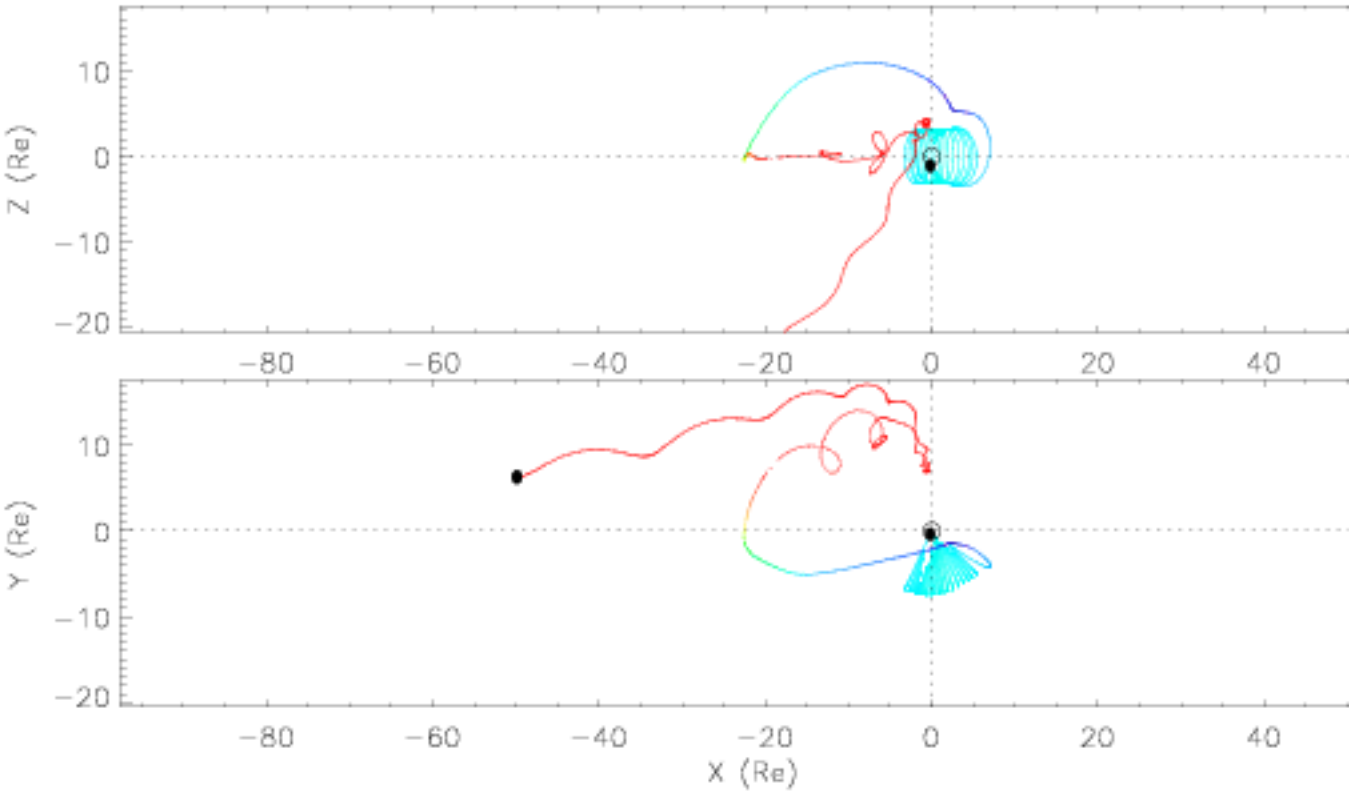

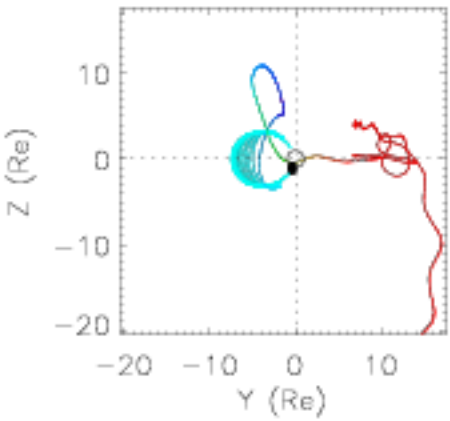

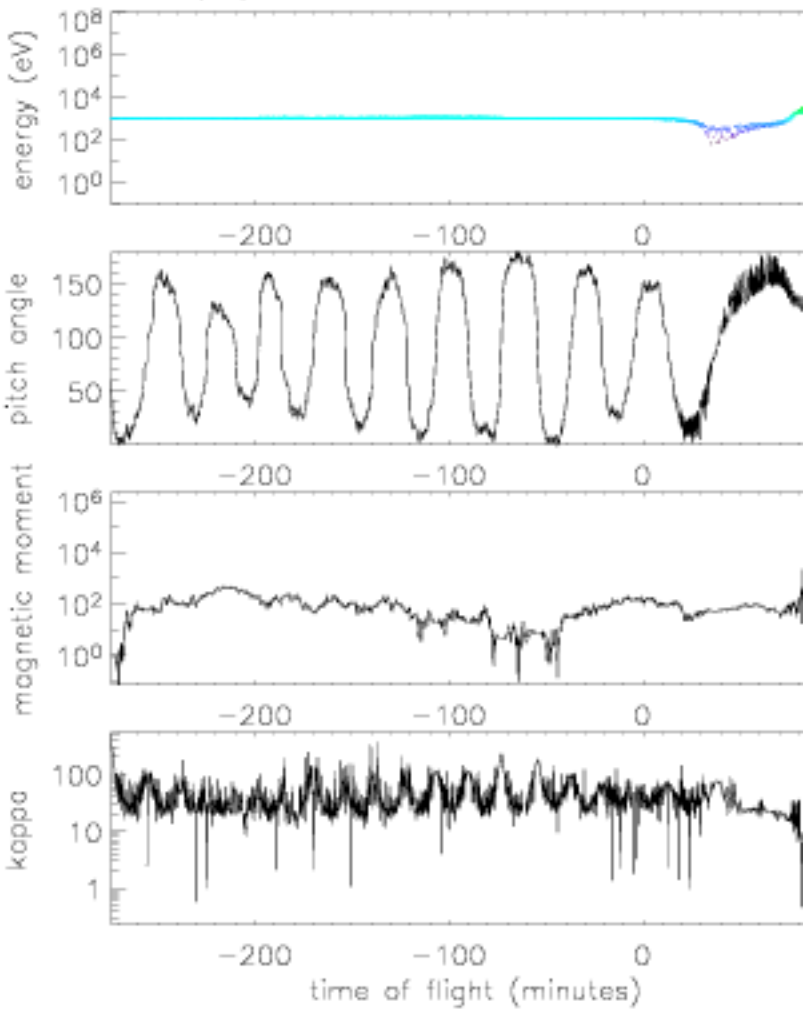

Start, Stop Parameters:

Time (minute): −273.8, 102.0
Magnetic local time: 4.241, 23.520
Magnetic latitude: −68.740, −44.070
Distance (Re): 1.16, 70.00
Energy (eV): 1033.00, 62540.00
Pitch angle: 60.380, 4.025
Tilt angle (deg): 0.000

file: particle0003878.full

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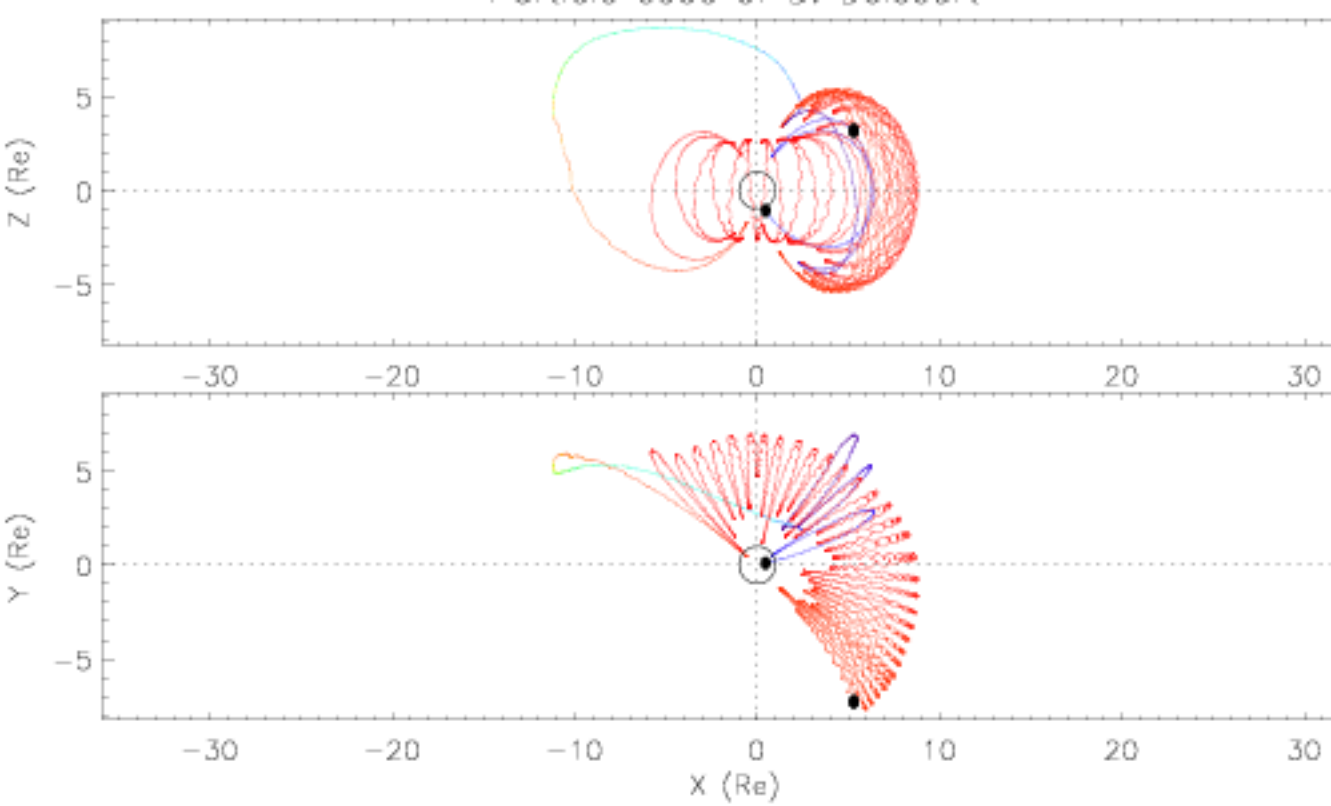

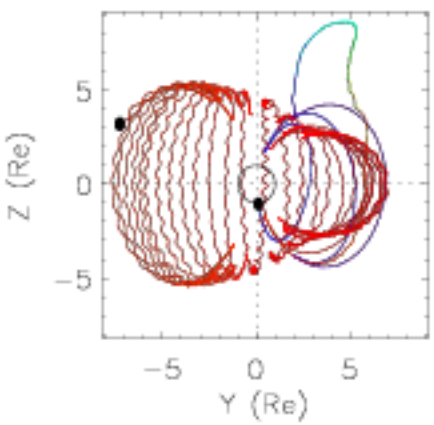

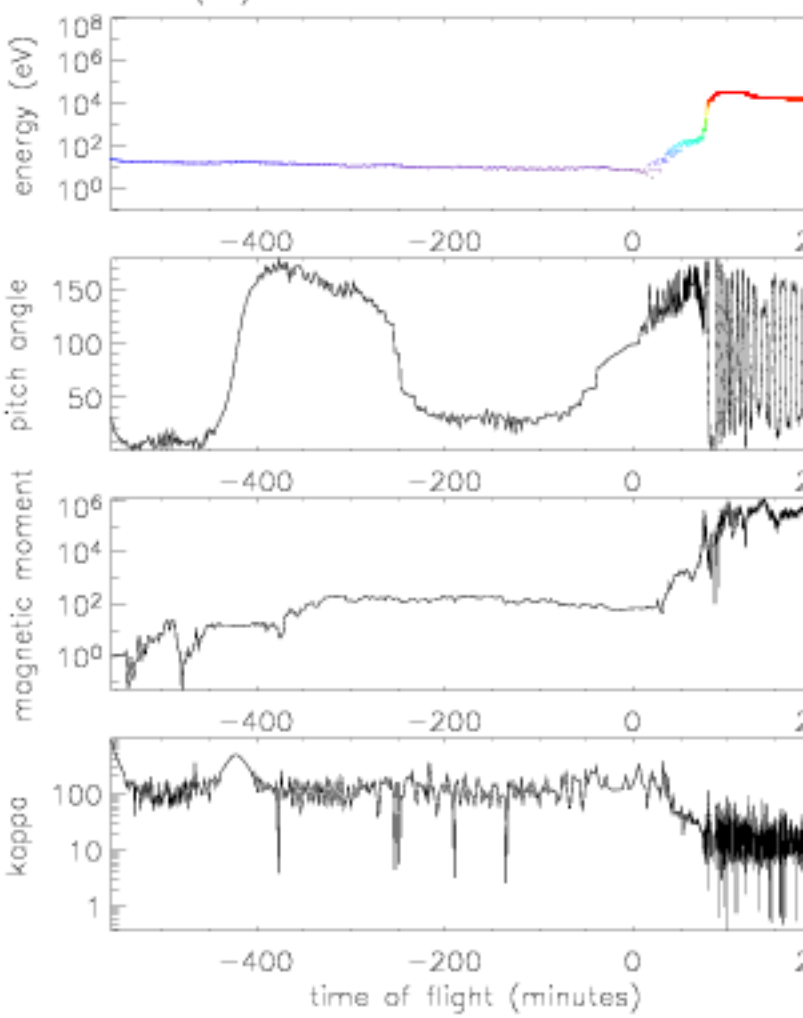

Start, Stop Parameters:

Time (minute): −553.8, 220.8
Magnetic local time: 12.810, 8.400
Magnetic latitude: −66.260, 19.540
Distance (Re): 1.16, 9.55
Energy (eV): 26.79, 15860.00
Pitch angle: 31.440, 145.900
Tilt angle (deg): 0.000

file: particle0003972.full

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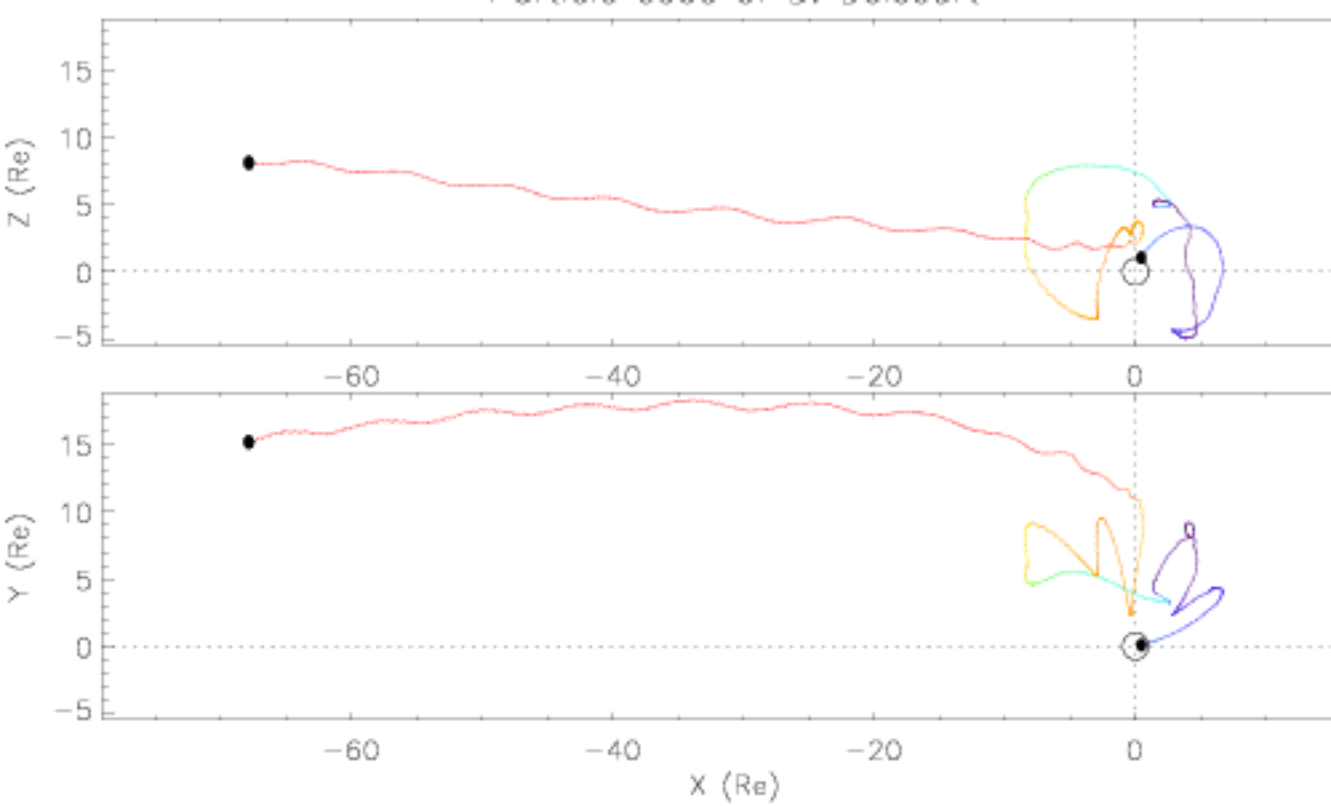

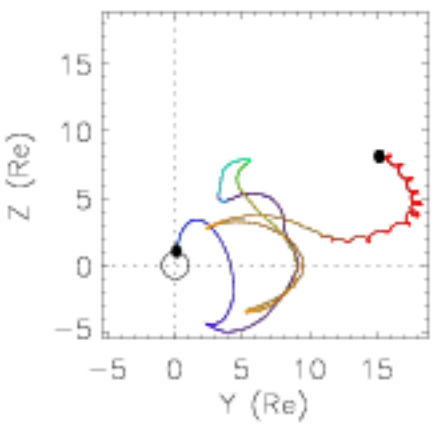

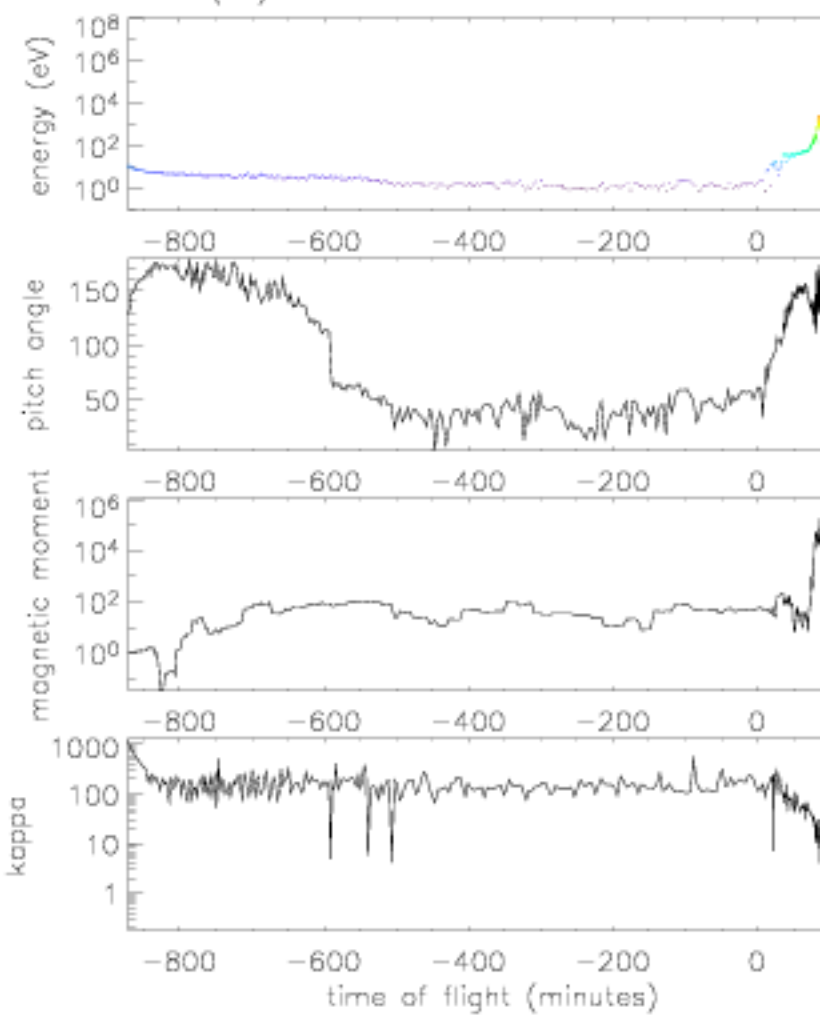

Start, Stop Parameters:

Time (minute): −870.8, 139.4
Magnetic local time: 12.800, 23.160
Magnetic latitude: 66.210, 6.645
Distance (Re): 1.16, 70.01
Energy (eV): 12.06, 11780.00
Pitch angle: 130.300, 162.500
Tilt angle (deg): 0.000

file: particle0004613.full

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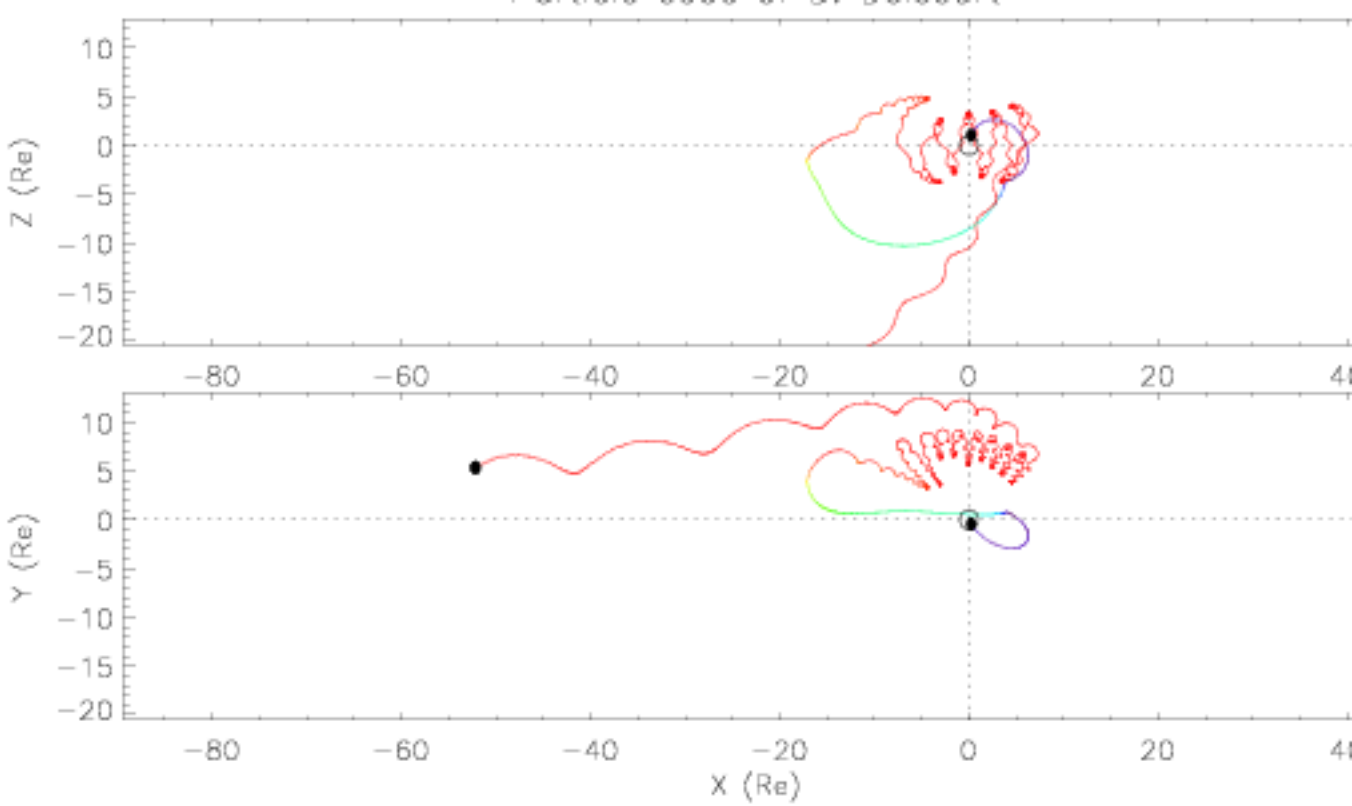

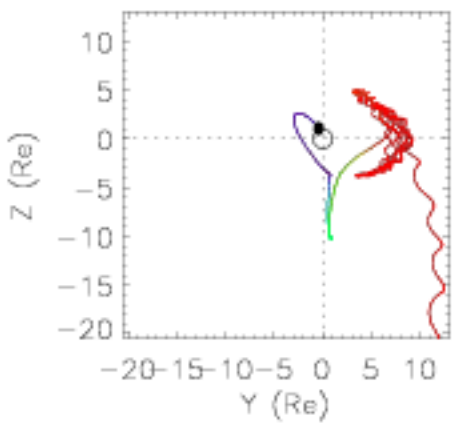

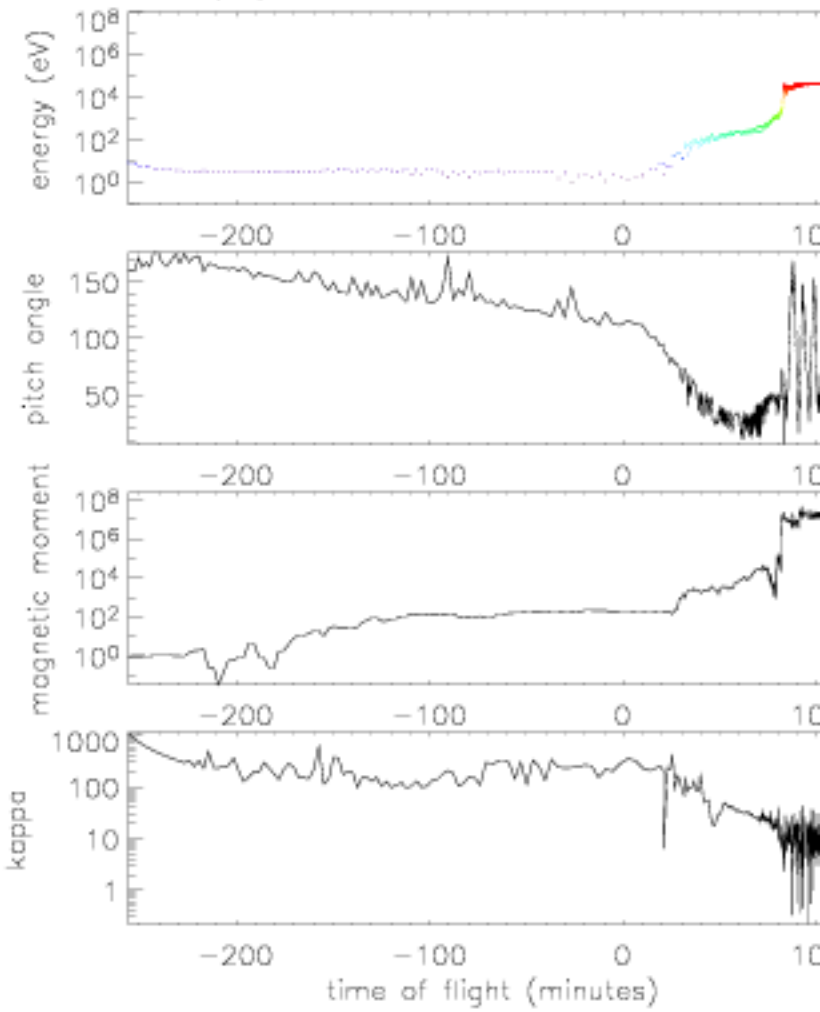

Start, Stop Parameters:

Time (minute): −255.7, 121.4
Magnetic local time: 7.792, 23.610
Magnetic latitude: 65.400,−41.480
Distance (Re): 1.16, 70.01
Energy (eV): 9.37, 52190.00
Pitch angle: 161.100, 35.110
Tilt angle (deg): 0.000

file: particle0005327.full

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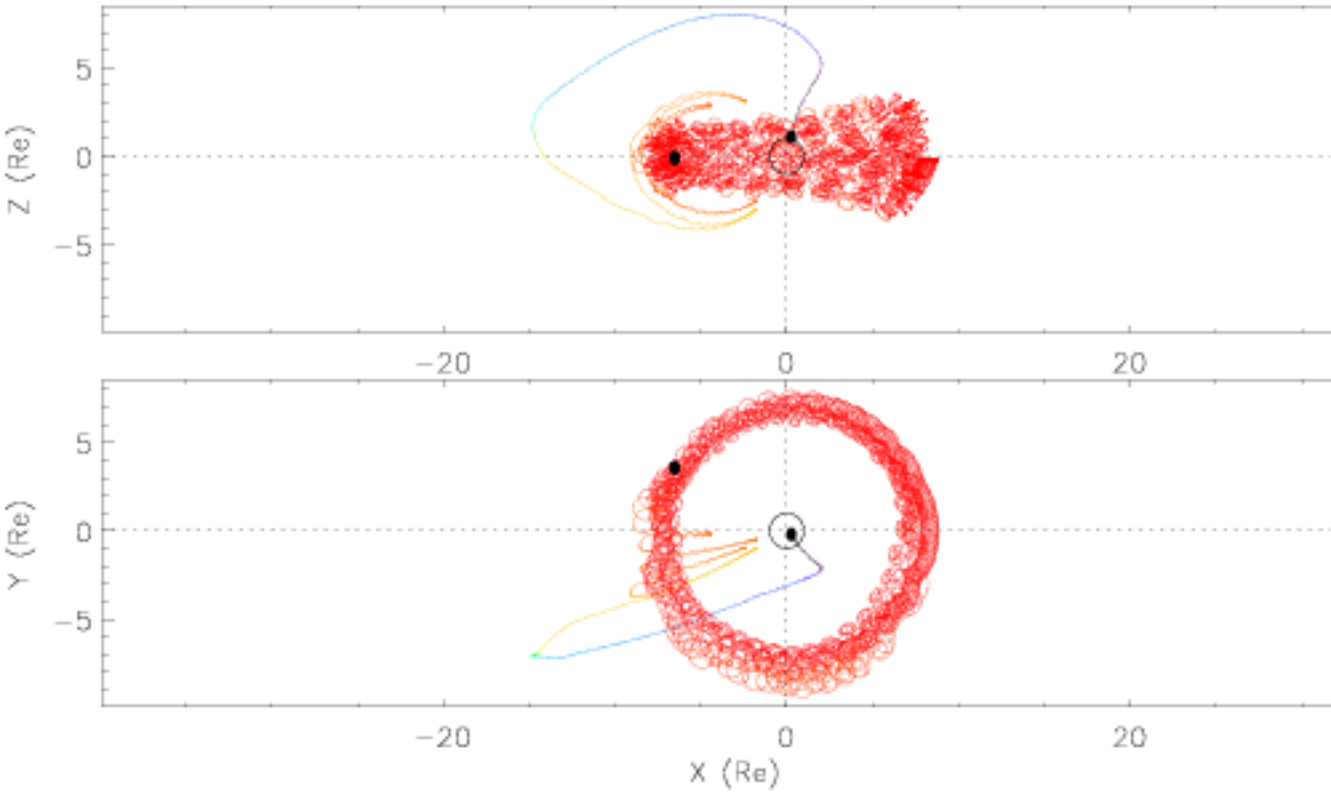

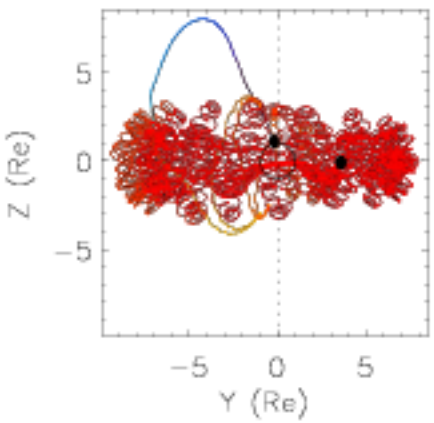

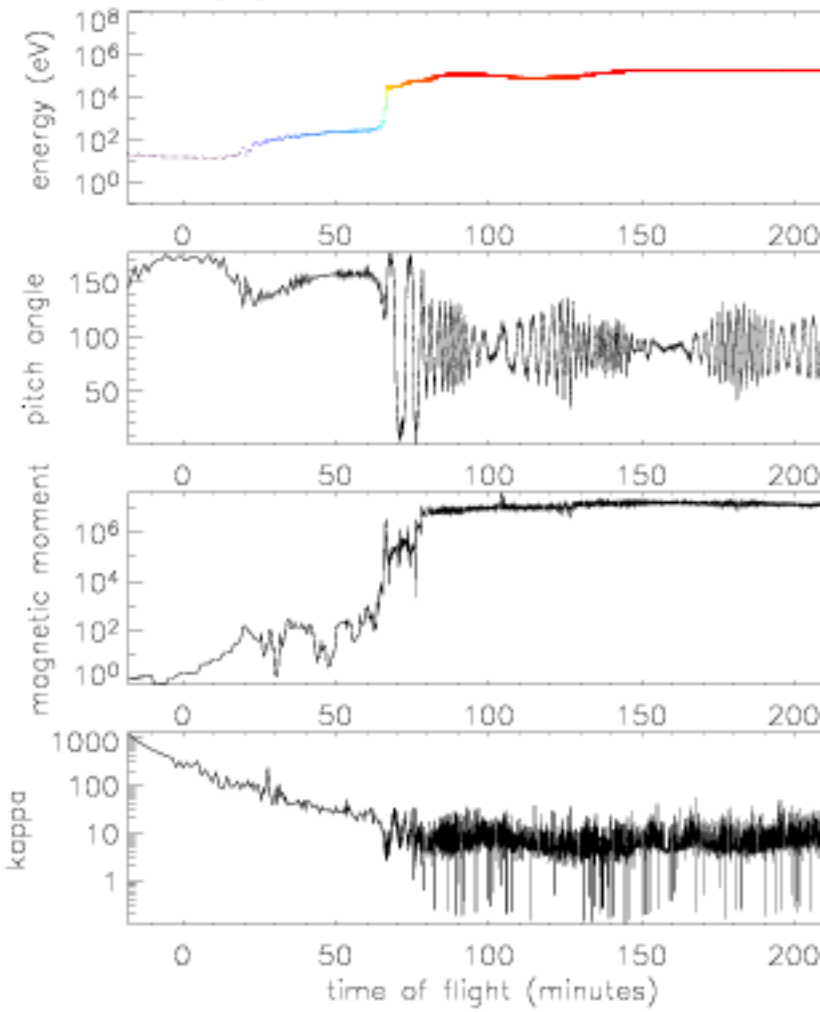

Start, Stop Parameters:

Time (minute): −17.9, 220.8
Magnetic local time: 9.510, 22.090
Magnetic latitude: 73.710, −0.691
Distance (Re): 1.16, 7.44
Energy (eV): 22.28, 205800.00
Pitch angle: 148.900, 69.190
Tilt angle (deg): 0.000

file: particle0005435.full

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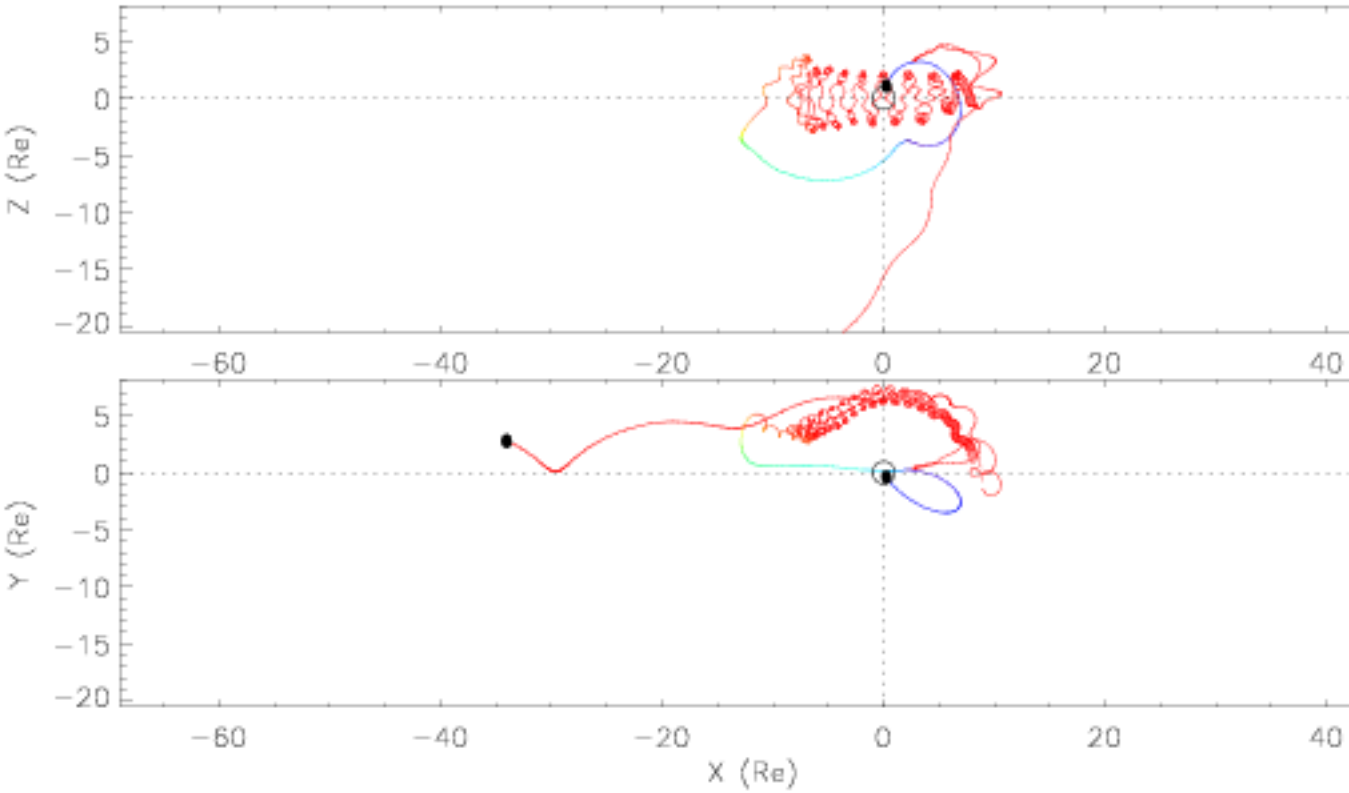

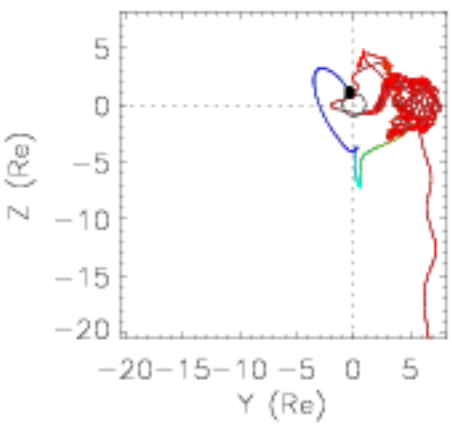

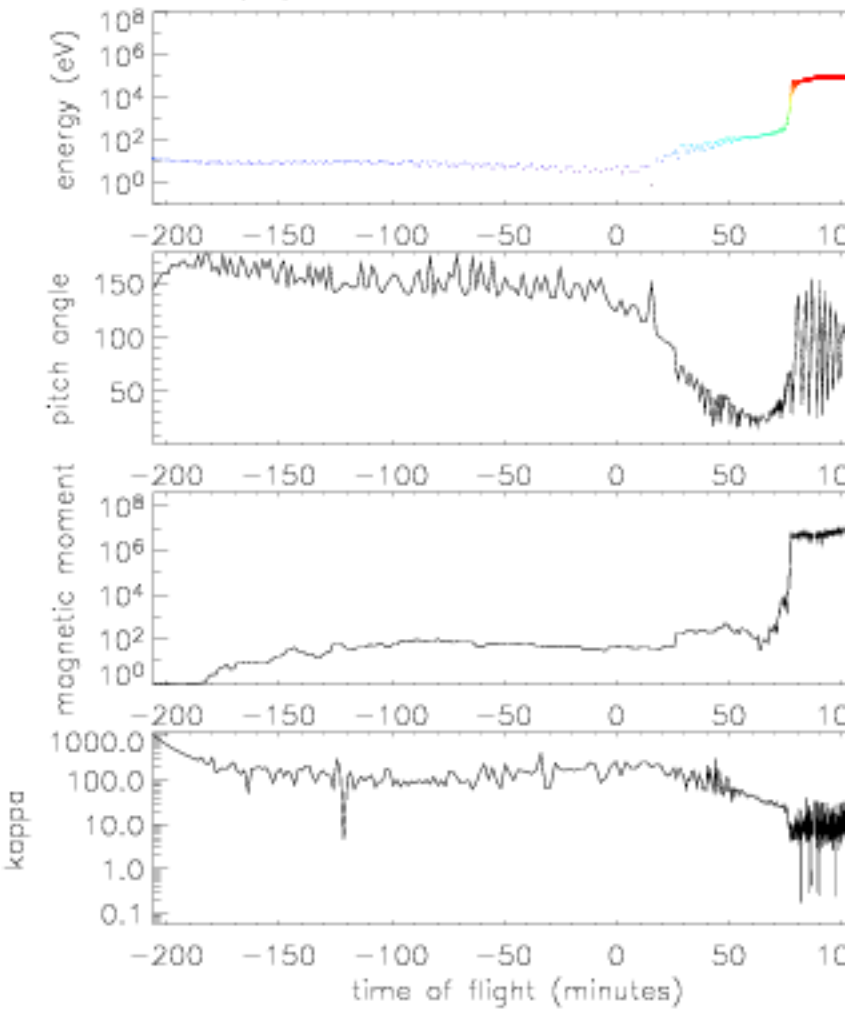

Start, Stop Parameters:

Time (minute): −205.8, 118.2
Magnetic local time: 8.189, 23.690
Magnetic latitude: 67.740,−60.810
Distance (Re): 1.16, 70.01
Energy (eV): 15.59, 130300.00
Pitch angle: 144.500, 33.280
Tilt angle (deg): 0.000

file: particle0006451.full

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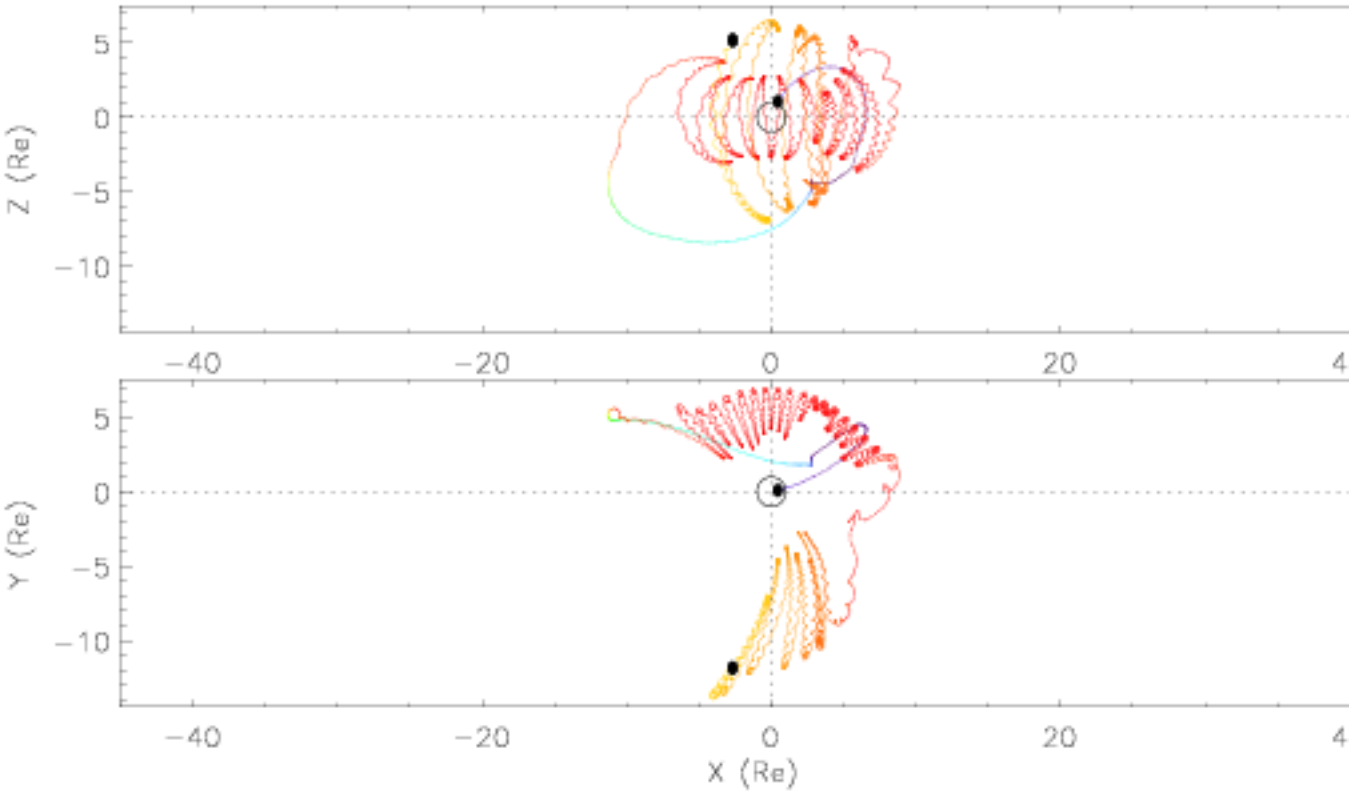

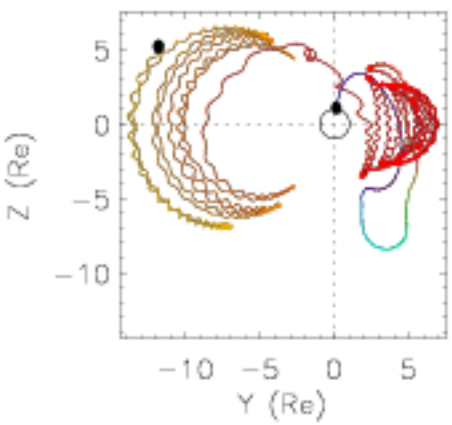

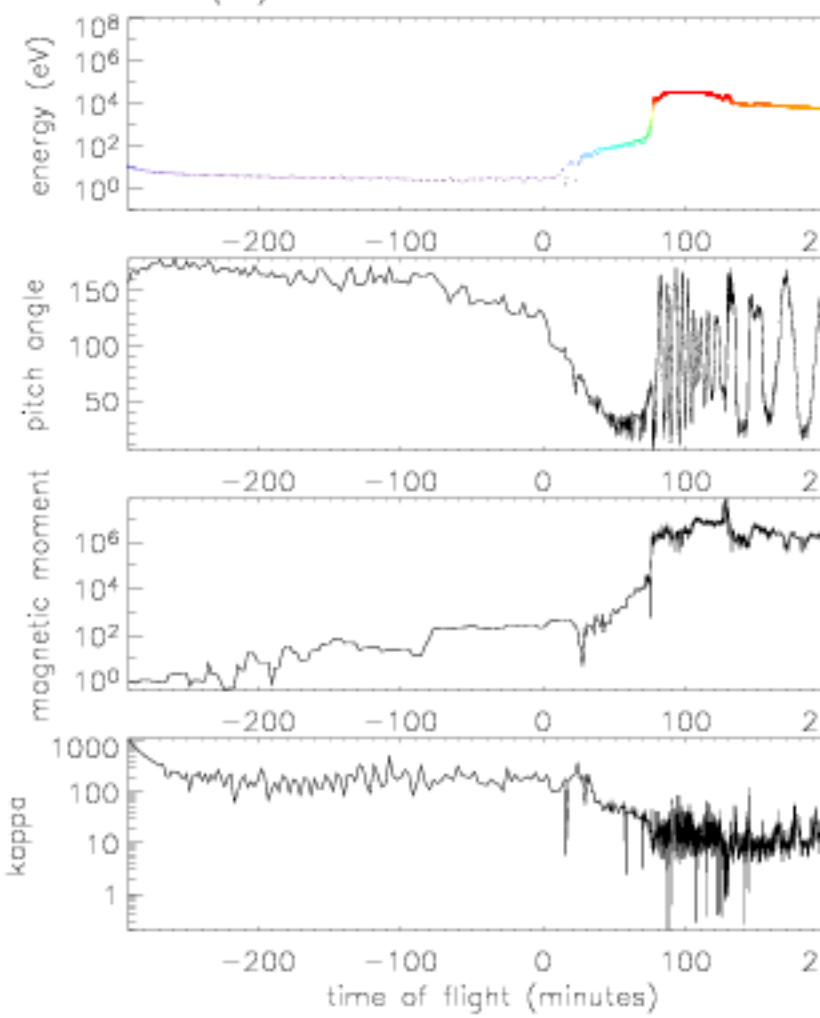

Start, Stop Parameters:

Time (minute): −291.3, 220.8
Magnetic local time: 12.860, 5.151
Magnetic latitude: 66.590, 23.130
Distance (Re): 1.16, 13.19
Energy (eV): 11.89, 4673.00
Pitch angle: 160.200, 43.480
Tilt angle (deg): 0.000

file: particle0006527.full

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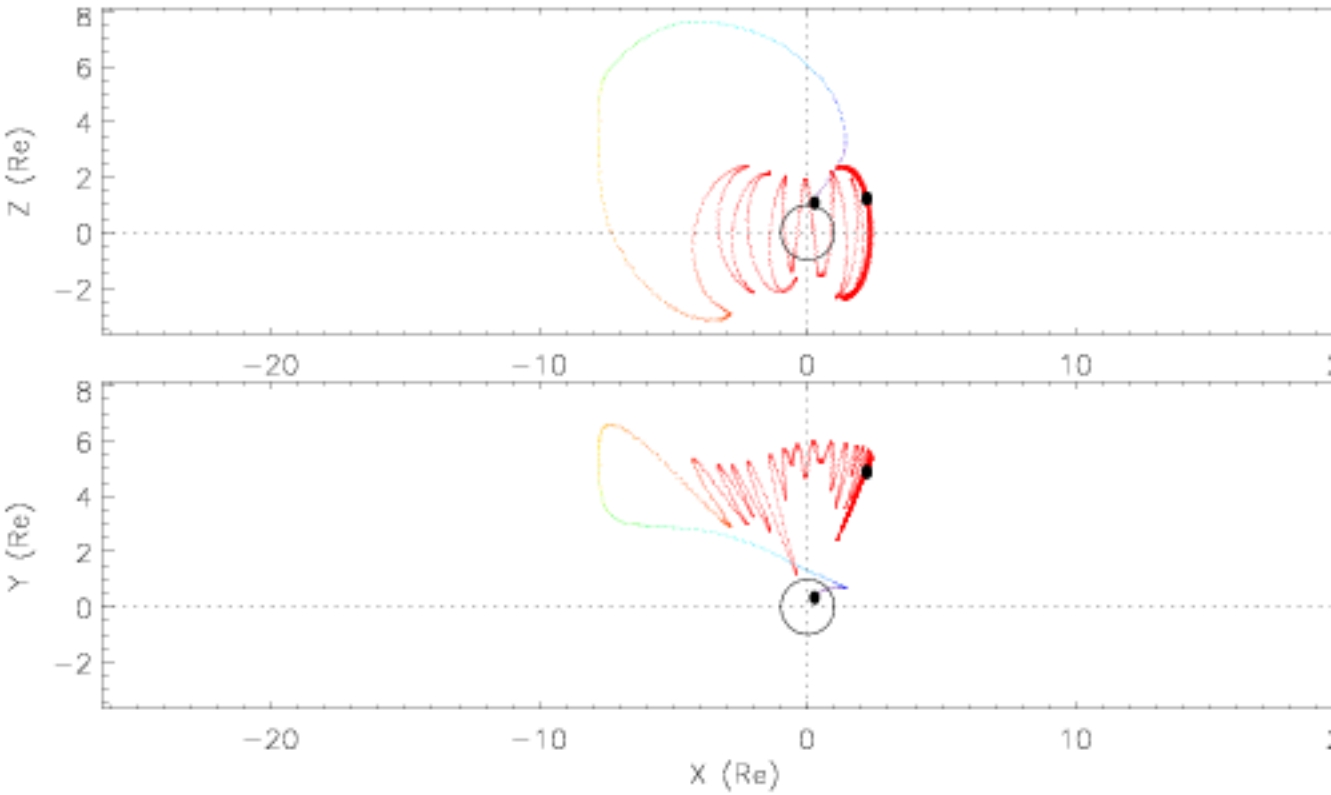

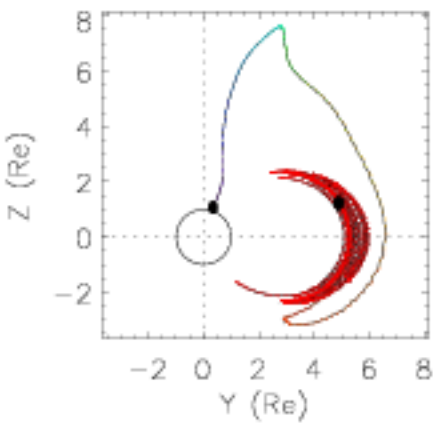

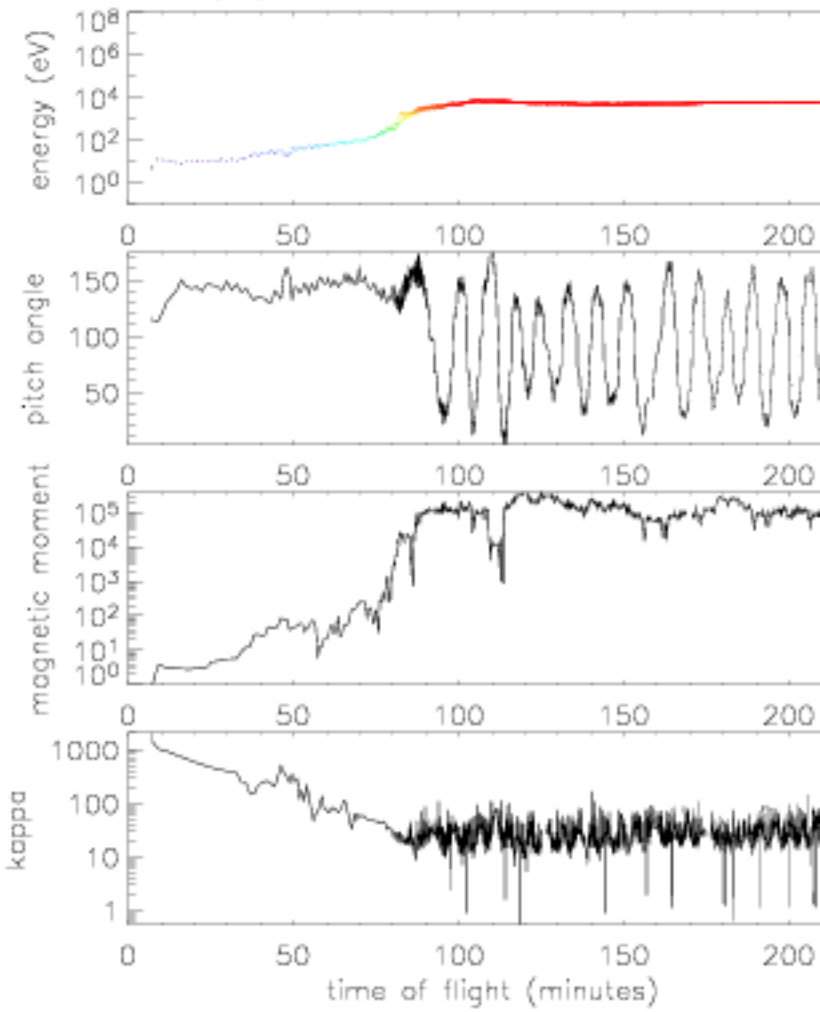

Start, Stop Parameters:

Time (minute): 7.2, 220.8
Magnetic local time: 15.510, 16.380
Magnetic latitude: 68.190, 12.910
Distance (Re): 1.16, 5.50
Energy (eV): 5.16, 6821.00
Pitch angle: 117.400, 64.780
Tilt angle (deg): 0.000

file: particle0006699.full

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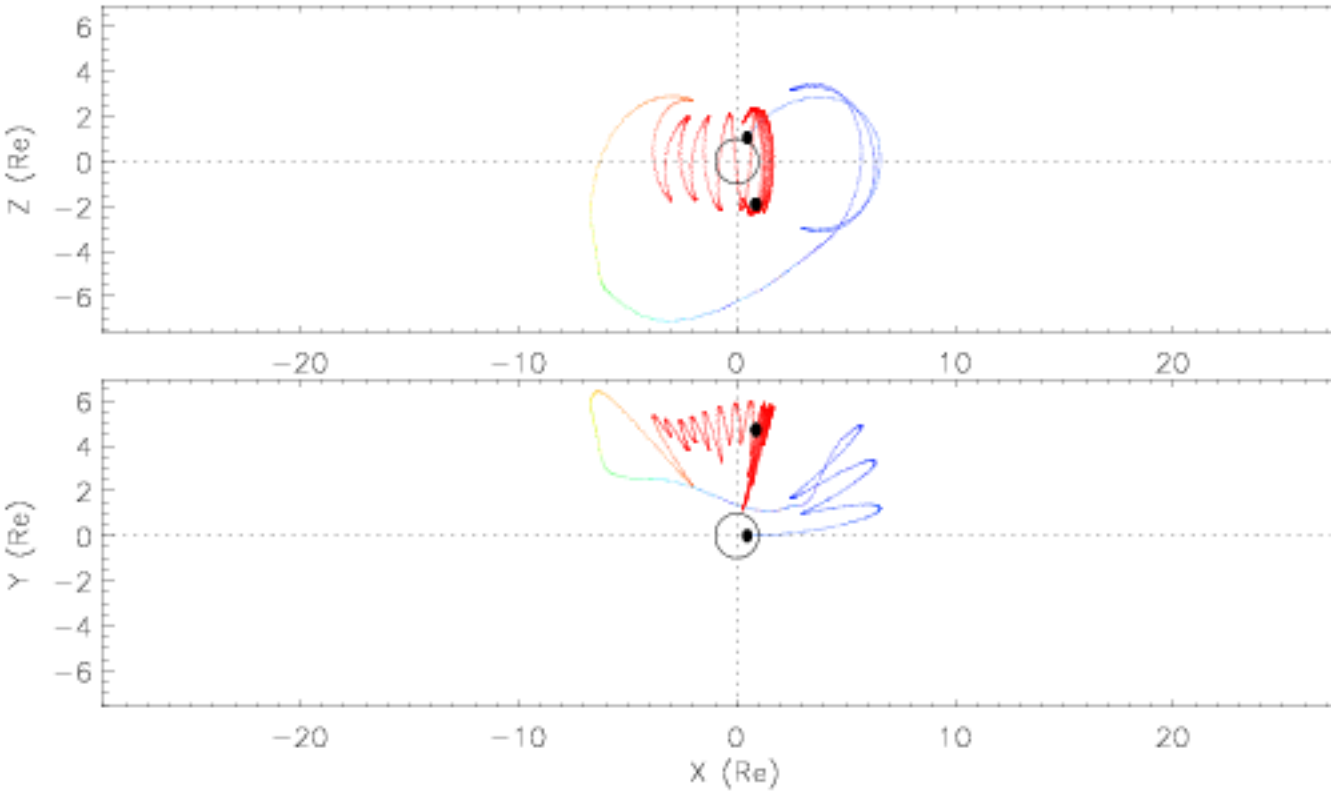

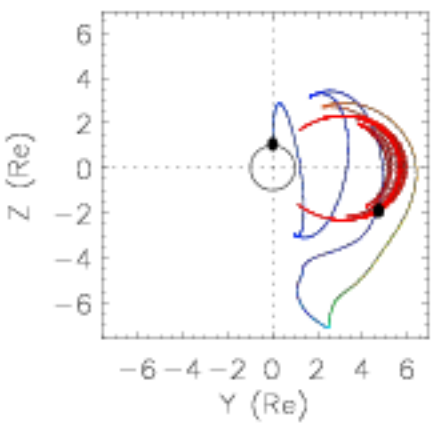

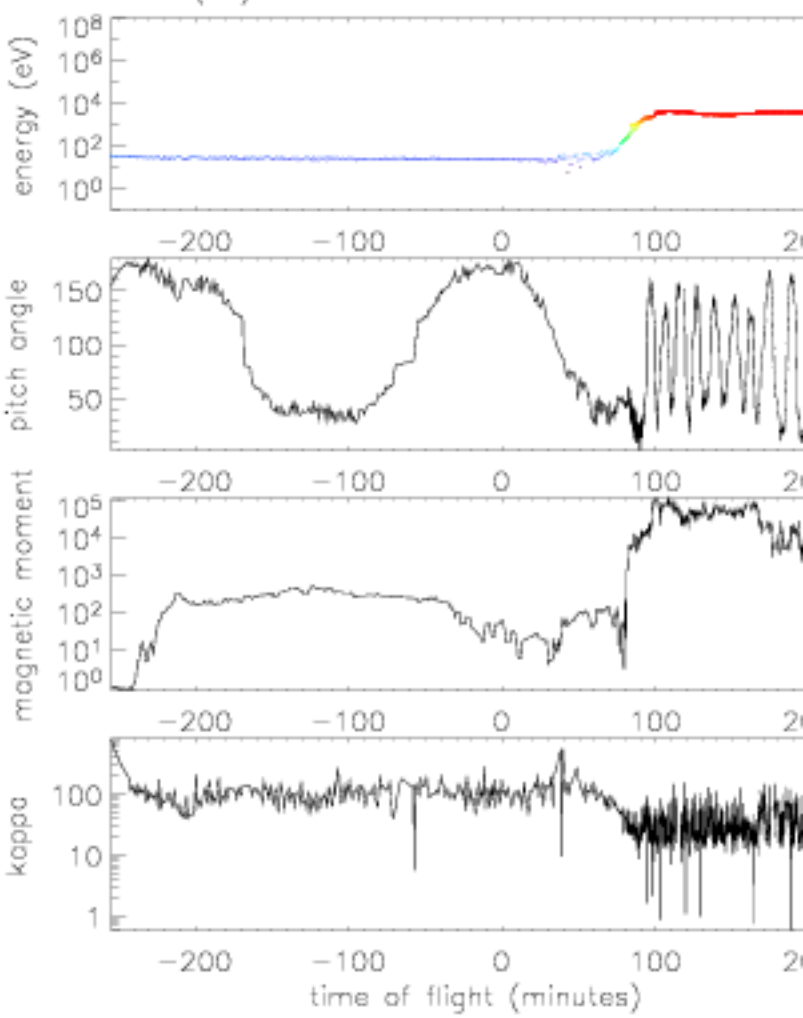

Start, Stop Parameters:

Time (minute): −254.5, 220.8
Magnetic local time: 12.010, 17.300
Magnetic latitude: 65.660,−21.650
Distance (Re): 1.16, 5.16
Energy (eV): 38.90, 3930.00
Pitch angle: 153.600, 46.850
Tilt angle (deg): 0.000

file: particle0007165.full

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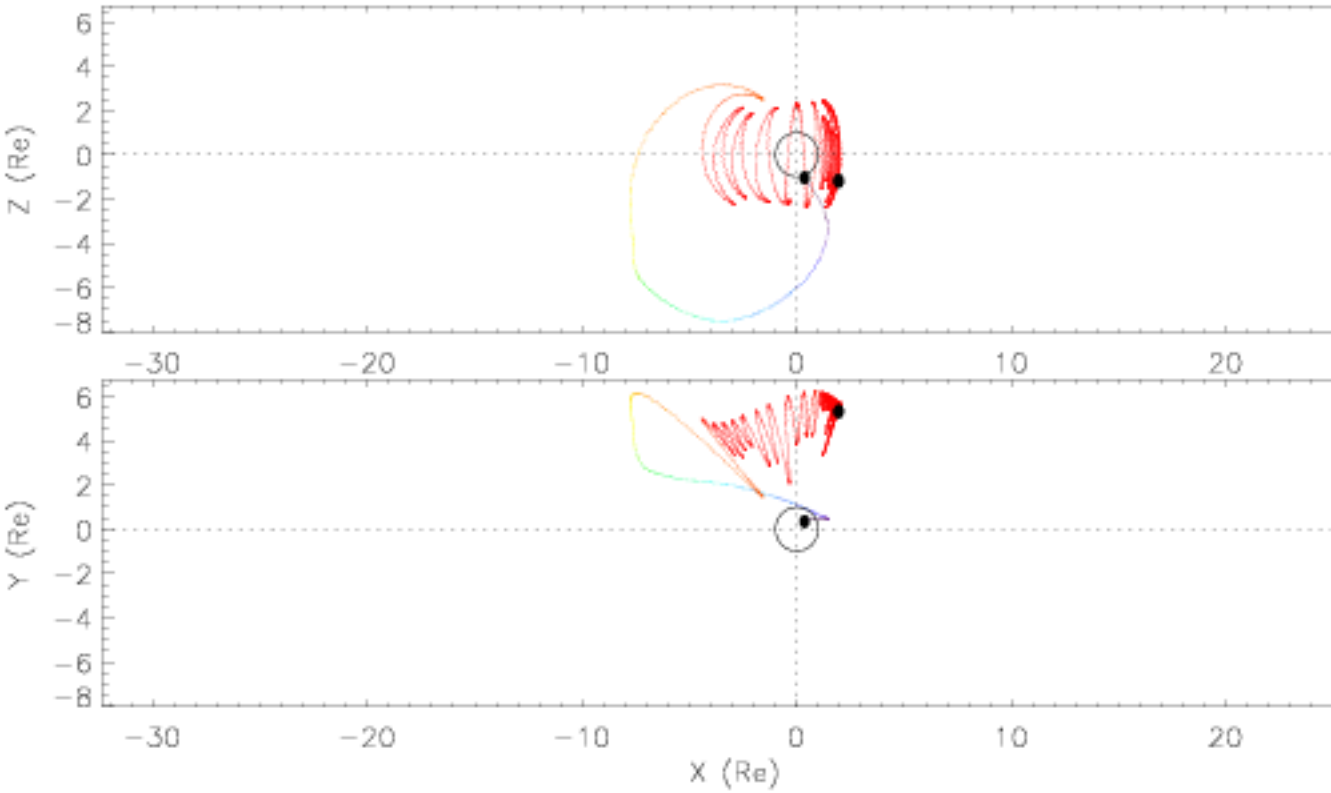

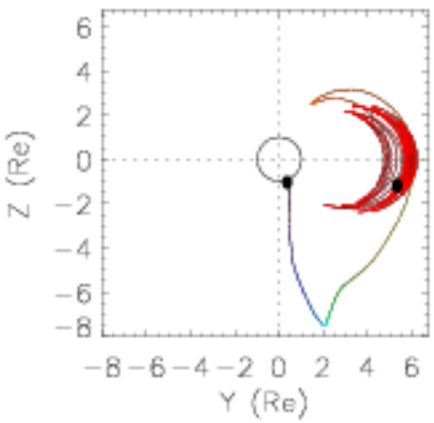

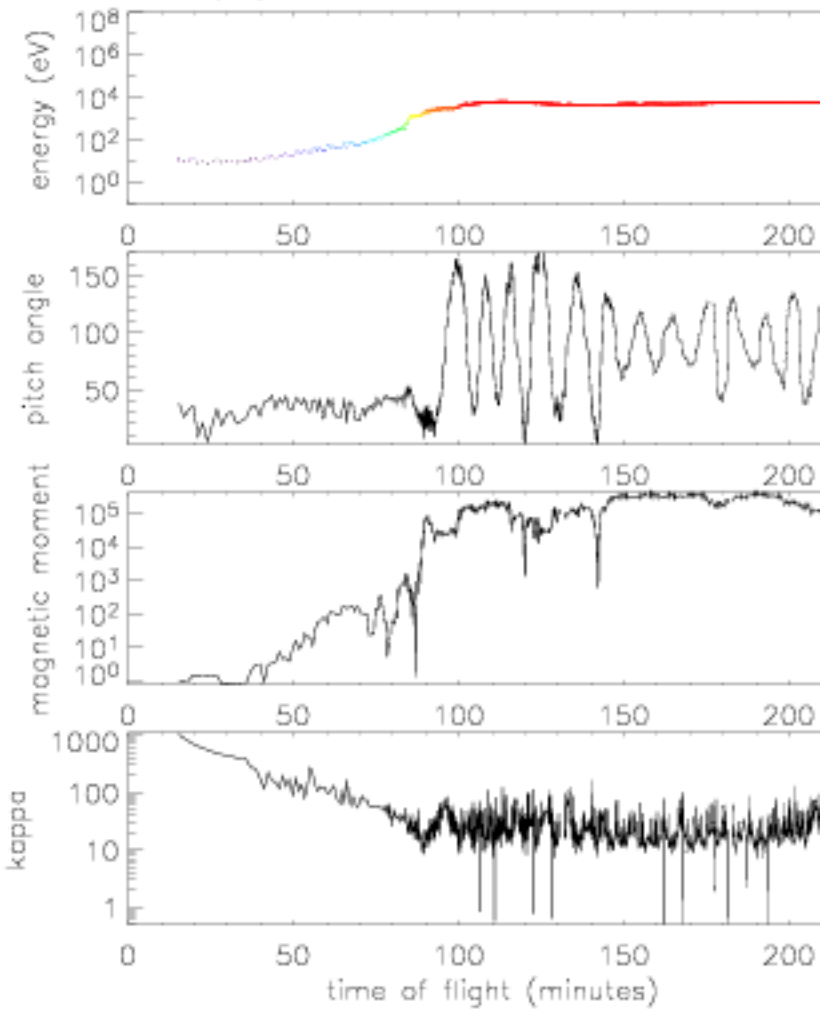

Start, Stop Parameters:

Time (minute): 15.4, 220.8
Magnetic local time: 14.930, 16.660
Magnetic latitude: −64.380, −11.820
Distance (Re): 1.16, 5.80
Energy (eV): 12.59, 5695.00
Pitch angle: 35.430, 128.100
Tilt angle (deg): 0.000

file: particle0007270.full

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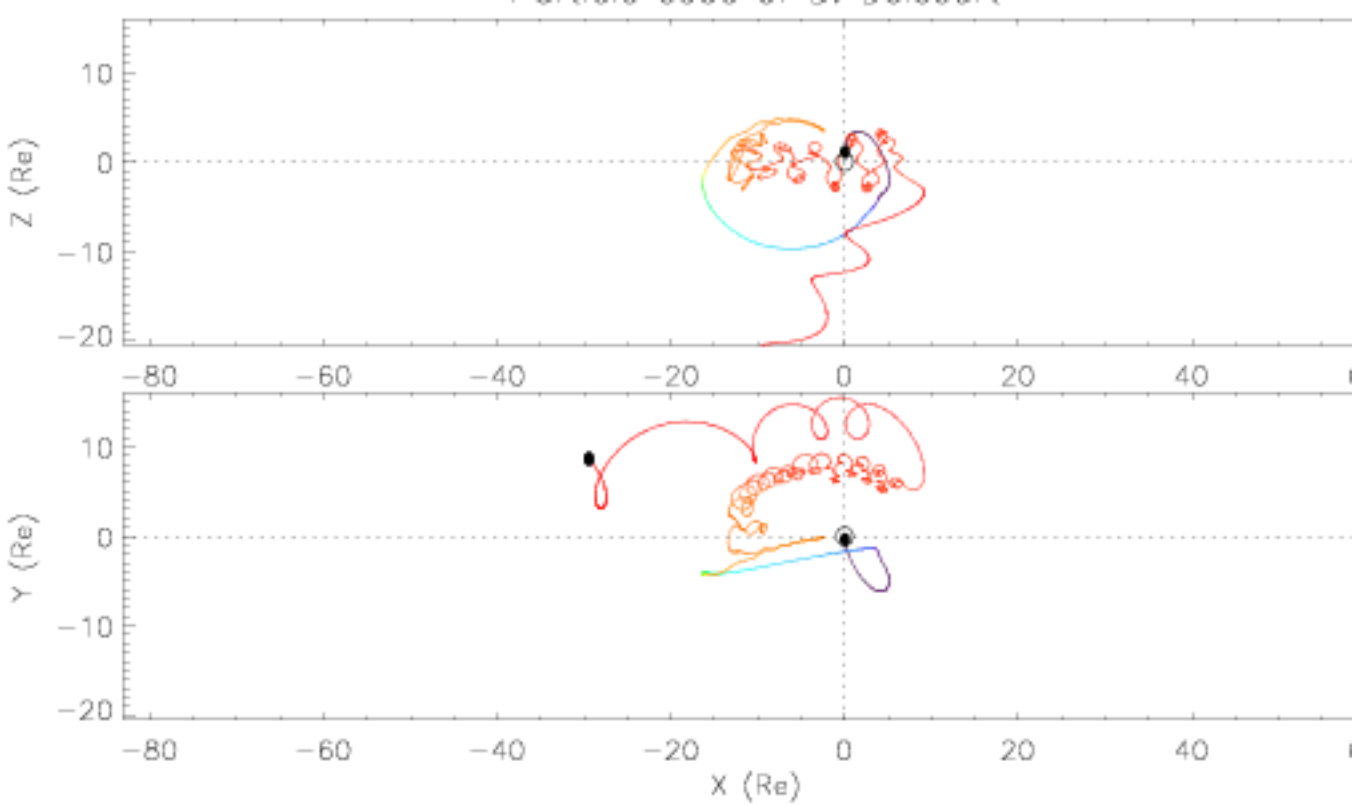

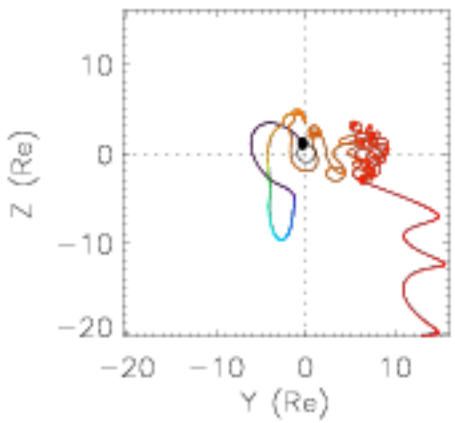

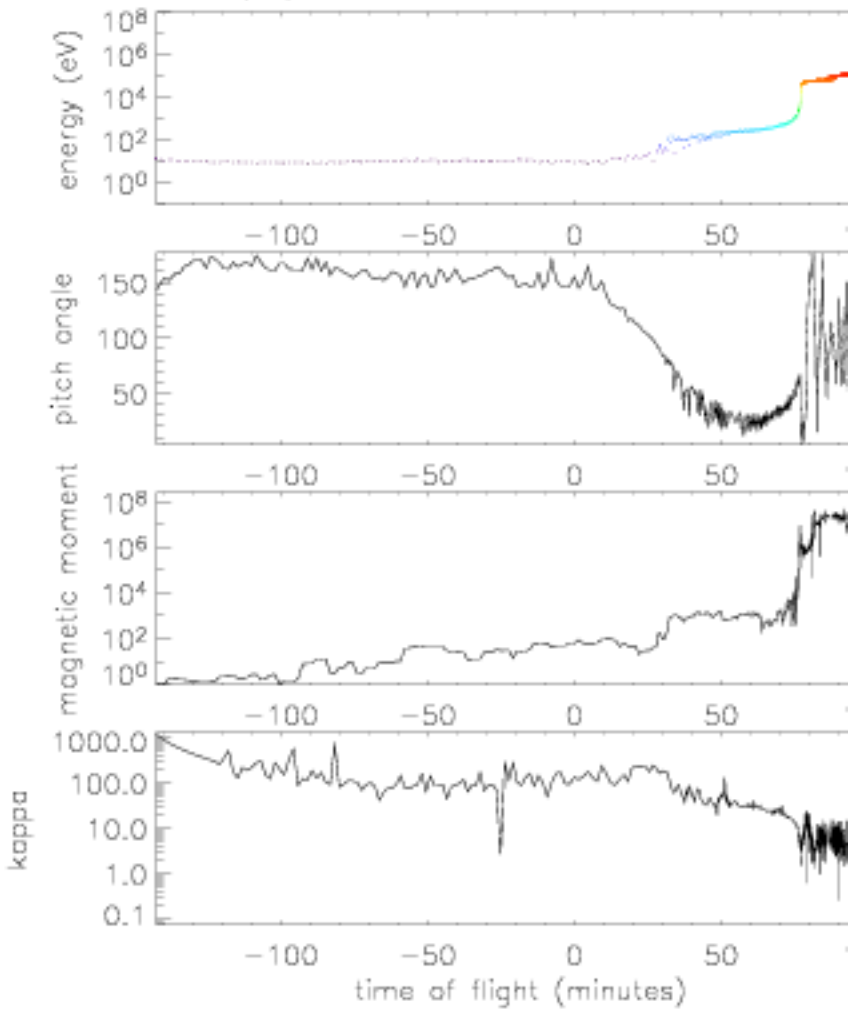

Start, Stop Parameters:

Time (minute): −142.5, 105.9
Magnetic local time: 6.302, 22.910
Magnetic latitude: 70.020,−63.980
Distance (Re): 1.16, 70.00
Energy (eV): 13.93, 237300.00
Pitch angle: 143.700, 40.620
Tilt angle (deg): 0.000

file: particle0007509.full

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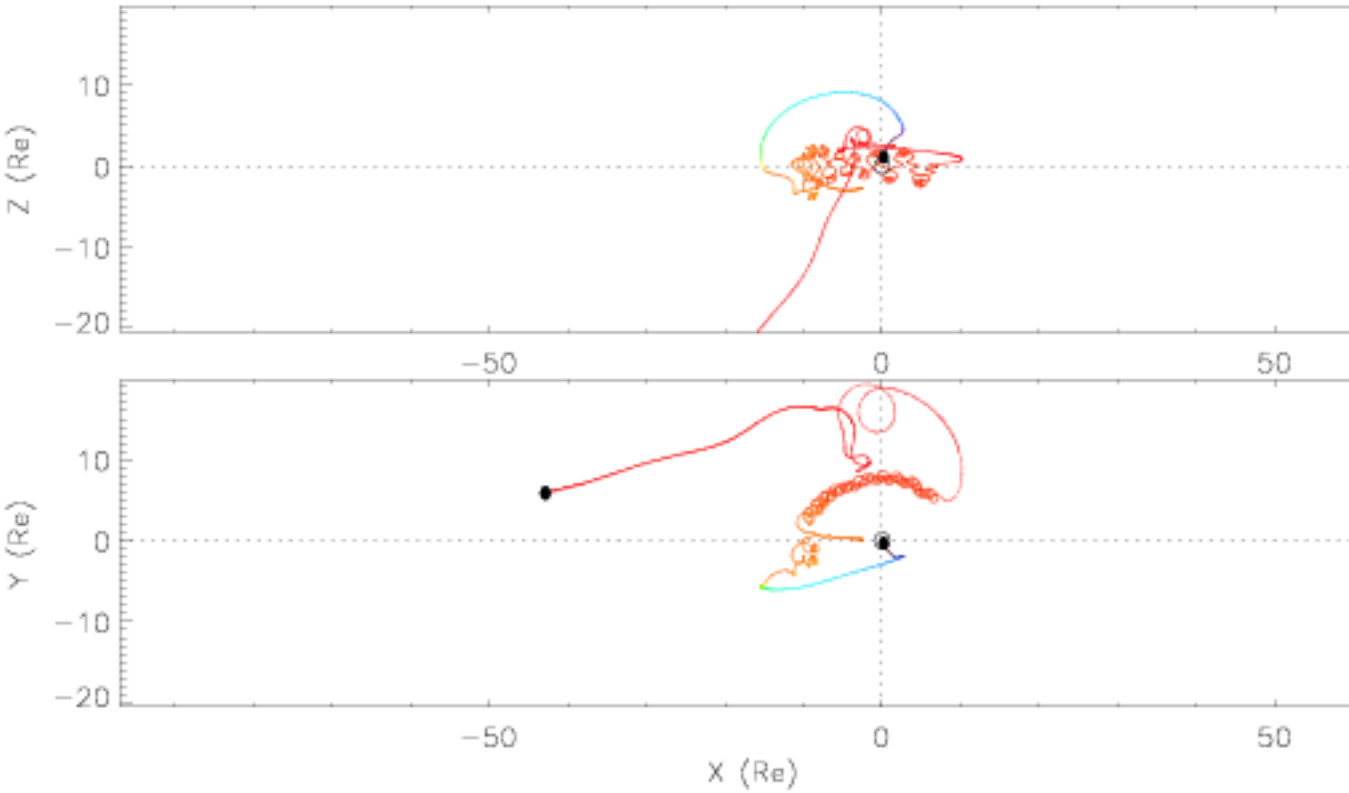

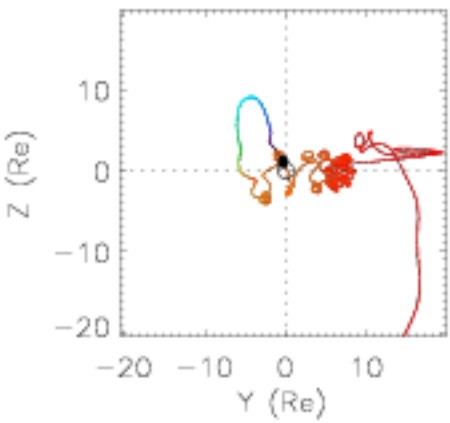

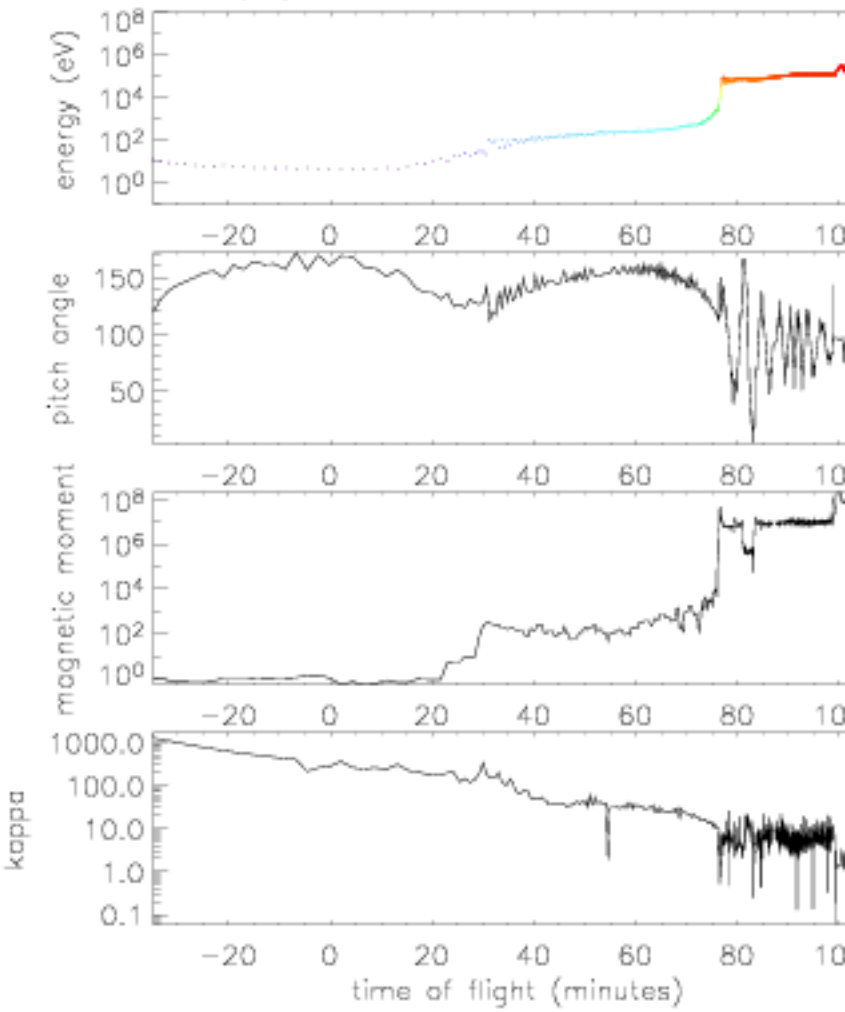

Start, Stop Parameters:

Time (minute): −34.7, 108.6
Magnetic local time: 7.885, 23.480
Magnetic latitude: 70.620,−51.860
Distance (Re): 1.16, 70.01
Energy (eV): 11.59, 183800.00
Pitch angle: 123.600, 14.160
Tilt angle (deg): 0.000

file: particle0007663.full

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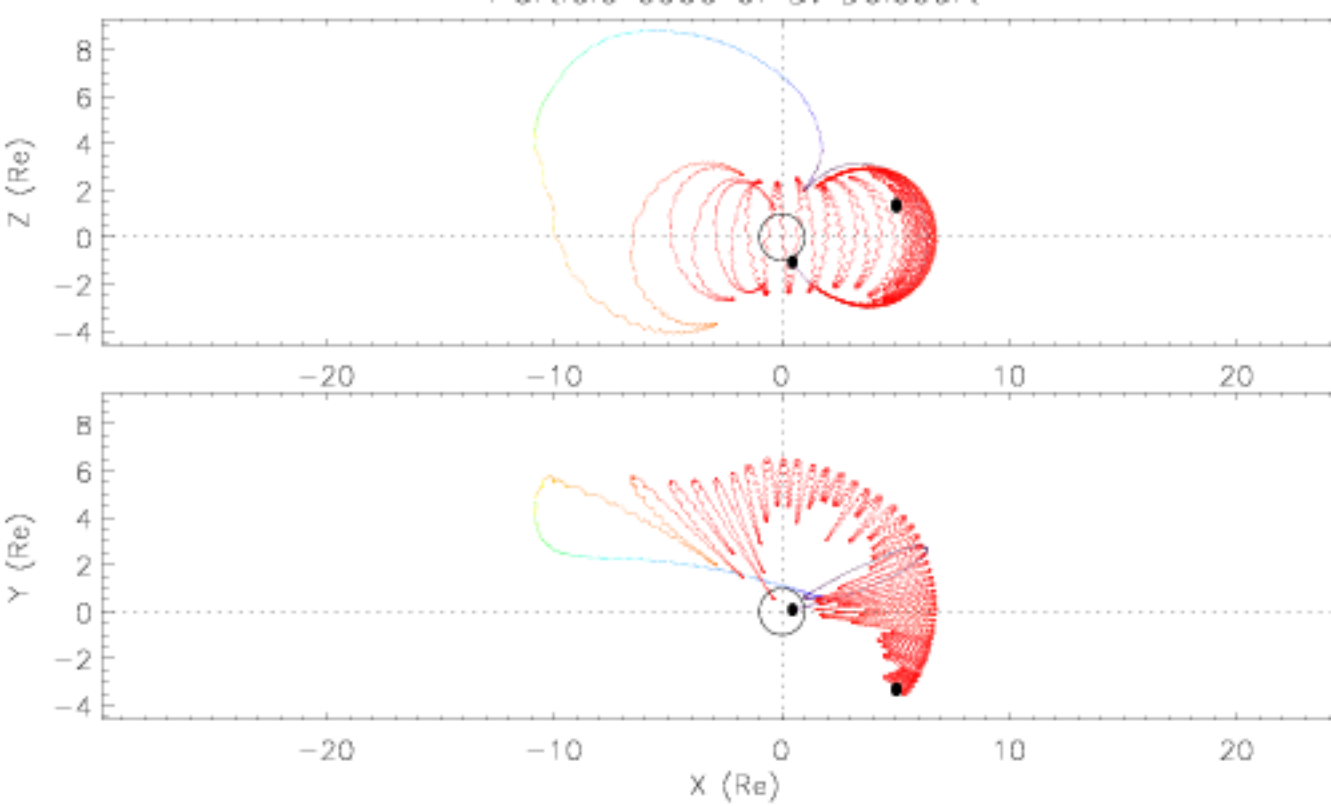

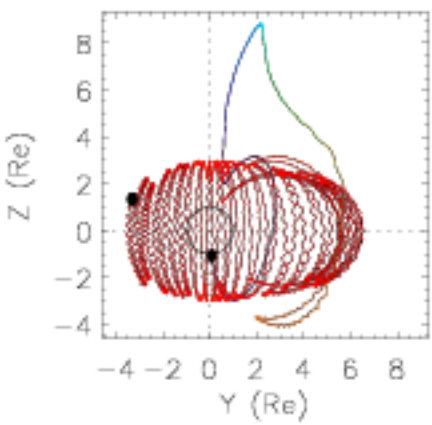

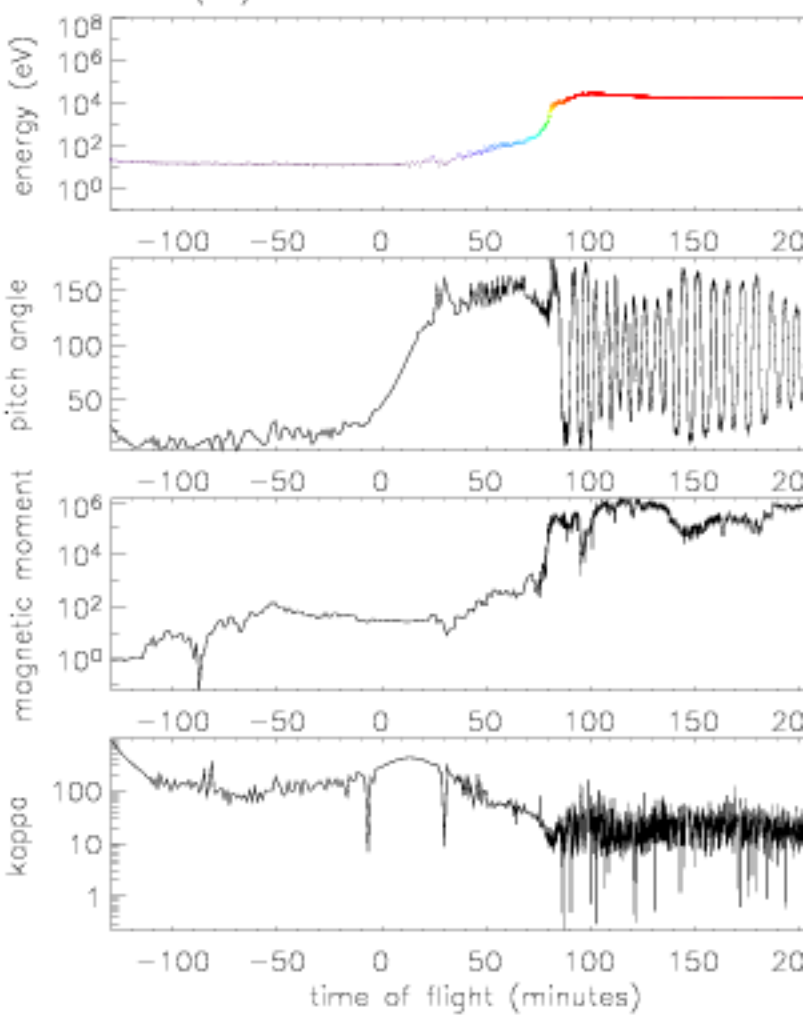

Start, Stop Parameters:

Time (minute): −129.7, 220.8
Magnetic local time: 12.670, 9.773
Magnetic latitude: −65.890, 12.630
Distance (Re): 1.16, 6.17
Energy (eV): 23.87, 23190.00
Pitch angle: 26.500, 52.130
Tilt angle (deg): 0.000

file: particle0008732.full

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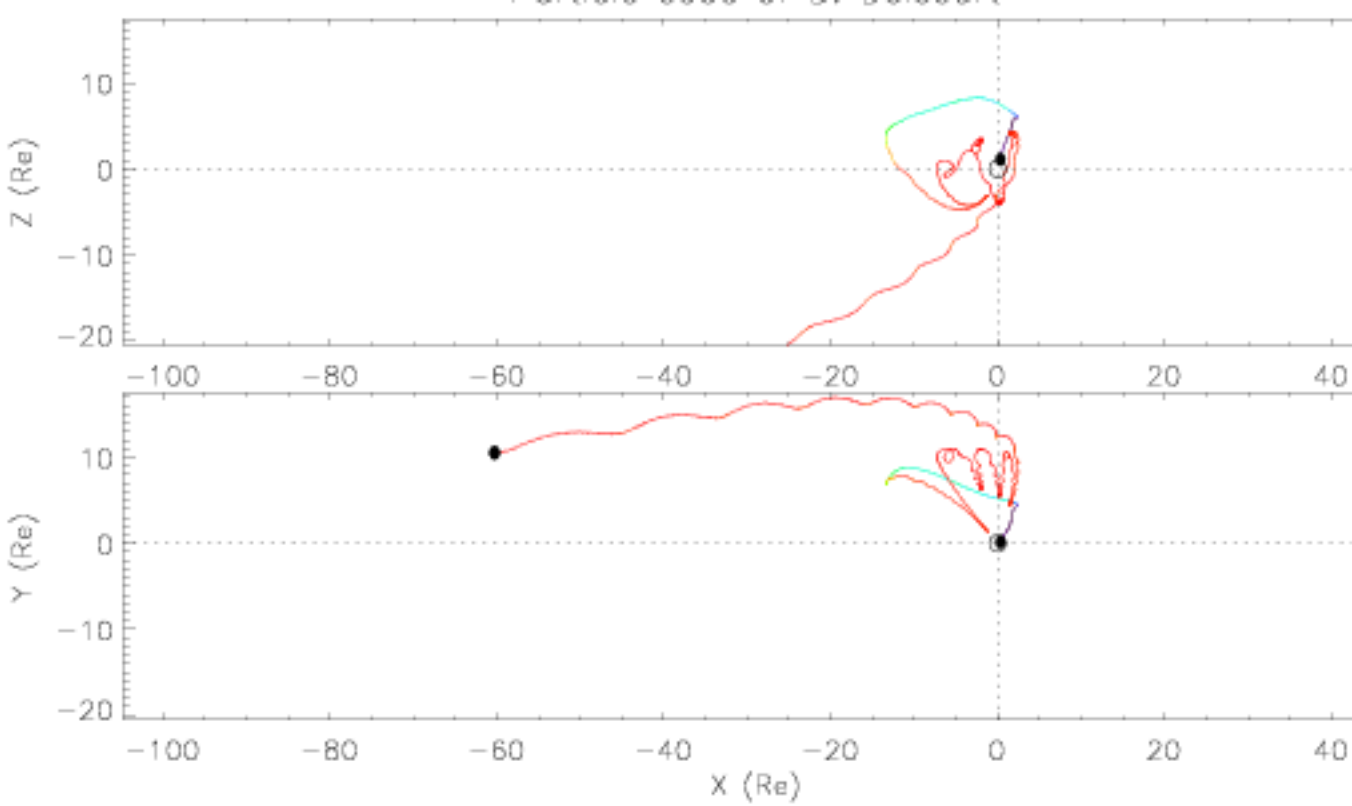

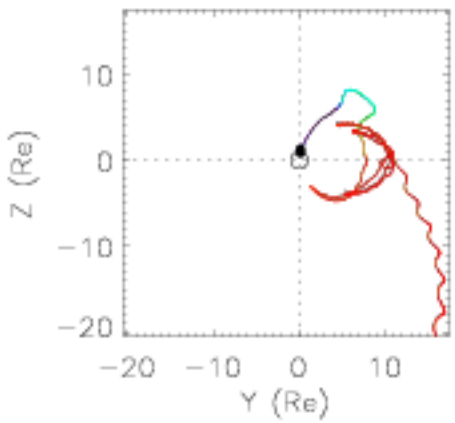

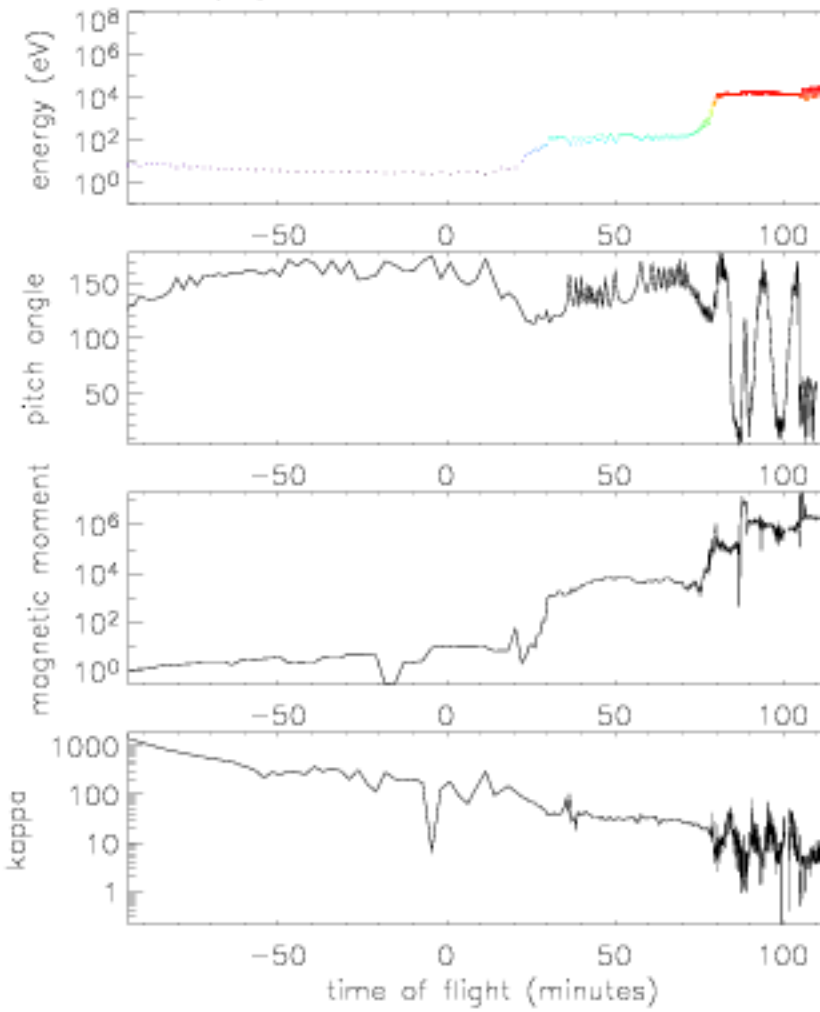

Start, Stop Parameters:

Time (minute): −94.5, 122.2
Magnetic local time: 13.540, 23.340
Magnetic latitude: 71.670,−29.060
Distance (Re): 1.16, 70.00
Energy (eV): 8.14, 17890.00
Pitch angle: 124.600, 22.350
Tilt angle (deg): 0.000

file: particle0008933.full

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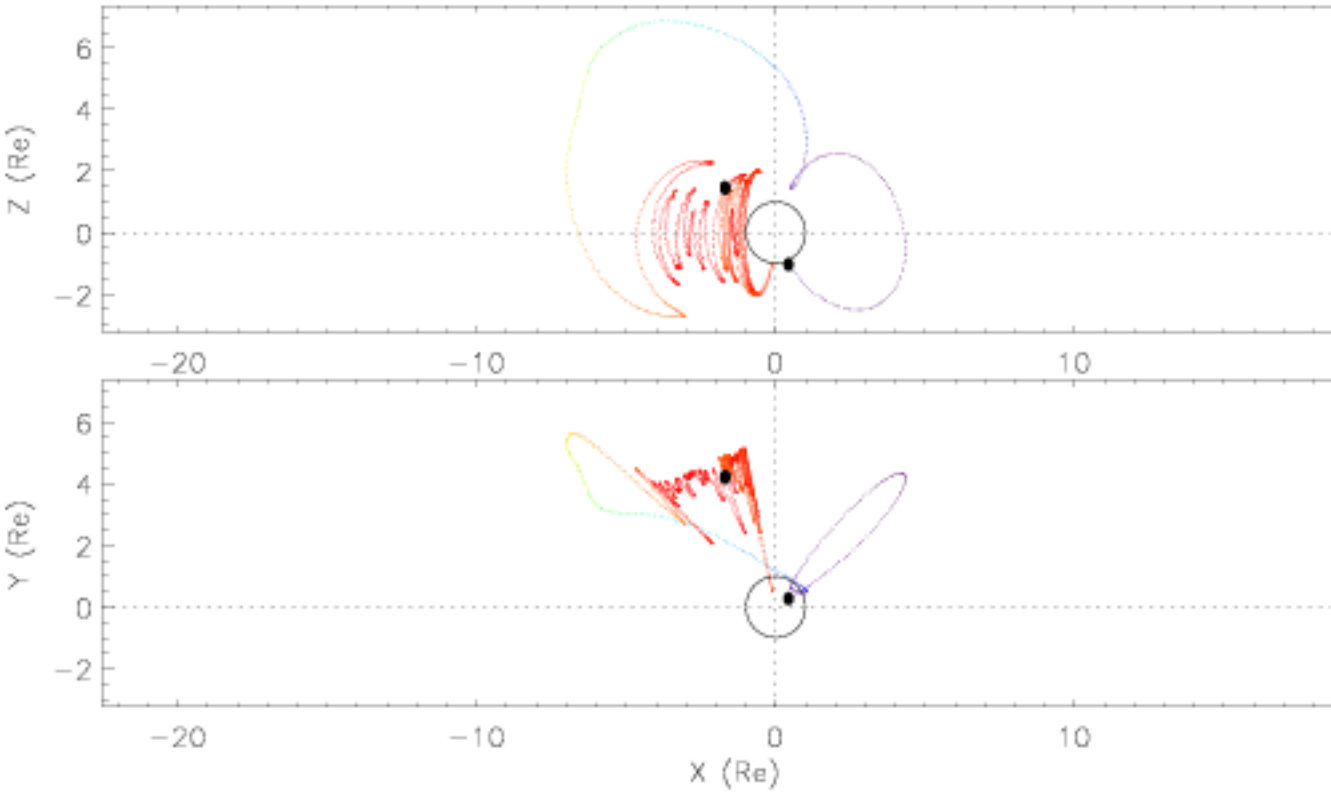

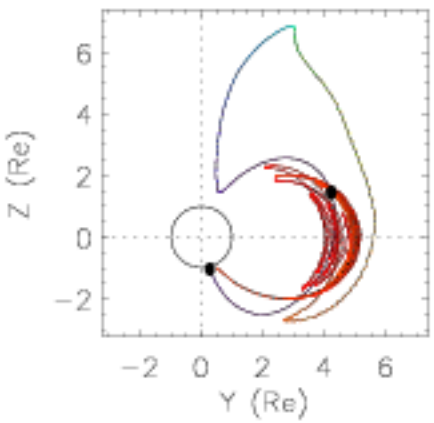

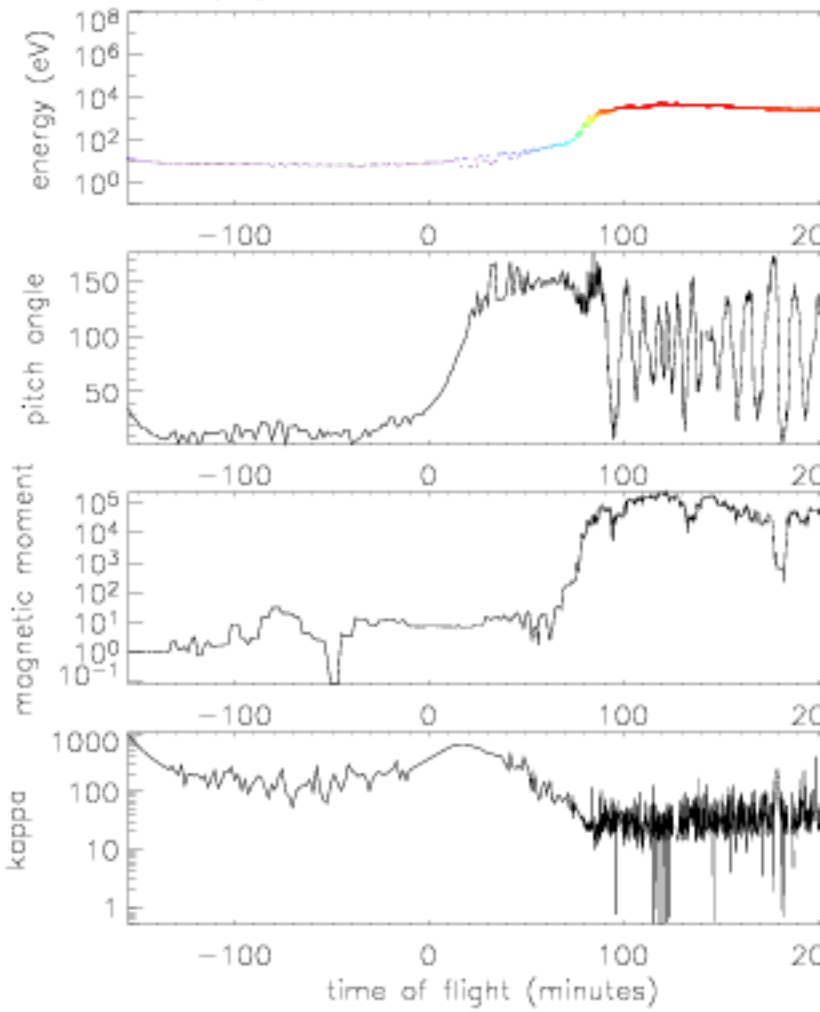

Start, Stop Parameters:

Time (minute): −154.7, 220.8
Magnetic local time: 14.160, 19.460
Magnetic latitude: −64.150, 17.690
Distance (Re): 1.16, 4.77
Energy (eV): 14.69, 2582.00
Pitch angle: 33.880, 91.760
Tilt angle (deg): 0.000

file: particle0009146.full

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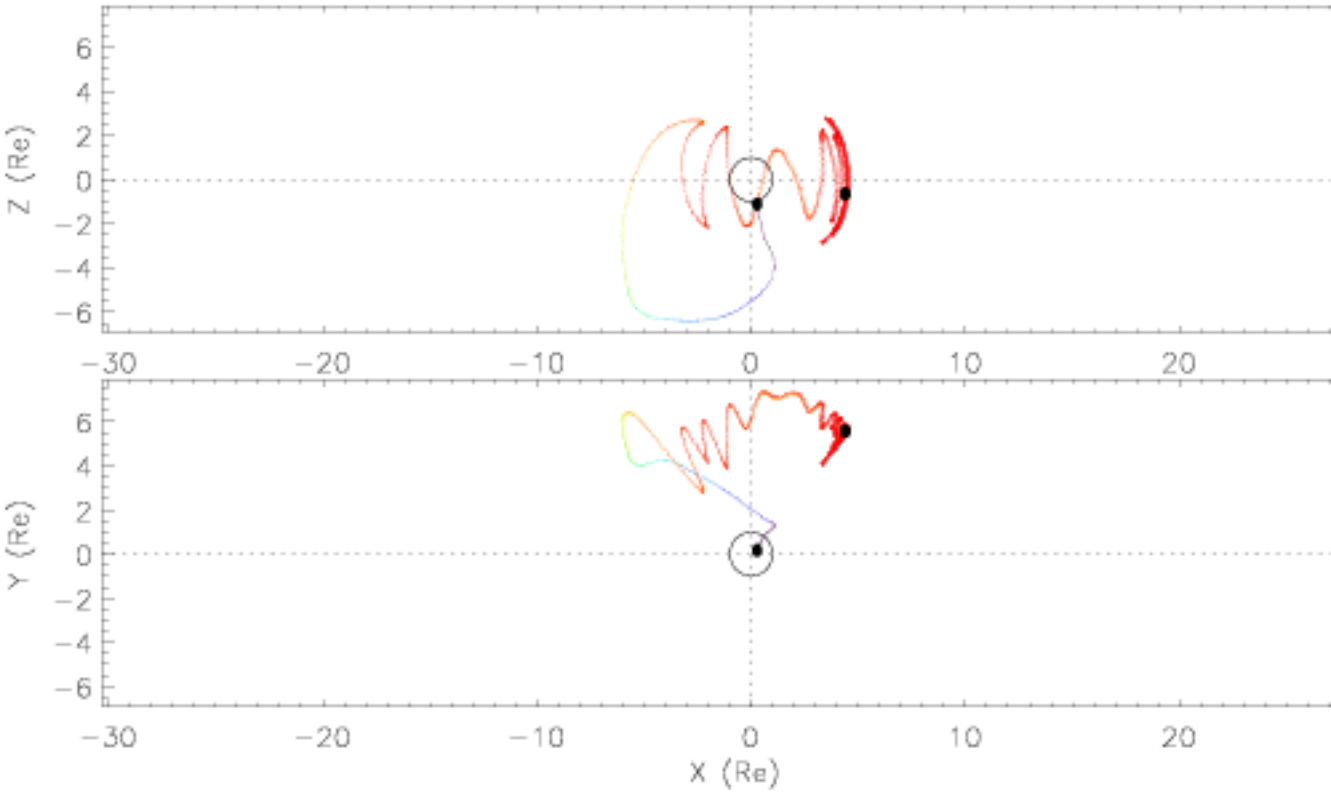

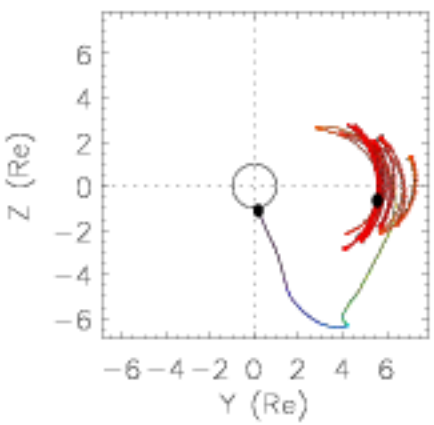

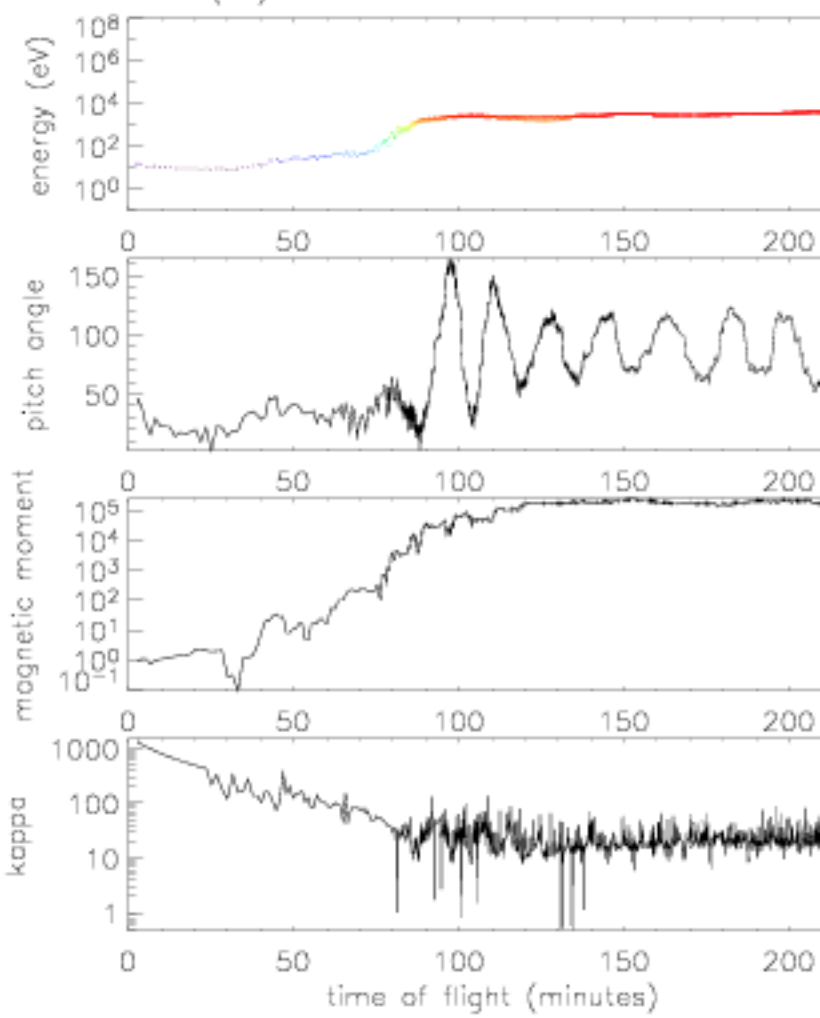

Start, Stop Parameters:

Time (minute): 2.6, 220.8
Magnetic local time: 14.100, 15.450
Magnetic latitude: −73.690, −5.247
Distance (Re): 1.16, 7.12
Energy (eV): 14.09, 4190.00
Pitch angle: 40.810, 38.840
Tilt angle (deg): 0.000

file: particle0009776.full

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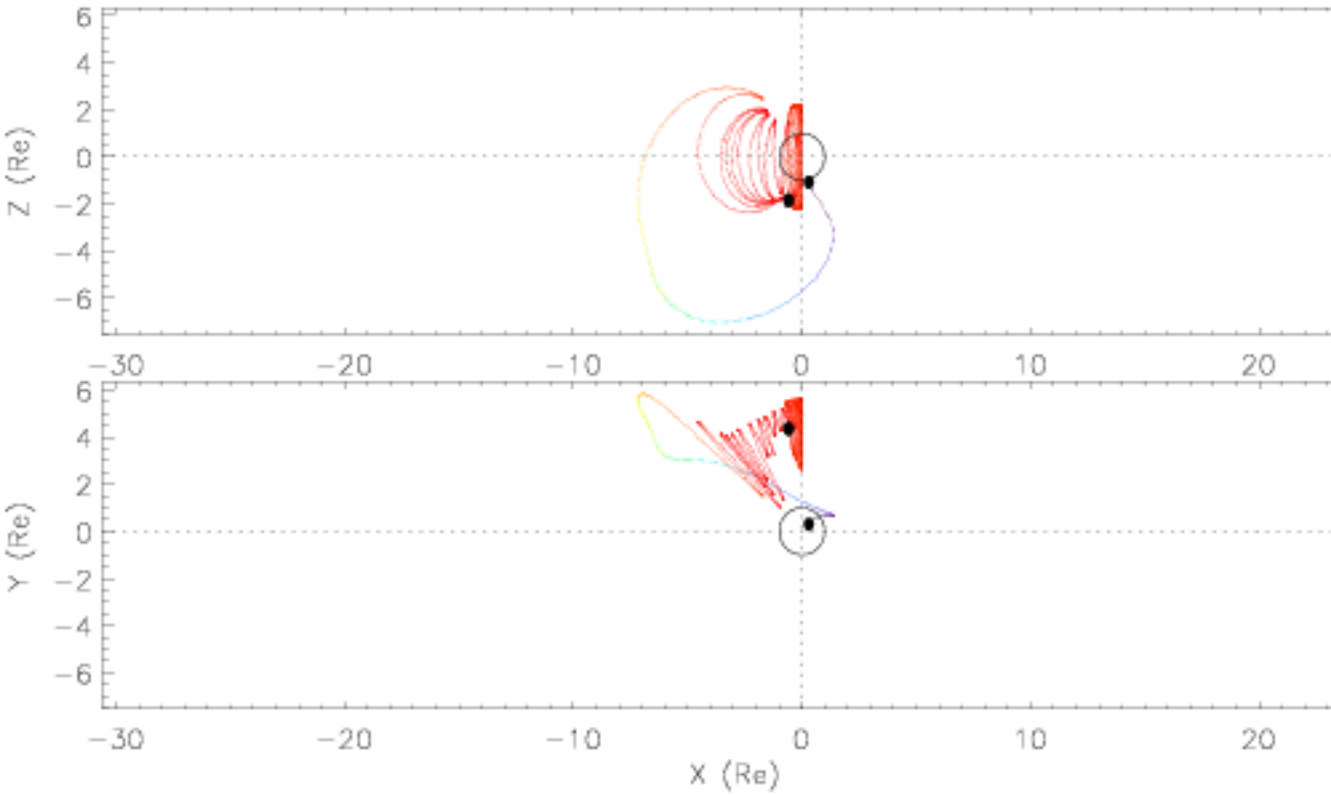

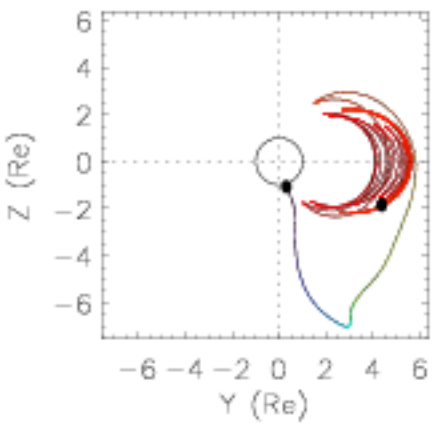

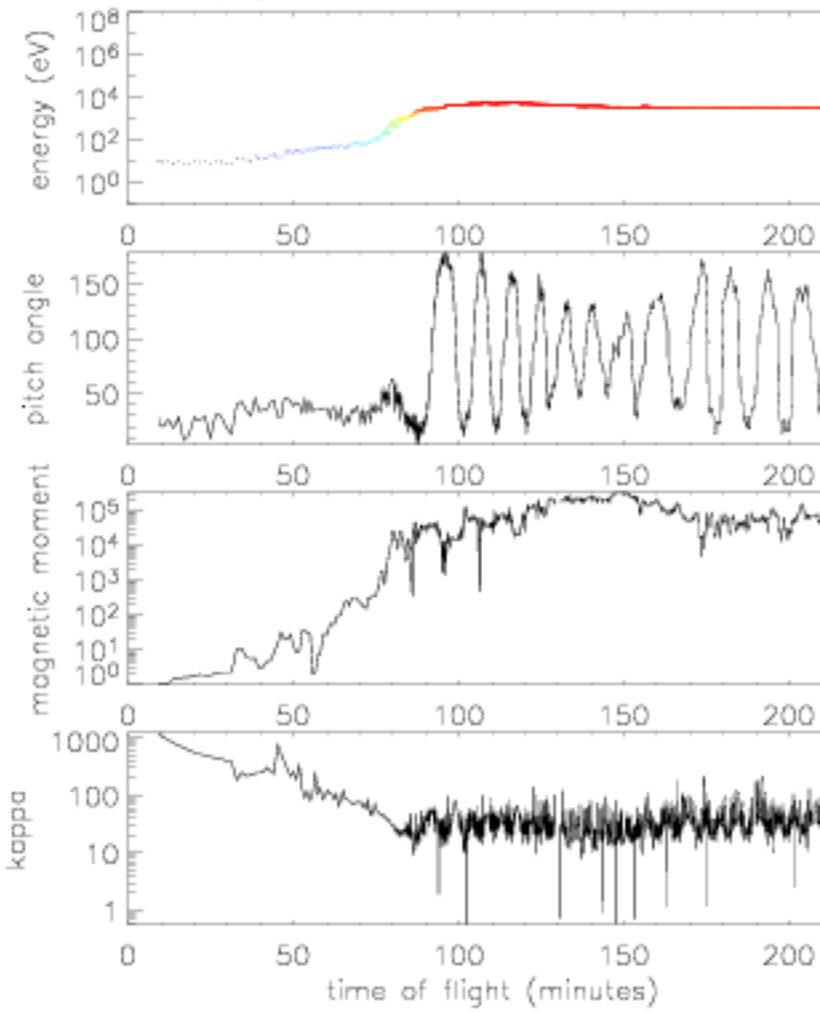

Start, Stop Parameters:

Time (minute): 9.1, 220.8
Magnetic local time: 15.000, 18.510
Magnetic latitude: −68.410, −22.790
Distance (Re): 1.16, 4.76
Energy (eV): 11.59, 3623.00
Pitch angle: 28.800, 106.000
Tilt angle (deg): 0.000

file: particle0009904.full

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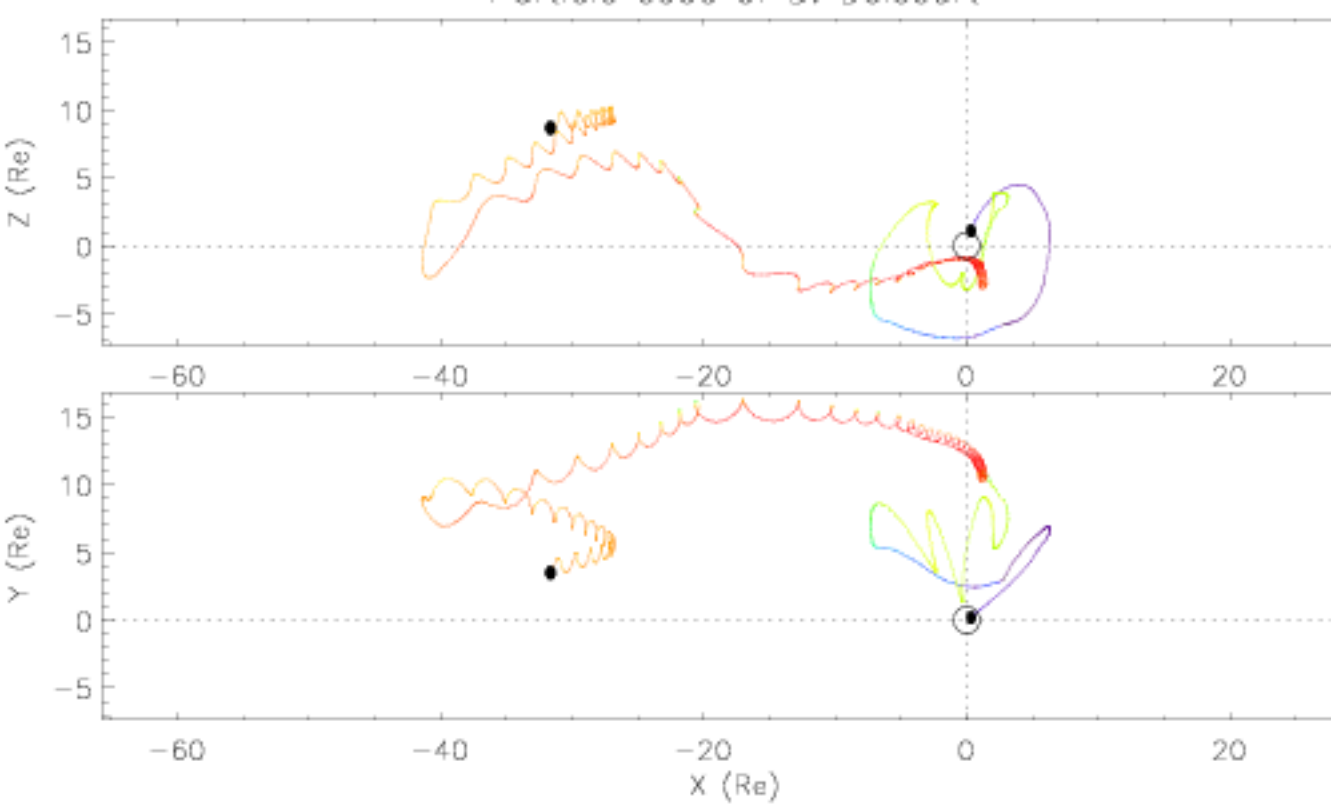

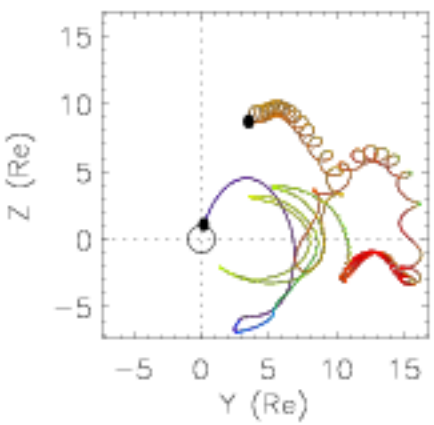

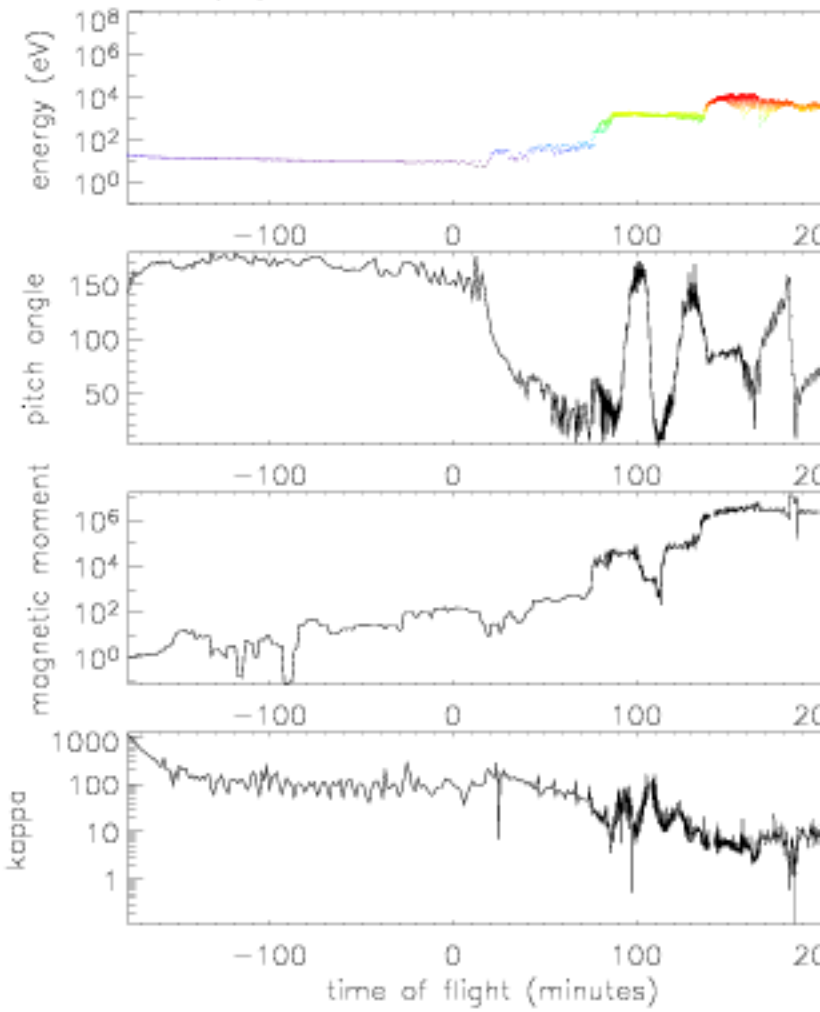

Start, Stop Parameters:

Time (minute): −177.3, 220.8
Magnetic local time: 13.880, 23.580
Magnetic latitude: 70.990, 15.270
Distance (Re): 1.16, 32.99
Energy (eV): 21.19, 4635.00
Pitch angle: 145.000, 110.700
Tilt angle (deg): 0.000

file: particle0010369.full

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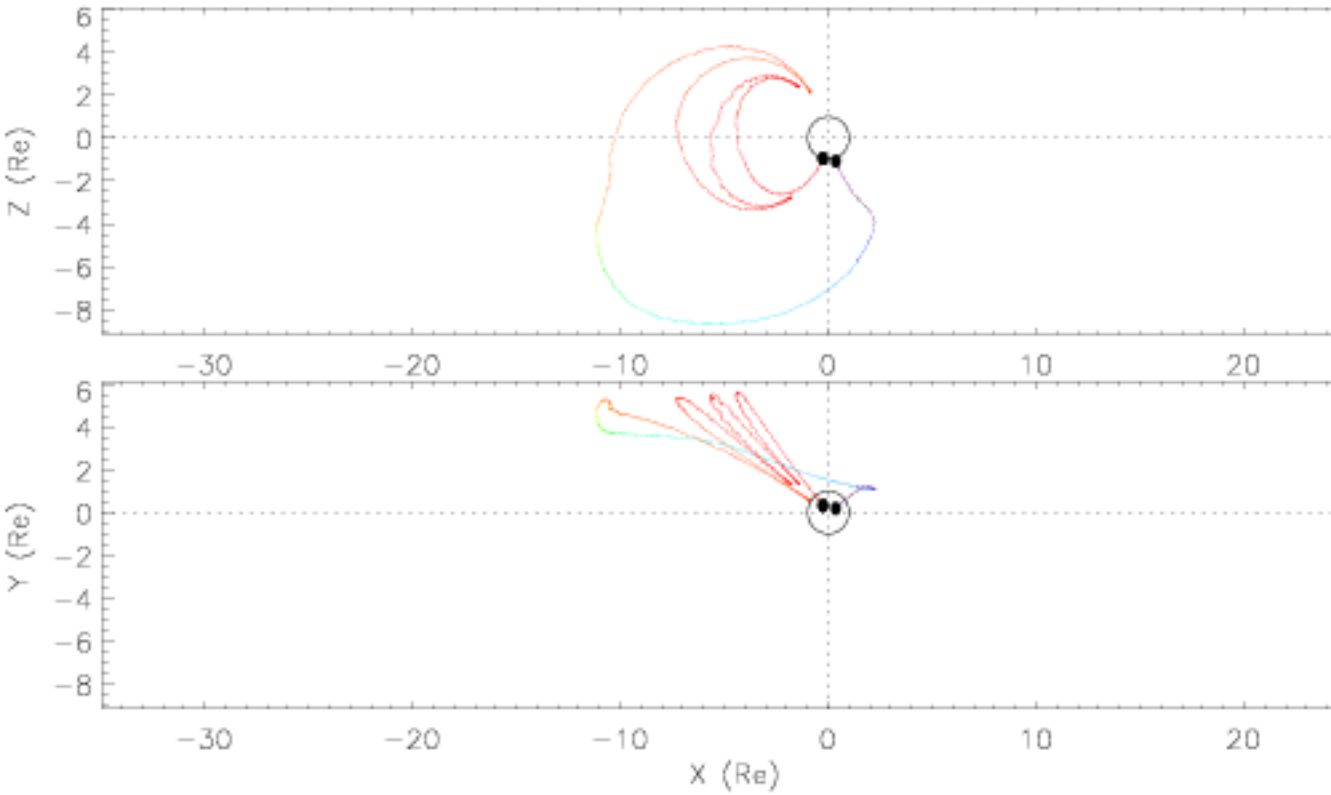

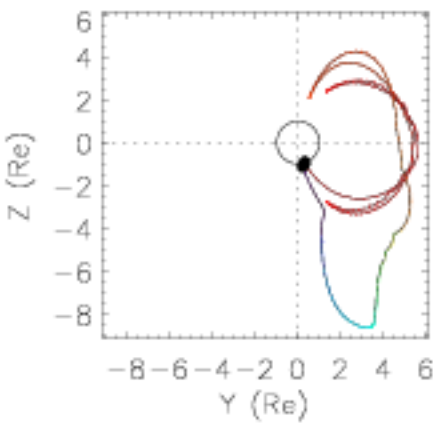

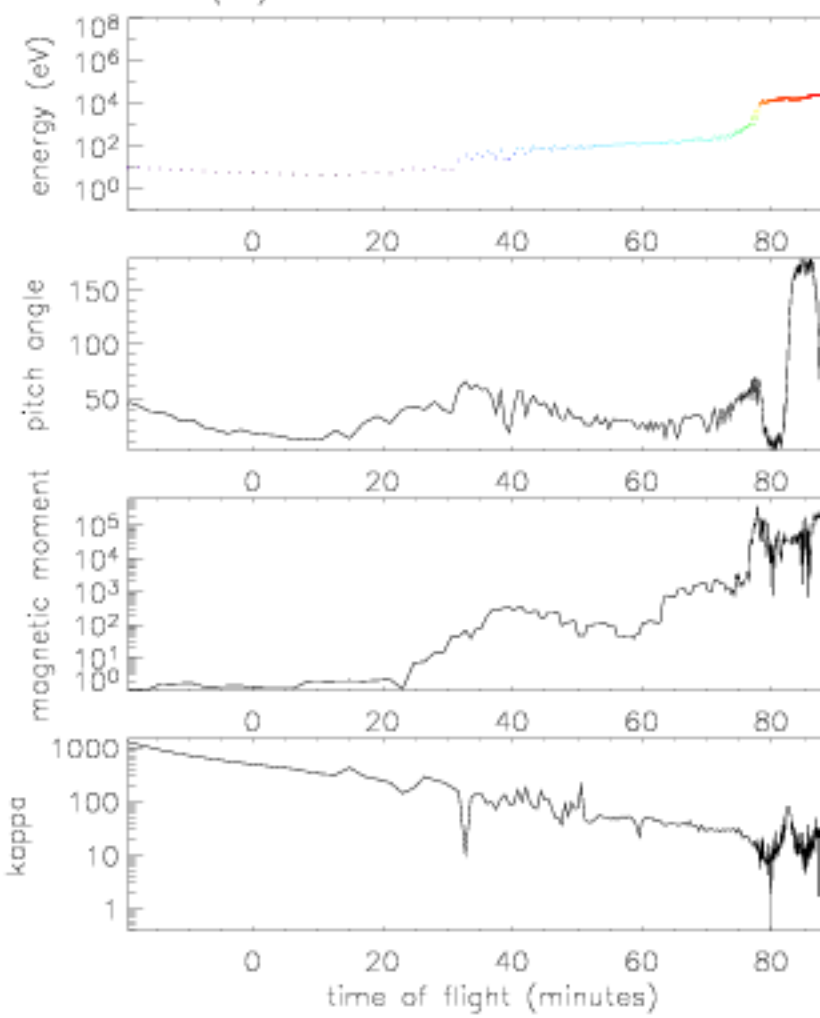

Start, Stop Parameters:

Time (minute): −19.2, 93.3
Magnetic local time: 13.860, 20.550
Magnetic latitude: −69.700, −66.590
Distance (Re): 1.16, 1.05
Energy (eV): 9.86, 41950.00
Pitch angle: 42.530, 120.800
Tilt angle (deg): 0.000

file: particle0013086.full

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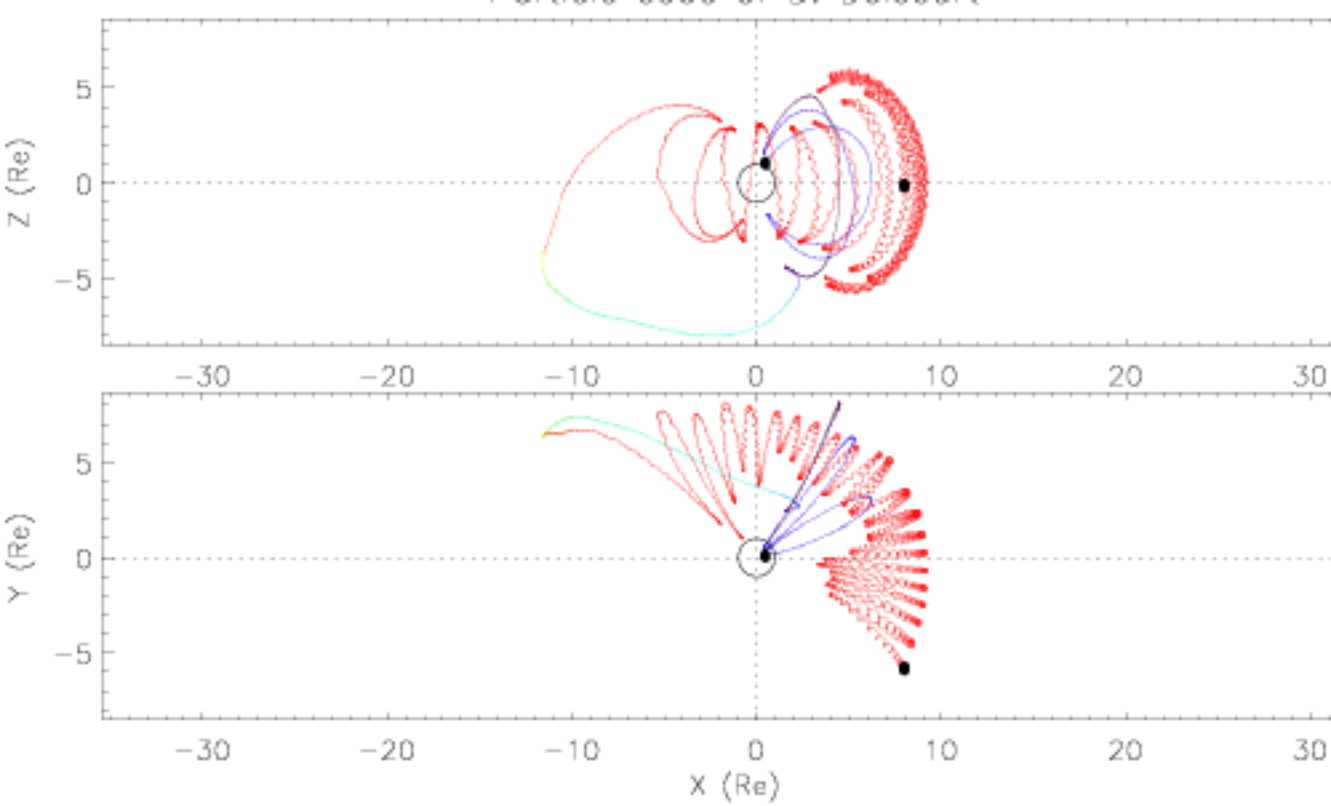

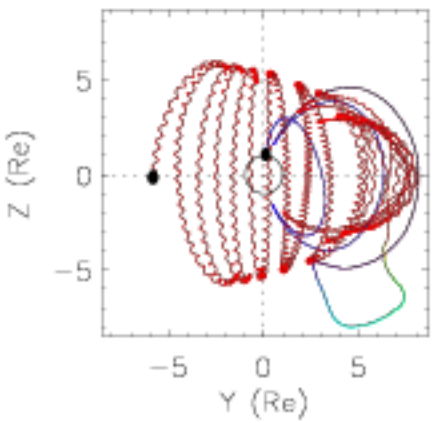

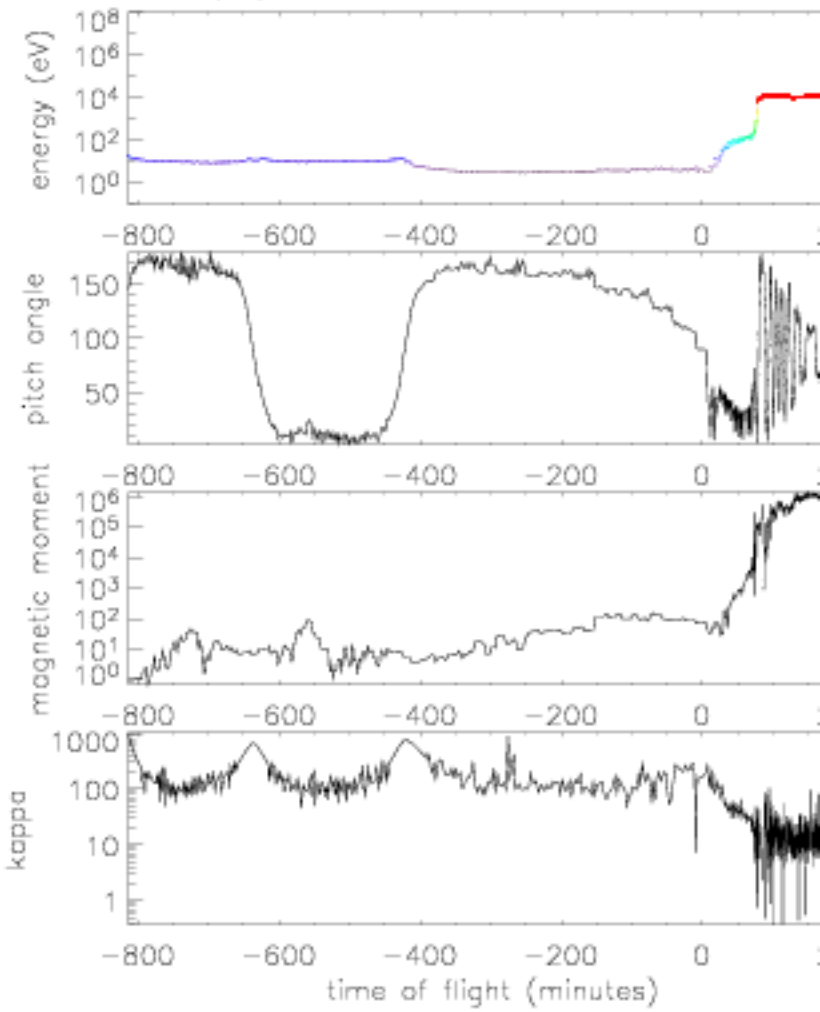

Start, Stop Parameters:

Time (minute): −813.2, 220.8
Magnetic local time: 12.740, 9.594
Magnetic latitude: 65.570, −0.776
Distance (Re): 1.16, 9.89
Energy (eV): 18.76, 14010.00
Pitch angle: 144.400, 127.000
Tilt angle (deg): 0.000

file: particle0013365.full

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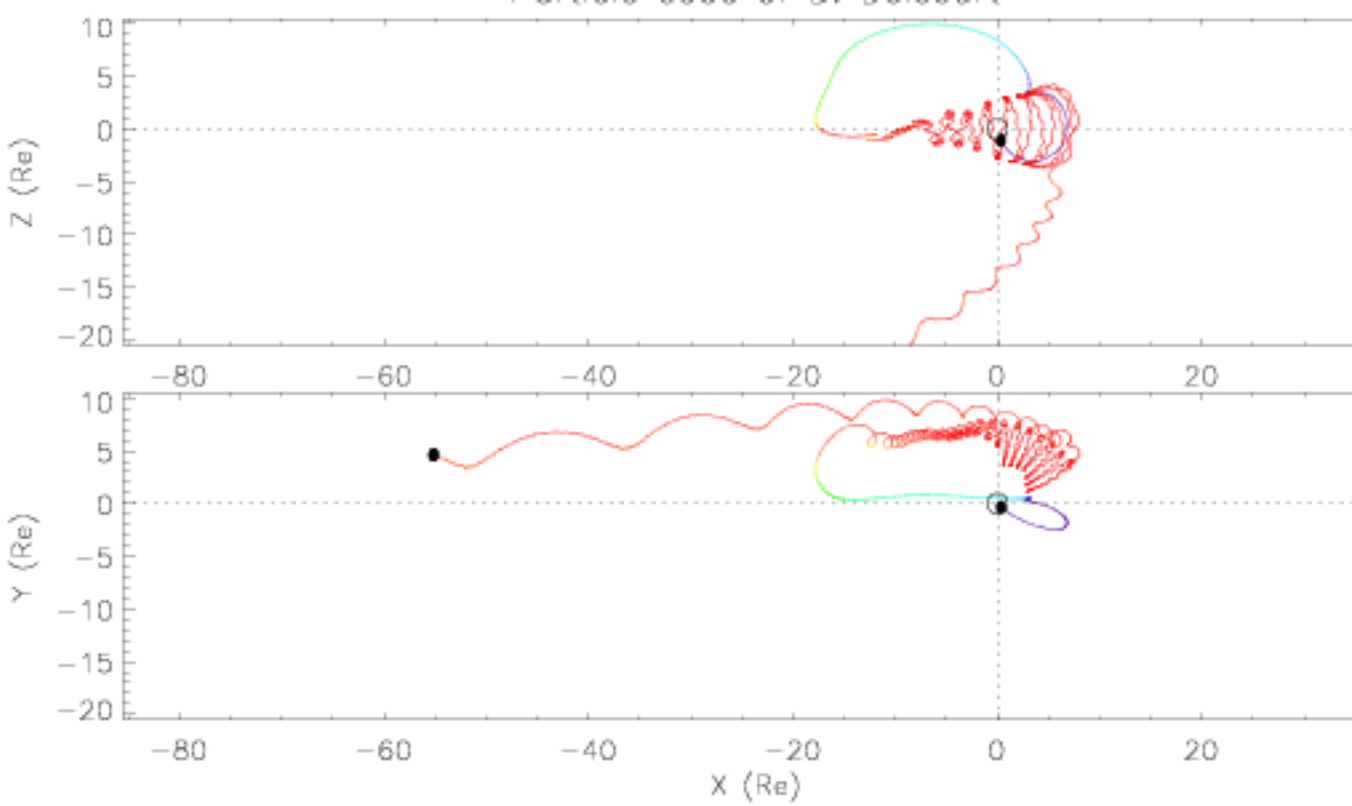

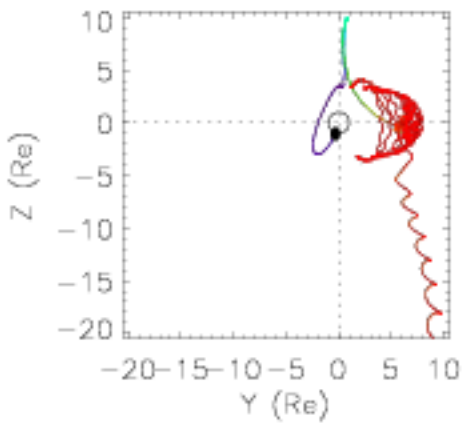

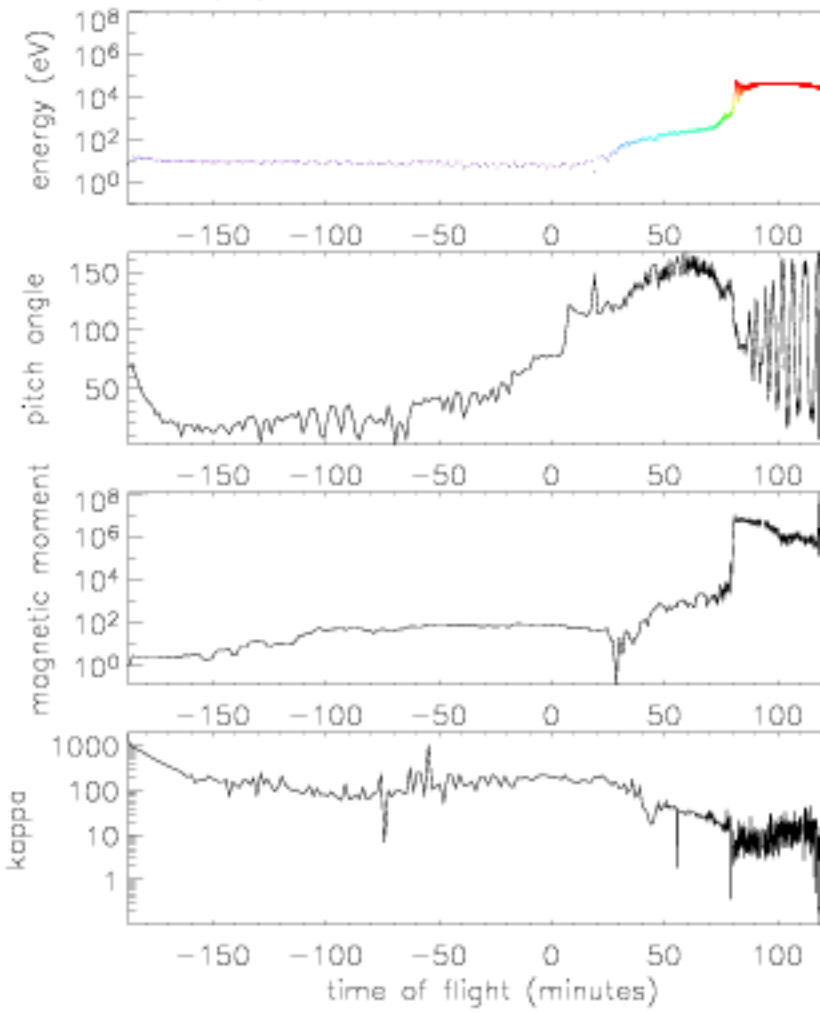

Start, Stop Parameters:

Time (minute): −187.5, 135.6
Magnetic local time: 9.018, 23.680
Magnetic latitude: −66.000, −37.780
Distance (Re): 1.16, 70.01
Energy (eV): 7.16, 34690.00
Pitch angle: 66.760, 39.280
Tilt angle (deg): 0.000

file: particle0015536.full

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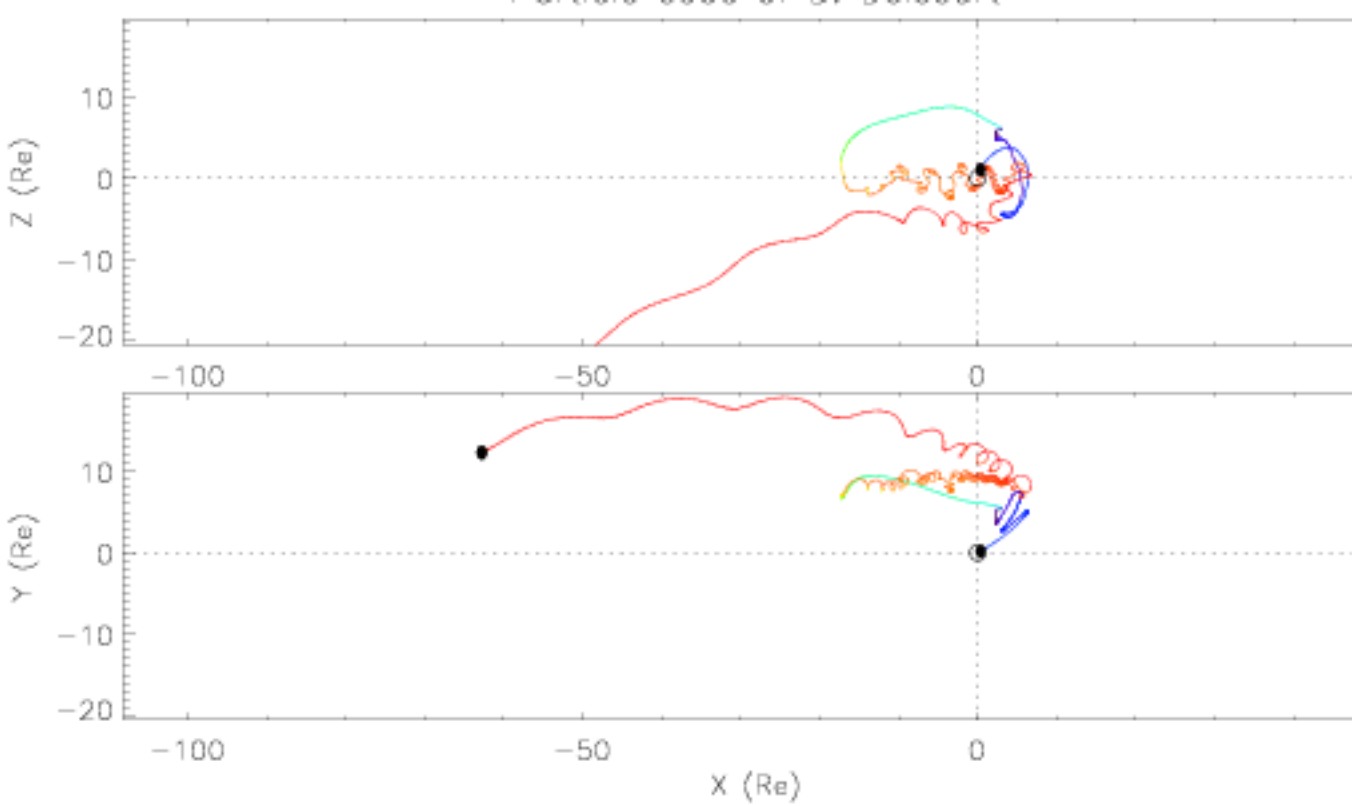

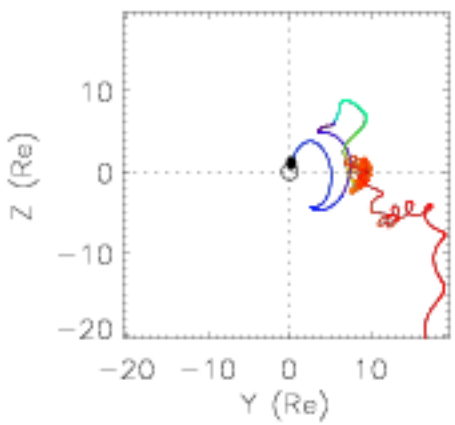

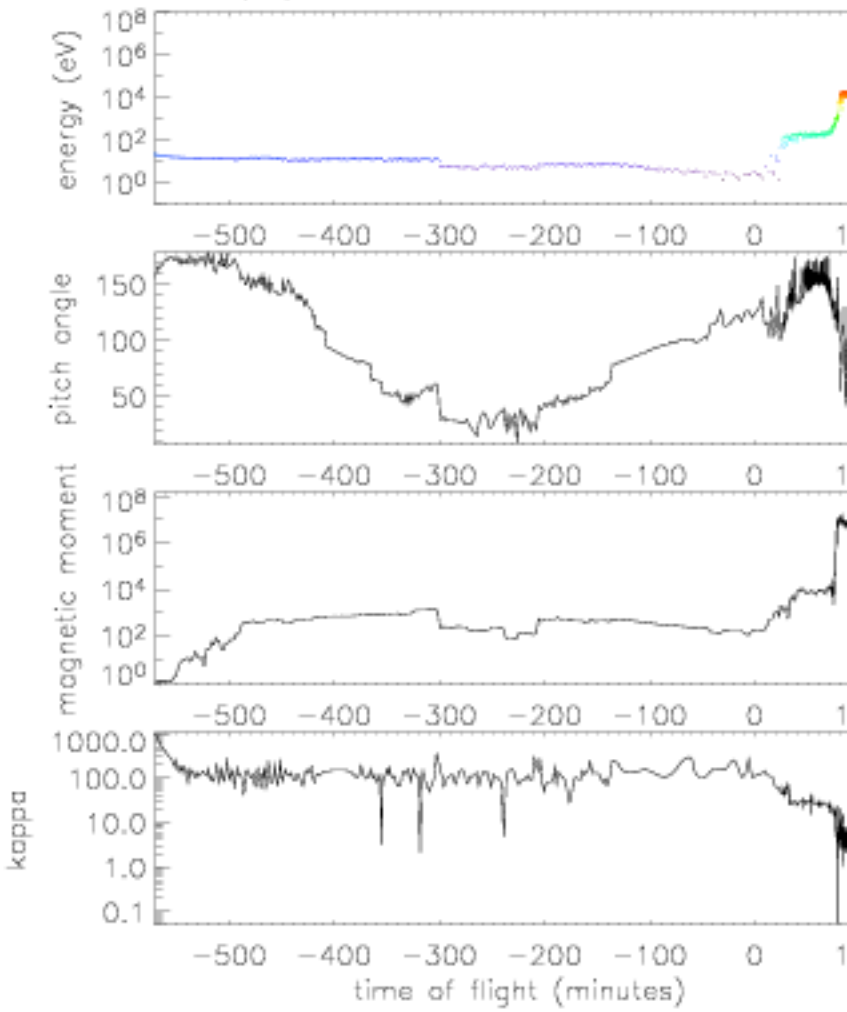

Start, Stop Parameters:

Time (minute): −570.3, 123.7
Magnetic local time: 13.730, 23.260
Magnetic latitude: 69.120,−23.950
Distance (Re): 1.16, 70.00
Energy (eV): 23.25, 38120.00
Pitch angle: 155.300, 8.809
Tilt angle (deg): 0.000

file: particle0015655.full

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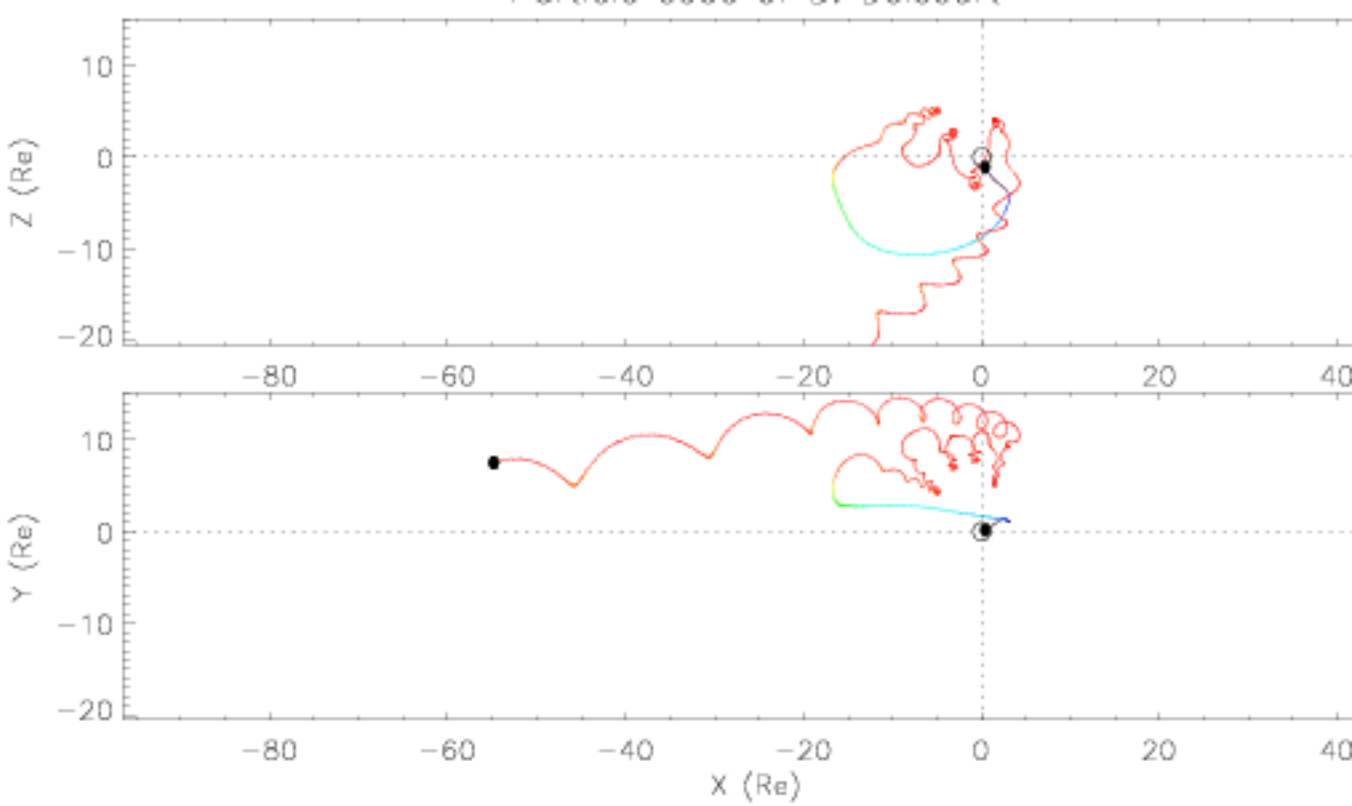

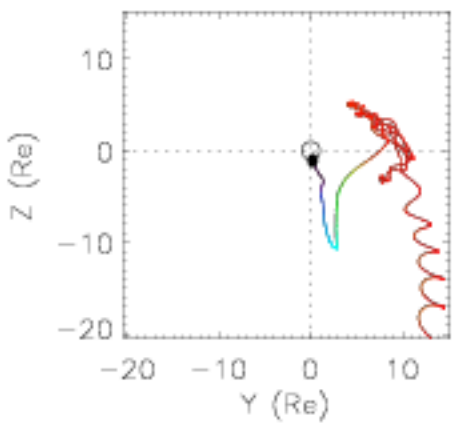

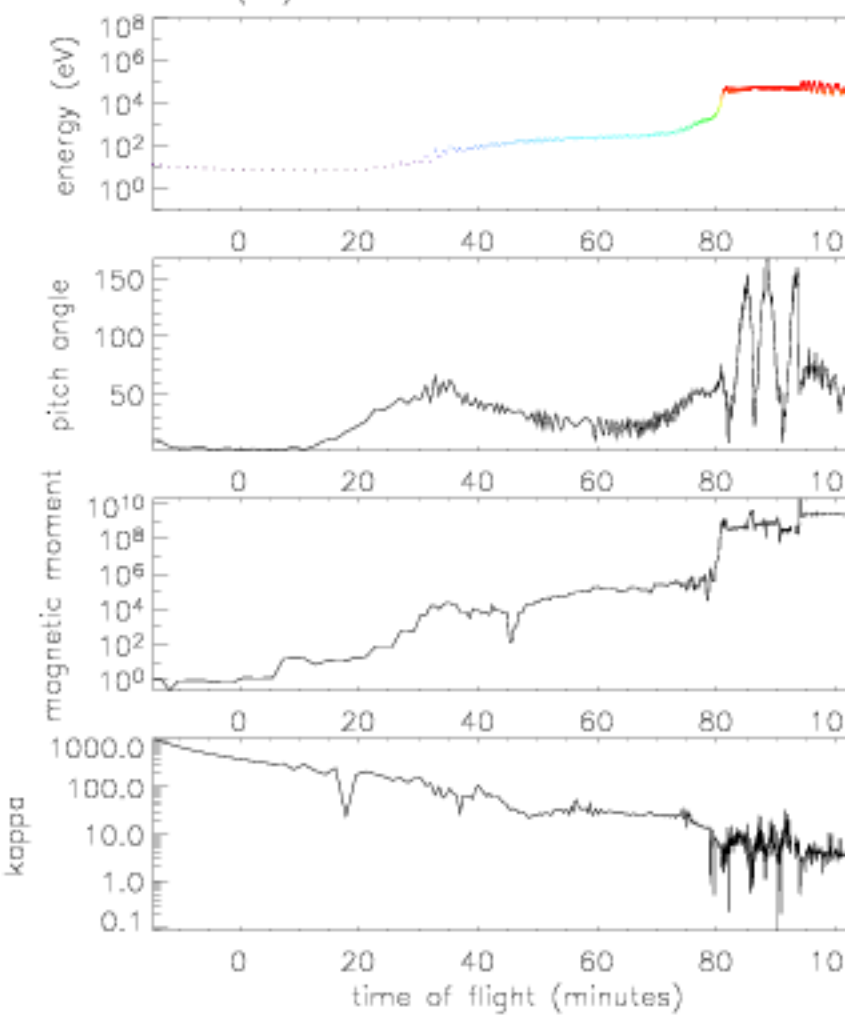

Start, Stop Parameters:

Time (minute): −14.4, 108.0
Magnetic local time: 13.810, 23.480
Magnetic latitude: −68.160, −37.800
Distance (Re): 1.16, 70.02
Energy (eV): 13.92, 67200.00
Pitch angle: 6.841, 48.680
Tilt angle (deg): 0.000

file: particle0016088.full

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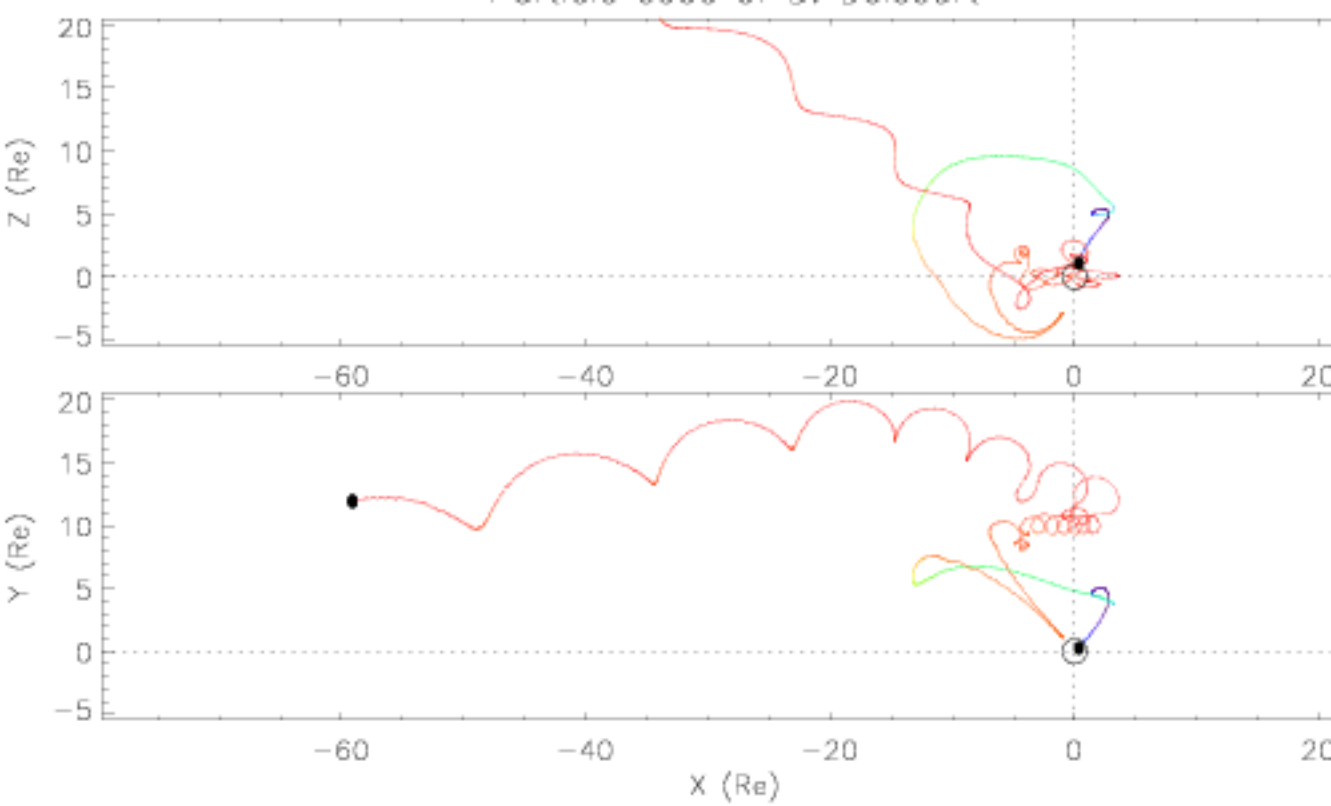

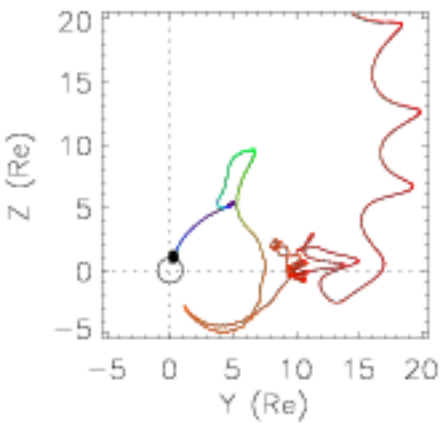

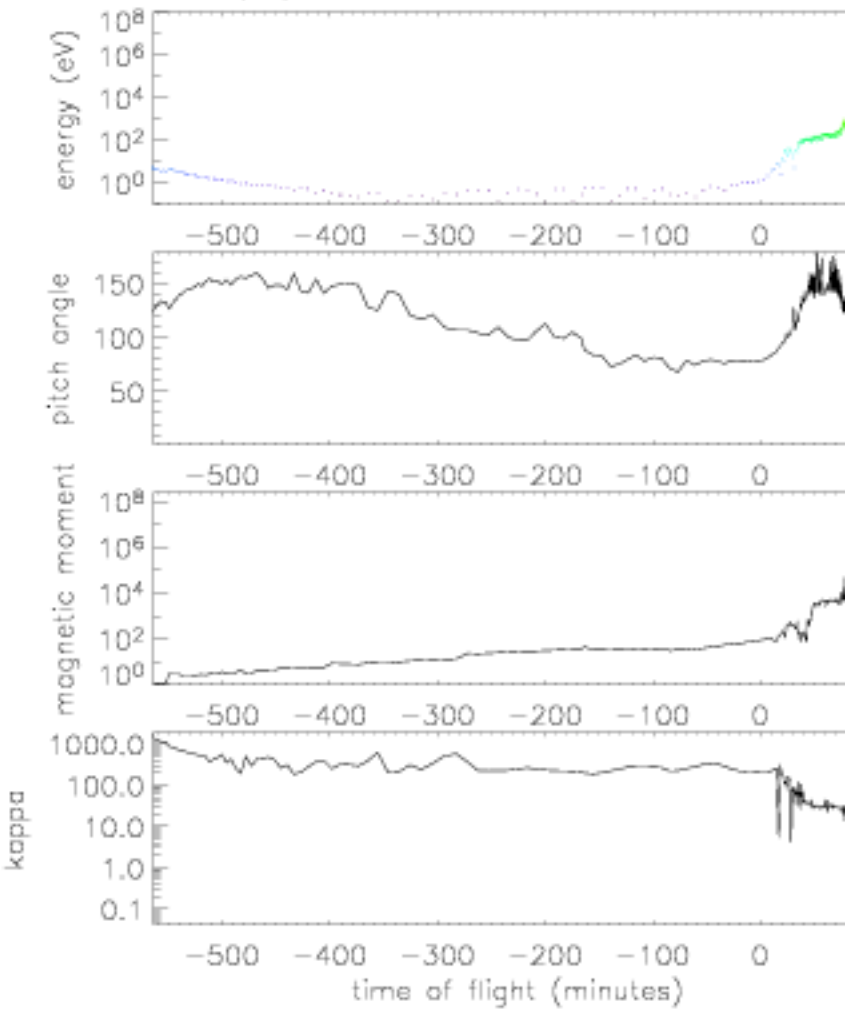

Start, Stop Parameters:

Time (minute): −564.0, 113.8
Magnetic local time: 14.450, 23.240
Magnetic latitude: 68.190, 30.610
Distance (Re): 1.16, 70.02
Energy (eV): 5.52, 66240.00
Pitch angle: 122.700, 127.300
Tilt angle (deg): 0.000

file: particle0016383.full

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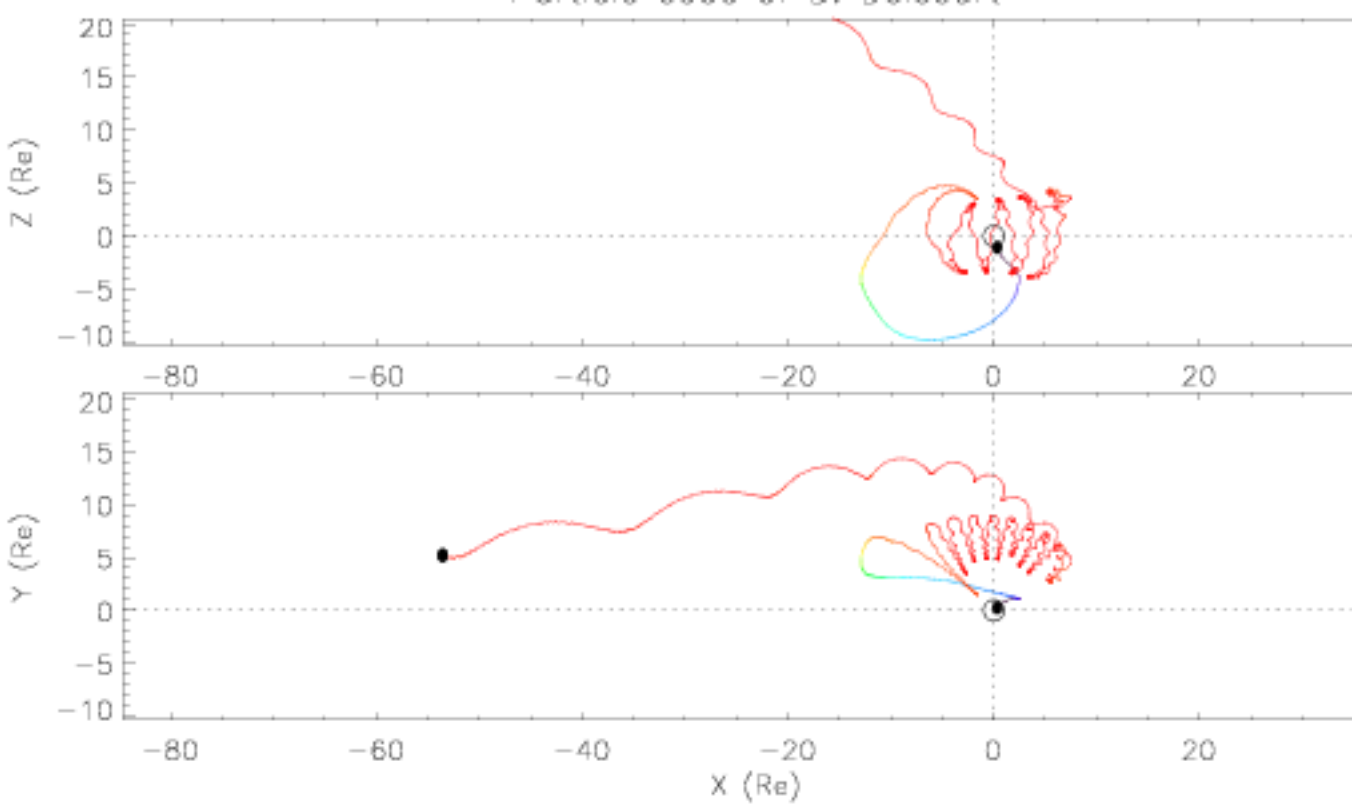

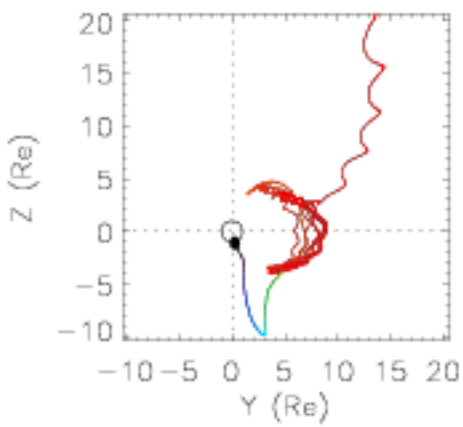

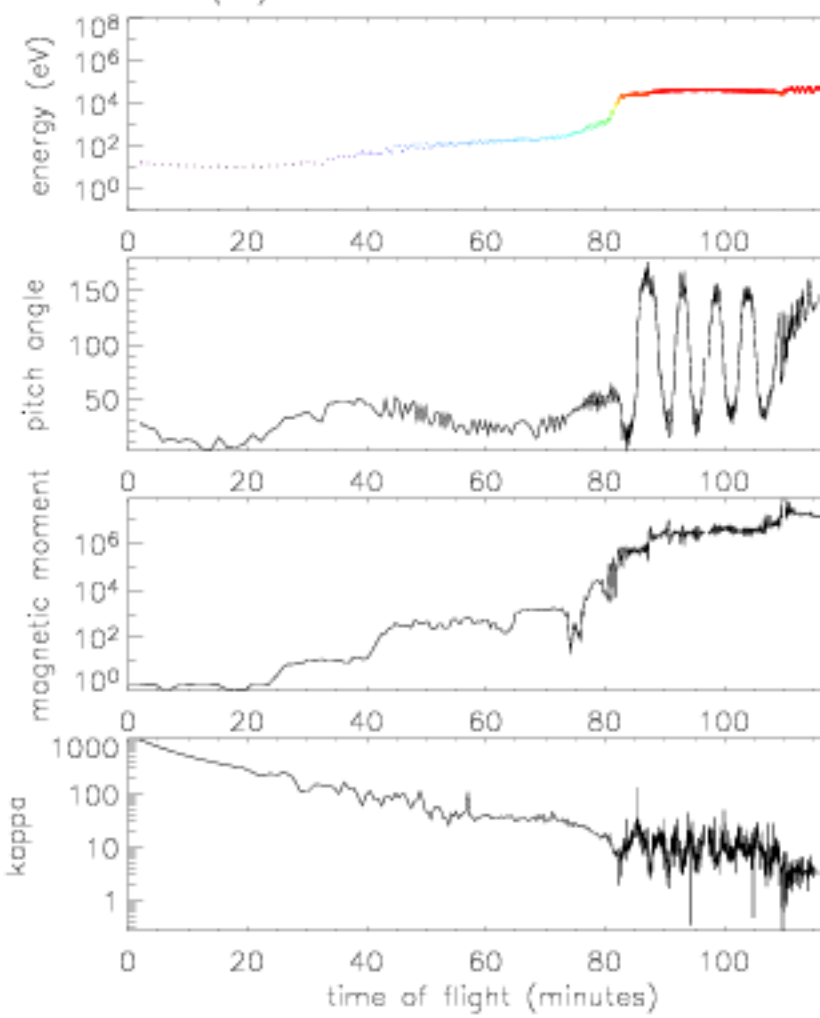

Start, Stop Parameters:

Time (minute): 2.1, 122.5
Magnetic local time: 14.600, 23.630
Magnetic latitude: −68.500, 39.770
Distance (Re): 1.16, 70.02
Energy (eV): 17.14, 41250.00
Pitch angle: 24.410, 161.500
Tilt angle (deg): 0.000

file: particle0016598.full

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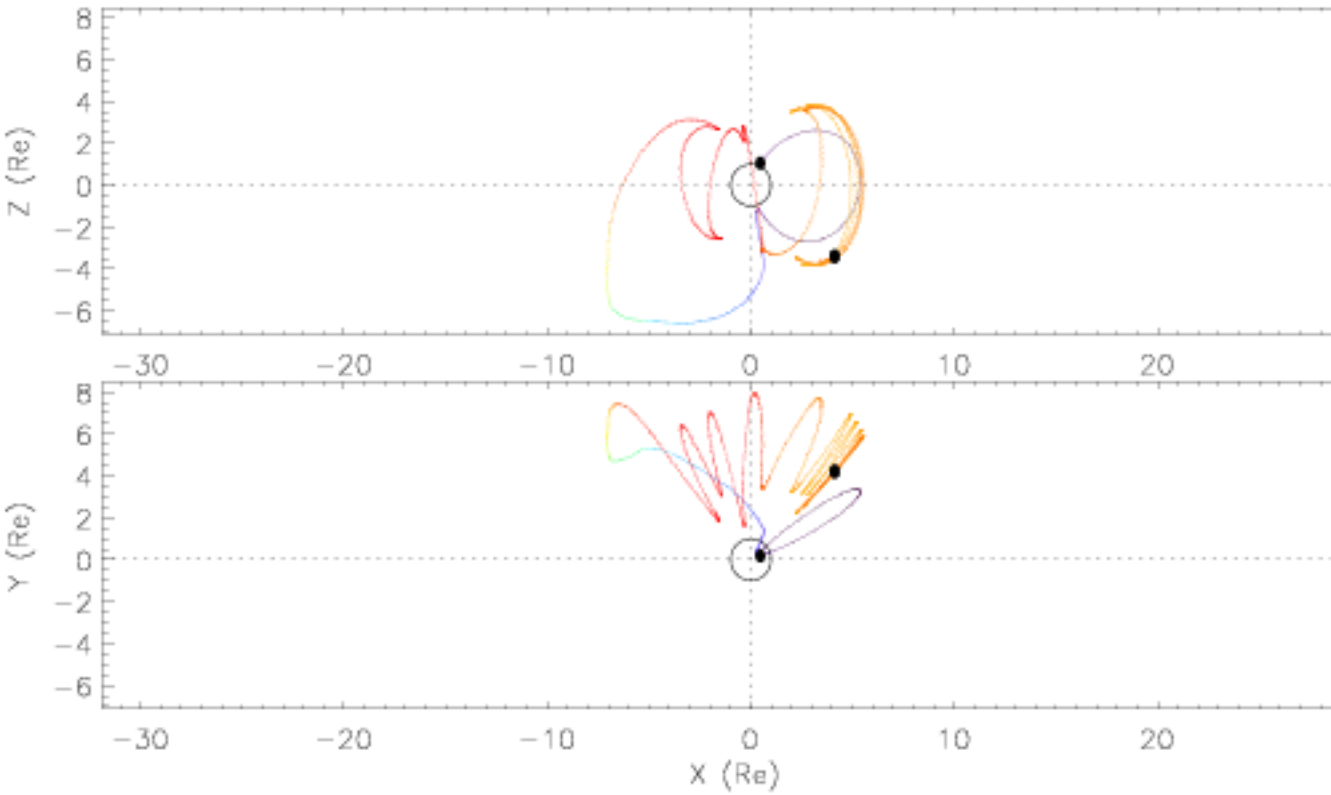

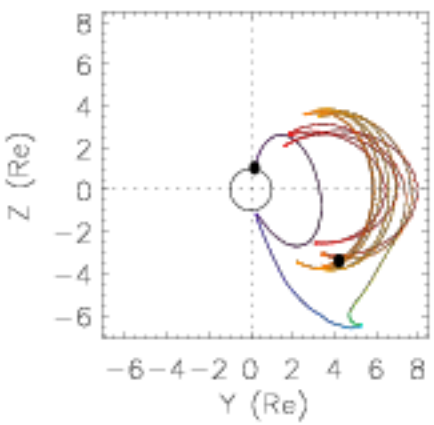

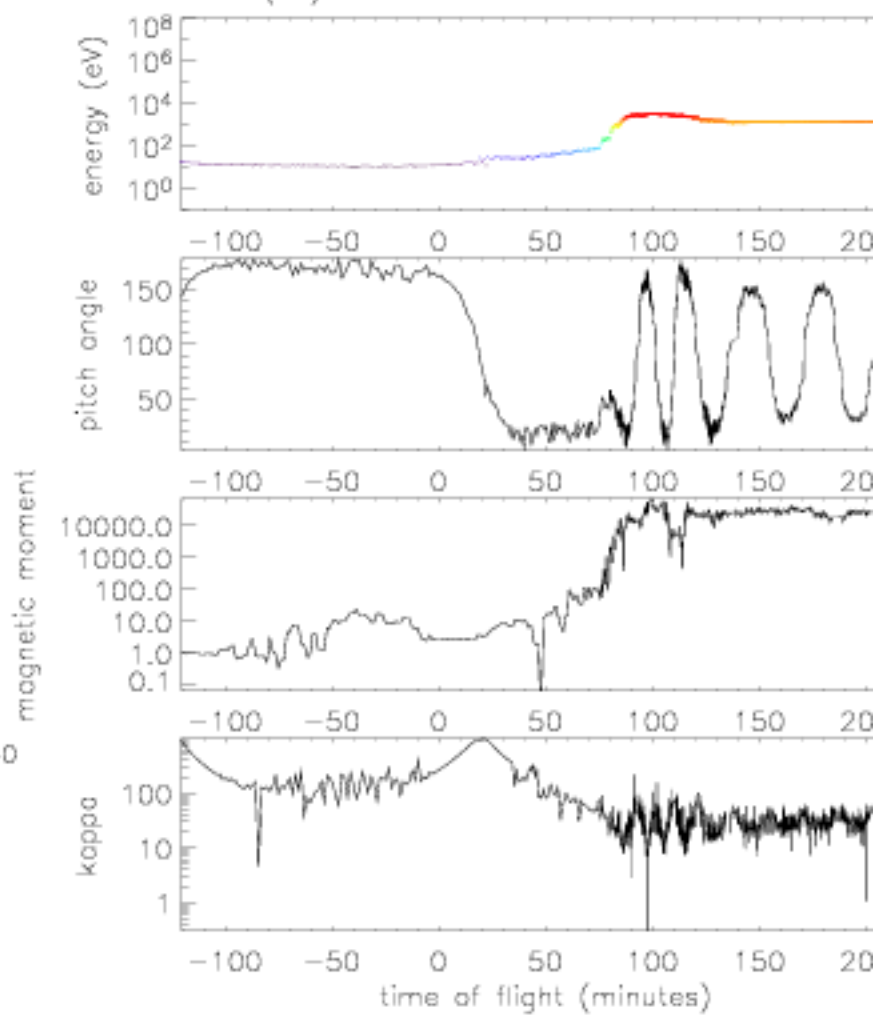

Start, Stop Parameters:

Time (minute): −120.5, 220.8
Magnetic local time: 13.370, 15.040
Magnetic latitude: 64.670,−30.000
Distance (Re): 1.16, 6.80
Energy (eV): 20.61, 1668.00
Pitch angle: 142.400, 51.340
Tilt angle (deg): 0.000

file: particle0016669.full

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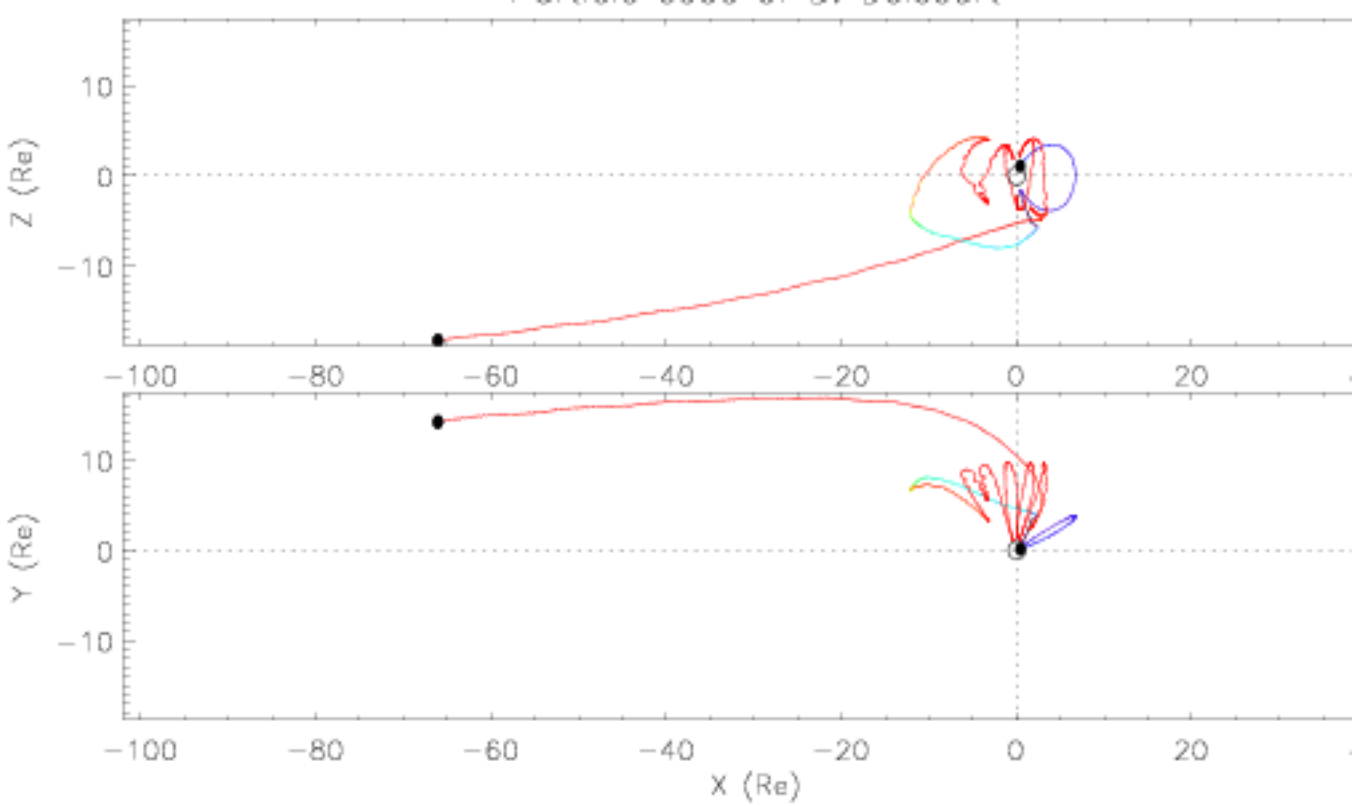

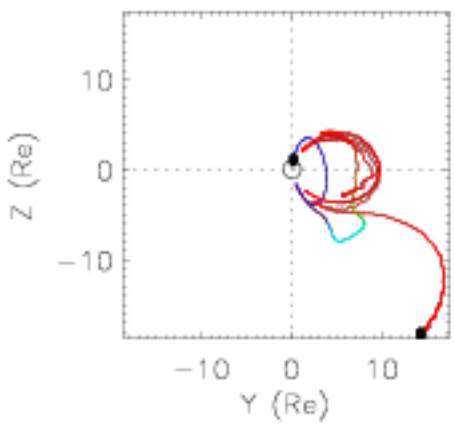

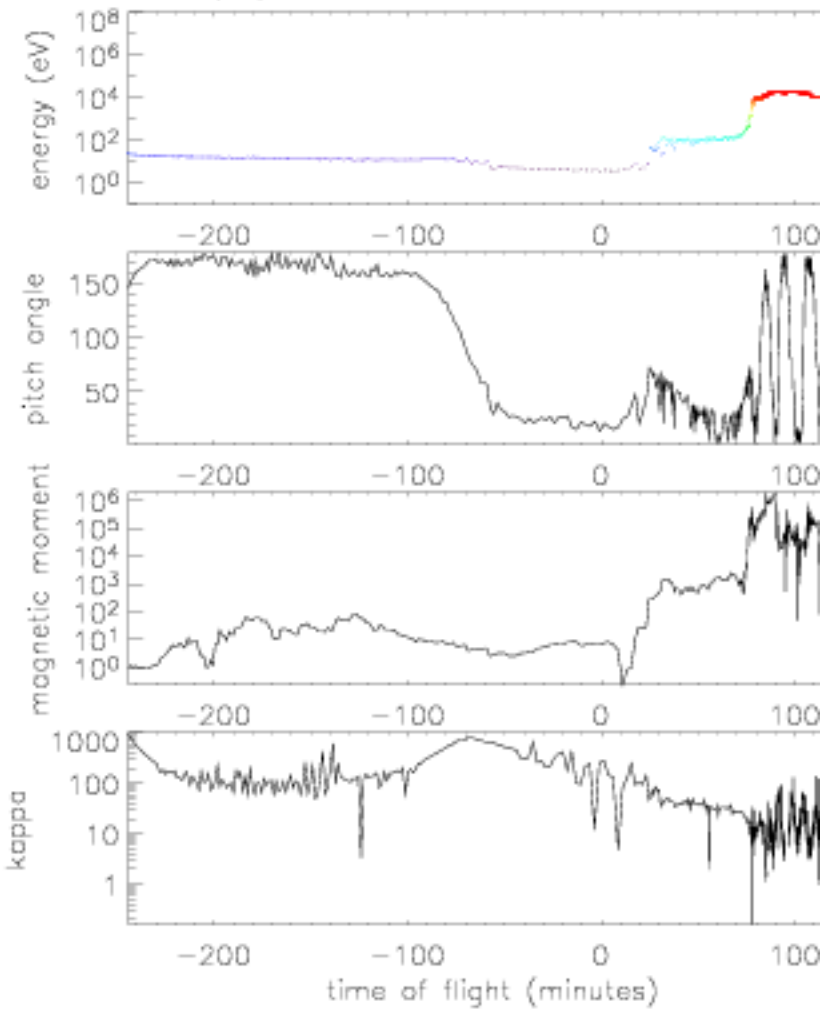

Start, Stop Parameters:

Time (minute): −244.2, 132.7
Magnetic local time: 13.170, 23.190
Magnetic latitude: 67.980,−15.120
Distance (Re): 1.16, 70.01
Energy (eV): 24.49, 15300.00
Pitch angle: 146.500, 11.940
Tilt angle (deg): 0.000

file: particle0017507.full

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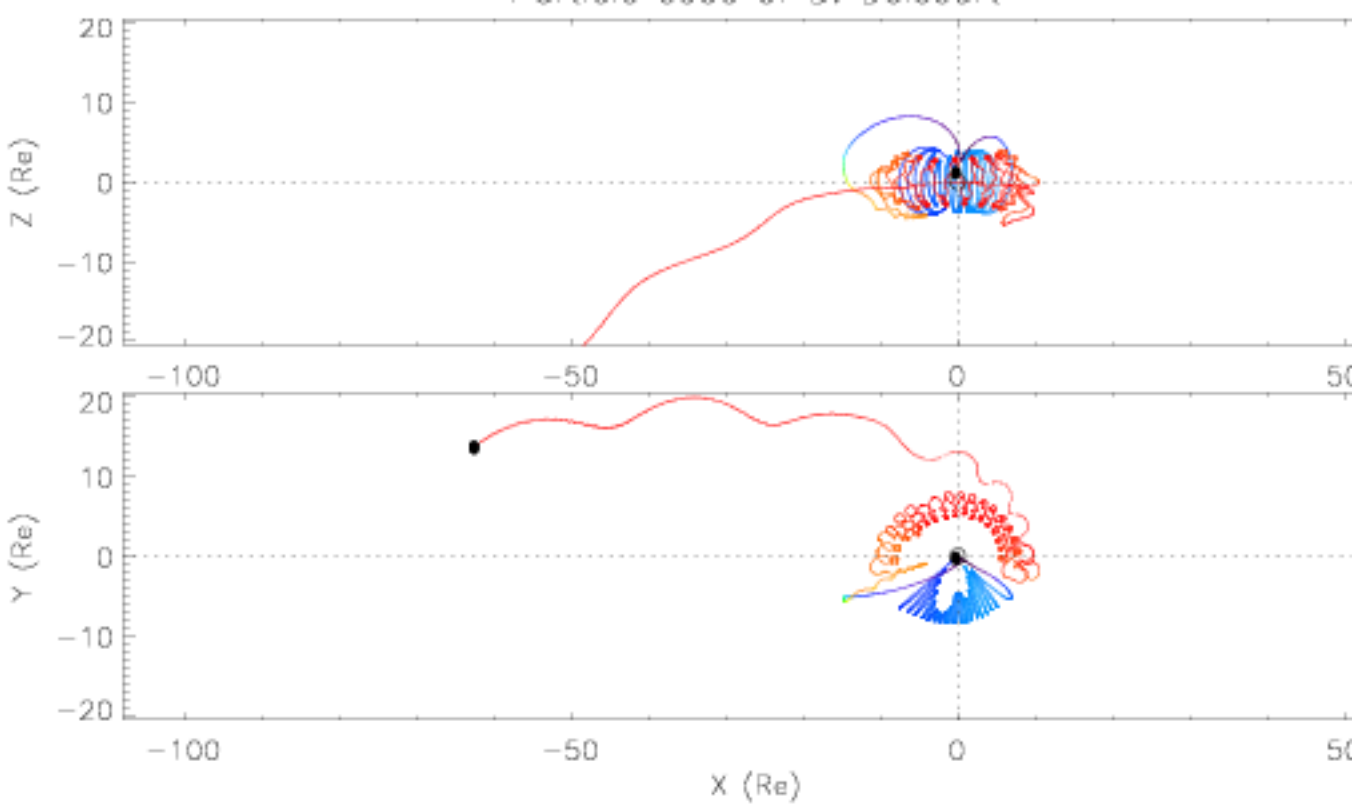

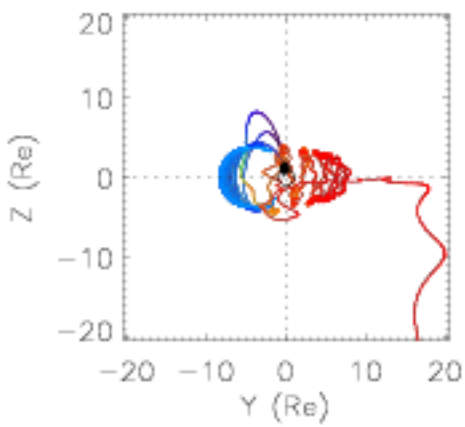

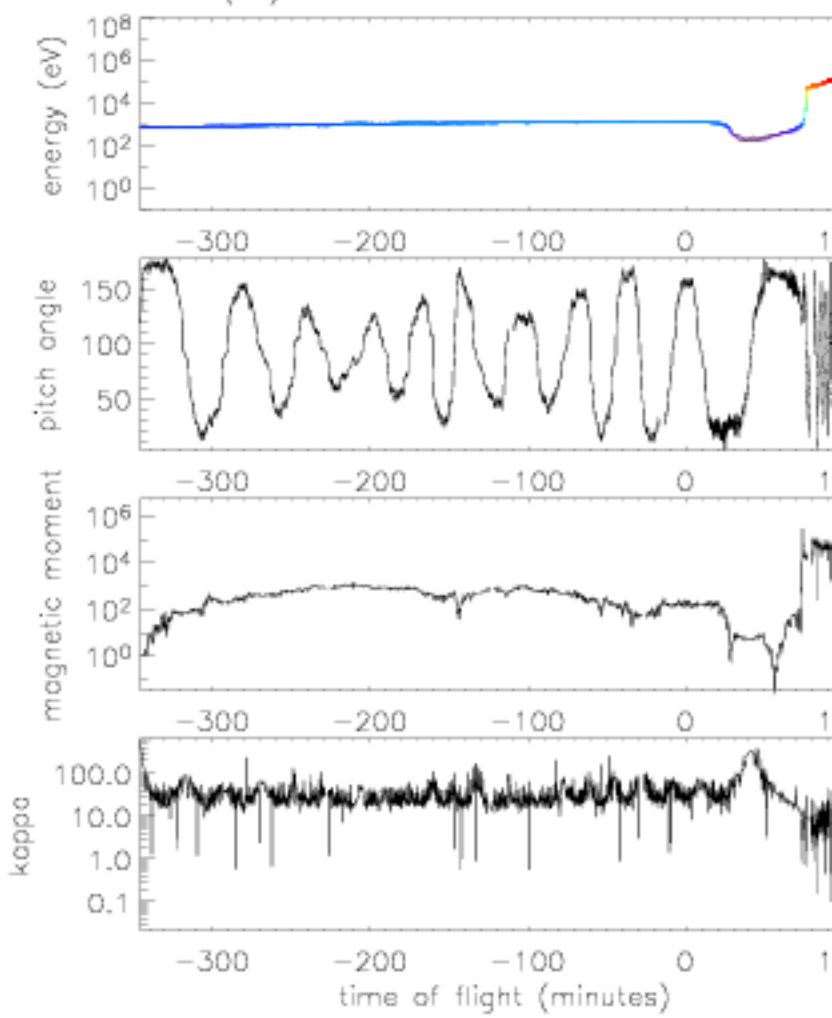

Start, Stop Parameters:

Time (minute): −345.5, 116.7
Magnetic local time: 2.717, 23.180
Magnetic latitude: 72.610,−23.960
Distance (Re): 1.16, 70.01
Energy (eV): 807.60, 156300.00
Pitch angle: 119.300, 26.830
Tilt angle (deg): 0.000

file: particle0017775.full

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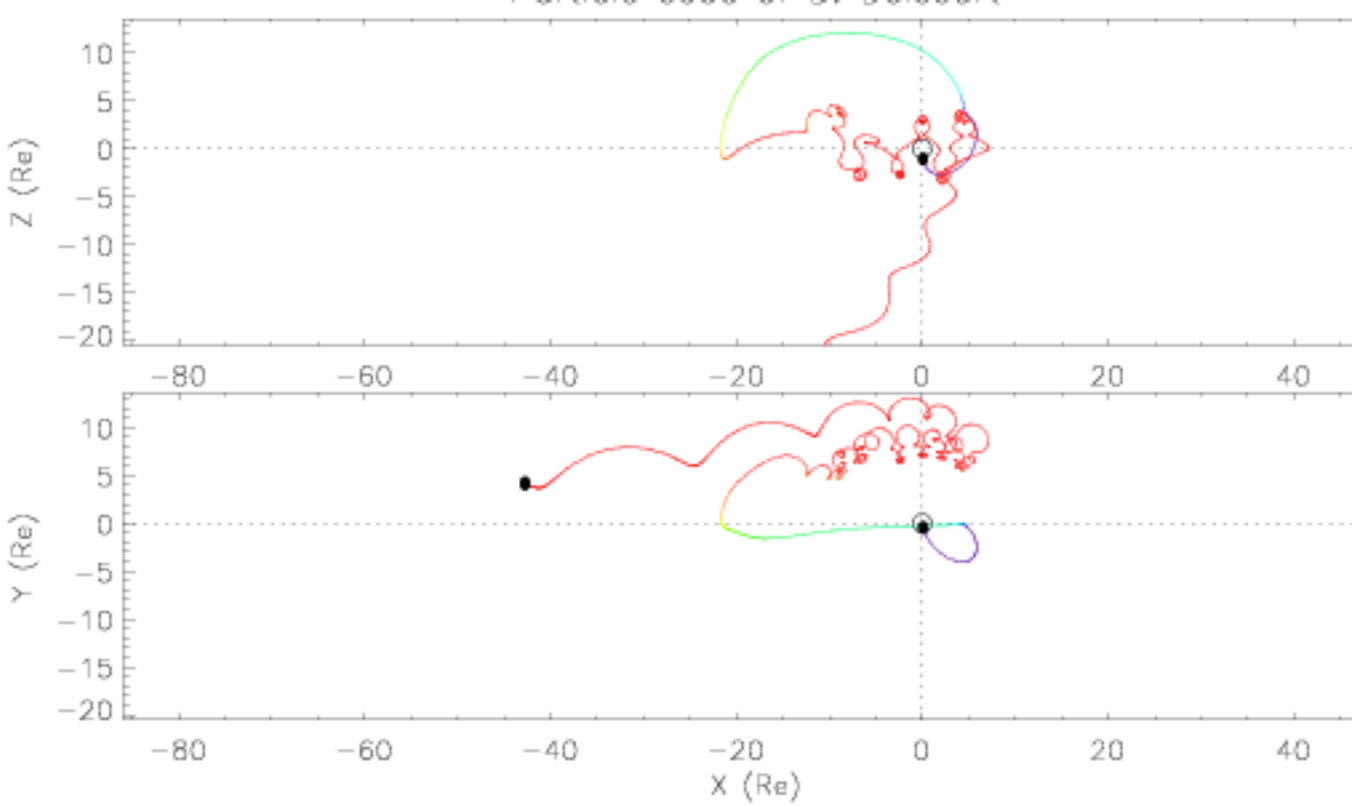

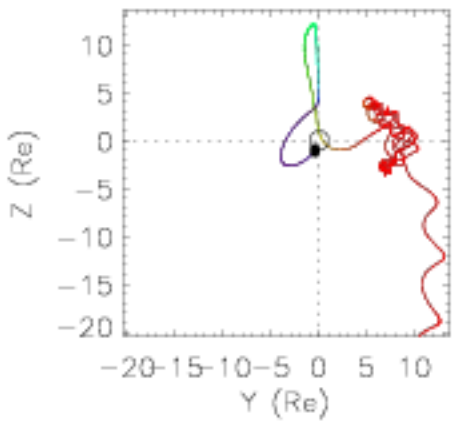

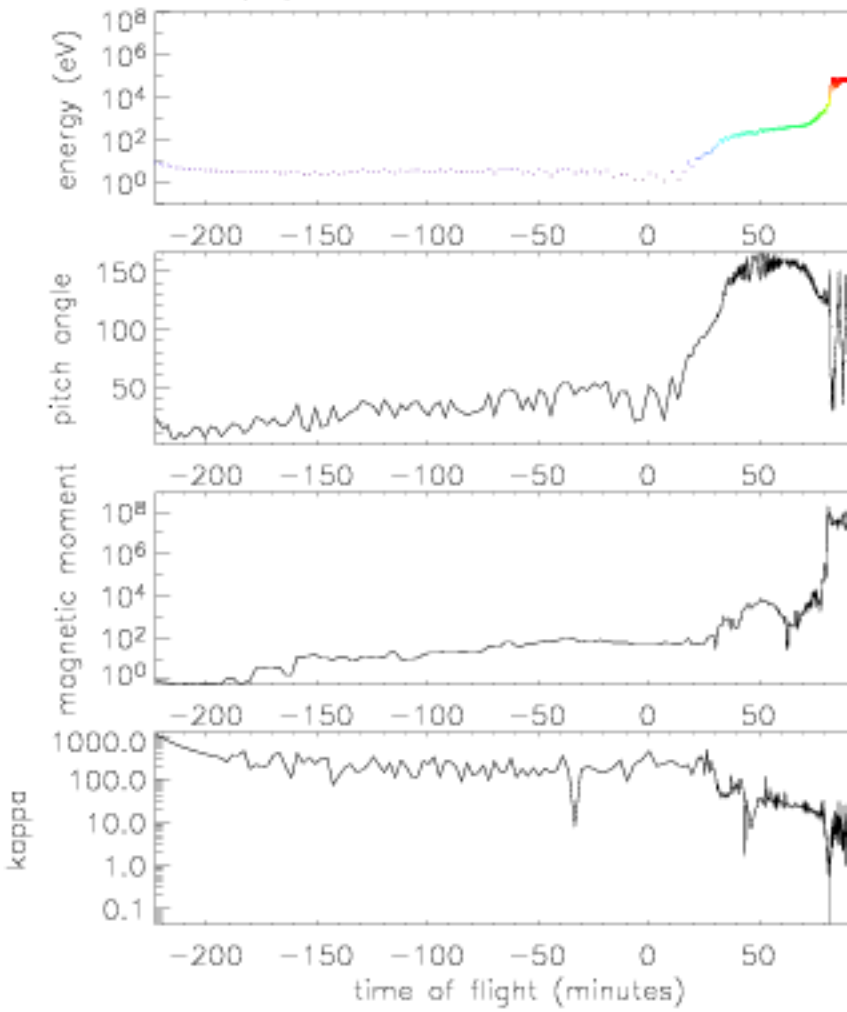

Start, Stop Parameters:

Time (minute): −222.8, 107.1
Magnetic local time: 6.731, 23.630
Magnetic latitude: −66.670, −52.200
Distance (Re): 1.16, 70.02
Energy (eV): 9.47, 82240.00
Pitch angle: 23.690, 17.930
Tilt angle (deg): 0.000

file: particle0017930.full

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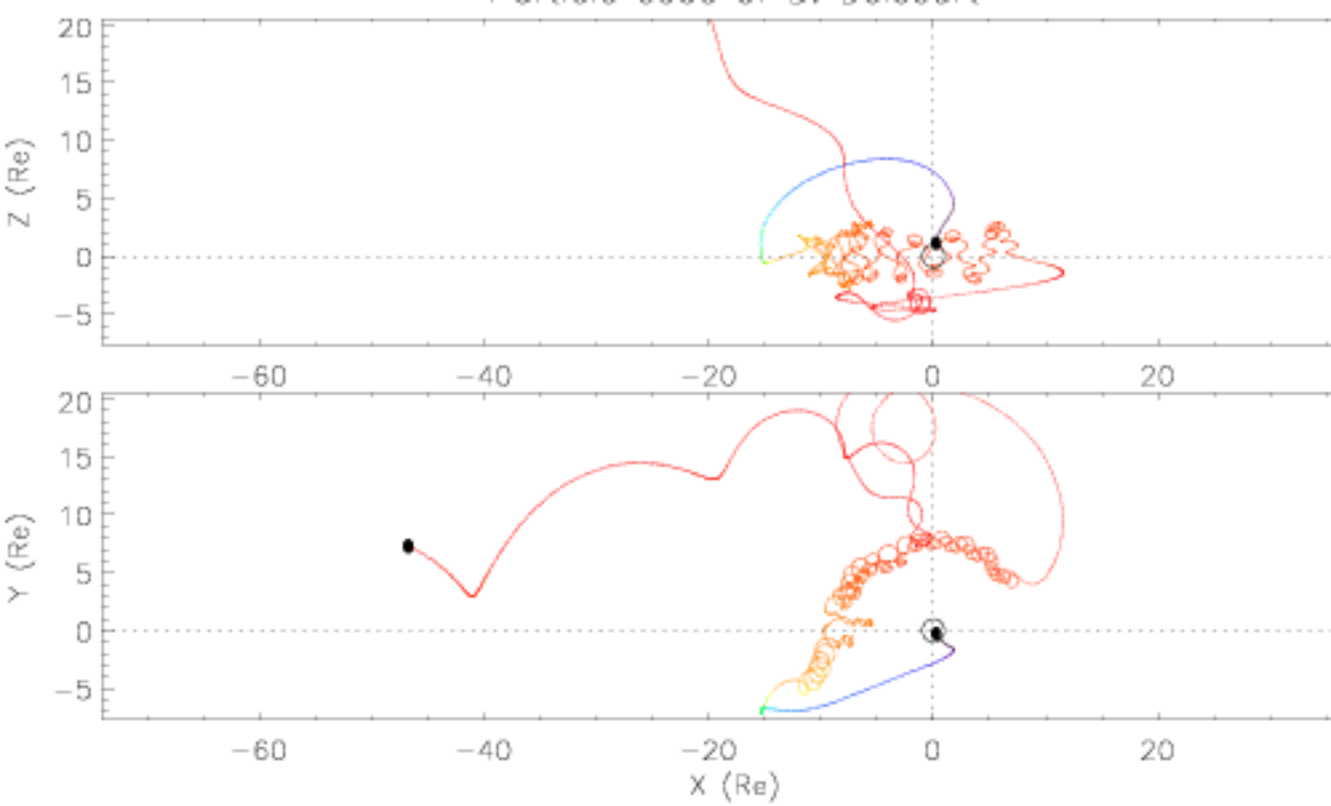

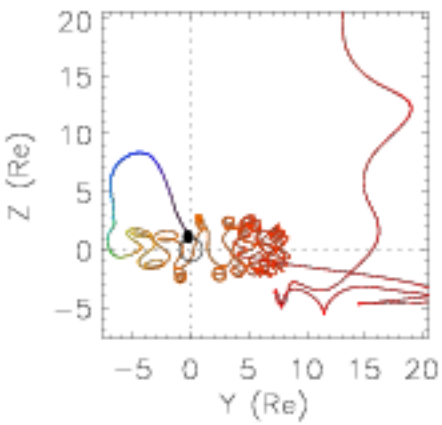

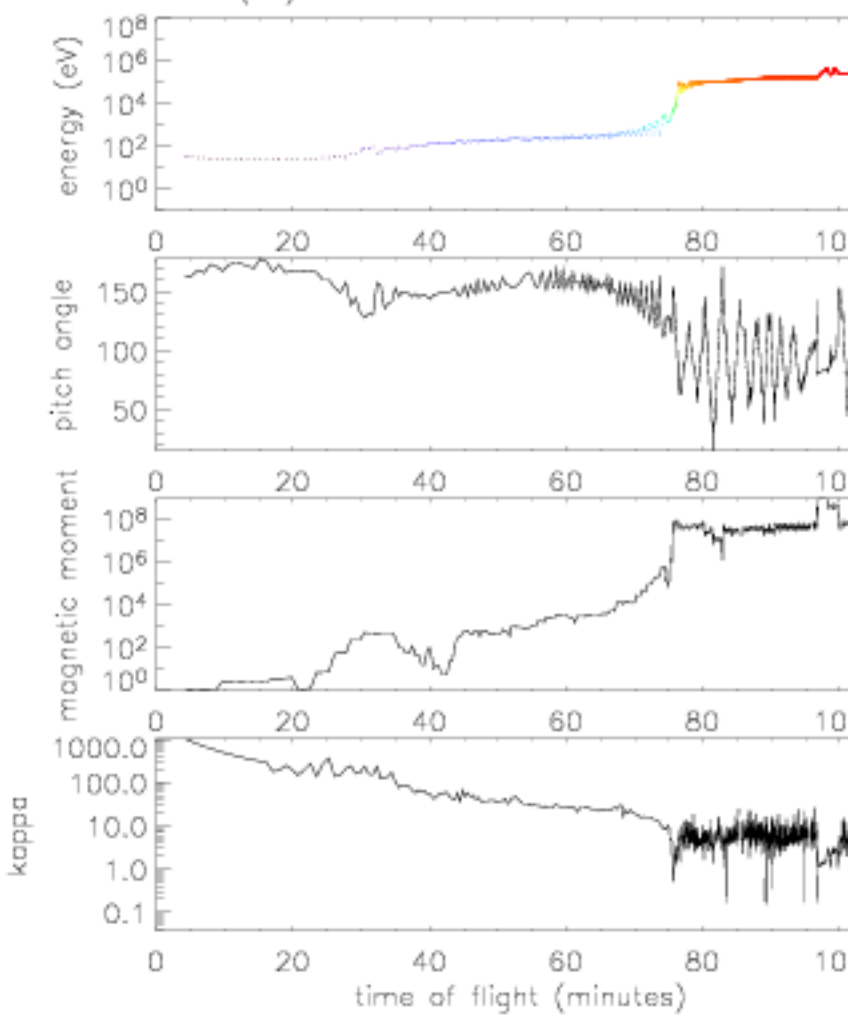

Start, Stop Parameters:

Time (minute): 4.3, 106.8
Magnetic local time: 8.837, 23.410
Magnetic latitude: 72.260, 47.500
Distance (Re): 1.16, 70.02
Energy (eV): 31.65, 267400.00
Pitch angle: 163.600, 140.600
Tilt angle (deg): 0.000

file: particle0017979.full

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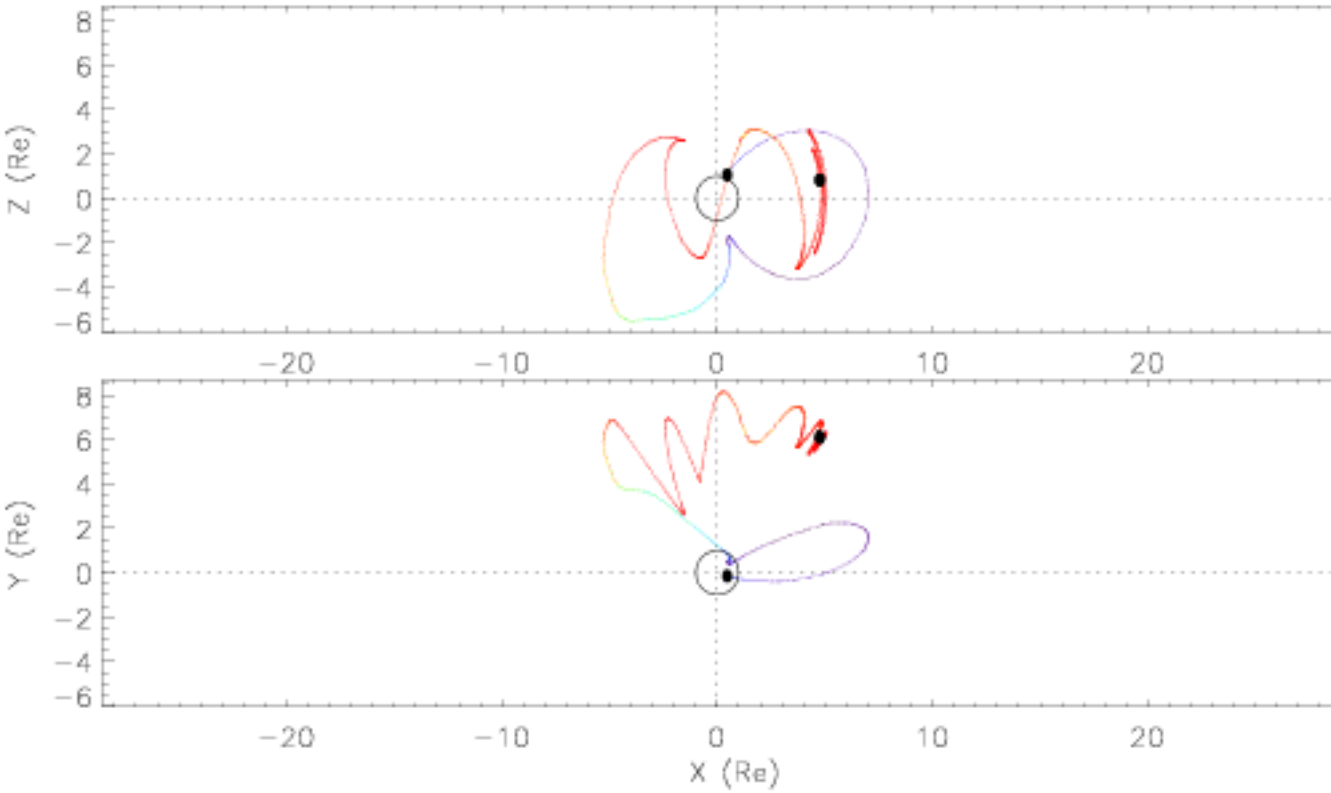

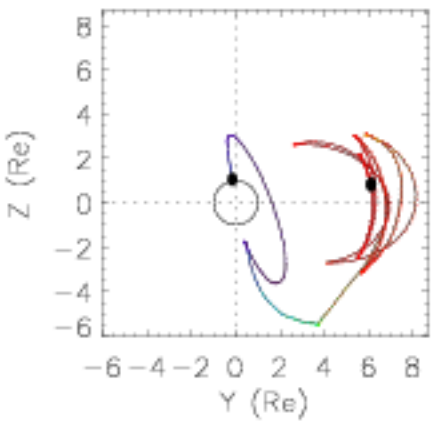

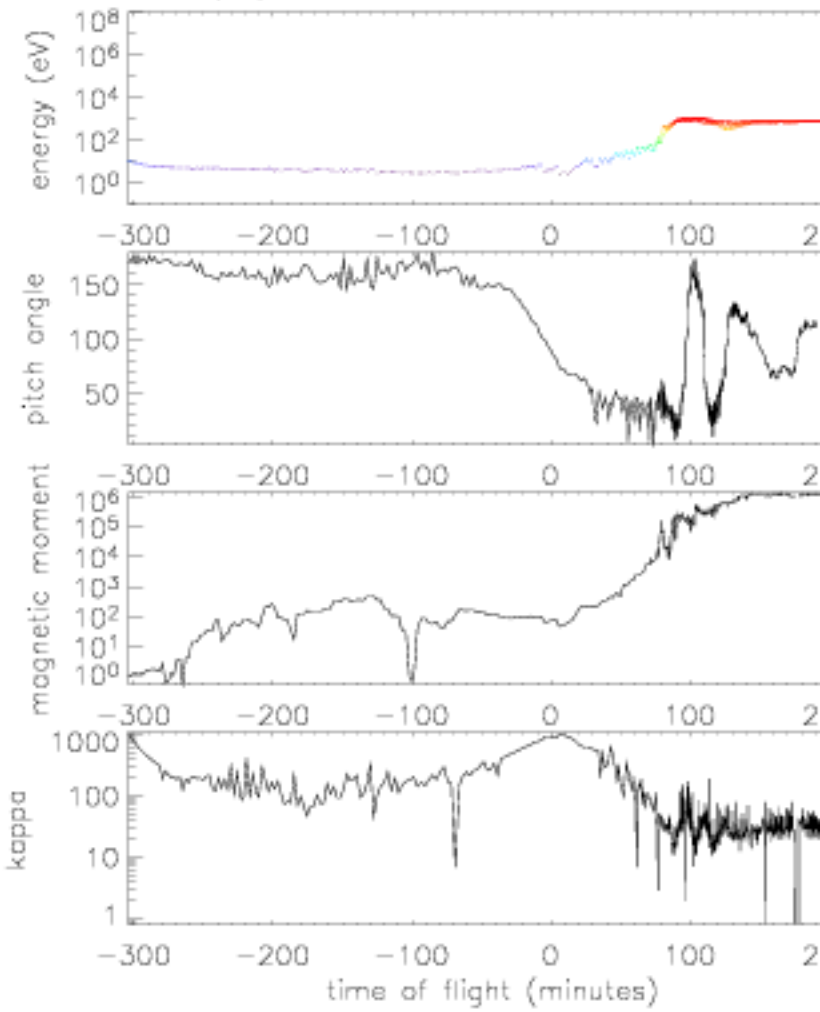

Start, Stop Parameters:

Time (minute): −304.0, 220.8
Magnetic local time: 10.780, 15.470
Magnetic latitude: 65.540, 6.032
Distance (Re): 1.16, 7.78
Energy (eV): 11.69, 956.70
Pitch angle: 170.600, 115.400
Tilt angle (deg): 0.000

file: particle0018465.full

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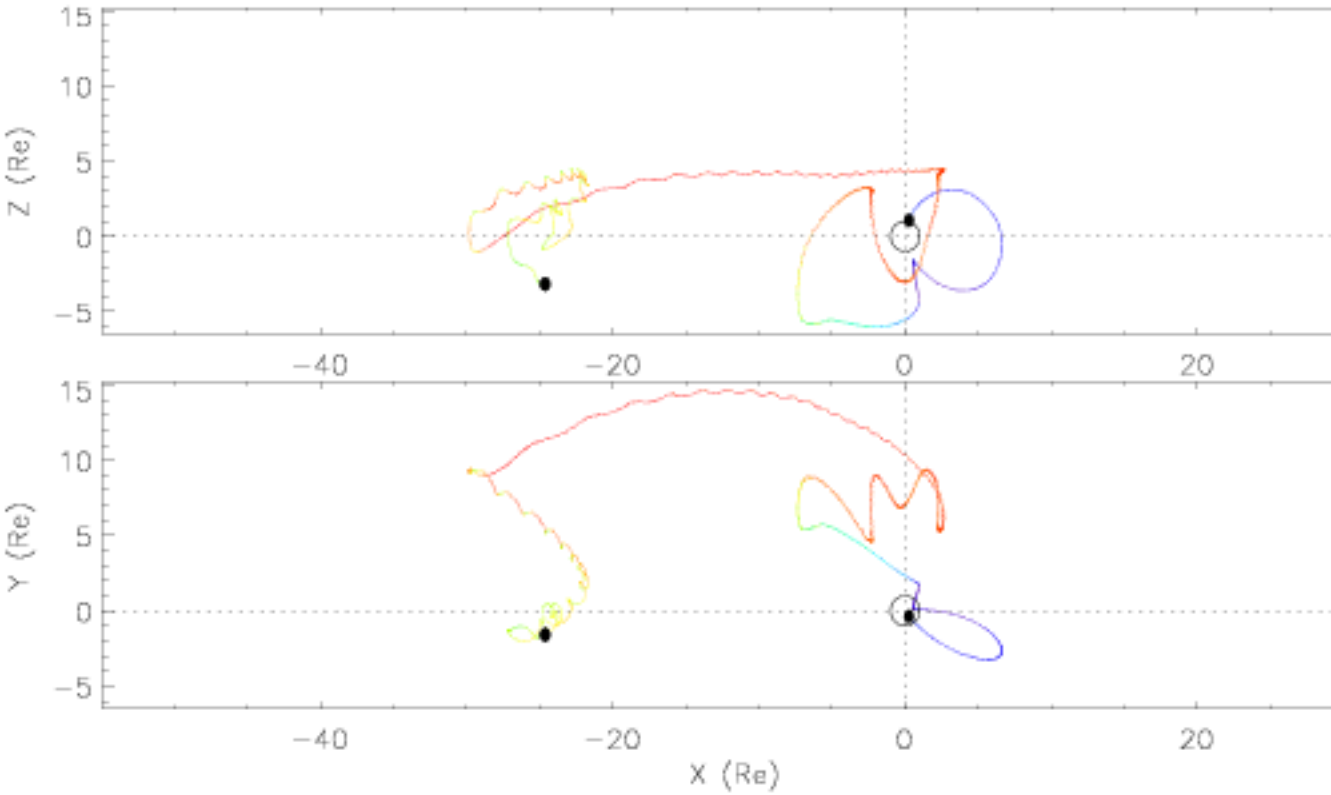

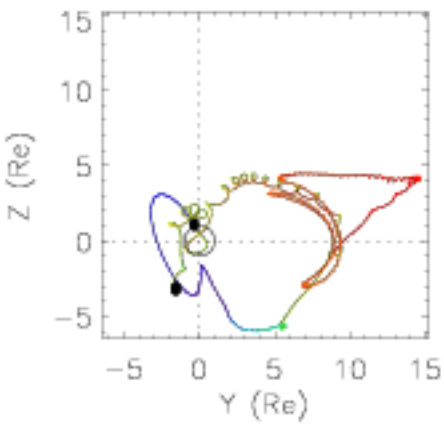

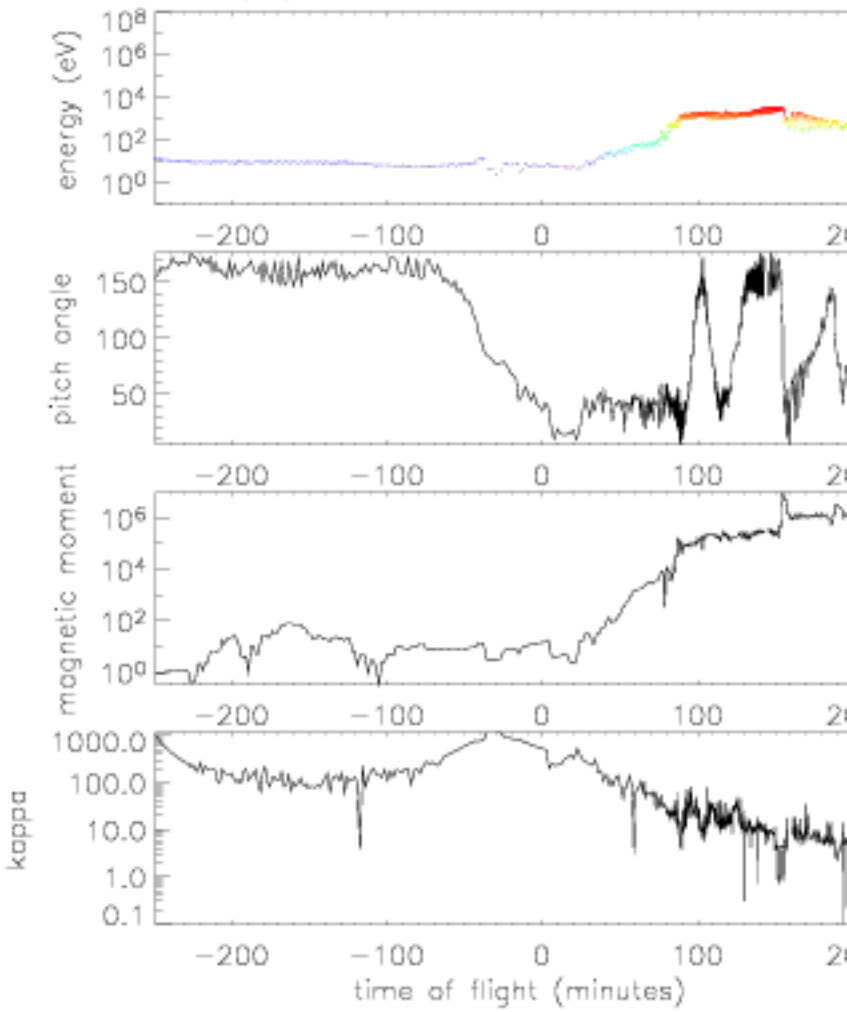

Start, Stop Parameters:

Time (minute): −249.2, 220.8
Magnetic local time: 8.435, 0.246
Magnetic latitude: 67.210, −7.325
Distance (Re): 1.16, 24.88
Energy (eV): 15.66, 280.80
Pitch angle: 153.200, 145.700
Tilt angle (deg): 0.000

file: particle0018509.full

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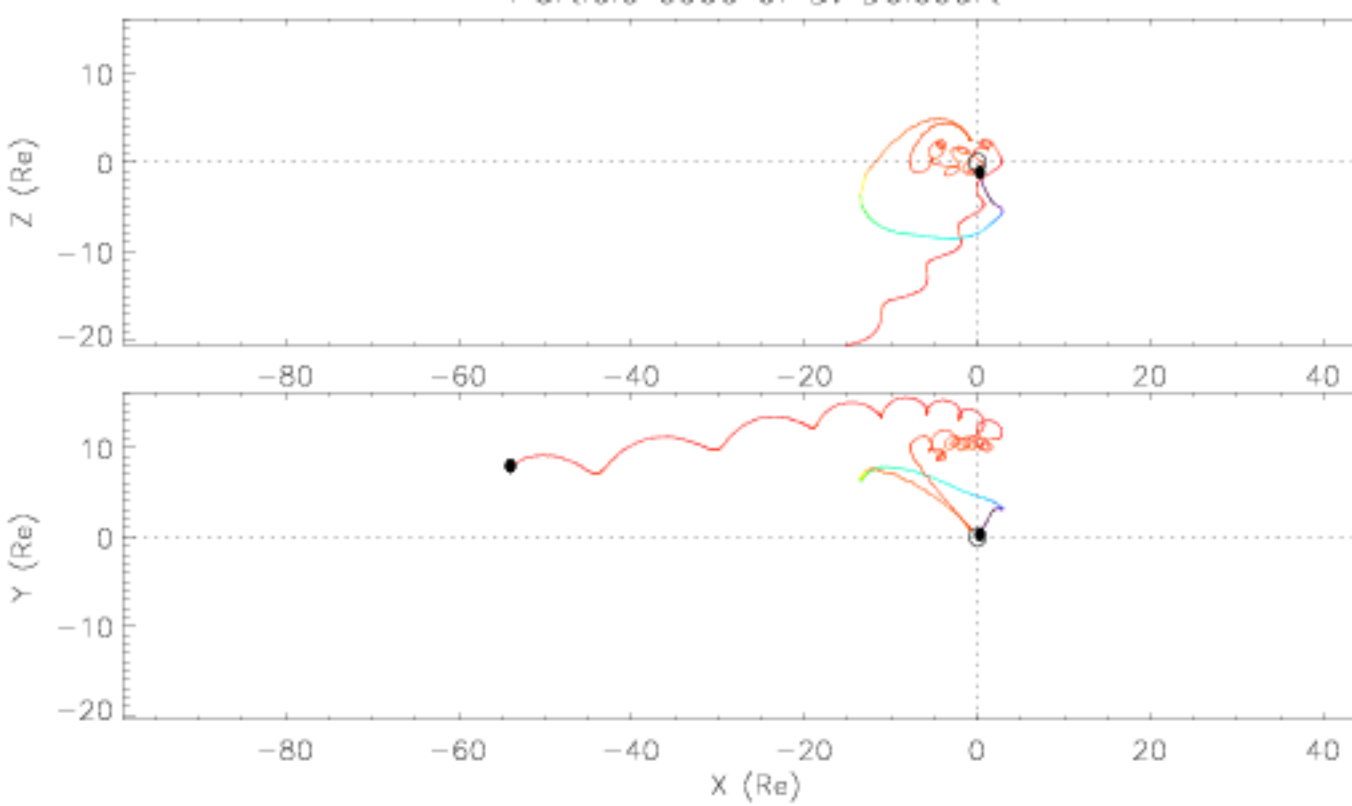

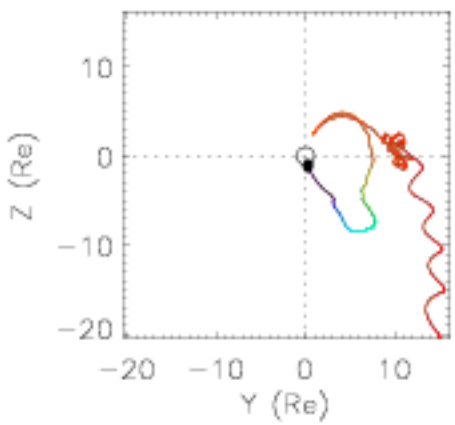

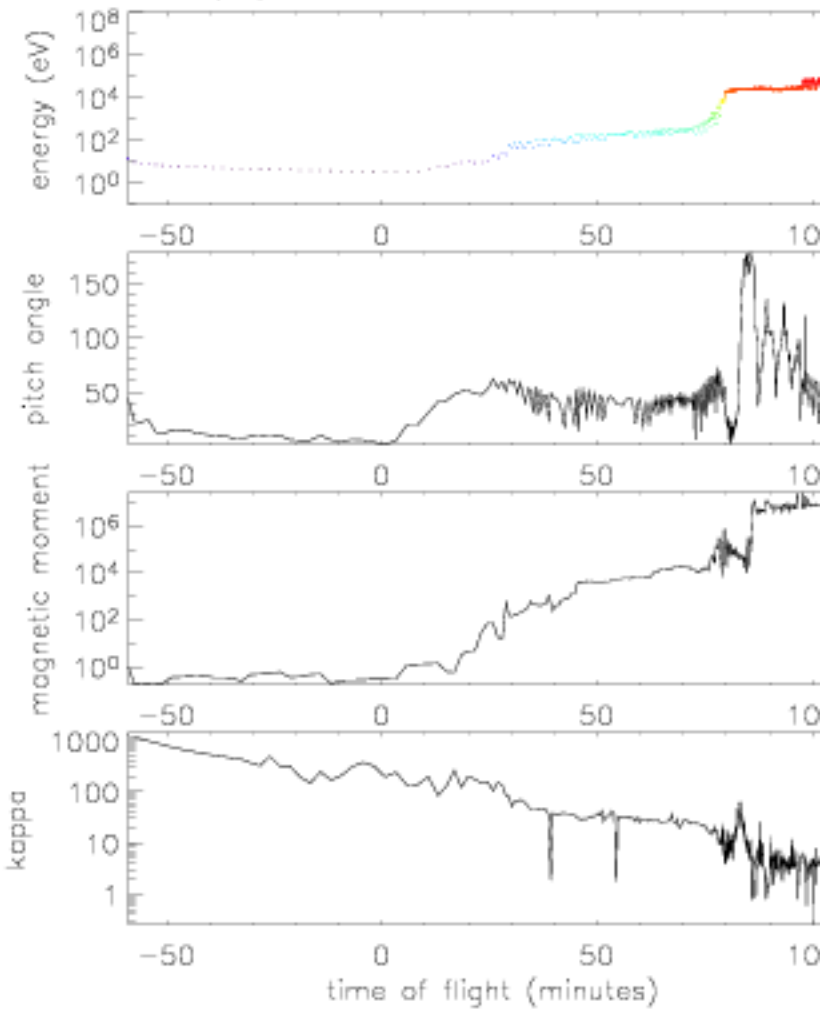

Start, Stop Parameters:

Time (minute): −58.9, 110.6
Magnetic local time: 14.890, 23.440
Magnetic latitude: −71.680, −38.770
Distance (Re): 1.16, 70.01
Energy (eV): 15.35, 49010.00
Pitch angle: 44.760, 40.010
Tilt angle (deg): 0.000

file: particle0019362.full

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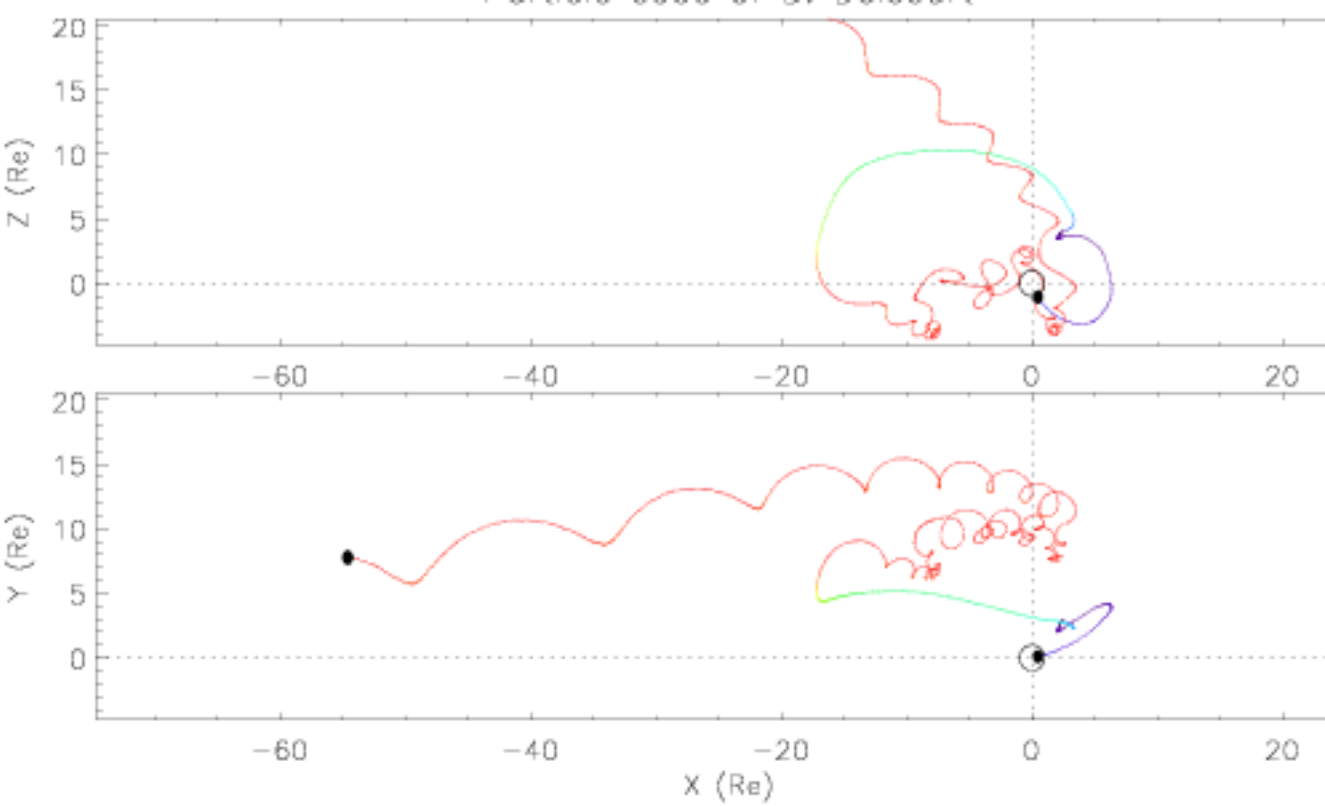

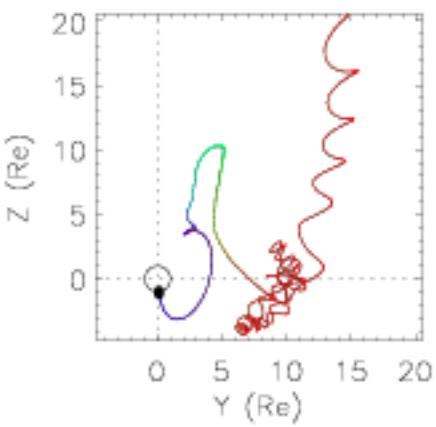

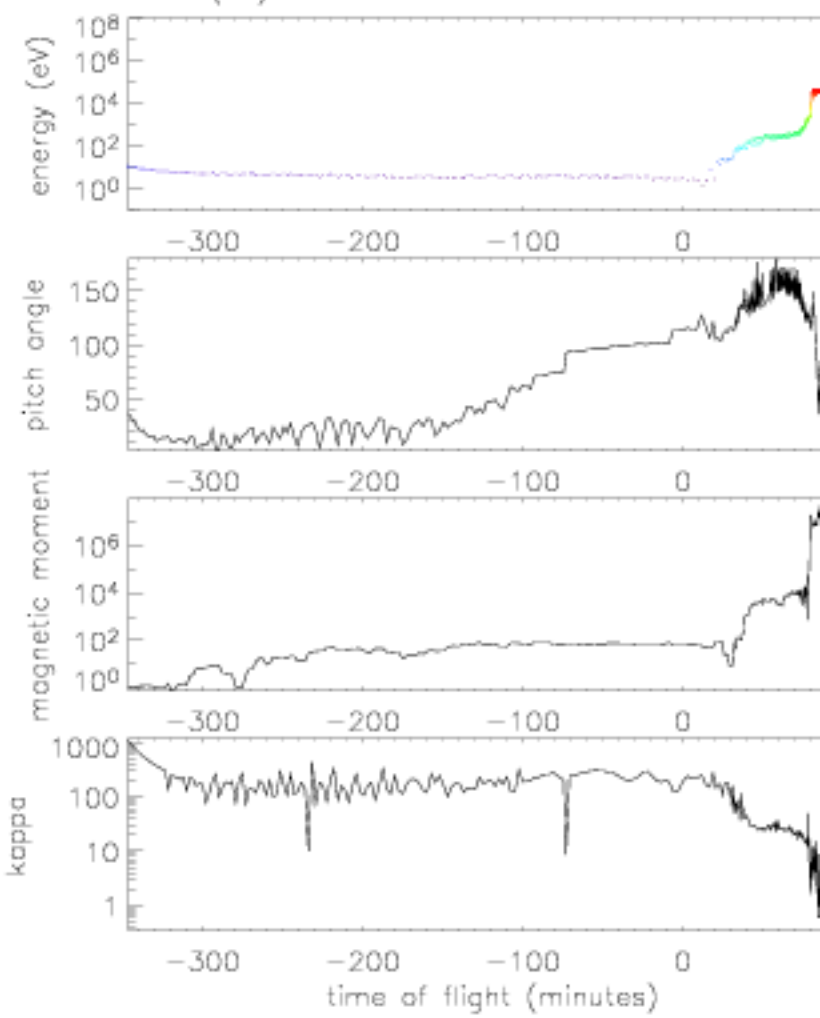

Start, Stop Parameters:

Time (minute): −346.7, 109.0
Magnetic local time: 12.840, 23.460
Magnetic latitude: −65.790, 38.010
Distance (Re): 1.16, 70.01
Energy (eV): 12.38, 58080.00
Pitch angle: 37.590, 133.800
Tilt angle (deg): 0.000

file: particle0019418.full

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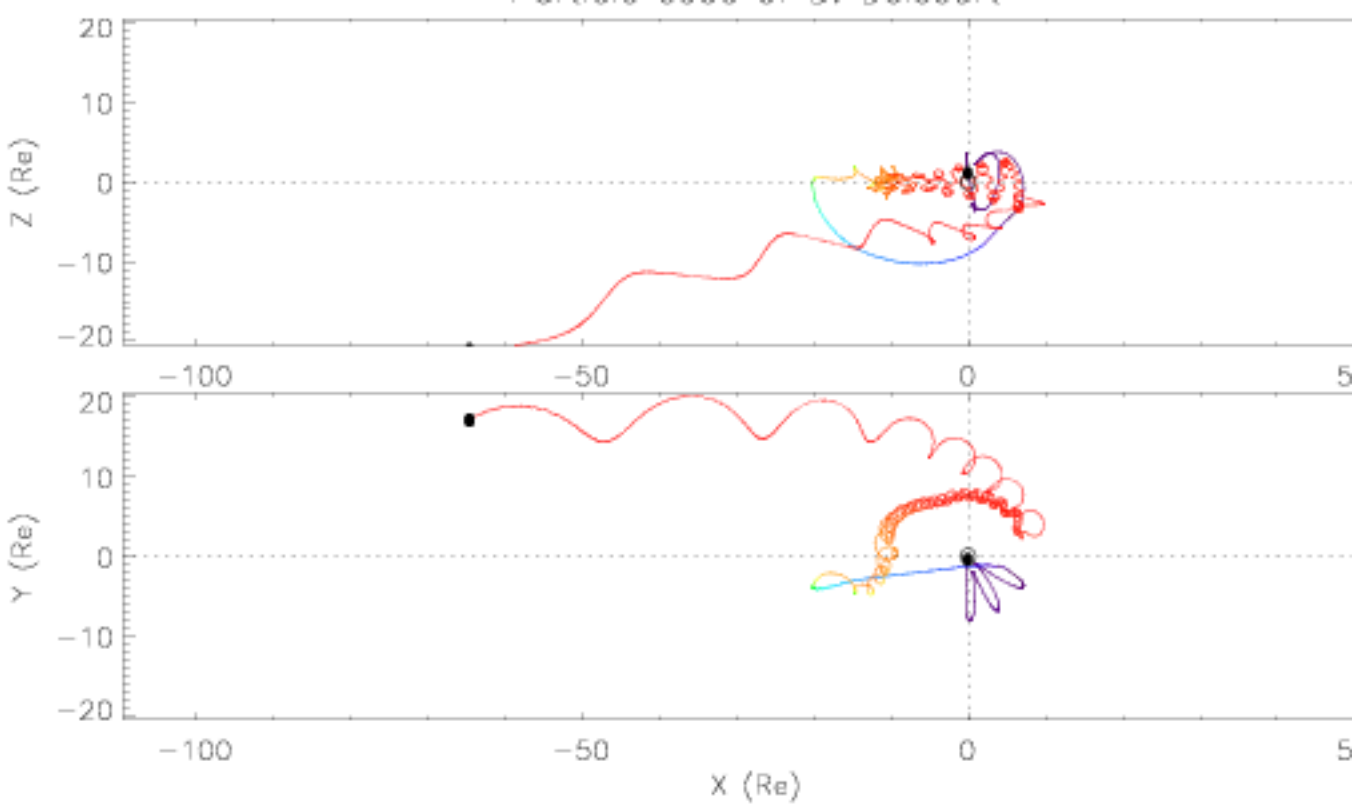

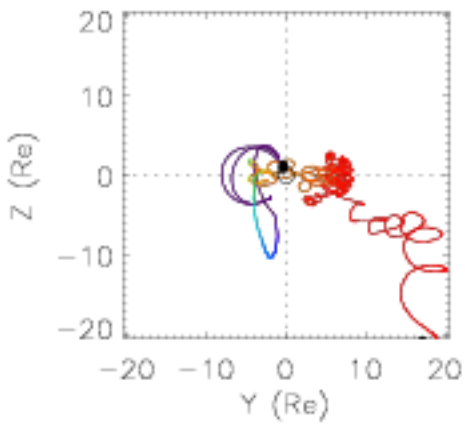

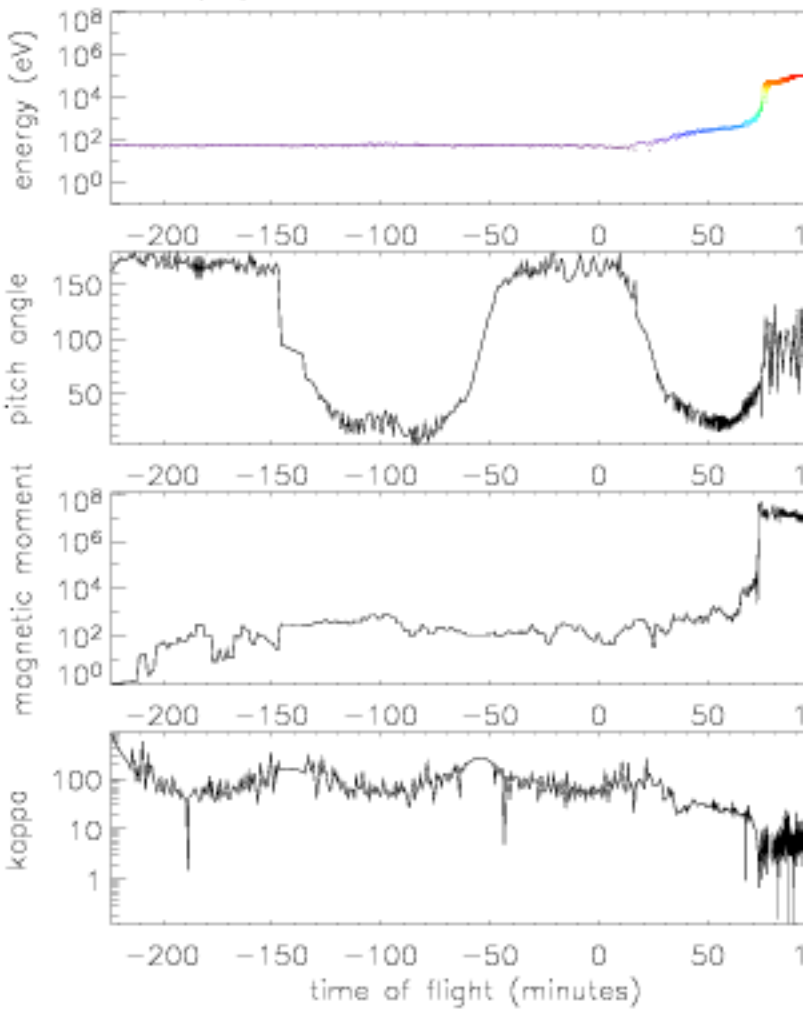

Start, Stop Parameters:

Time (minute): −223.5, 110.7
Magnetic local time: 5.370, 23.010
Magnetic latitude: 70.620,−17.530
Distance (Re): 1.16, 70.01
Energy (eV): 62.07, 150400.00
Pitch angle: 161.900, 49.540
Tilt angle (deg): 0.000

file: particle0019637.full

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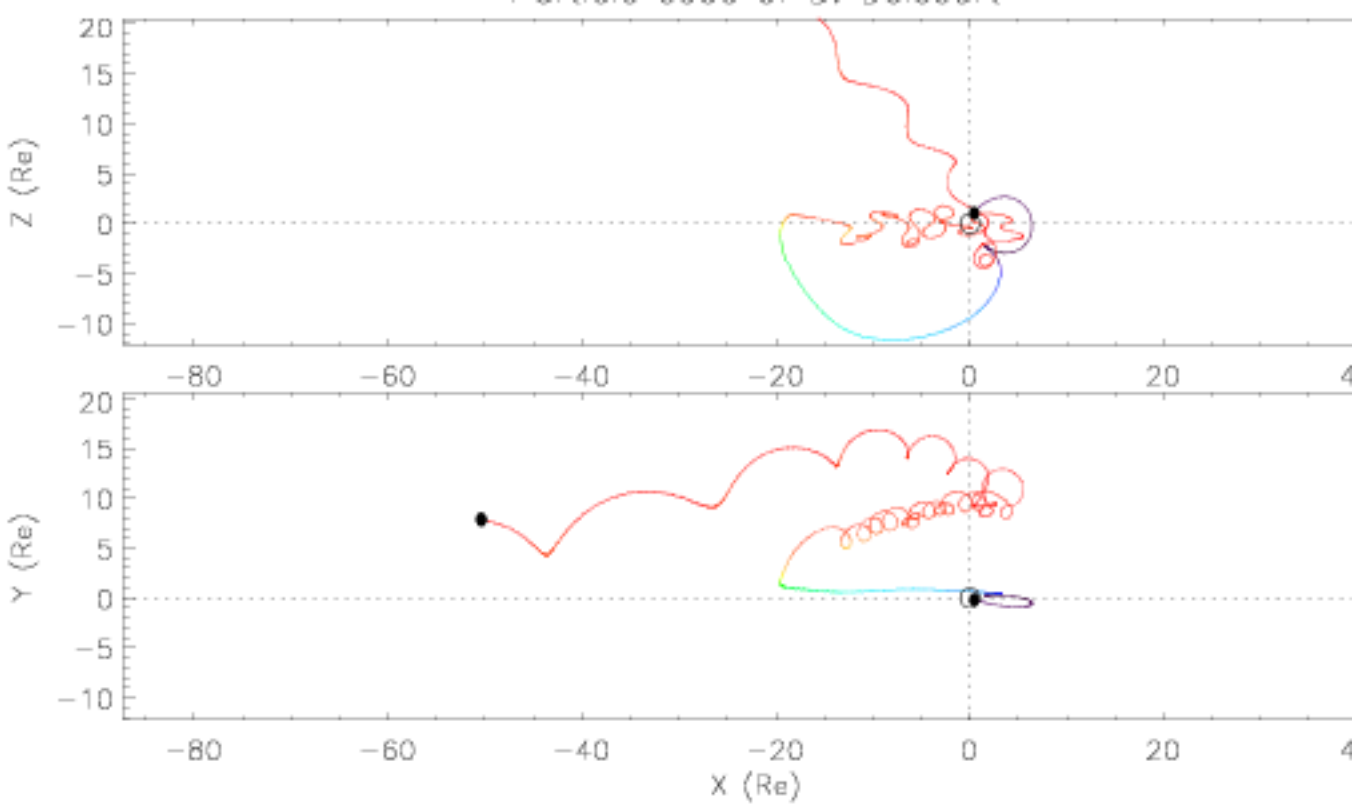

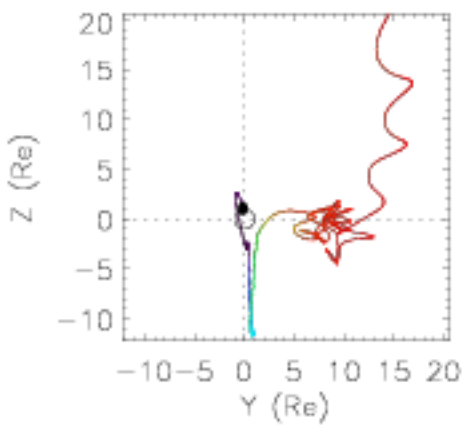

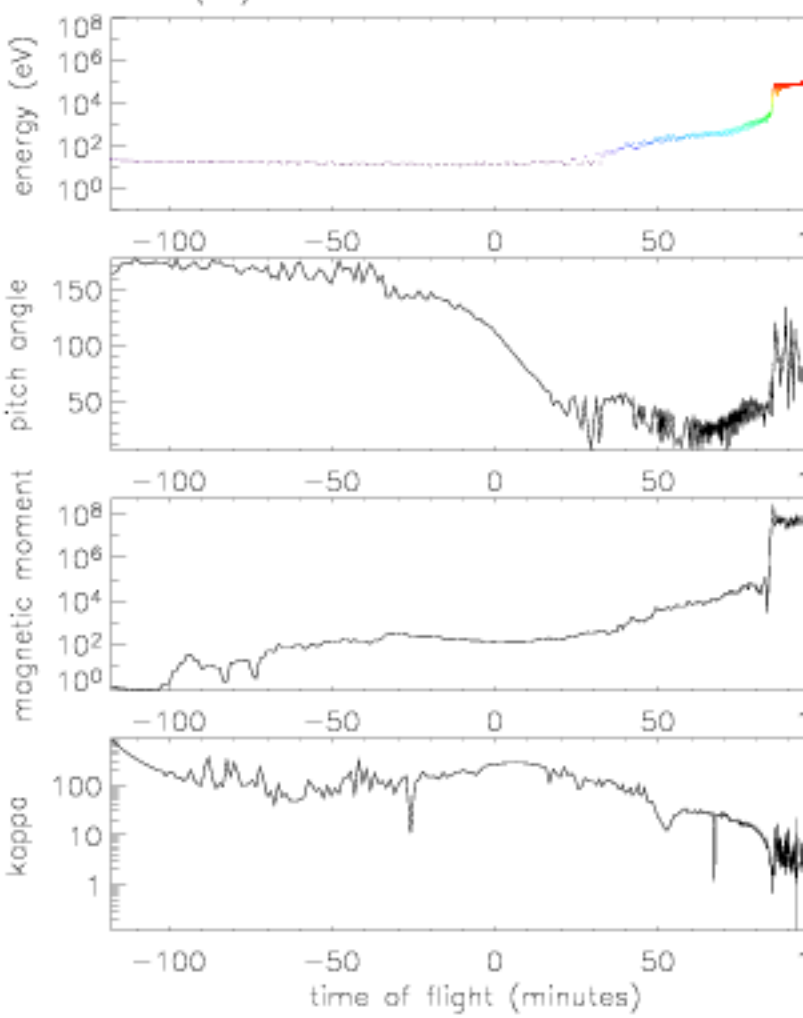

Start, Stop Parameters:

Time (minute): −117.7, 106.0
Magnetic local time: 10.650, 23.410
Magnetic latitude: 64.880, 43.240
Distance (Re): 1.16, 70.00
Energy (eV): 26.16, 123700.00
Pitch angle: 163.600, 129.500
Tilt angle (deg): 0.000

file: particle0019717.full

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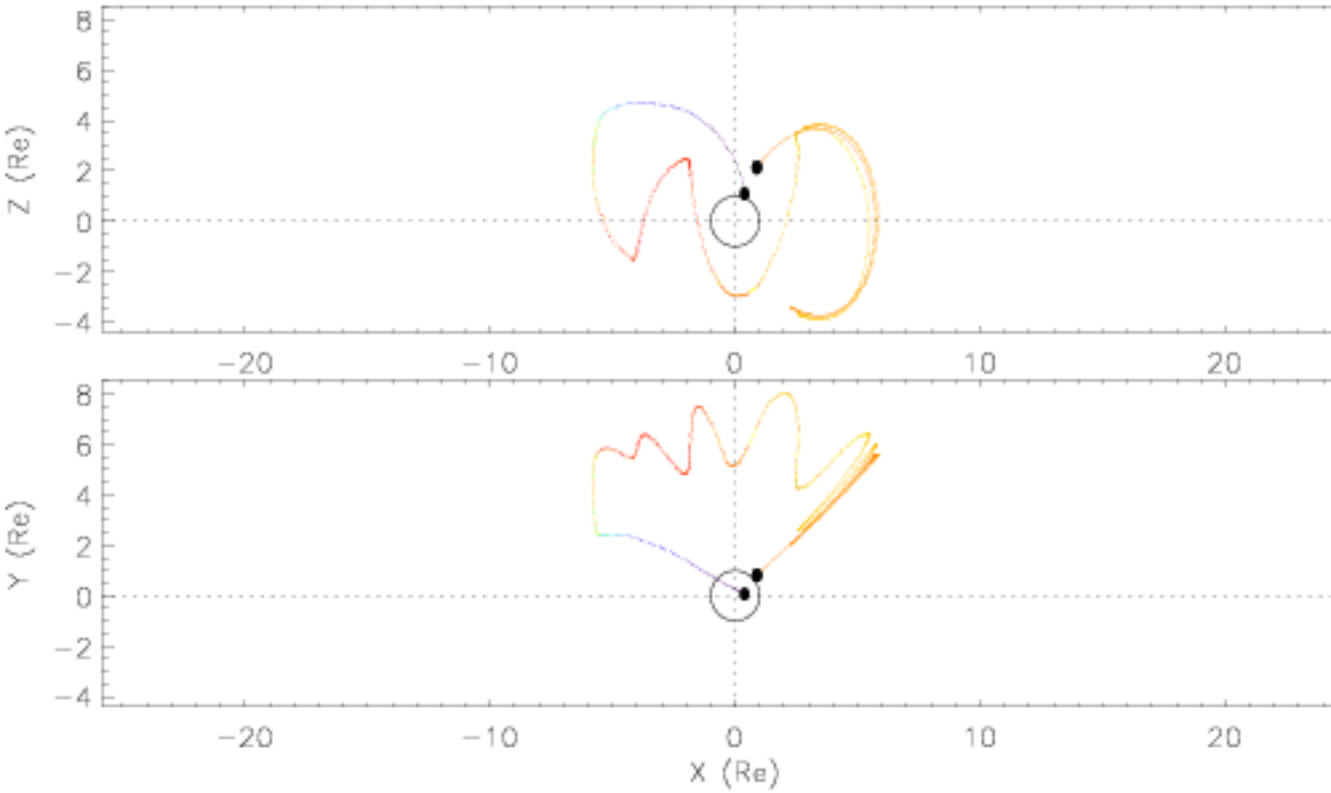

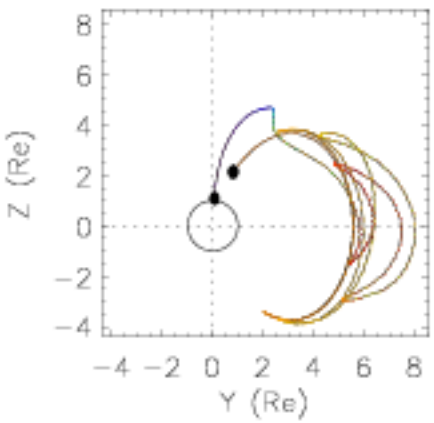

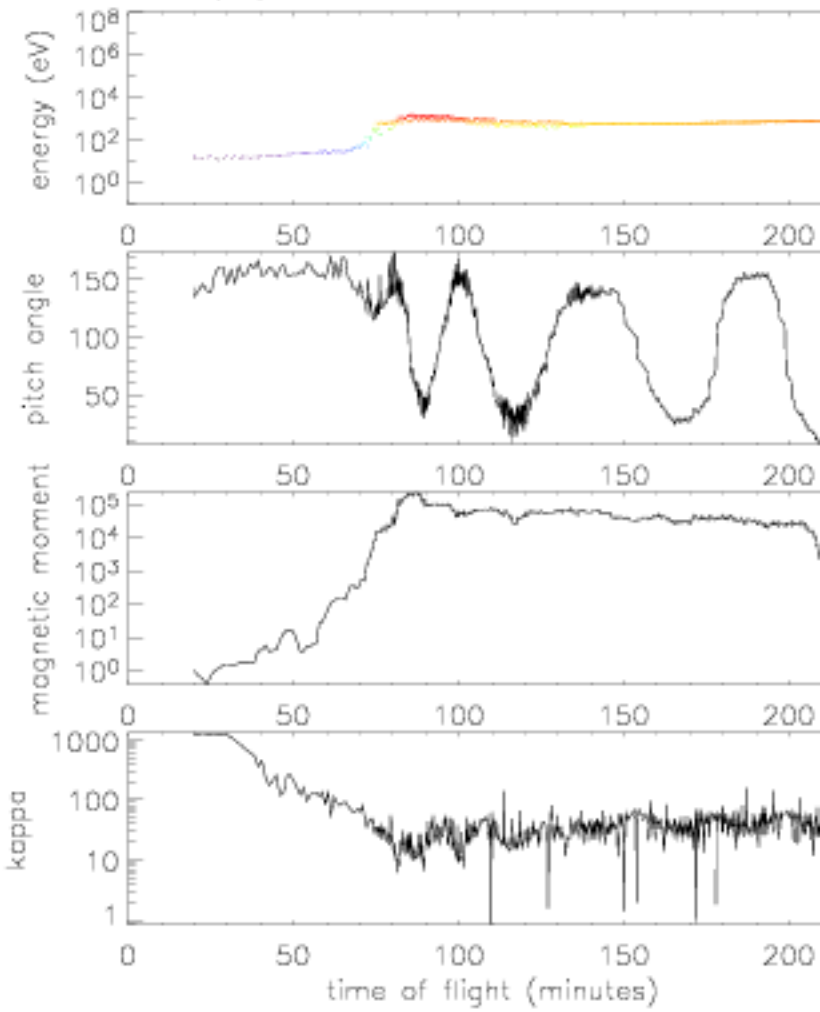

Start, Stop Parameters:

Time (minute): 19.8, 220.8
Magnetic local time: 12.690, 14.840
Magnetic latitude: 70.370, 60.620
Distance (Re): 1.16, 2.45
Energy (eV): 13.89, 829.40
Pitch angle: 143.700, 76.110
Tilt angle (deg): 0.000

file: particle0020351.full

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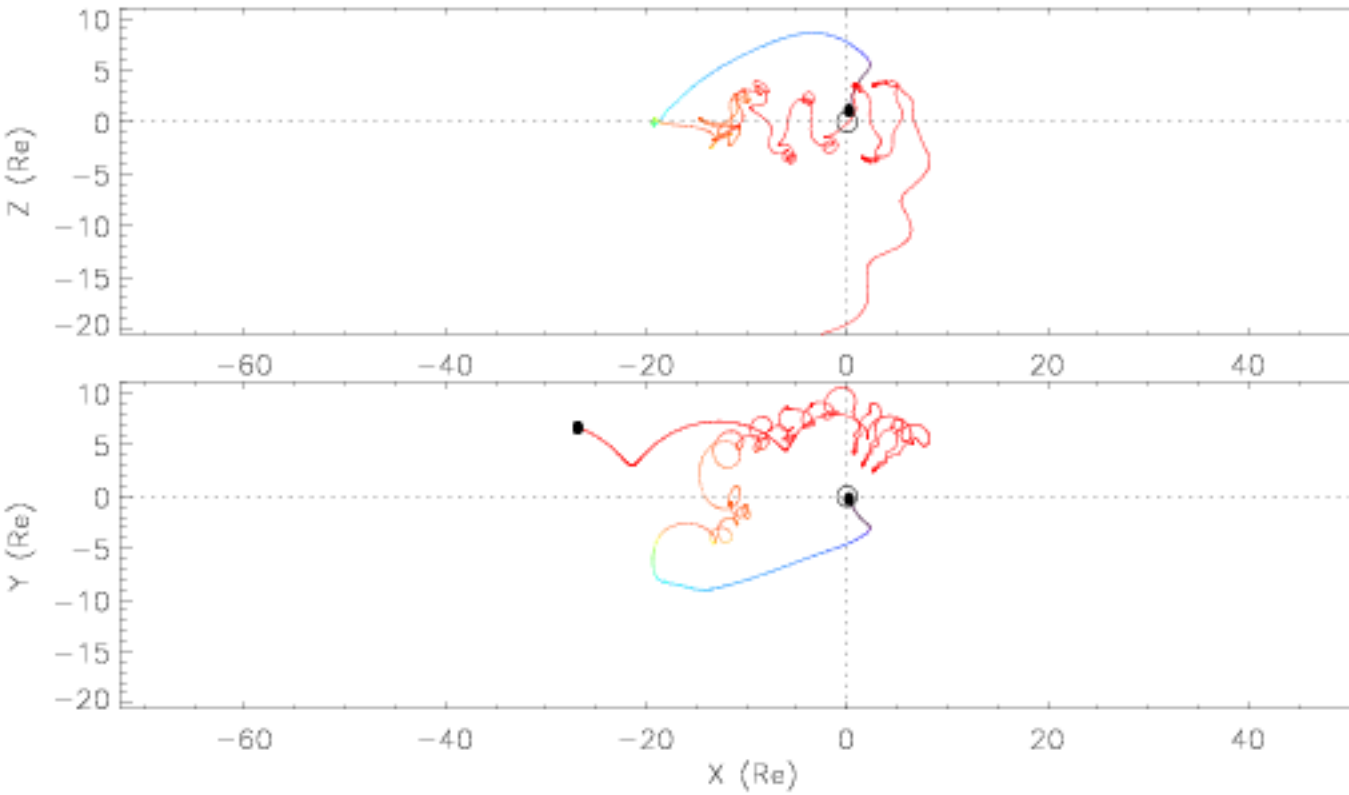

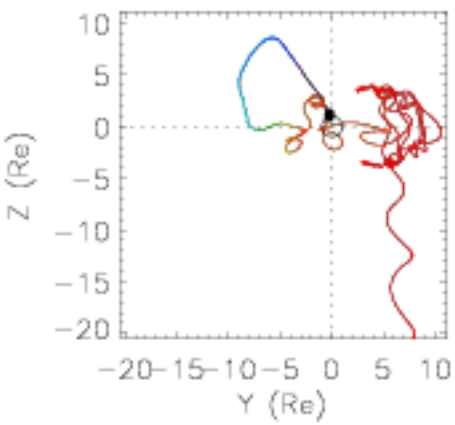

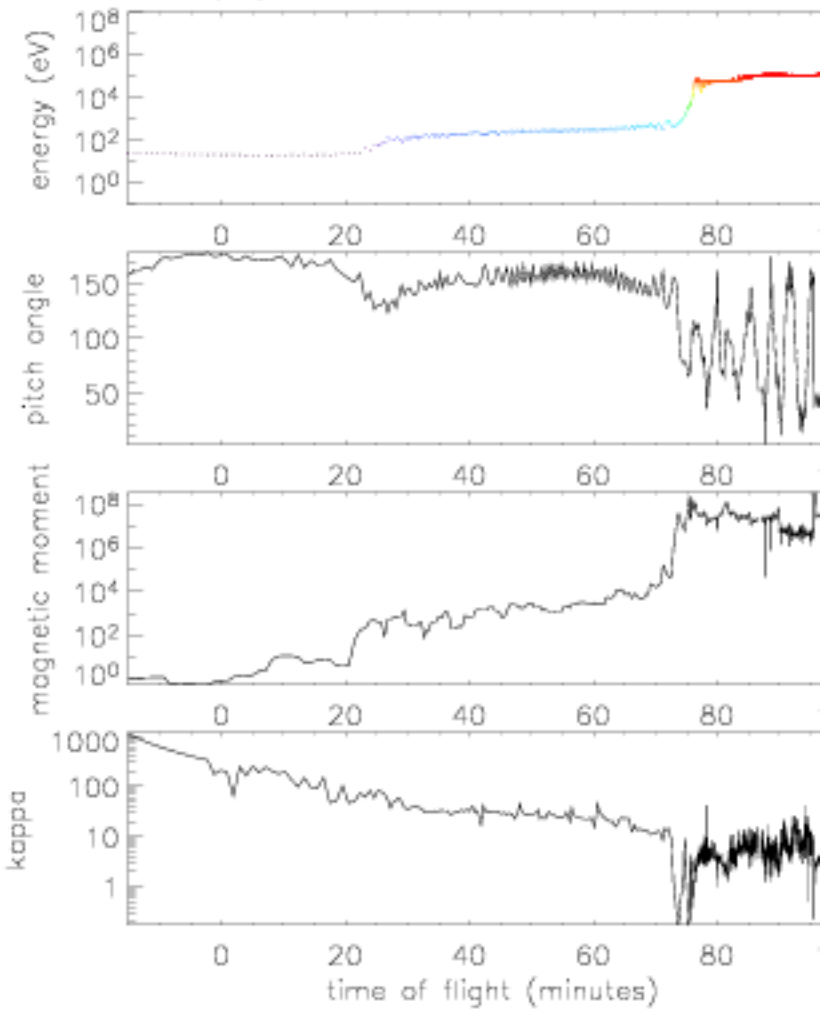

Start, Stop Parameters:

Time (minute): −15.1, 102.7
Magnetic local time: 8.533, 23.070
Magnetic latitude: 74.110,−66.750
Distance (Re): 1.16, 70.01
Energy (eV): 27.65, 165800.00
Pitch angle: 158.400, 35.620
Tilt angle (deg): 0.000

file: particle0020519.full

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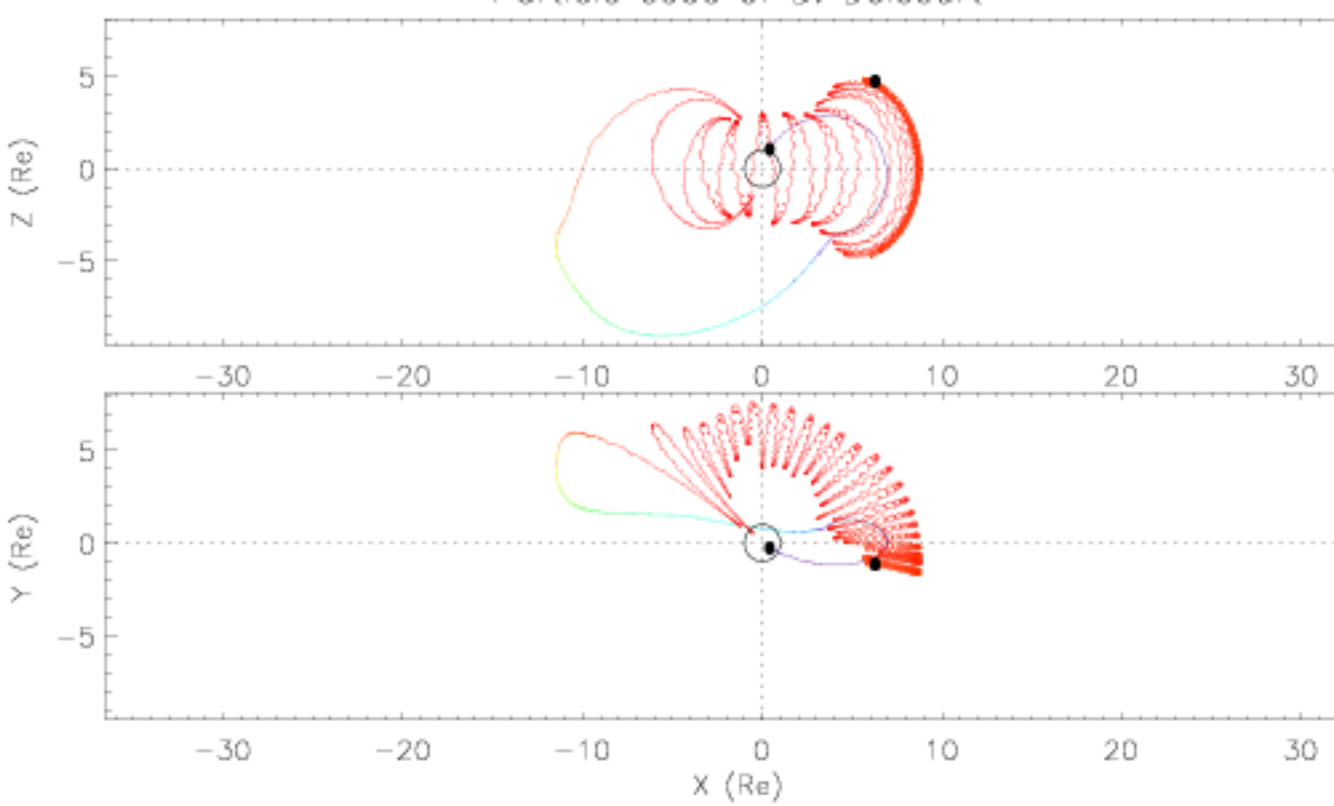

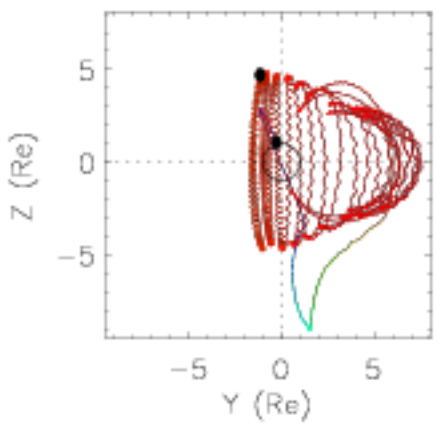

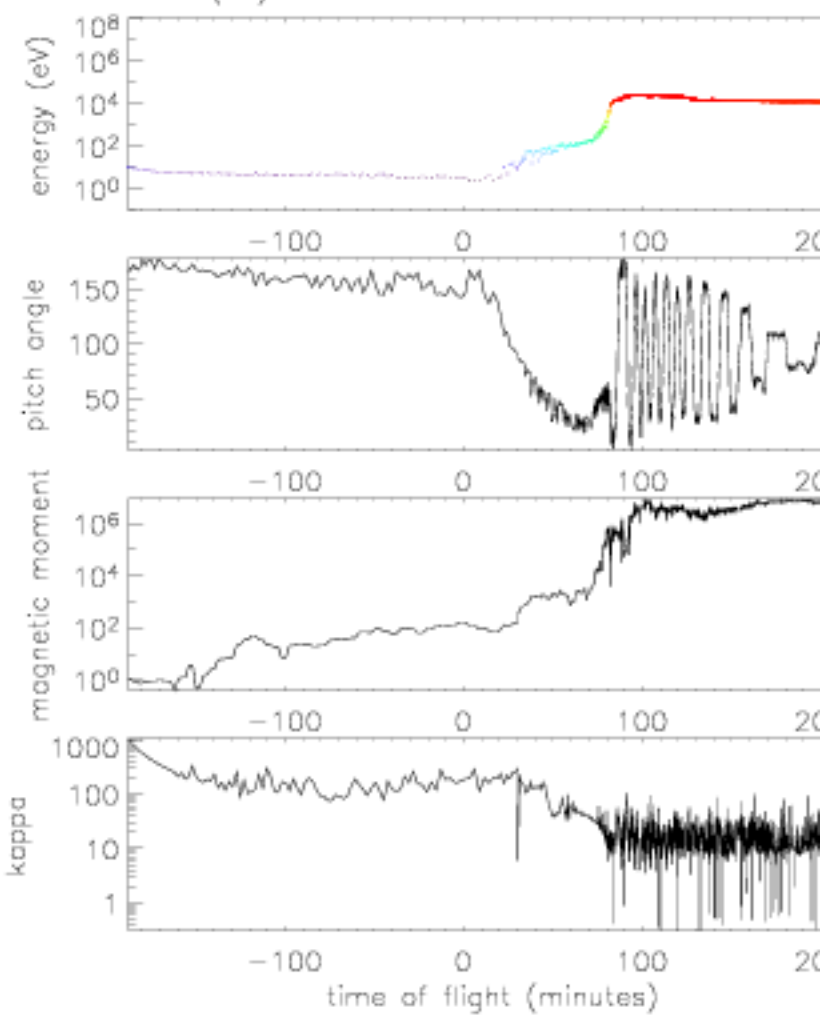

Start, Stop Parameters:

Time (minute): −187.7, 220.8
Magnetic local time: 9.785, 11.310
Magnetic latitude: 64.850, 36.390
Distance (Re): 1.16, 7.94
Energy (eV): 12.05, 10950.00
Pitch angle: 164.400, 106.600
Tilt angle (deg): 0.000

file: particle0020849.full

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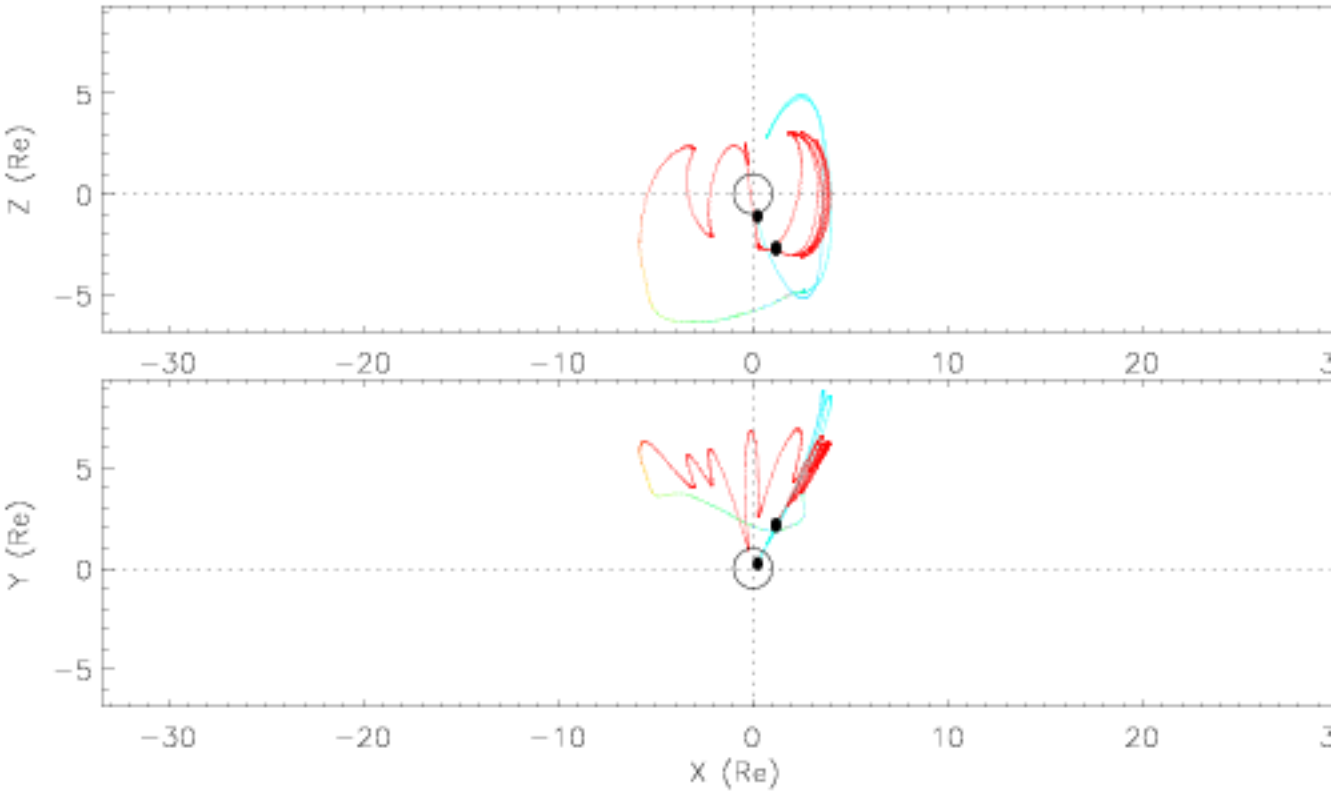

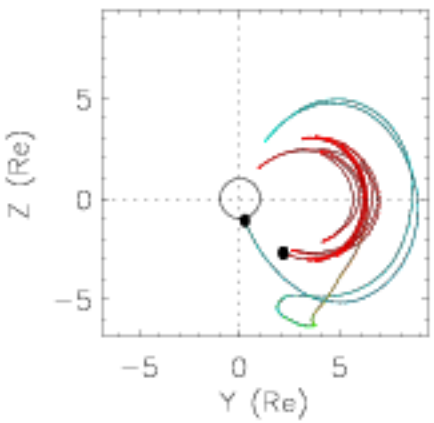

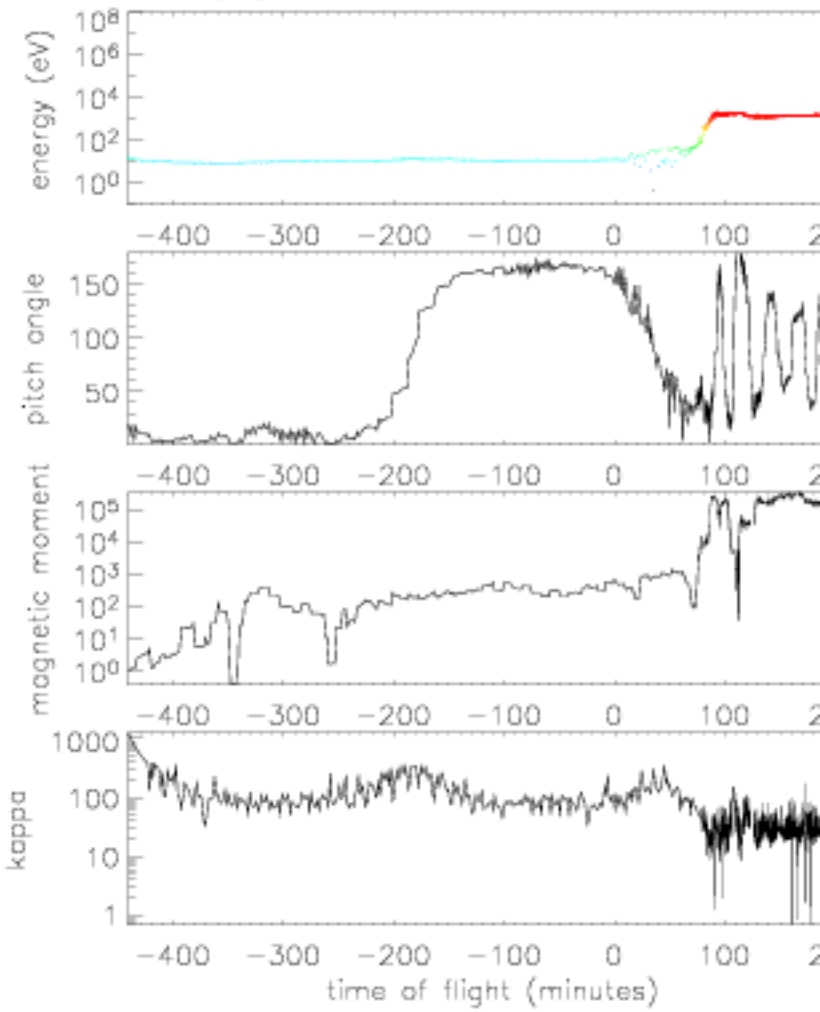

Start, Stop Parameters:

Time (minute): −440.5, 220.8
Magnetic local time: 15.030, 16.090
Magnetic latitude: −72.820, −47.670
Distance (Re): 1.16, 3.66
Energy (eV): 16.33, 1617.00
Pitch angle: 20.270, 128.800
Tilt angle (deg): 0.000

file: particle0020940.full

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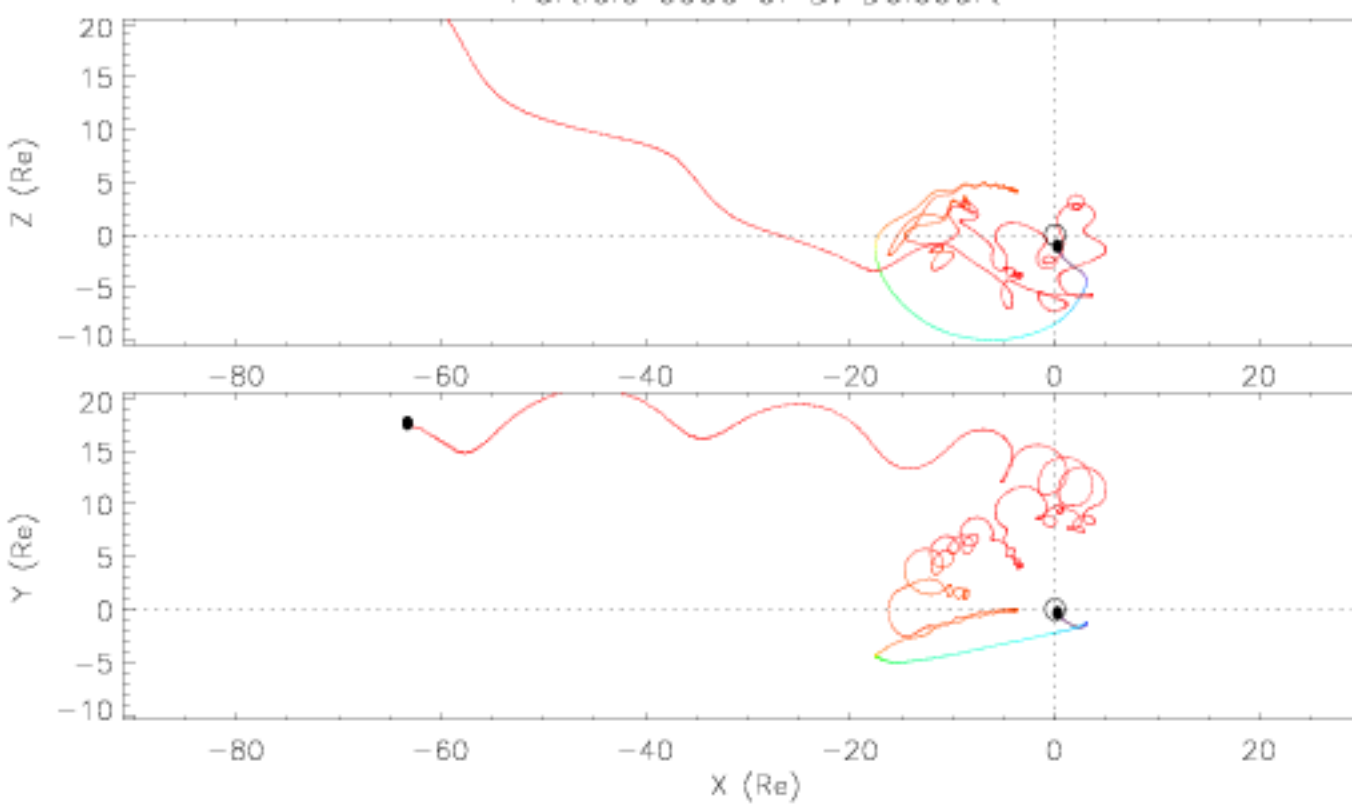

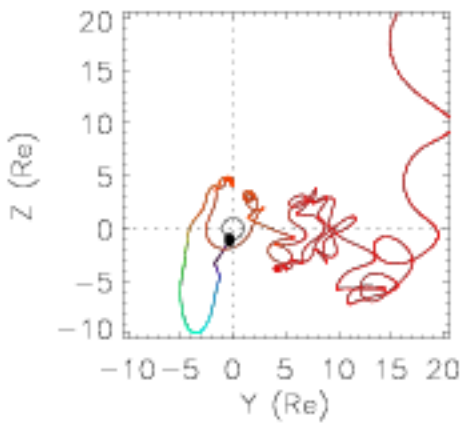

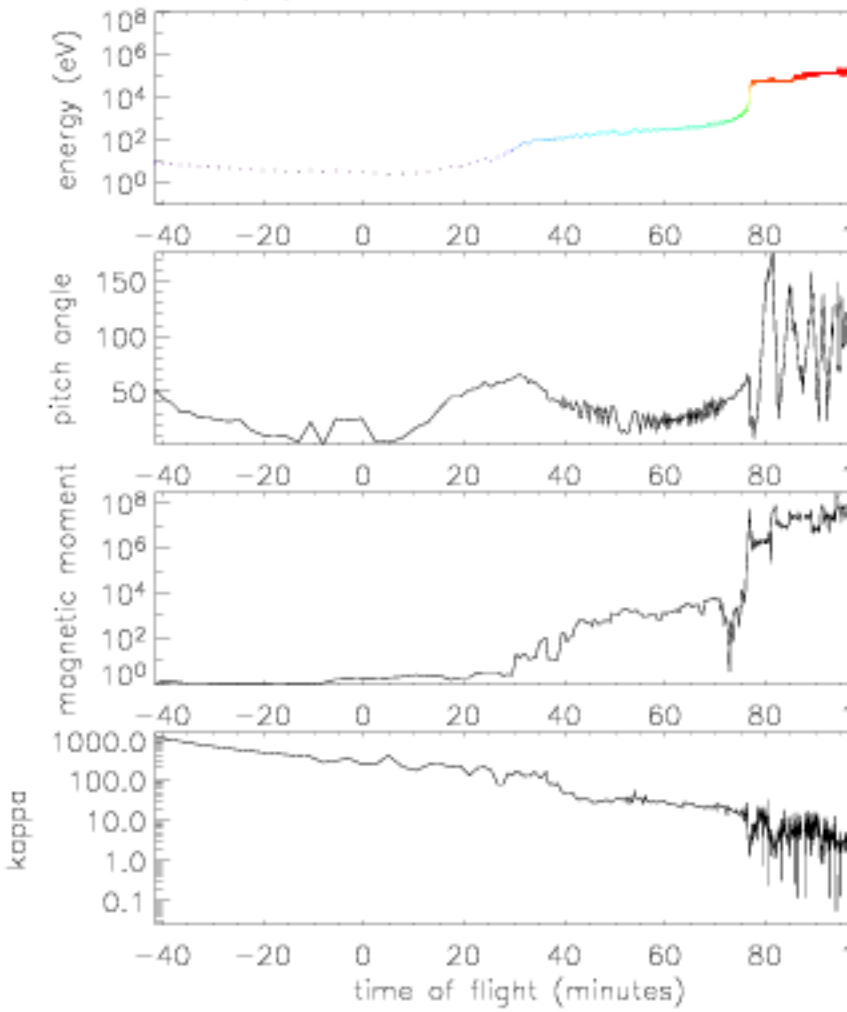

Start, Stop Parameters:

Time (minute): −41.5, 103.8
Magnetic local time: 8.333, 22.960
Magnetic latitude: −68.680, 20.270
Distance (Re): 1.16, 70.02
Energy (eV): 9.01, 157100.00
Pitch angle: 47.420, 128.100
Tilt angle (deg): 0.000

file: particle0021190.full

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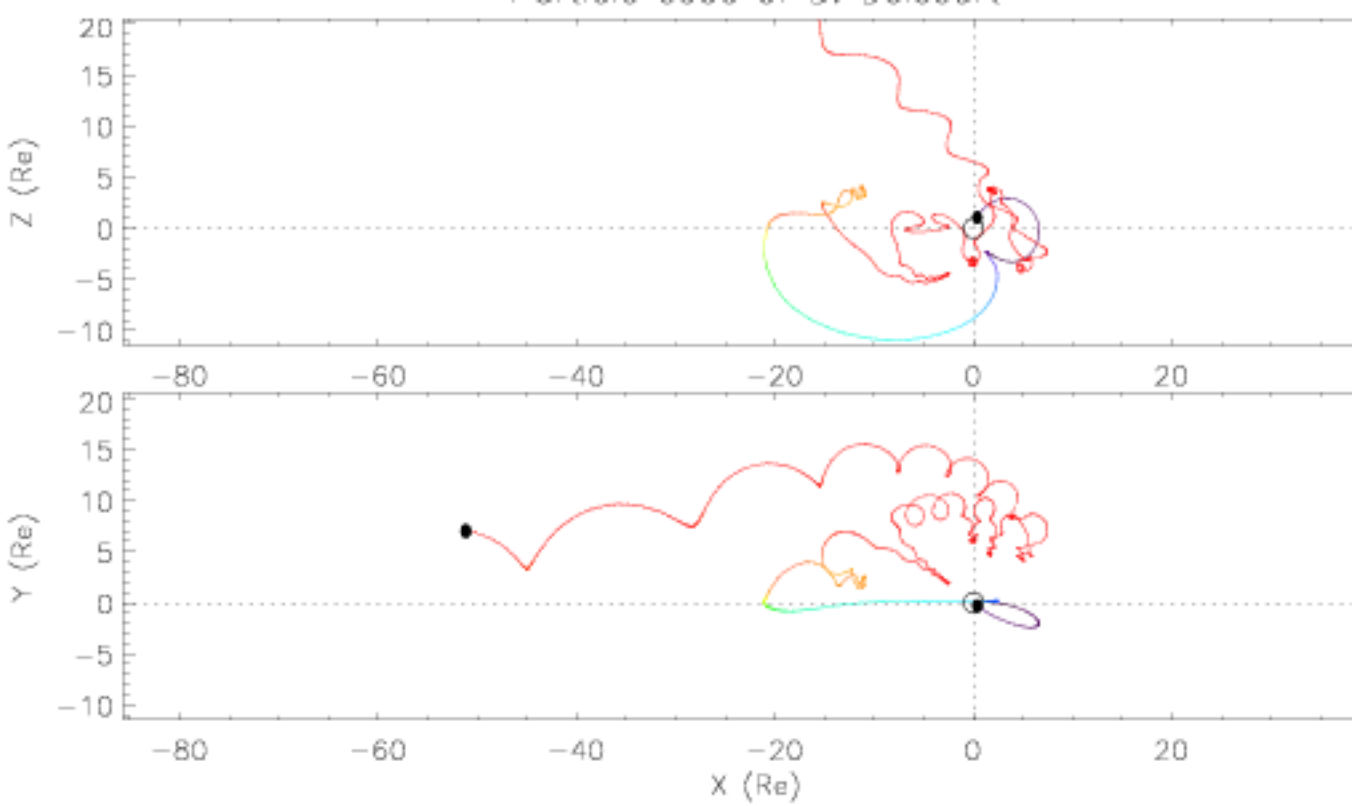

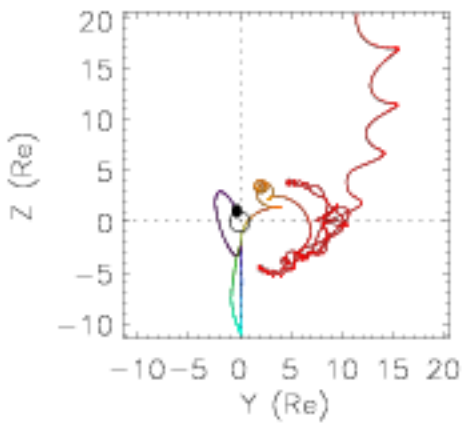

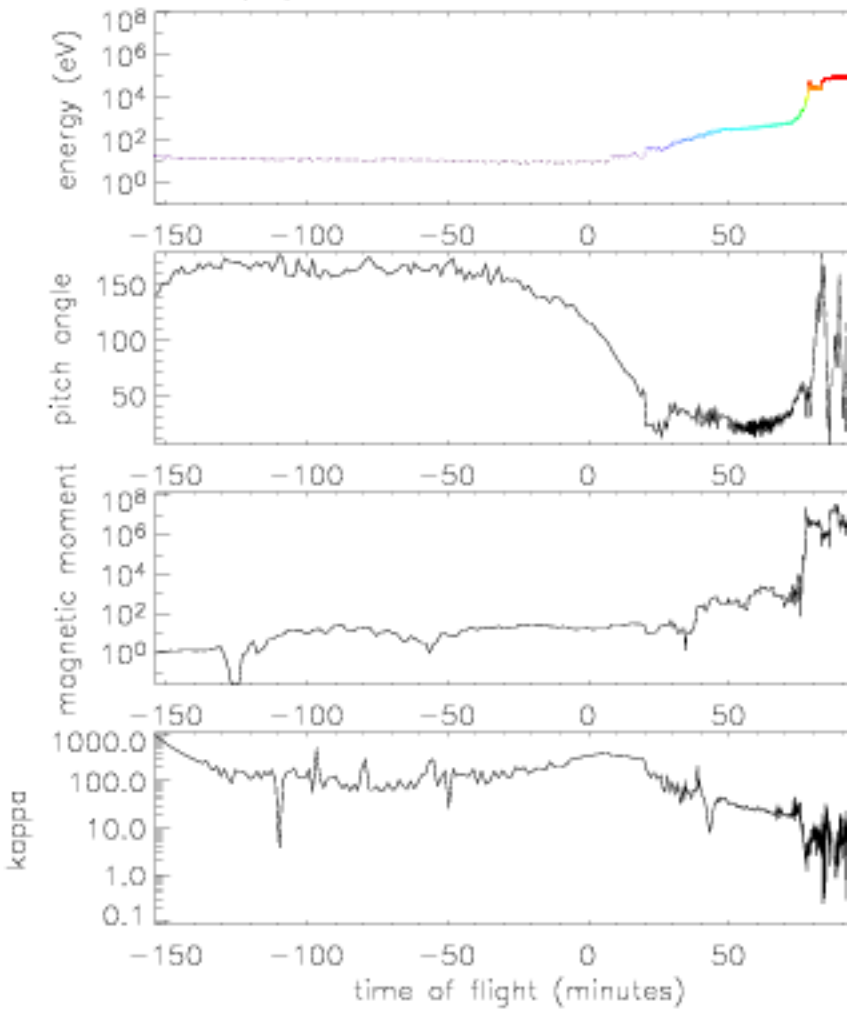

Start, Stop Parameters:

Time (minute): −153.7, 105.5
Magnetic local time: 9.338, 23.480
Magnetic latitude: 66.090, 42.440
Distance (Re): 1.16, 70.00
Energy (eV): 18.82, 110600.00
Pitch angle: 139.900, 129.100
Tilt angle (deg): 0.000

file: particle0021449.full

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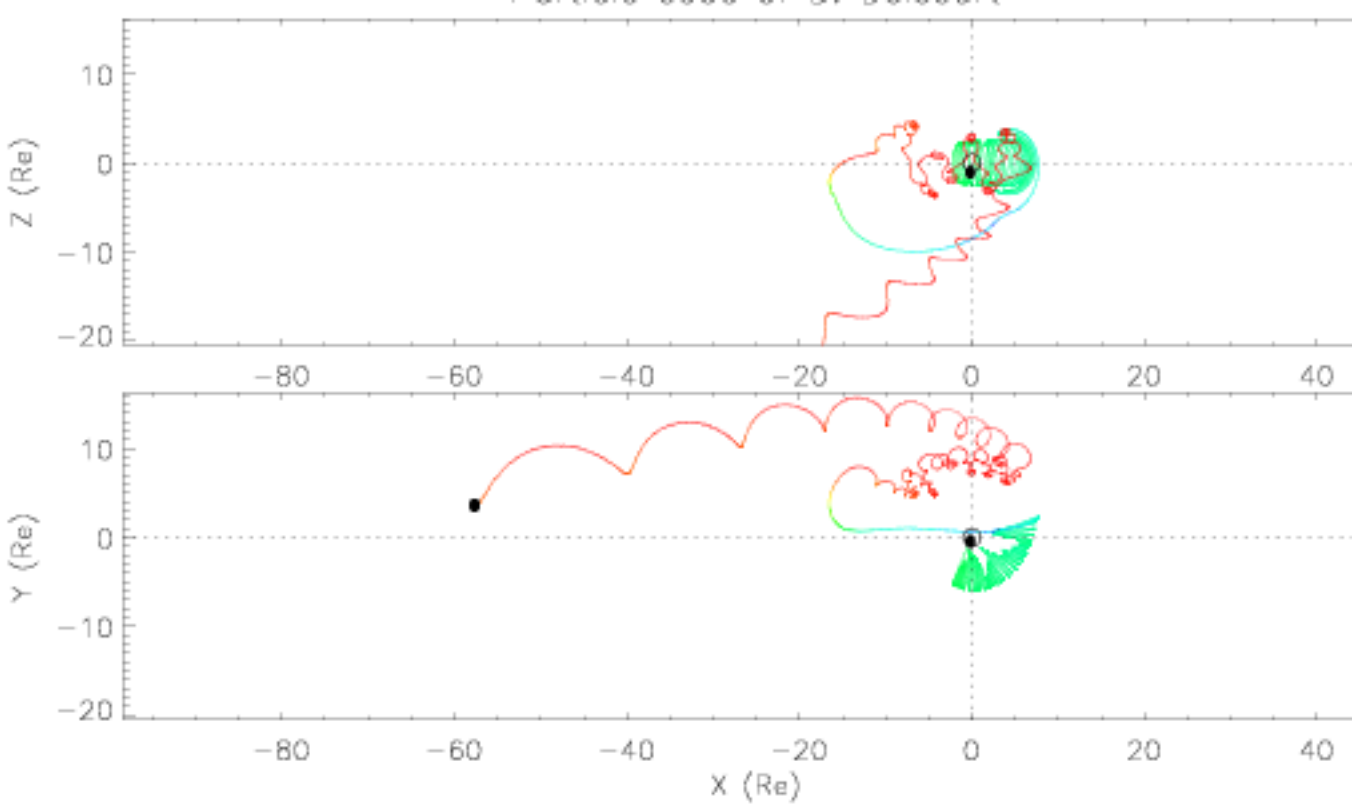

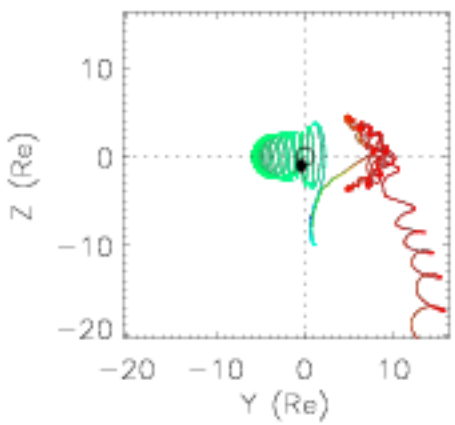

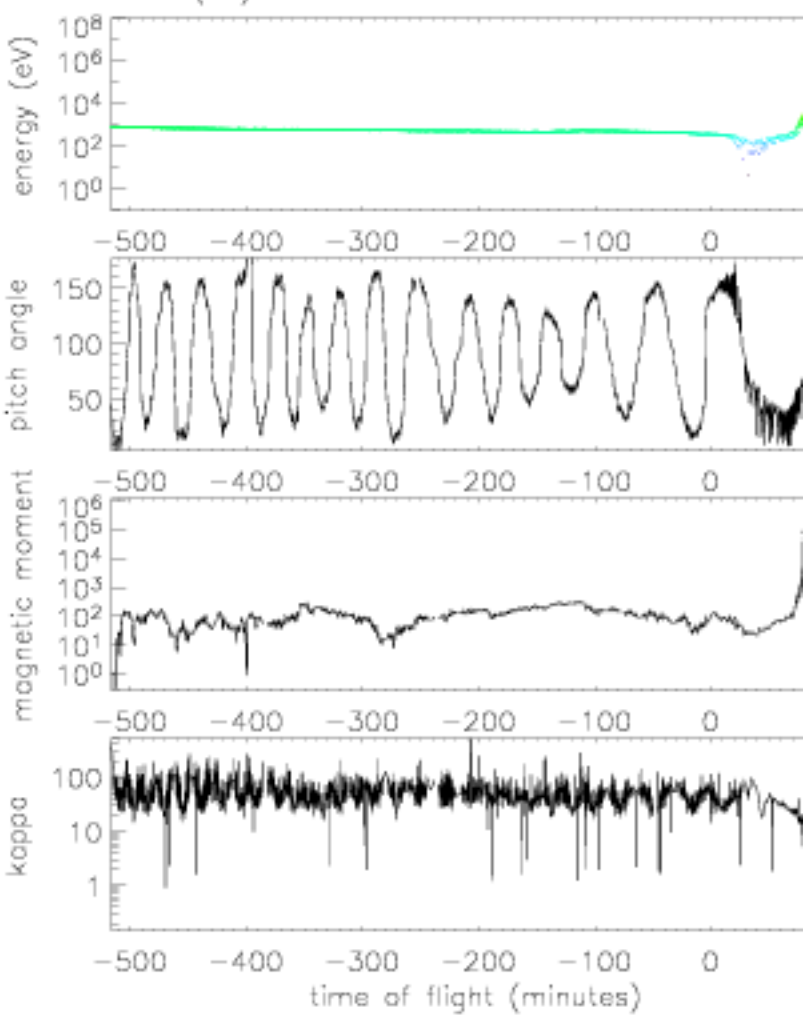

Start, Stop Parameters:

Time (minute): −516.0, 112.0
Magnetic local time: 4.345, 23.760
Magnetic latitude: −64.400, −34.390
Distance (Re): 1.16, 70.01
Energy (eV): 793.50, 33030.00
Pitch angle: 44.690, 22.670
Tilt angle (deg): 0.000

file: particle0021742.full

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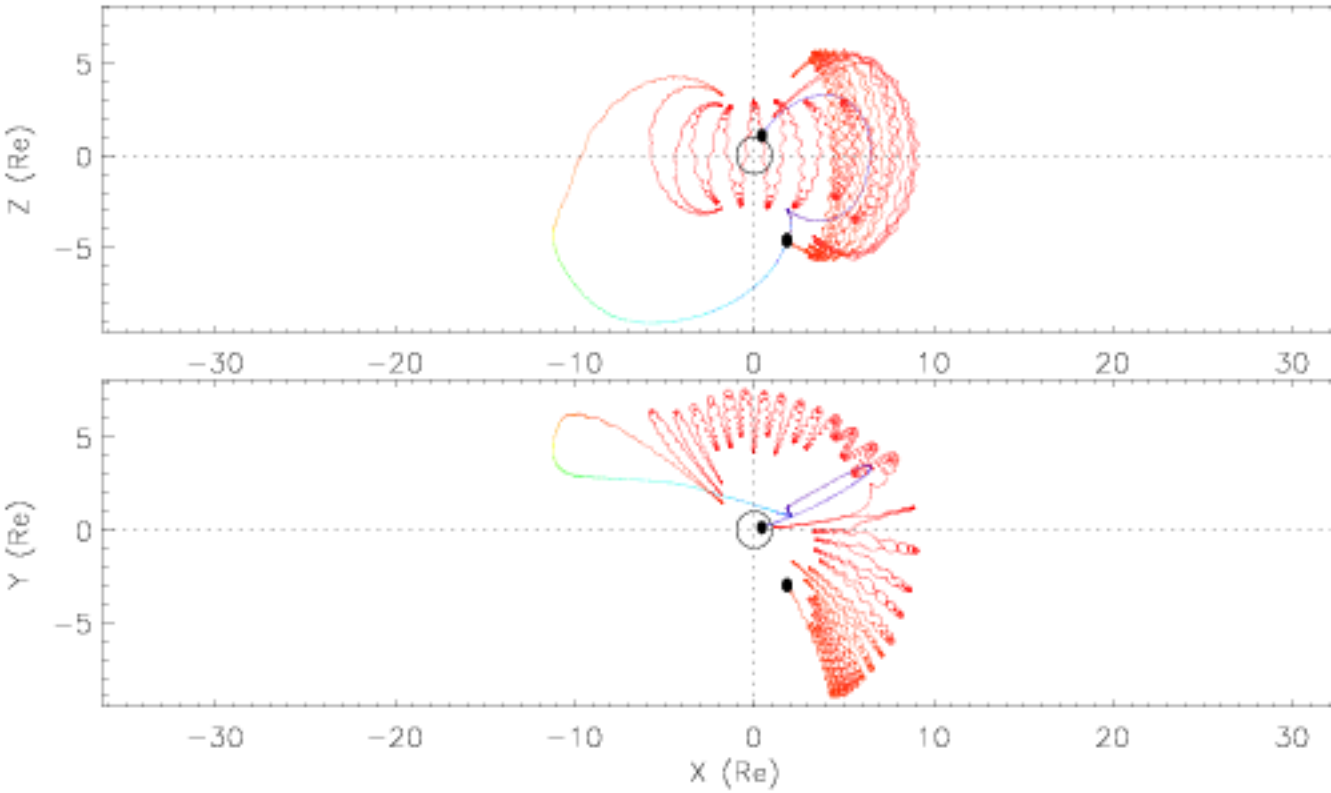

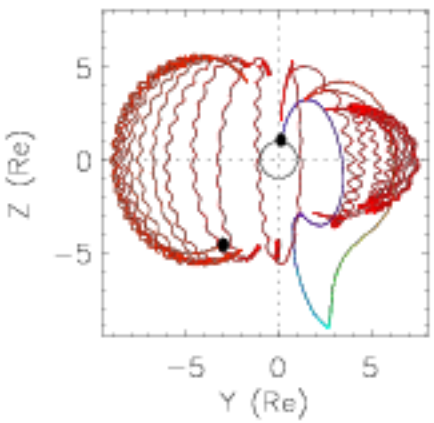

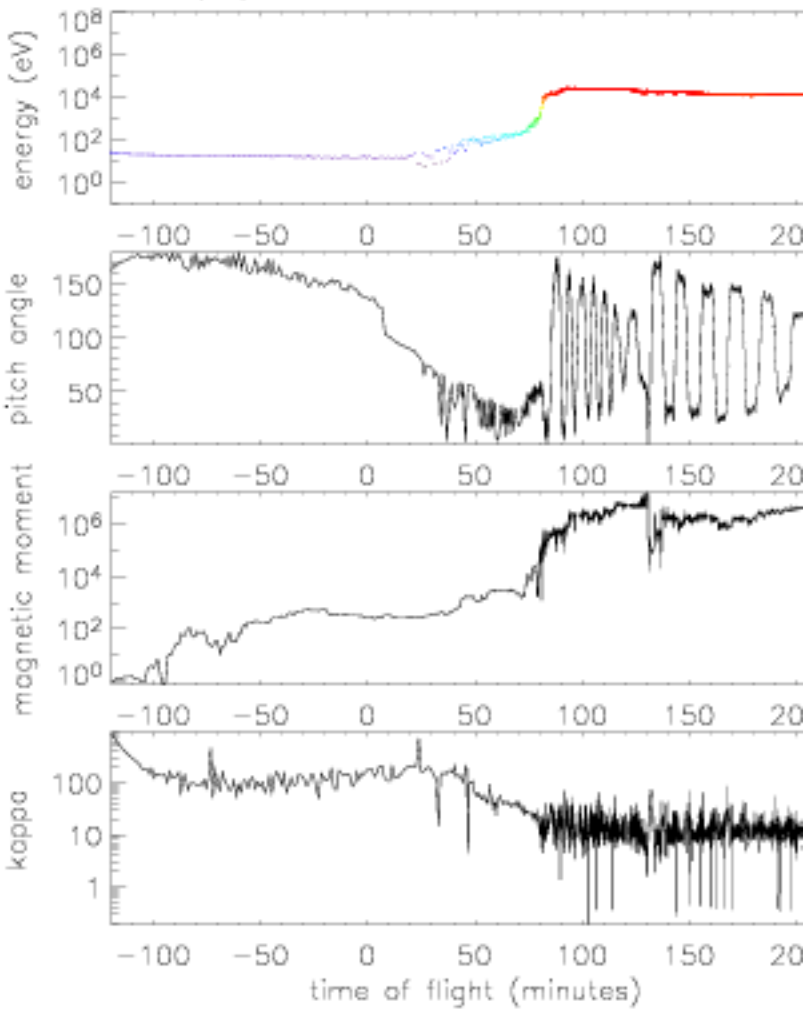

Start, Stop Parameters:

Time (minute): −119.6, 220.8
Magnetic local time: 13.120, 8.093
Magnetic latitude: 67.600,−52.600
Distance (Re): 1.16, 5.78
Energy (eV): 28.15, 13290.00
Pitch angle: 164.600, 103.000
Tilt angle (deg): 0.000

file: particle0022357.full

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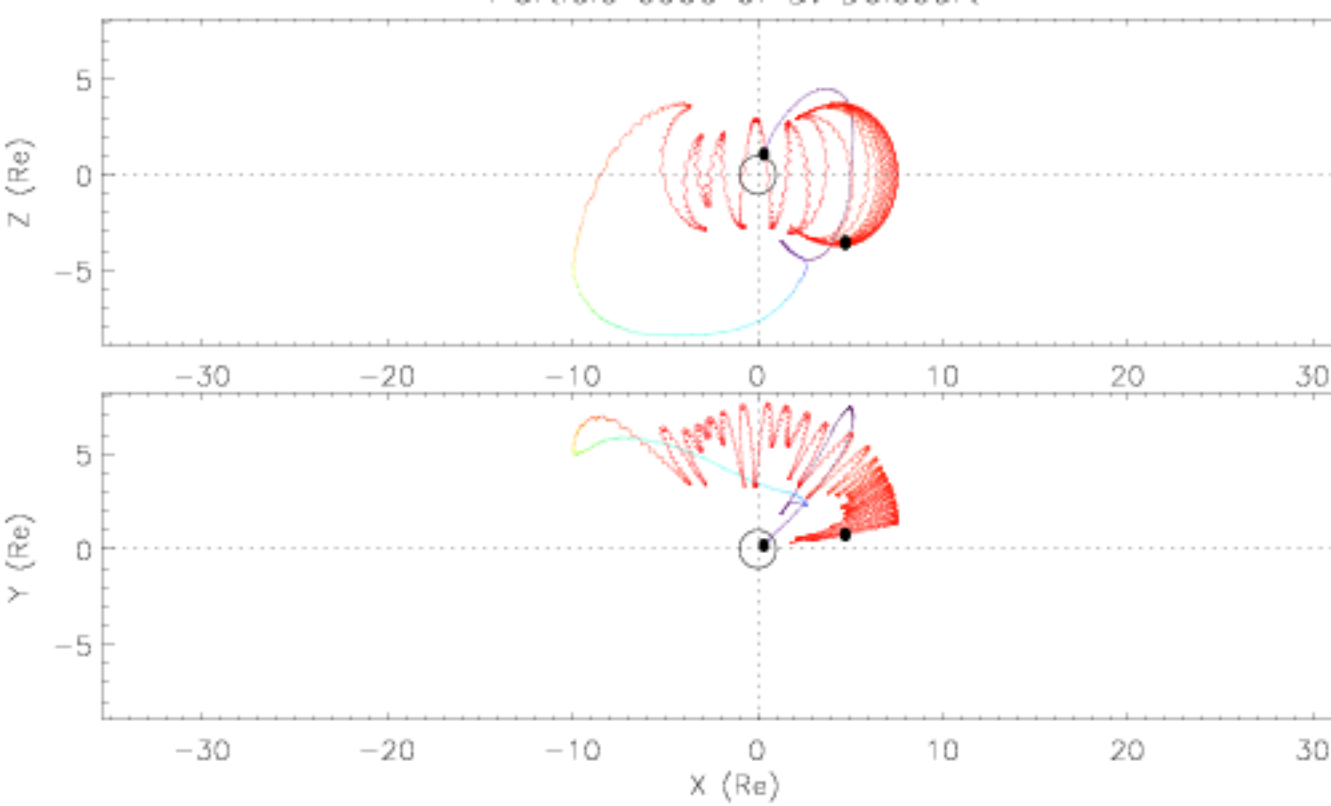

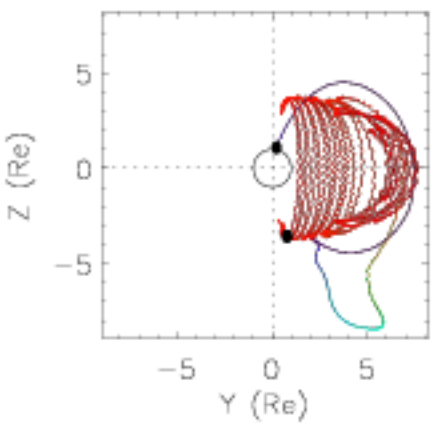

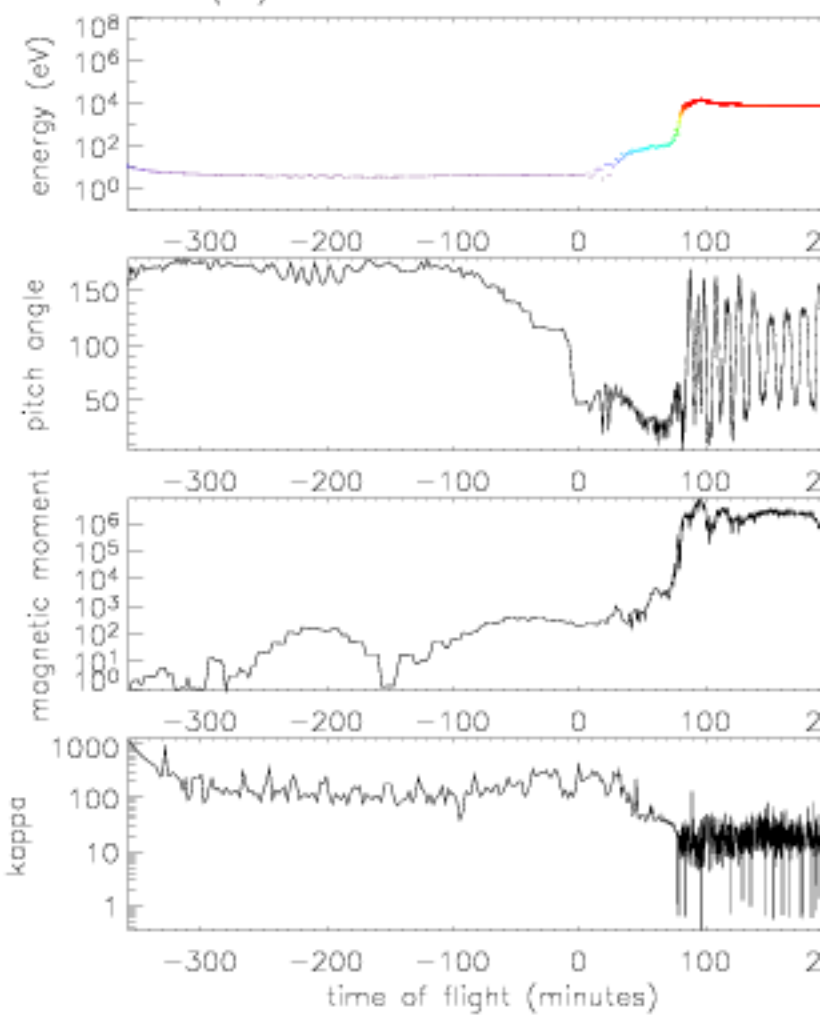

Start, Stop Parameters:

Time (minute): −356.7, 220.8
Magnetic local time: 14.190, 12.620
Magnetic latitude: 70.440, −36.640
Distance (Re): 1.16, 5.97
Energy (eV): 12.05, 9656.00
Pitch angle: 161.400, 36.220
Tilt angle (deg): 0.000

file: particle0024053.full

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