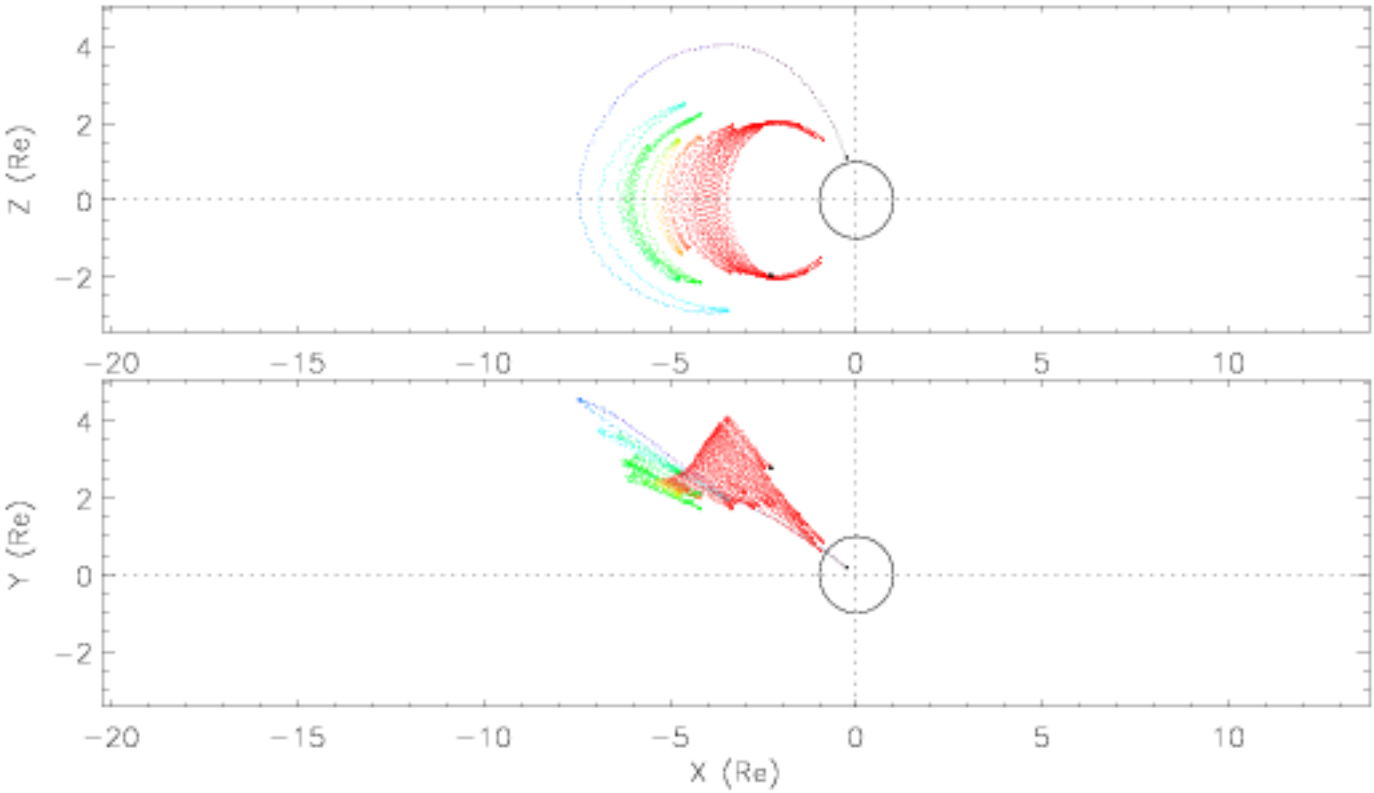
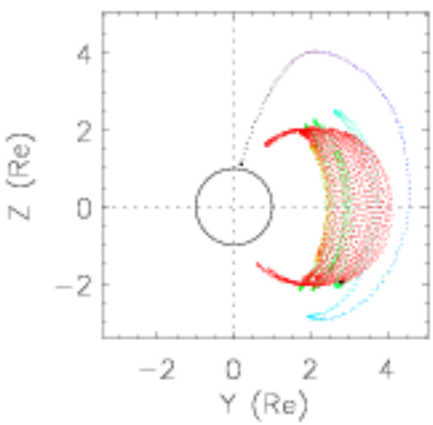
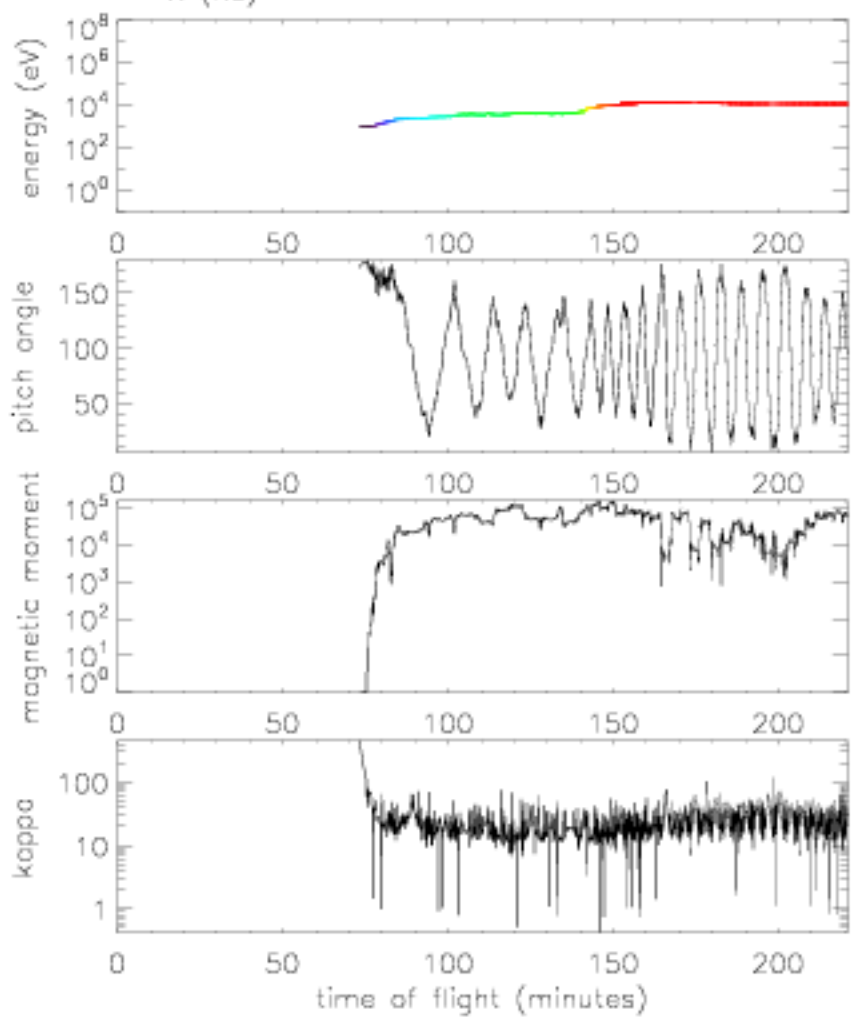
Particle code of D. Delcourt







Start, Stop Parameters:

Time (minute): 73.2, 220.8
Magnetic local time: 21.610, 20.640
Magnetic latitude: 73.960,−28.600
Distance (Re): 1.16, 4.11
Energy (eV): 1041.00, 12710.00
Pitch angle: 173.400, 94.680
Tilt angle (deg): 0.000

file: particle1011373.full

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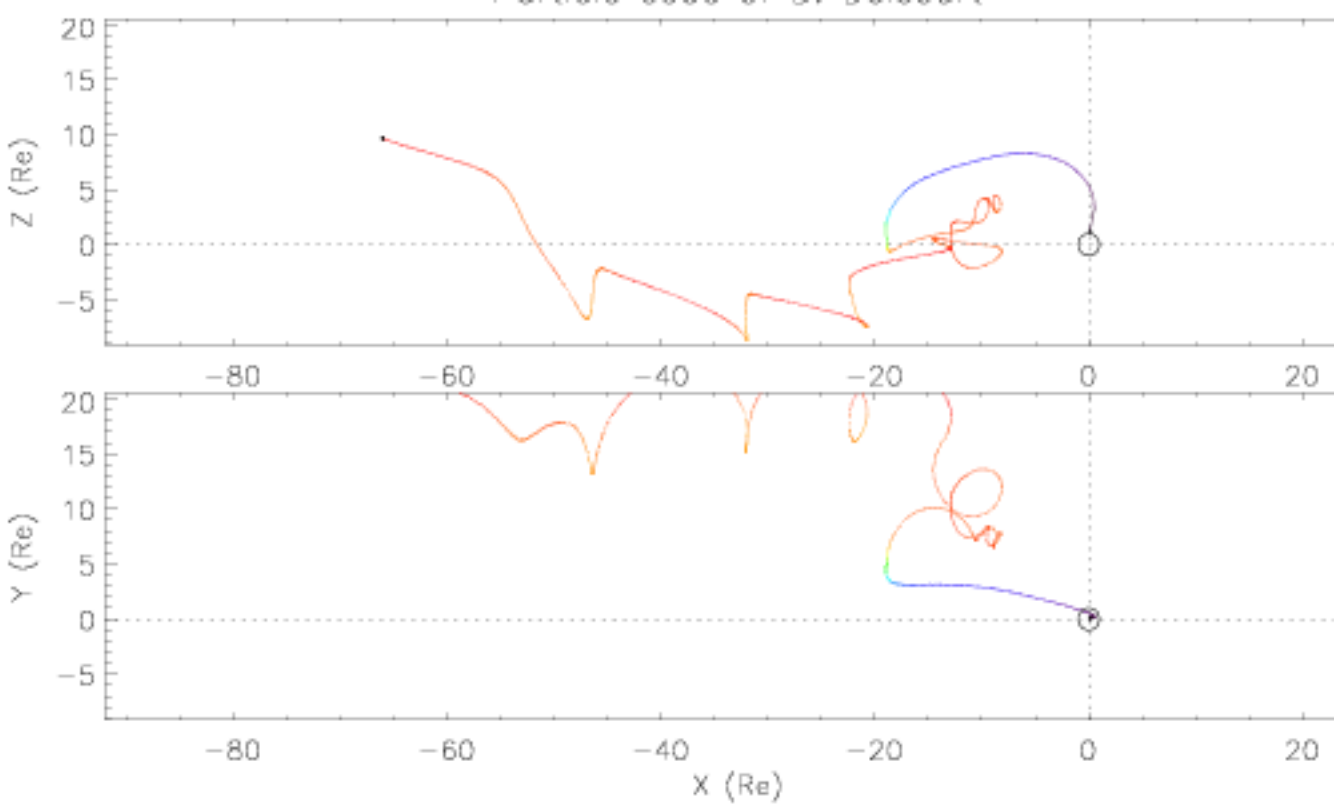

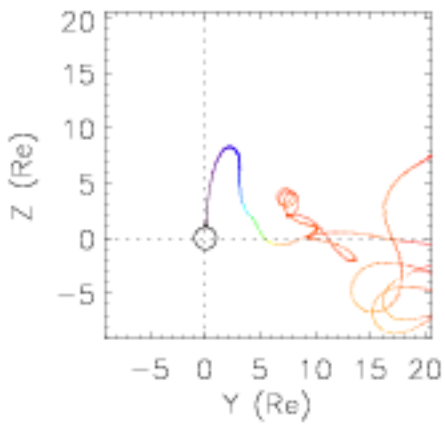

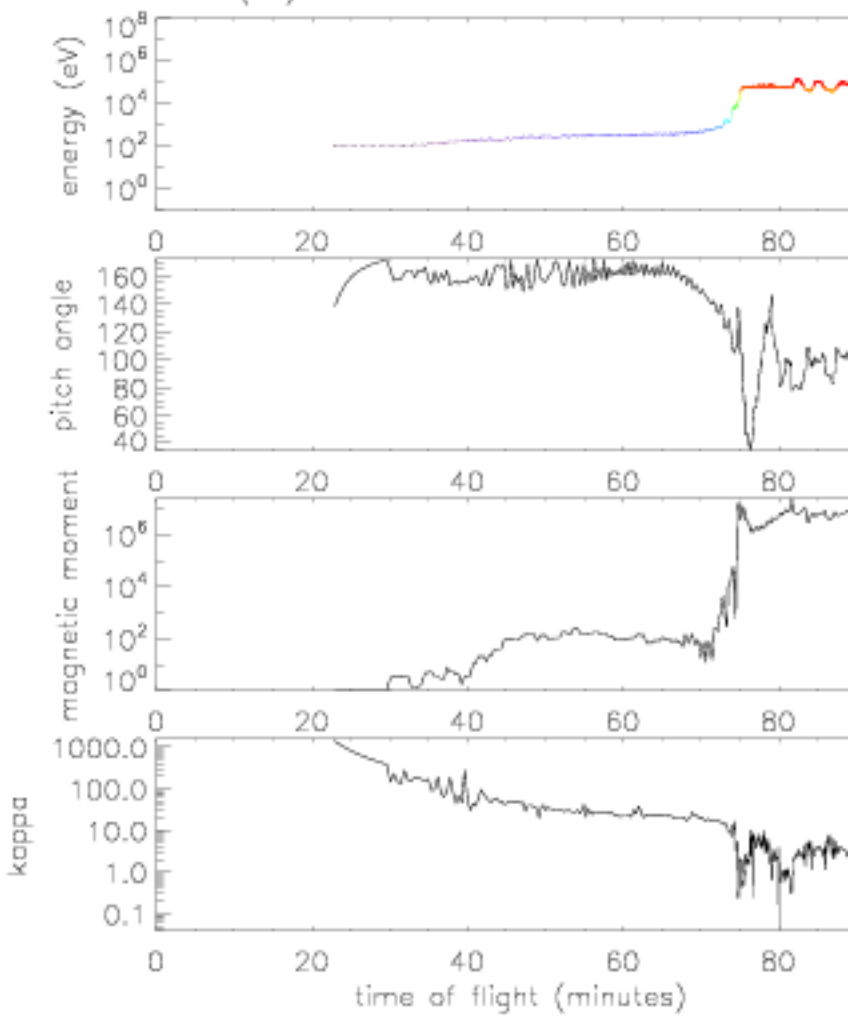

Start, Stop Parameters:

Time (minute): 22.9, 93.8
Magnetic local time: 13.300, 22.810
Magnetic latitude: 84.030, 7.915
Distance (Re): 1.16, 70.00
Energy (eV): 105.70, 96930.00
Pitch angle: 138.200, 119.600
Tilt angle (deg): 0.000

file: particle1018719.full

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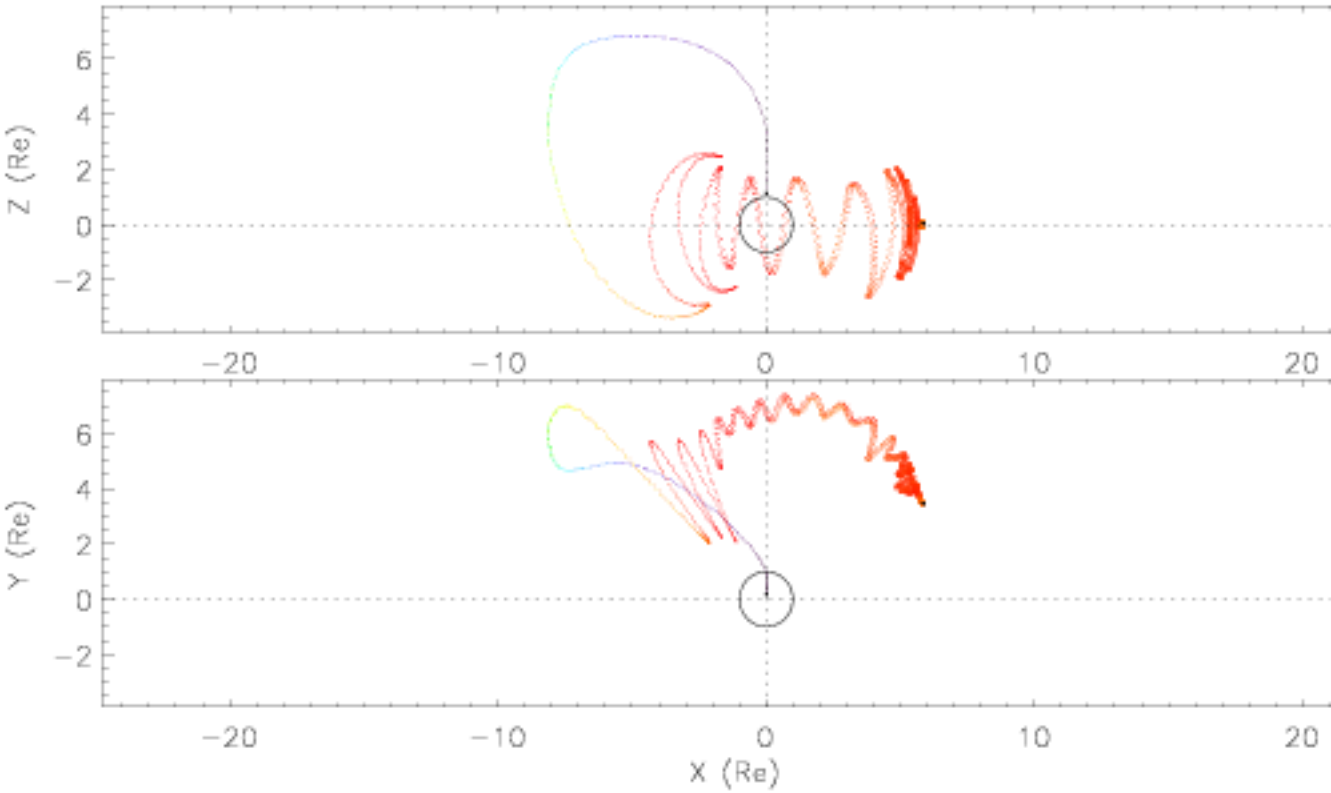

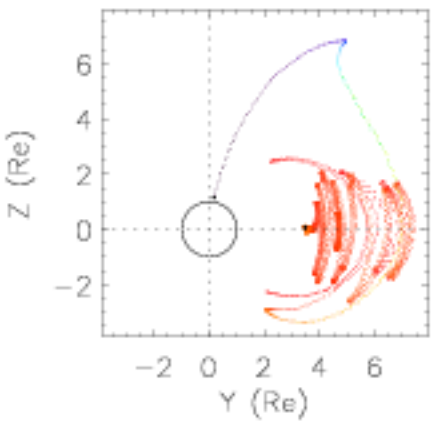

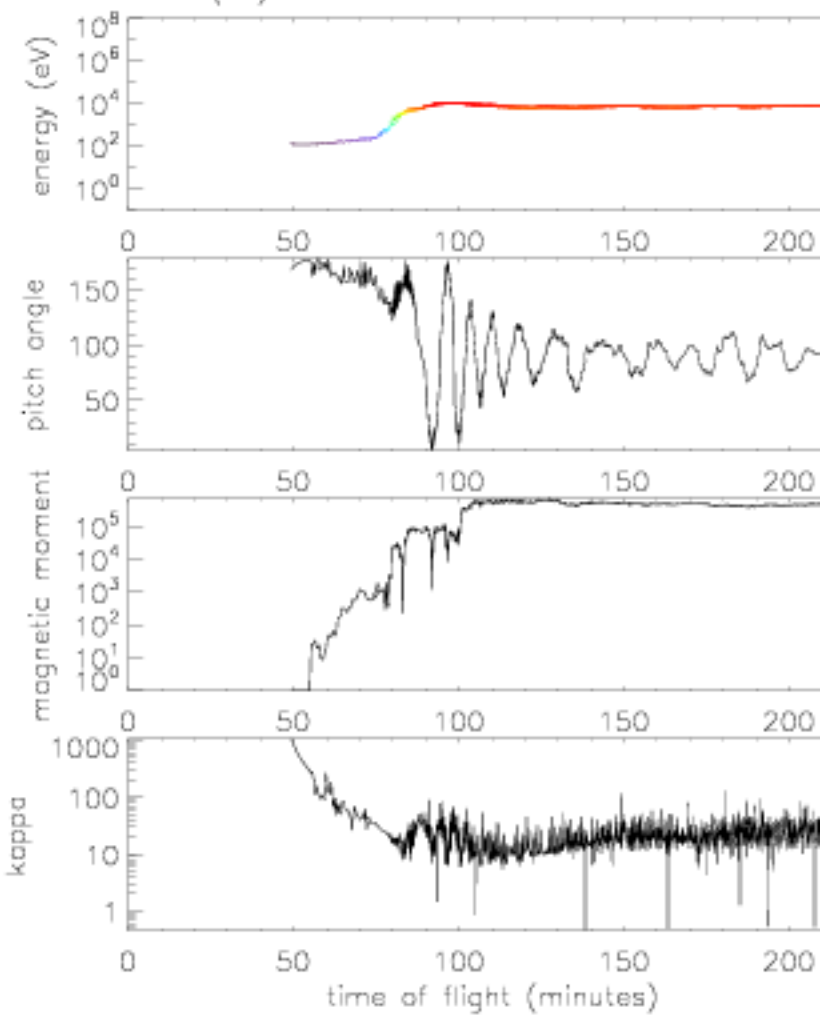

Start, Stop Parameters:

Time (minute): 49.3, 220.8
Magnetic local time: 17.650, 14.040
Magnetic latitude: 81.240, 0.484
Distance (Re): 1.16, 6.82
Energy (eV): 132.40, 6055.00
Pitch angle: 168.000, 93.440
Tilt angle (deg): 0.000

file: particle1023747.full

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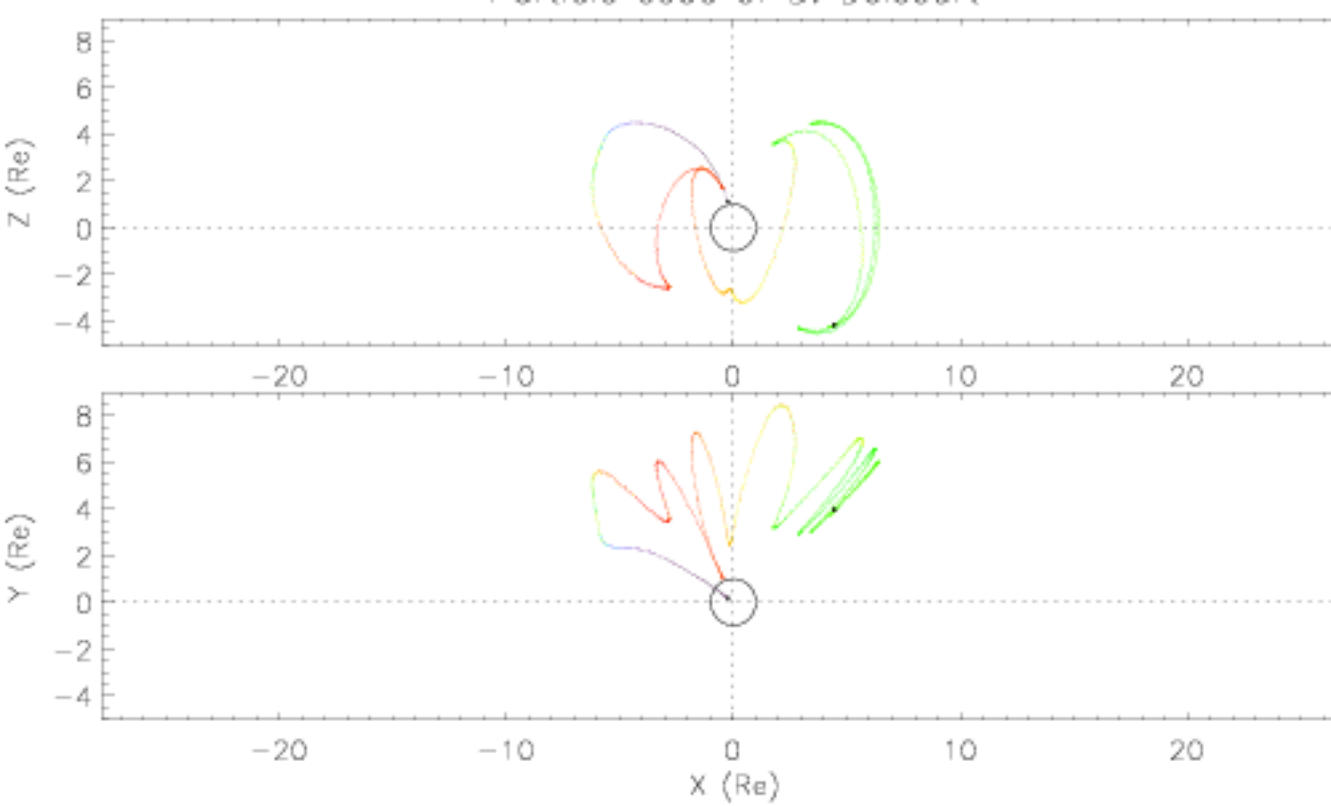

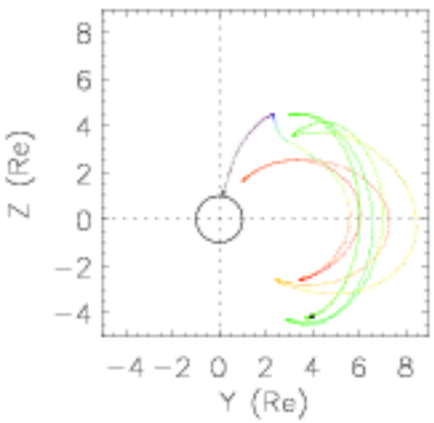

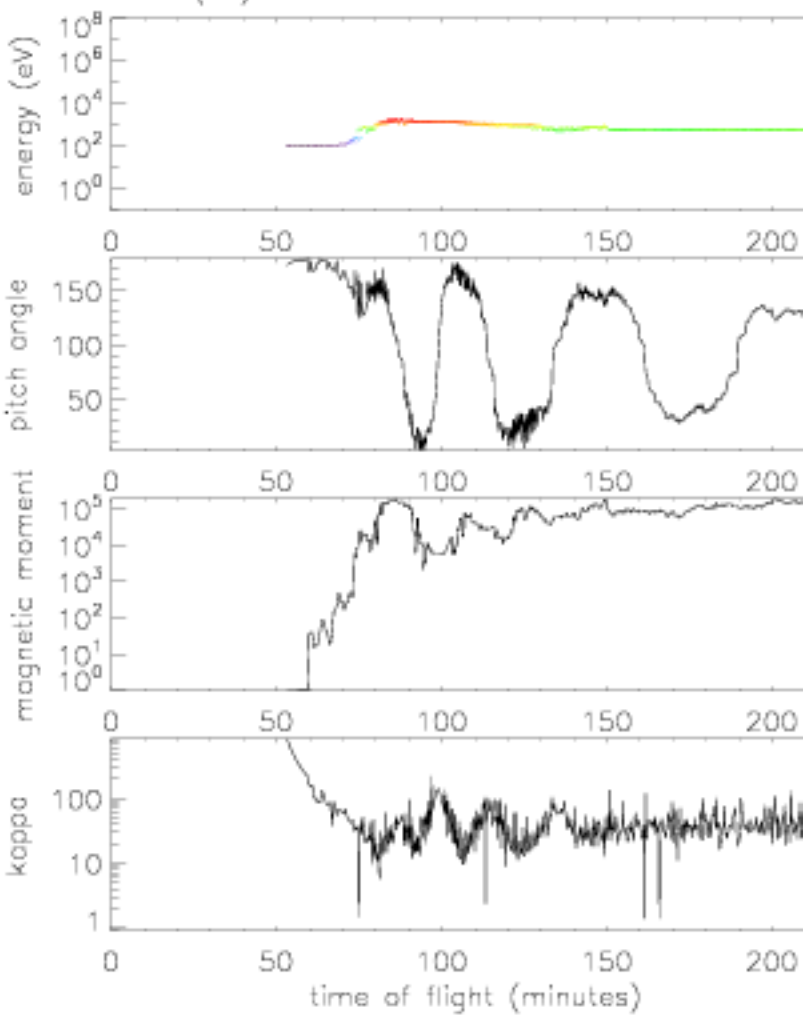

Start, Stop Parameters:

Time (minute): 53.1, 220.8
Magnetic local time: 21.540, 14.780
Magnetic latitude: 75.370,−35.040
Distance (Re): 1.16, 7.26
Energy (eV): 106.80, 663.20
Pitch angle: 173.400, 76.850
Tilt angle (deg): 0.000

file: particle1024781.full

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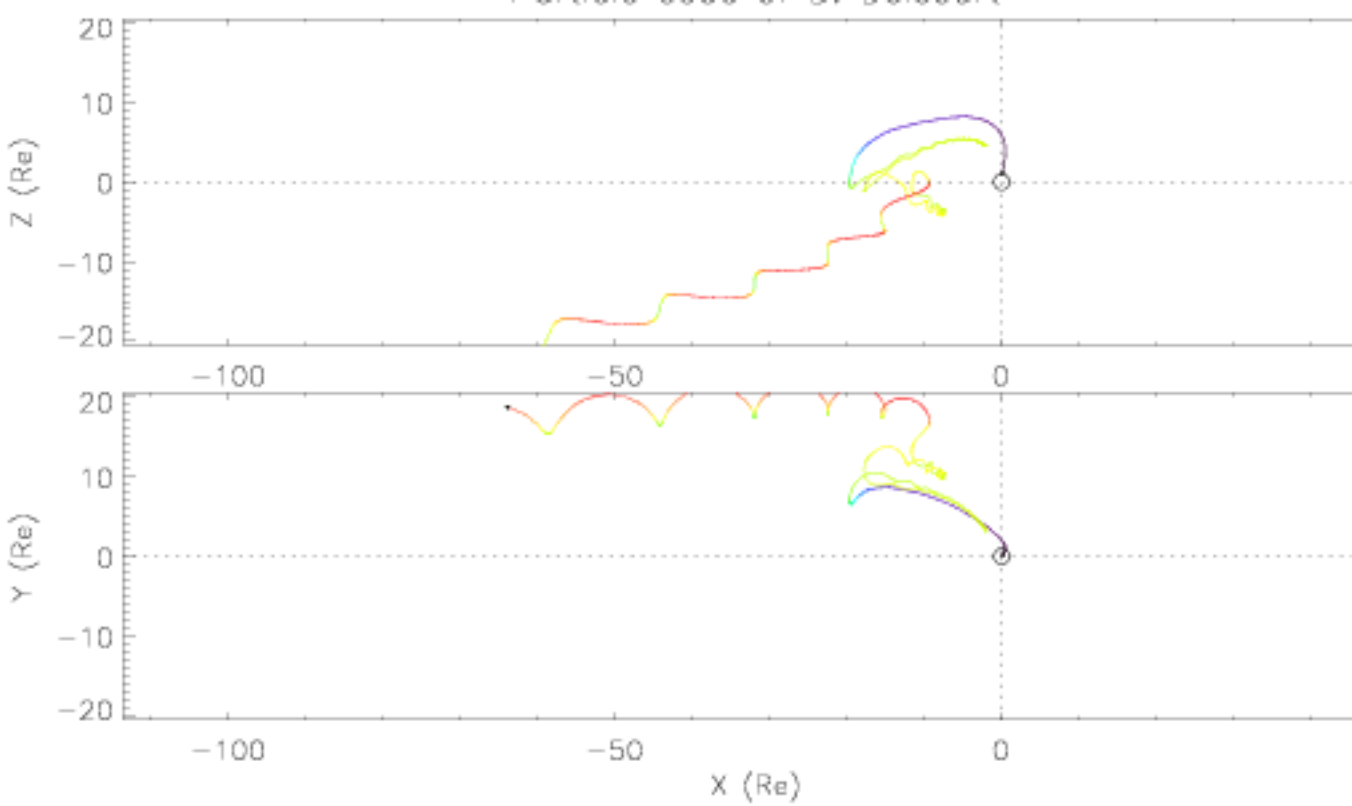

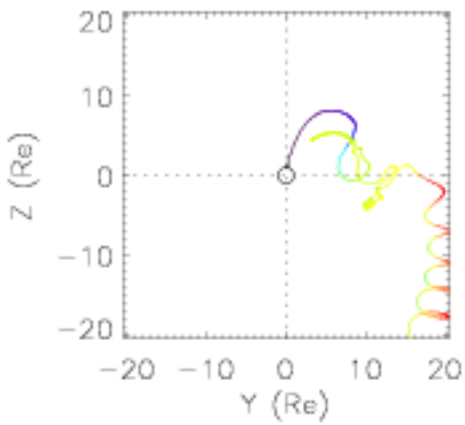

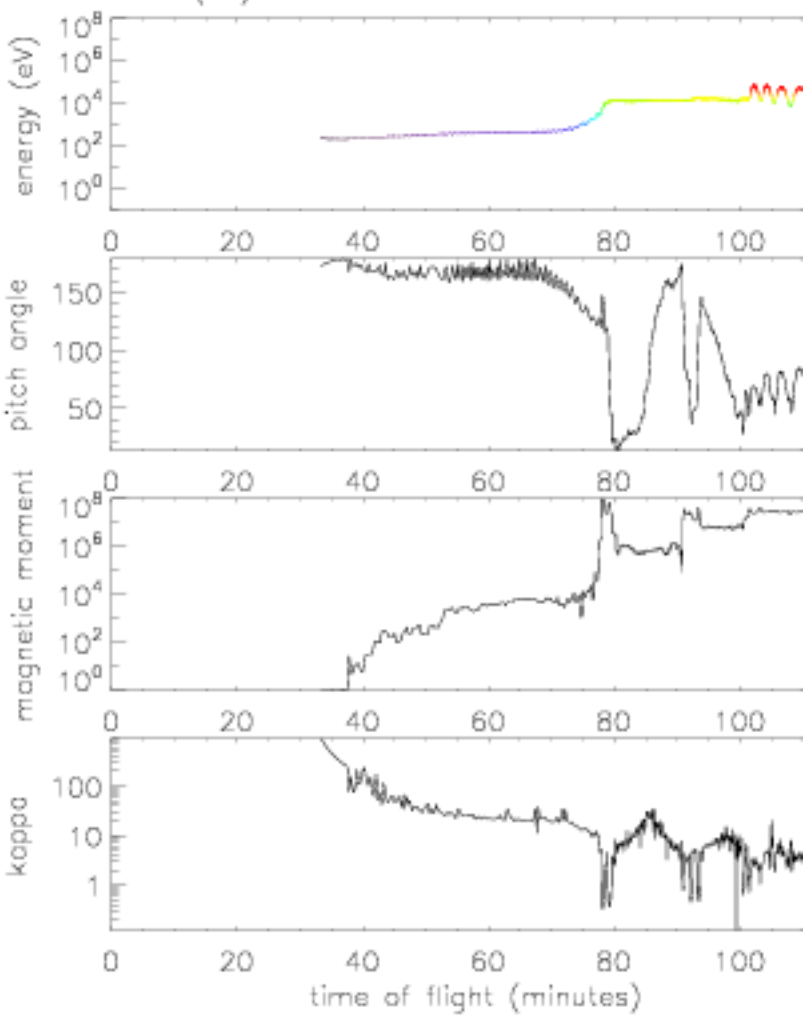

Start, Stop Parameters:

Time (minute): 33.4, 116.1
Magnetic local time: 15.620, 22.910
Magnetic latitude: 81.050,−18.120
Distance (Re): 1.16, 70.08
Energy (eV): 235.20, 46810.00
Pitch angle: 172.600, 73.970
Tilt angle (deg): 0.000

file: particle1027687.full

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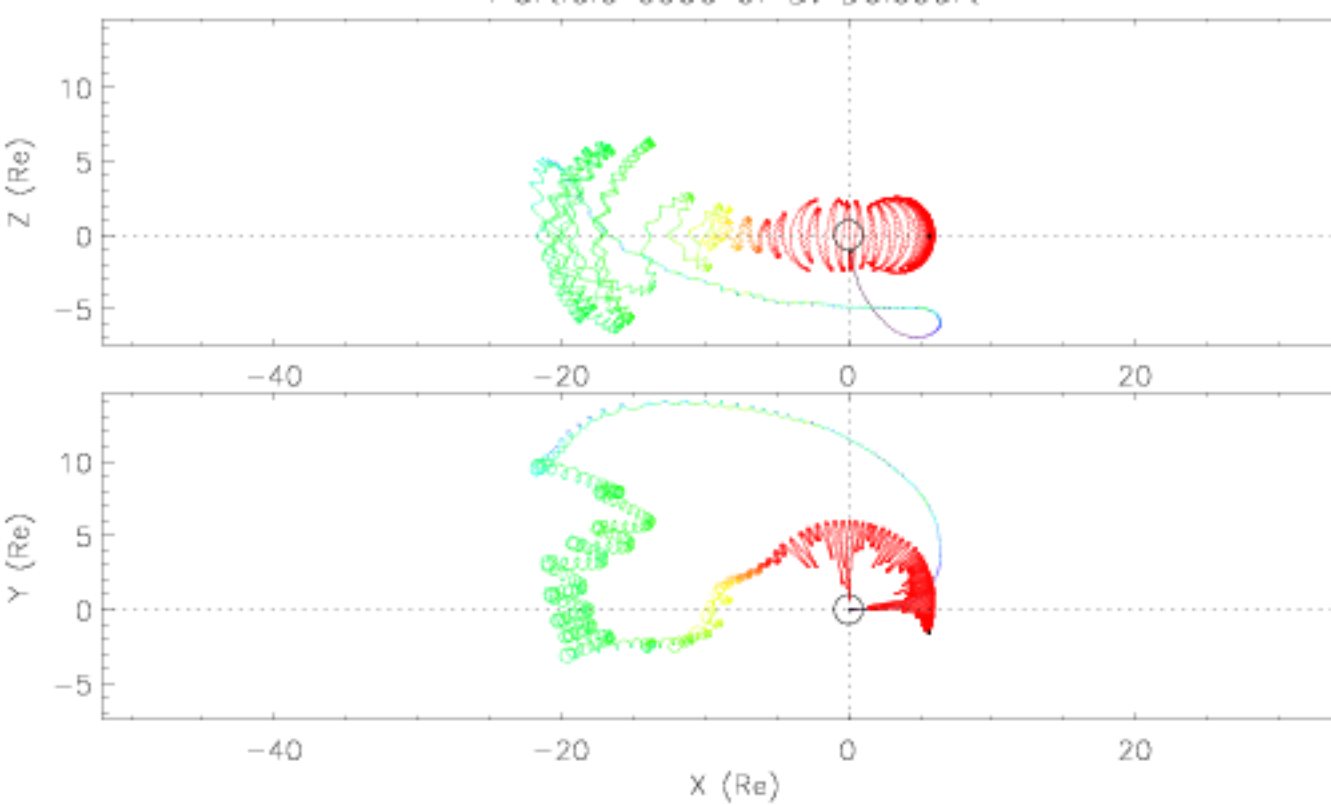

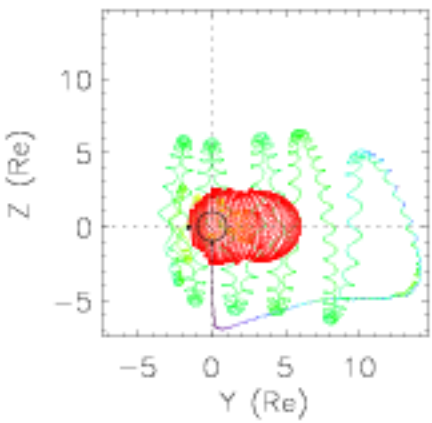

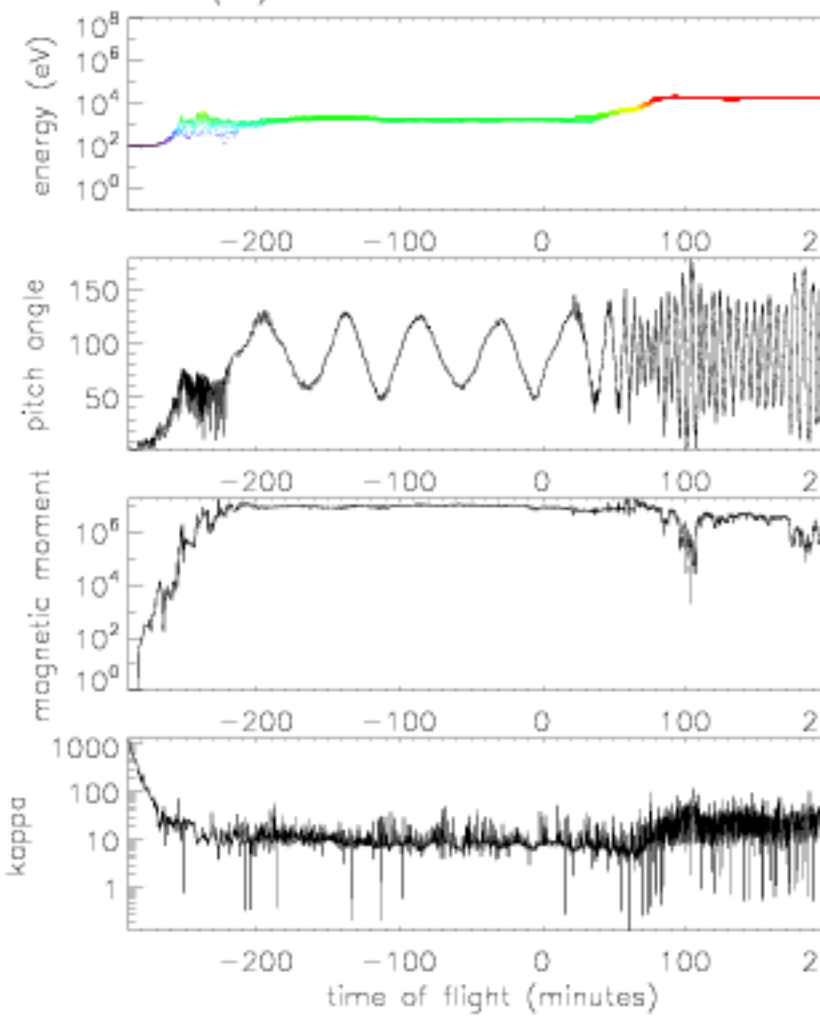

Start, Stop Parameters:

Time (minute): −289.7, 220.8
Magnetic local time: 11.950, 10.960
Magnetic latitude: −83.250, −0.672
Distance (Re): 1.16, 5.85
Energy (eV): 105.20, 20570.00
Pitch angle: 4.592, 110.800
Tilt angle (deg): 0.000

file: particle1027816.full

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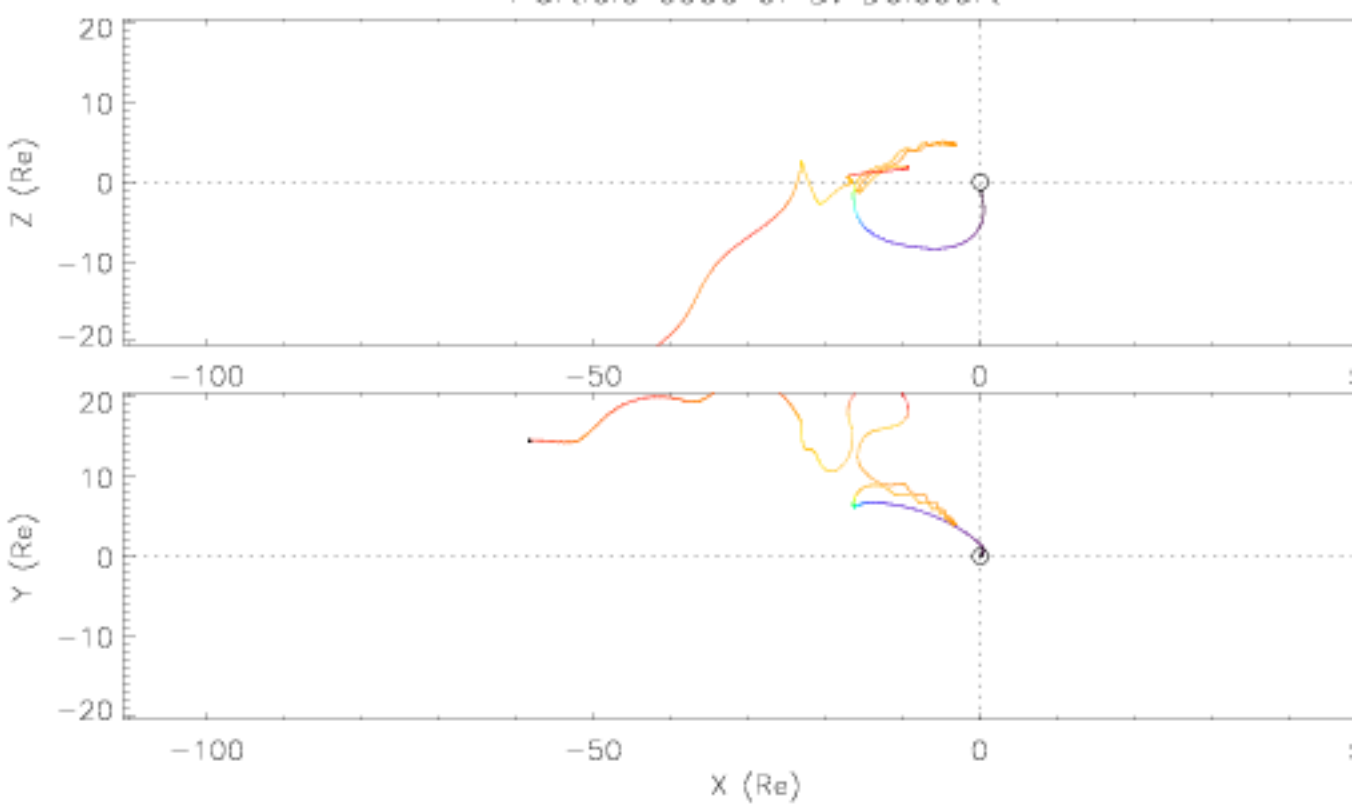

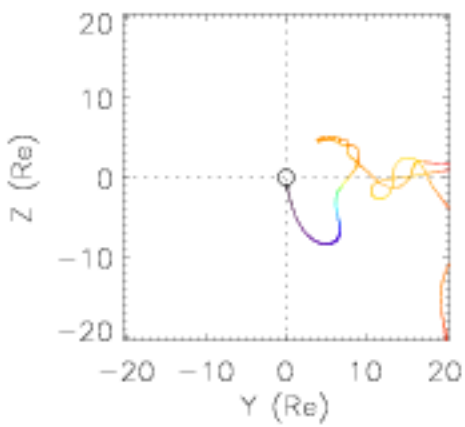

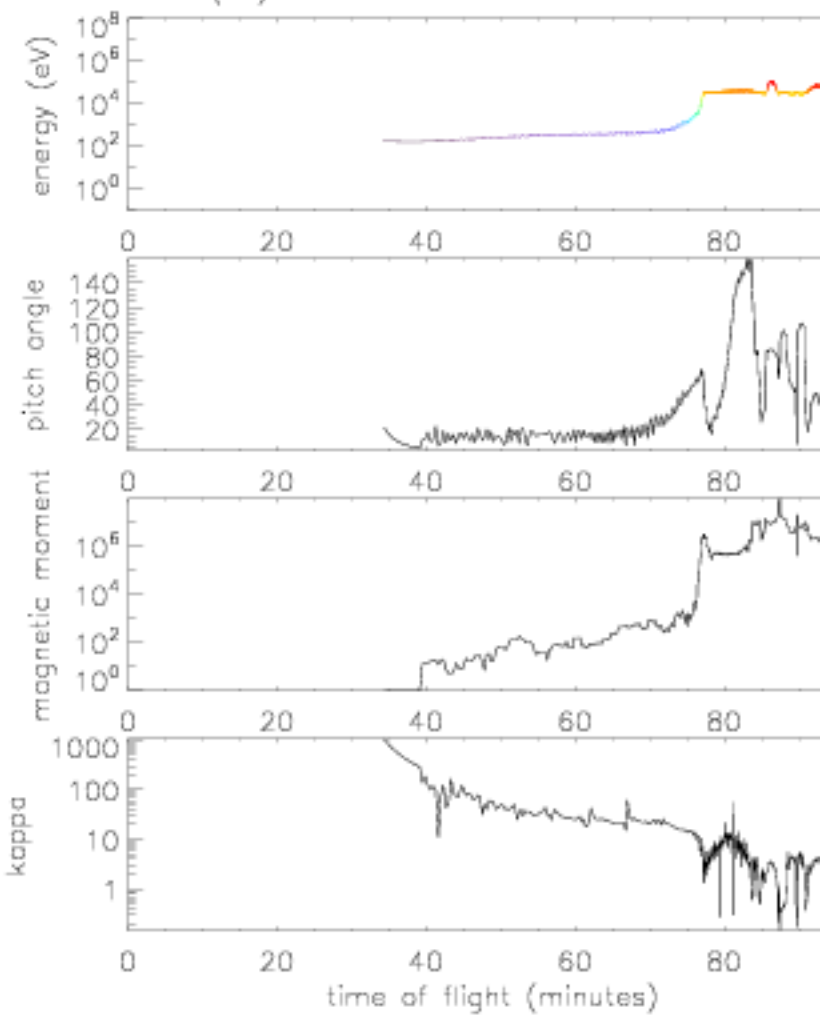

Start, Stop Parameters:

Time (minute): 34.3, 97.9
Magnetic local time: 15.390, 23.070
Magnetic latitude: −81.940, −30.790
Distance (Re): 1.16, 70.00
Energy (eV): 177.80, 71530.00
Pitch angle: 21.510, 36.990
Tilt angle (deg): 0.000

file: particle1030622.full

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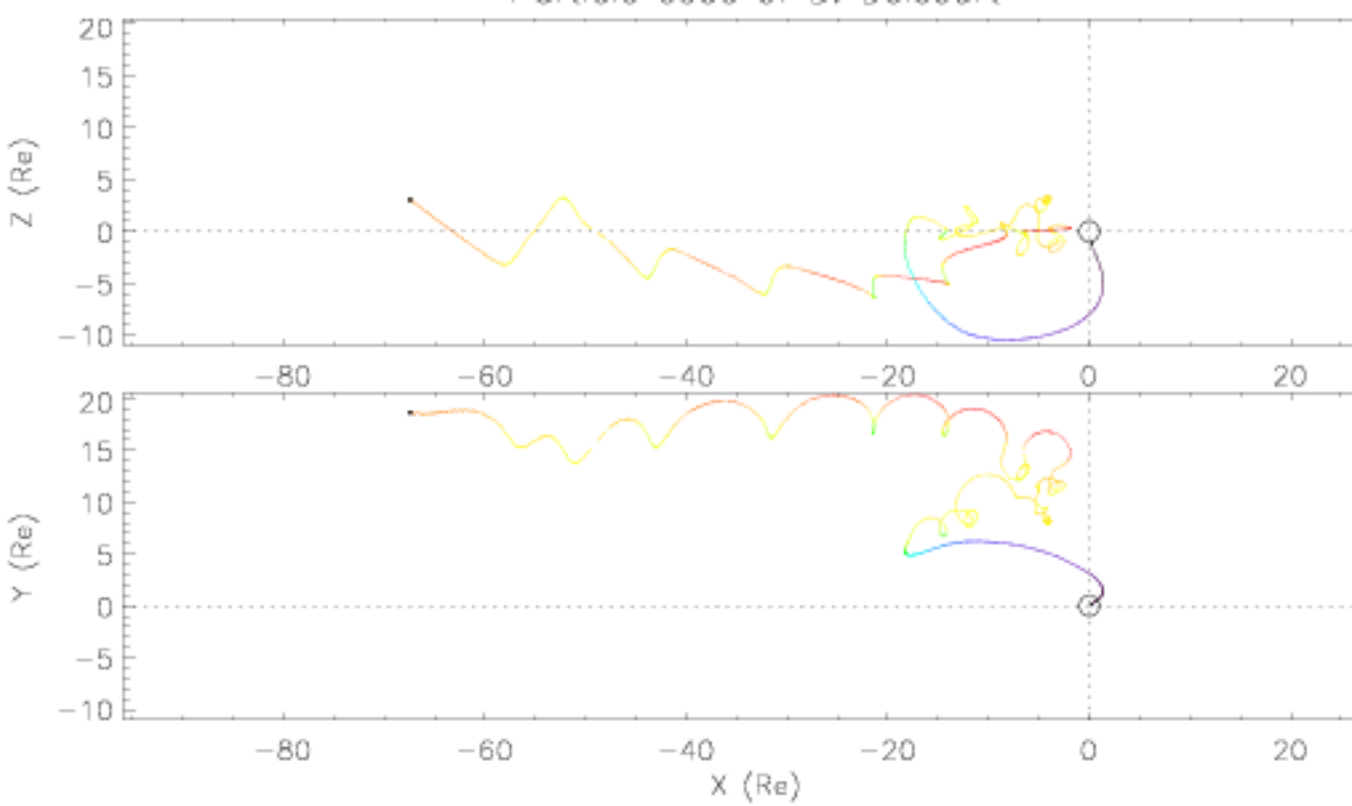

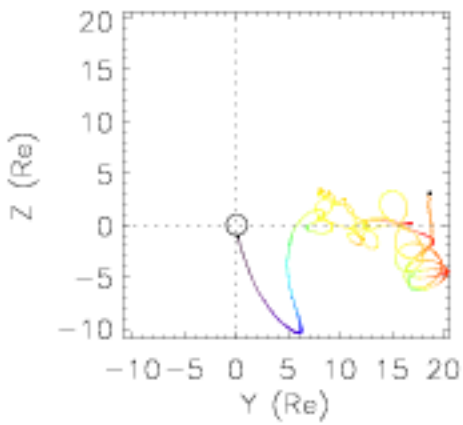

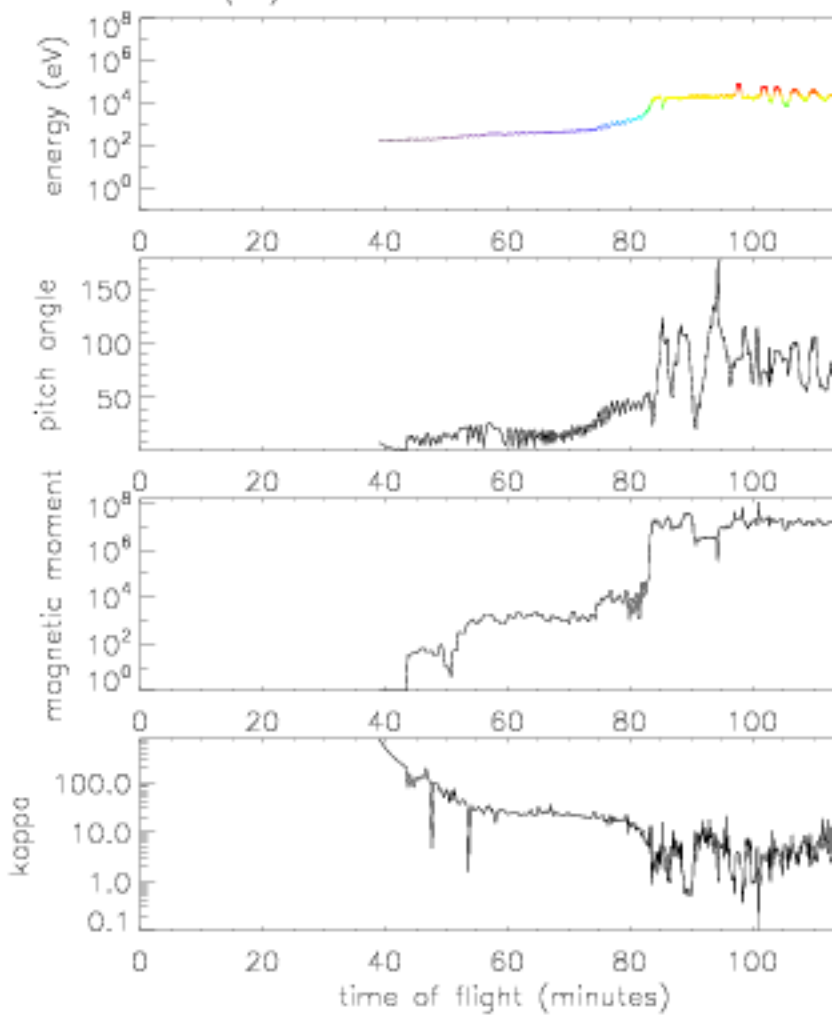

Start, Stop Parameters:

Time (minute): 39.0, 119.2
Magnetic local time: 14.270, 22.970
Magnetic latitude: −77.180, 2.490
Distance (Re): 1.16, 70.01
Energy (eV): 211.60, 33880.00
Pitch angle: 9.090, 170.600
Tilt angle (deg): 0.000

file: particle1035312.full

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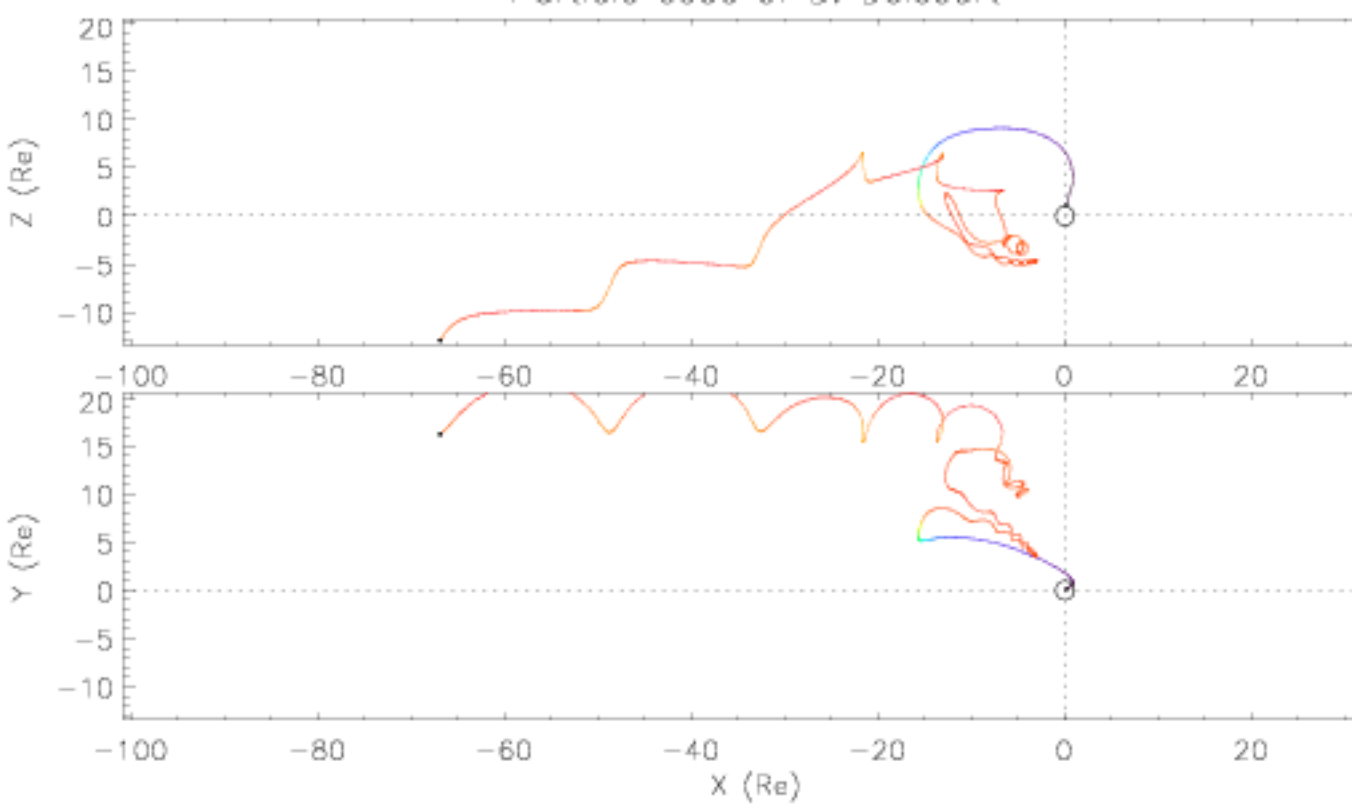

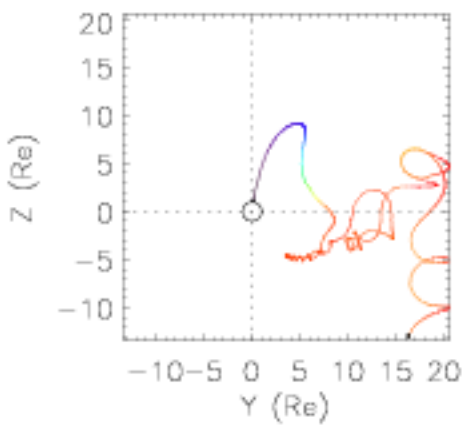

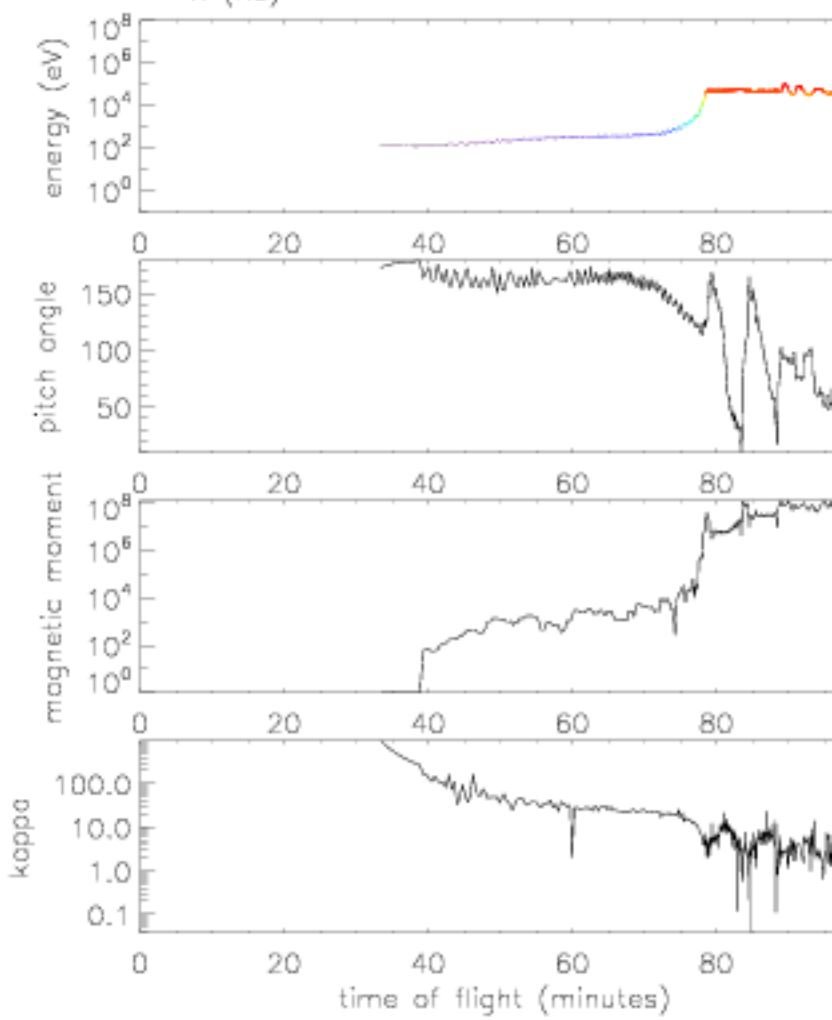

Start, Stop Parameters:

Time (minute): 33.4, 101.3
Magnetic local time: 14.370, 23.090
Magnetic latitude: 79.750,−10.640
Distance (Re): 1.16, 70.01
Energy (eV): 137.60, 42720.00
Pitch angle: 172.900, 46.470
Tilt angle (deg): 0.000

file: particle1036731.full

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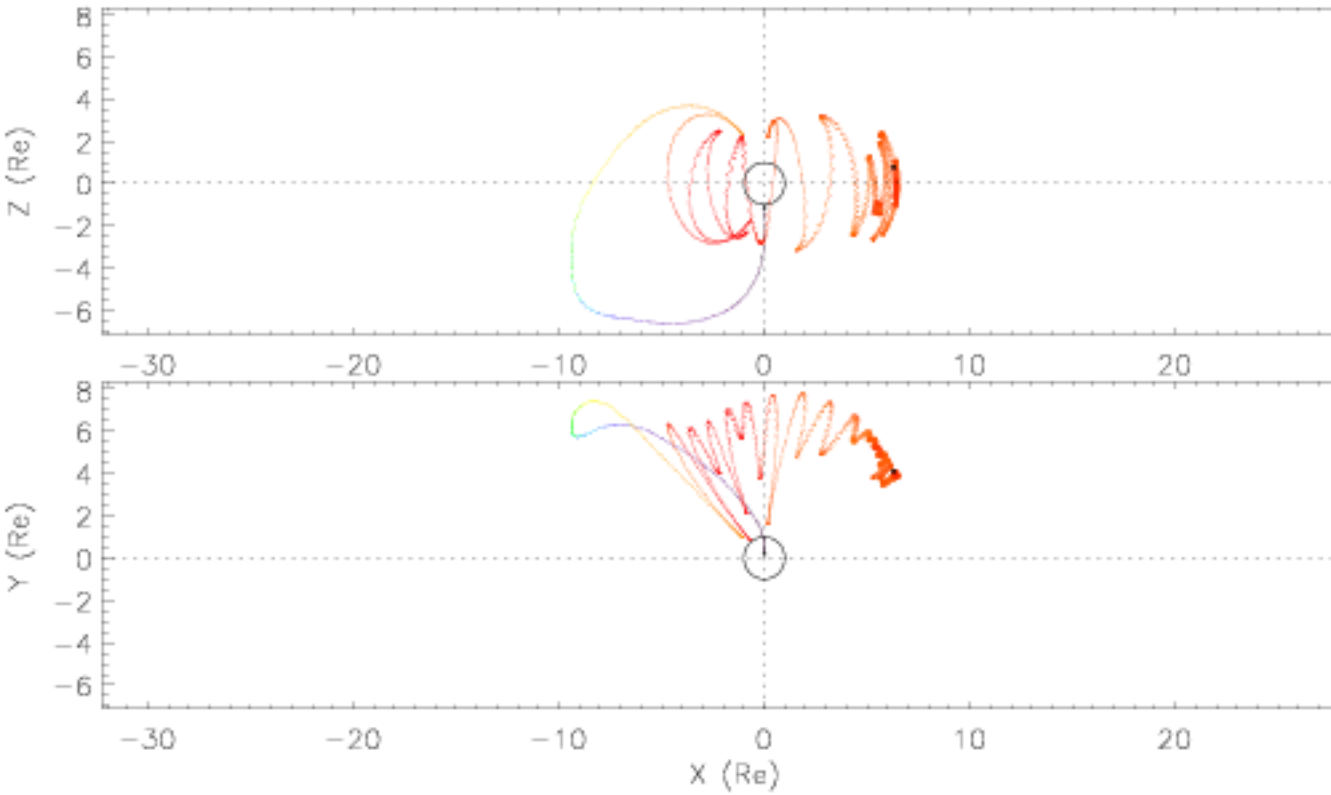

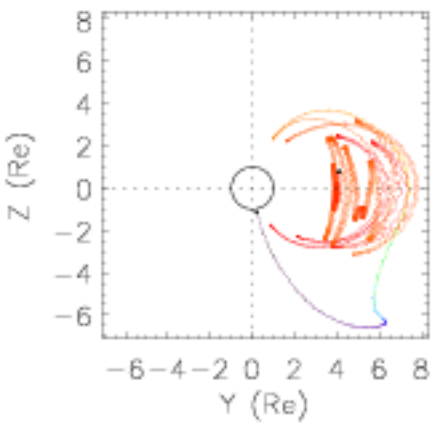

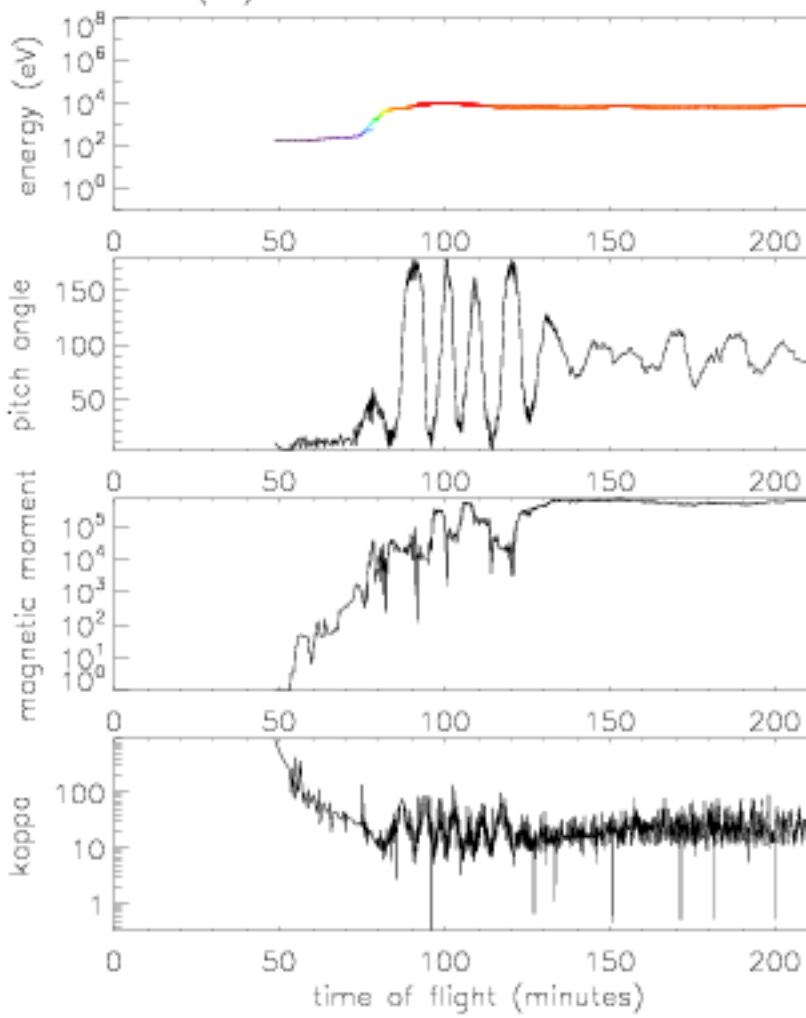

Start, Stop Parameters:

Time (minute): 48.5, 220.8
Magnetic local time: 18.010, 14.200
Magnetic latitude: −80.210, 5.869
Distance (Re): 1.16, 7.55
Energy (eV): 185.70, 7974.00
Pitch angle: 9.752, 82.870
Tilt angle (deg): 0.000

file: particle1039220.full

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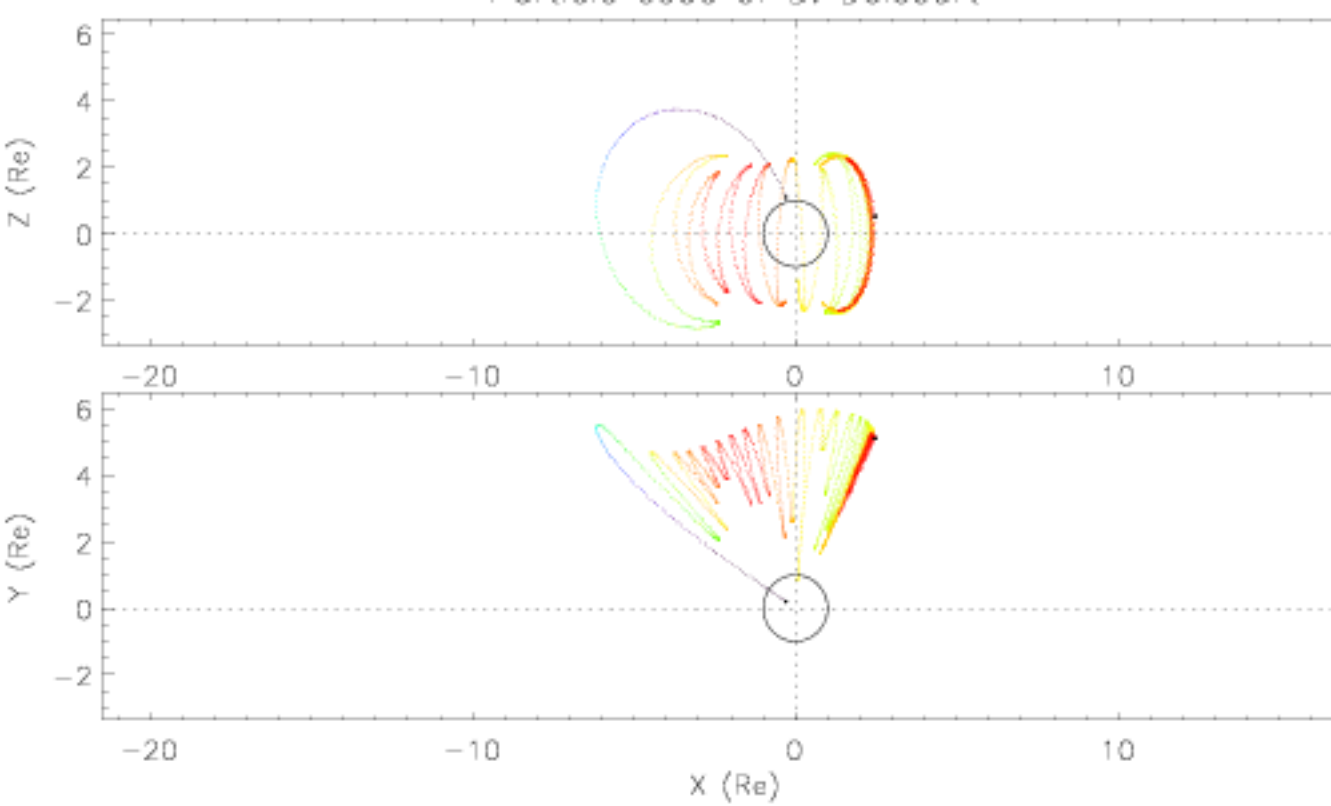

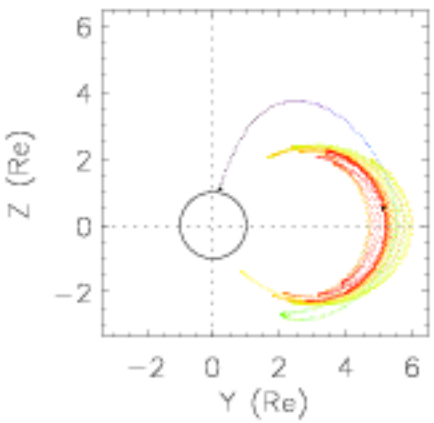

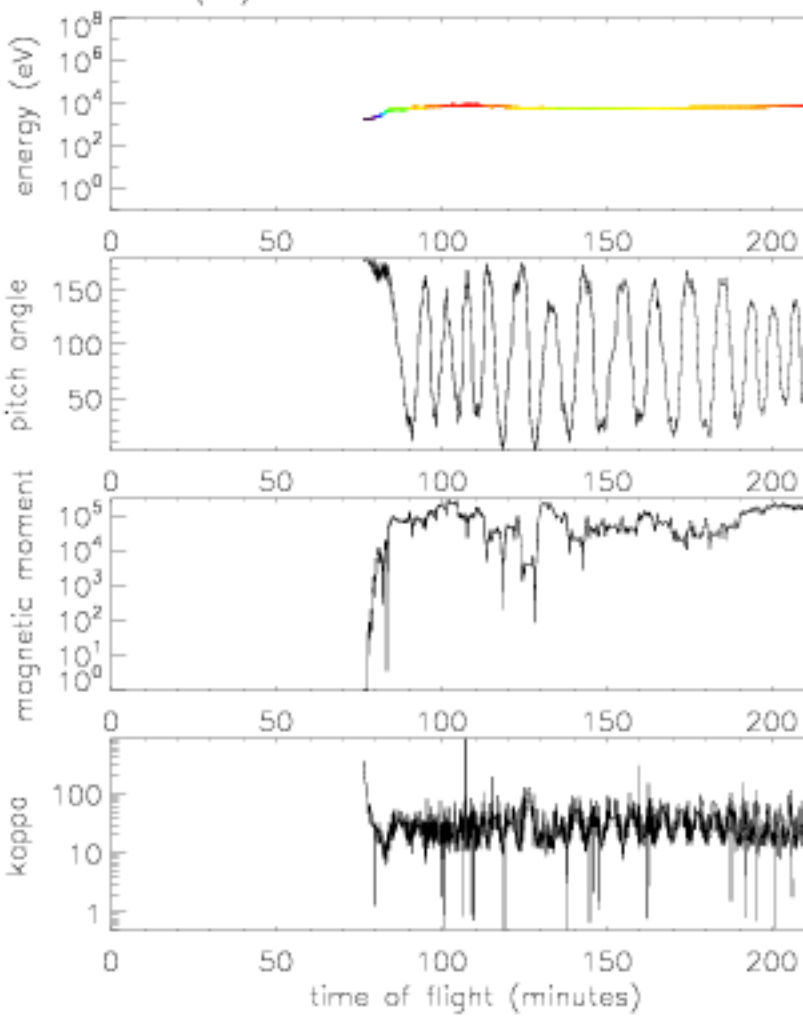

Start, Stop Parameters:

Time (minute): 76.2, 220.8
Magnetic local time: 21.700, 16.280
Magnetic latitude: 72.060, 5.252
Distance (Re): 1.16, 5.69
Energy (eV): 2050.00, 8819.00
Pitch angle: 177.100, 131.800
Tilt angle (deg): 0.000

file: particle1039719.full

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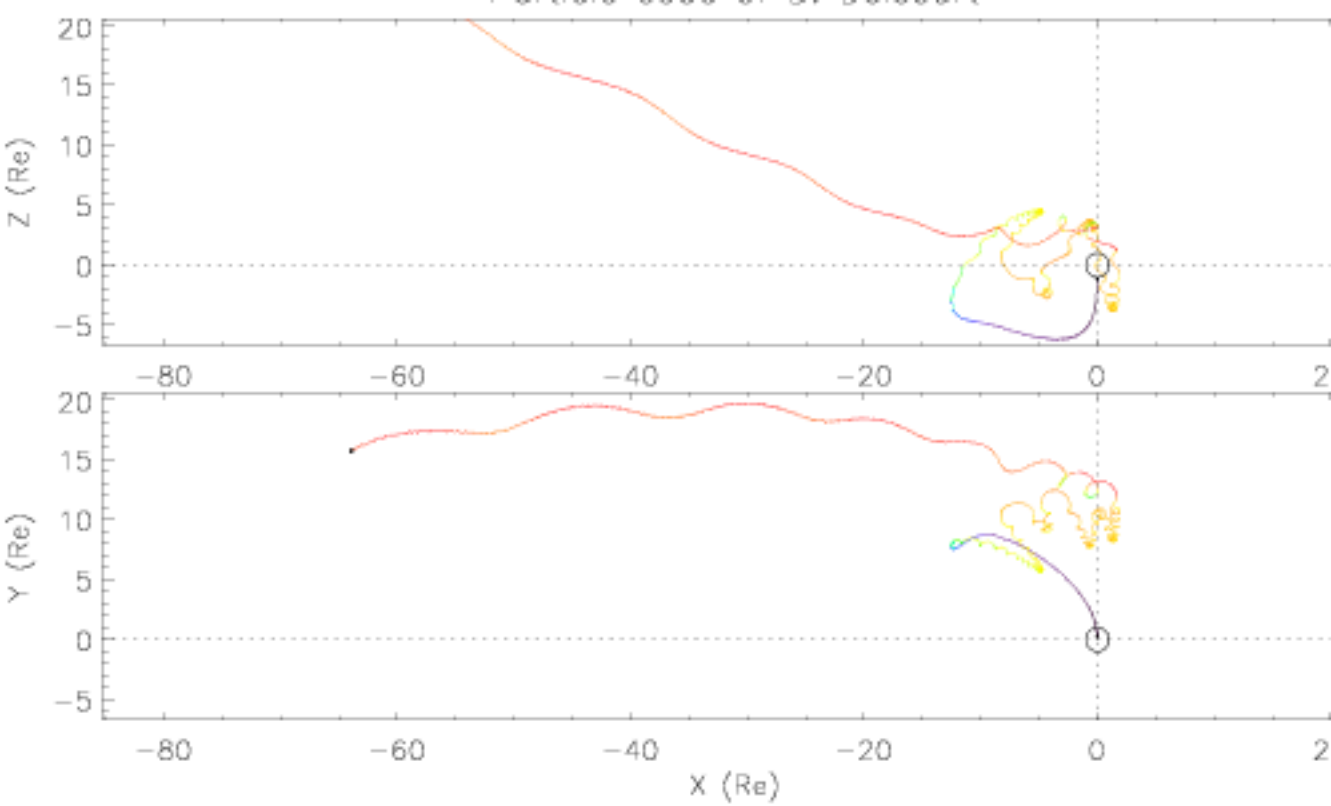

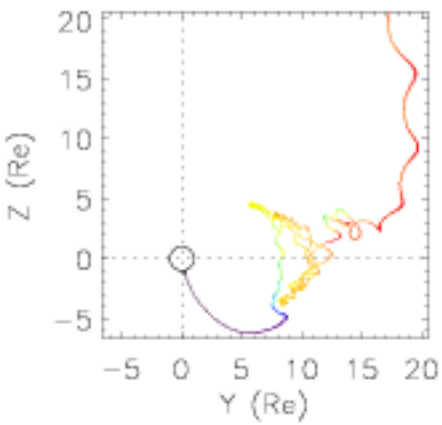

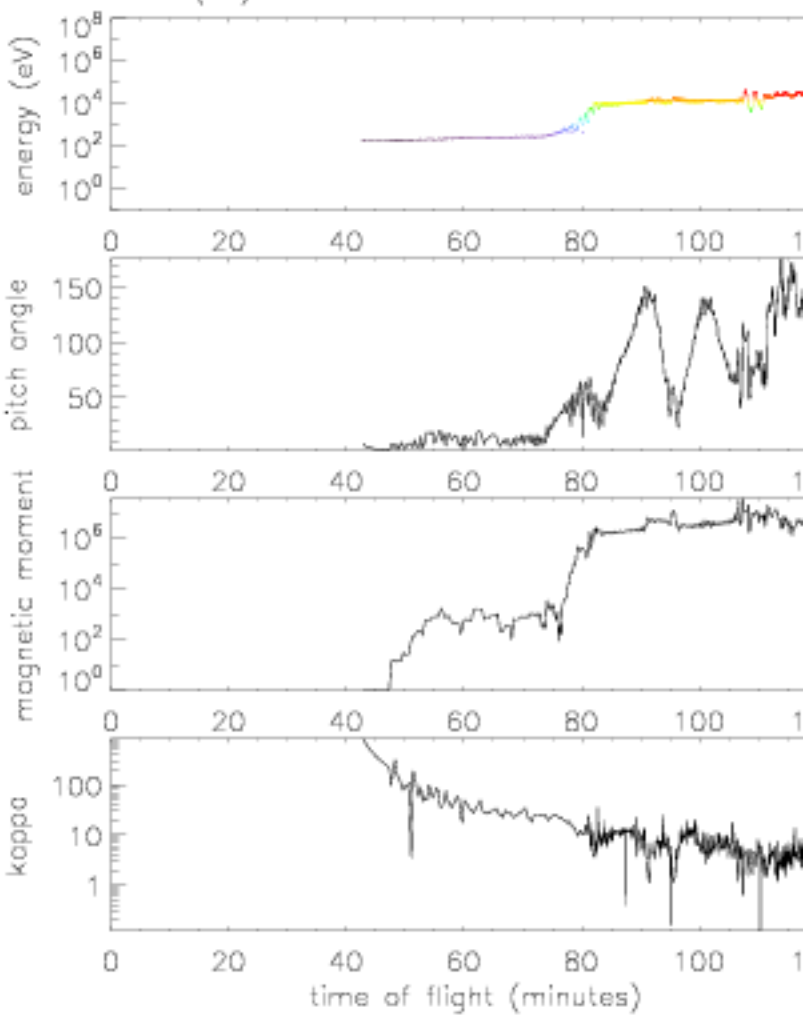

Start, Stop Parameters:

Time (minute): 42.8, 124.2
Magnetic local time: 18.360, 23.080
Magnetic latitude: −78.890, 19.880
Distance (Re): 1.16, 70.01
Energy (eV): 202.50, 24230.00
Pitch angle: 7.274, 157.300
Tilt angle (deg): 0.000

file: particle1051212.full

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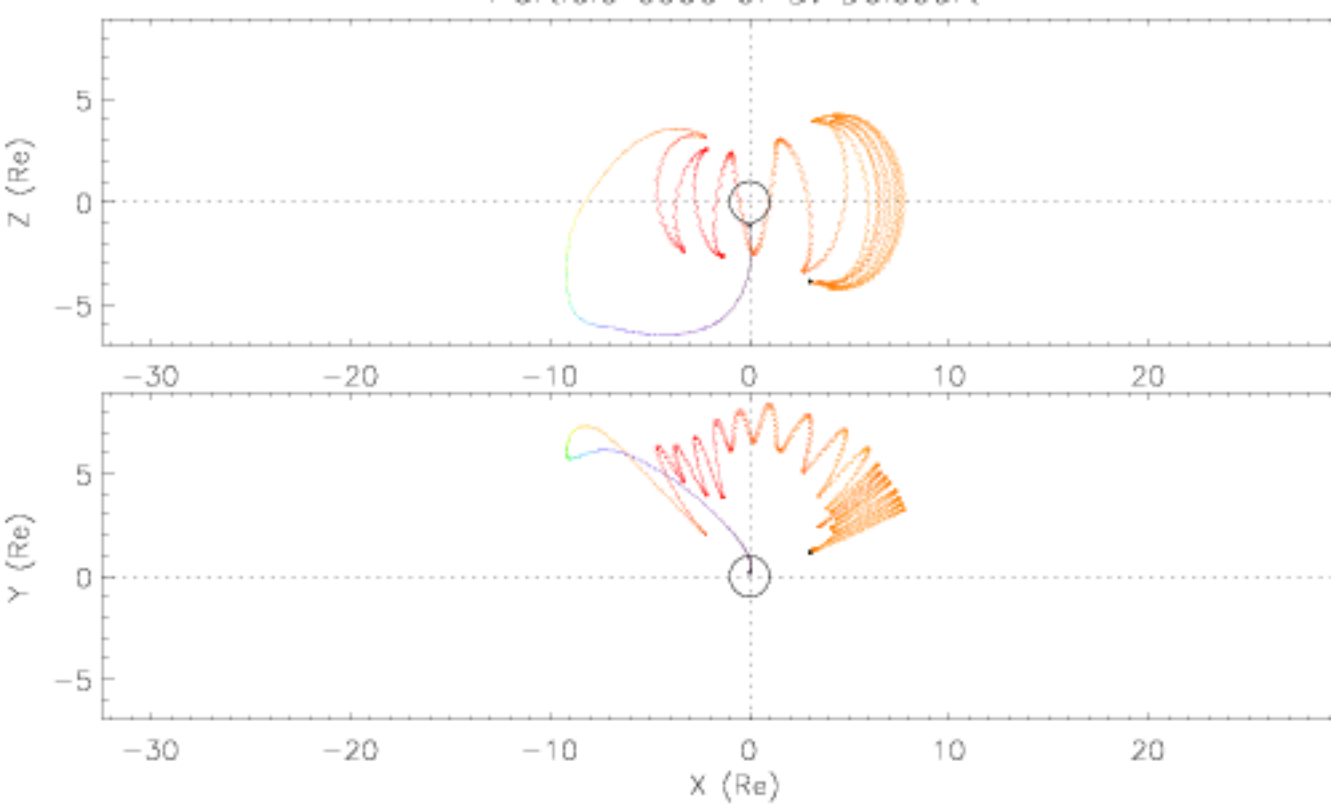

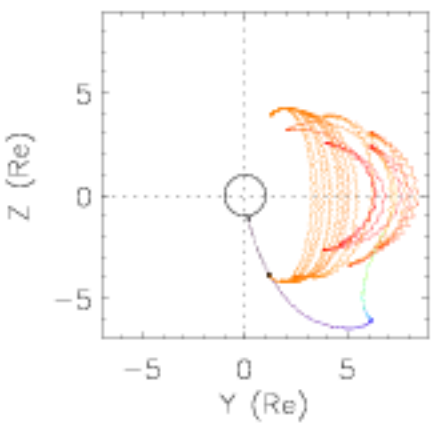

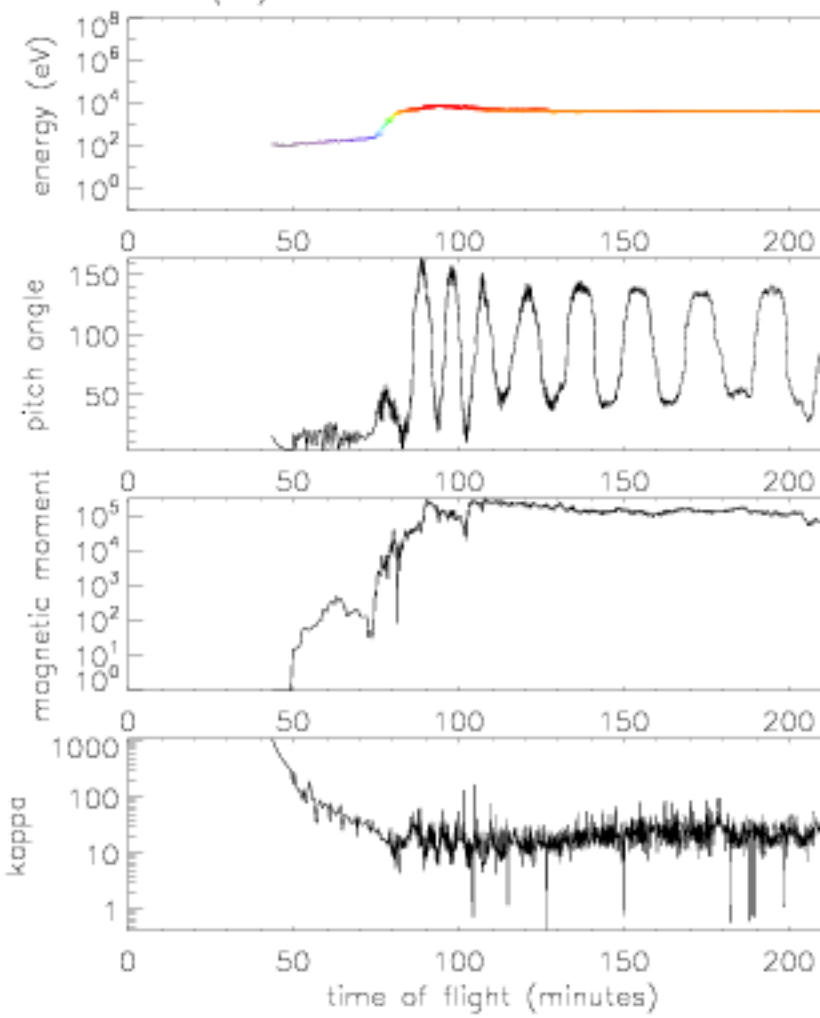

Start, Stop Parameters:

Time (minute): 43.5, 220.8
Magnetic local time: 17.840, 13.400
Magnetic latitude: −81.450, −50.000
Distance (Re): 1.16, 5.04
Energy (eV): 125.30, 4486.00
Pitch angle: 15.660, 94.860
Tilt angle (deg): 0.000

file: particle1058506.full

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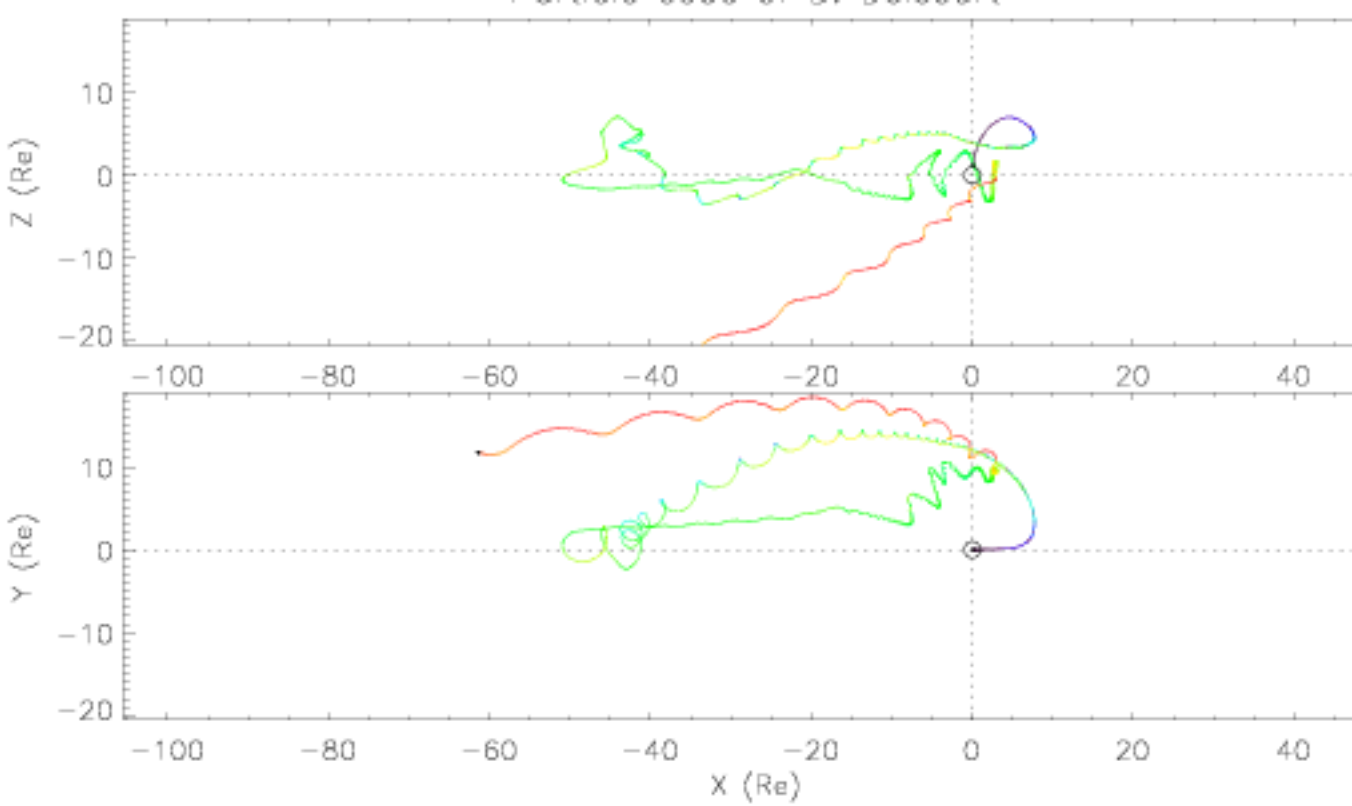

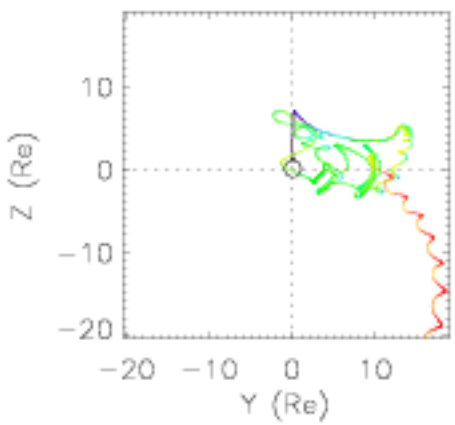

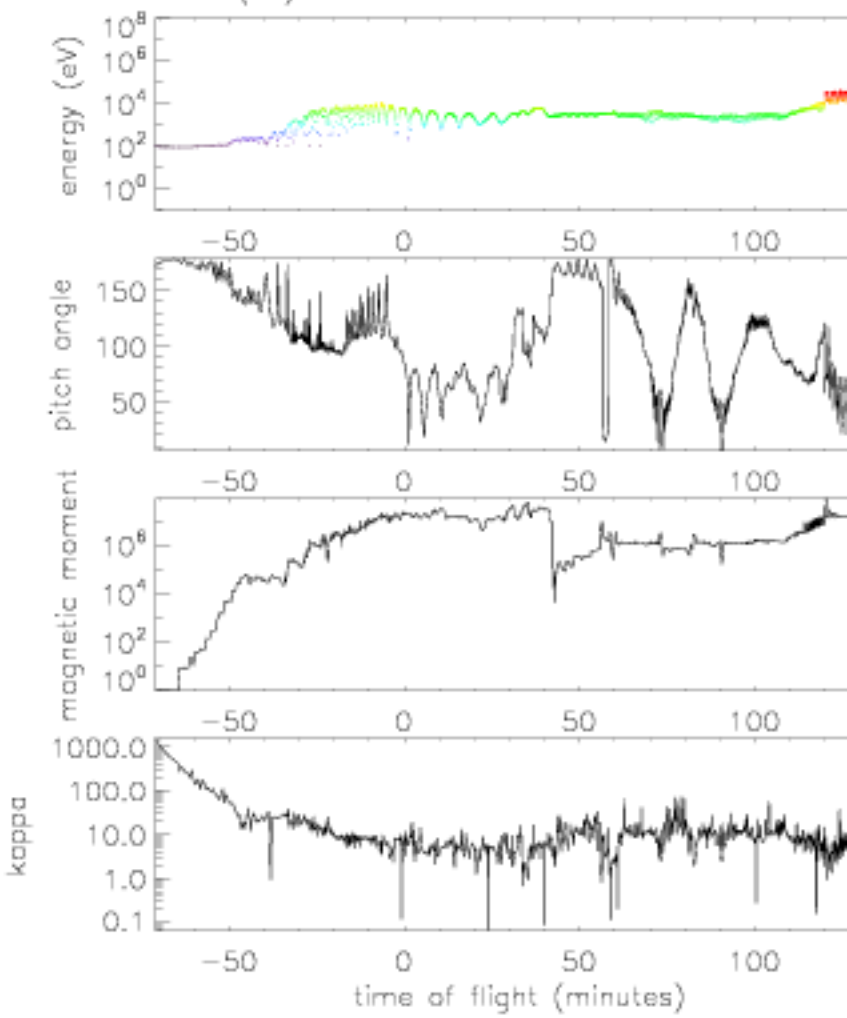

Start, Stop Parameters:

Time (minute): −71.1, 137.2
Magnetic local time: 11.780, 23.280
Magnetic latitude: 84.520,−26.800
Distance (Re): 1.16, 70.01
Energy (eV): 100.90, 23430.00
Pitch angle: 172.400, 39.510
Tilt angle (deg): 0.000

file: particle1064837.full

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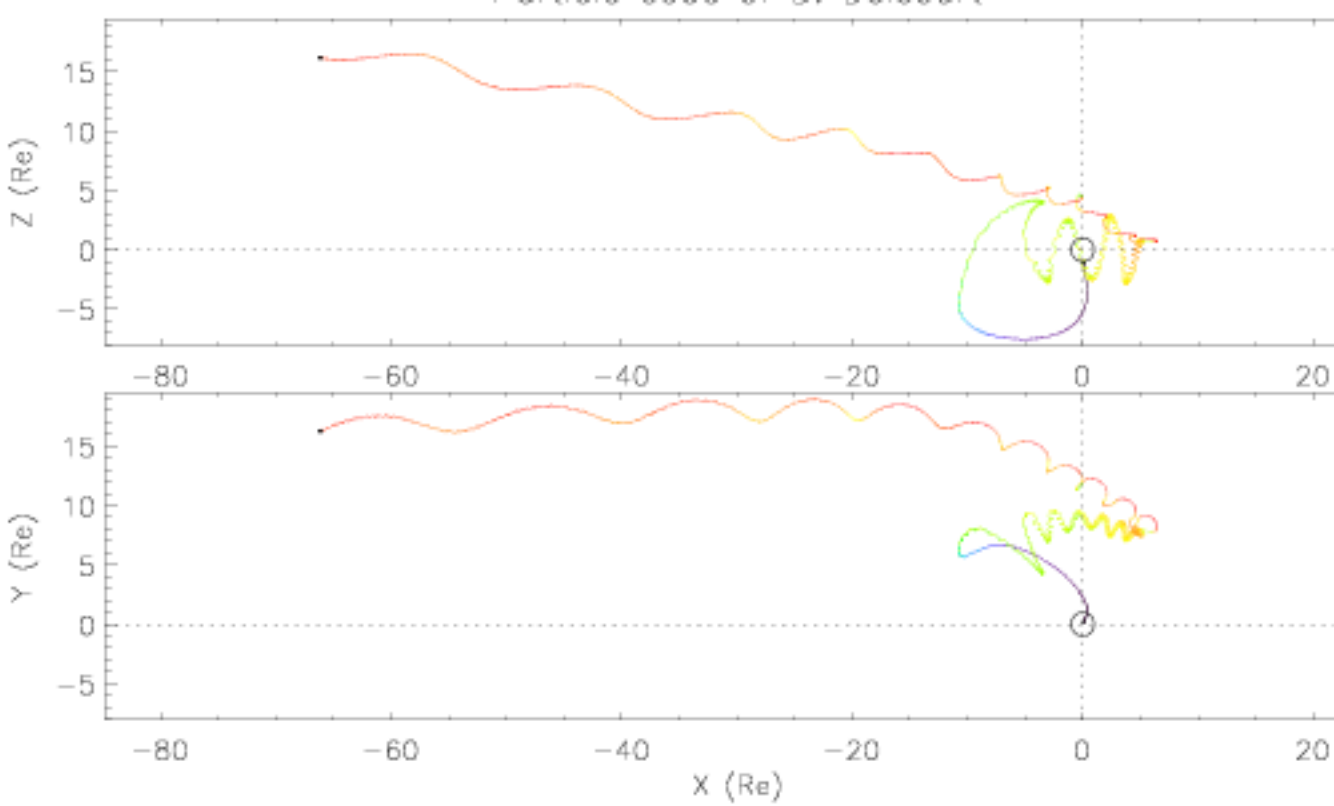

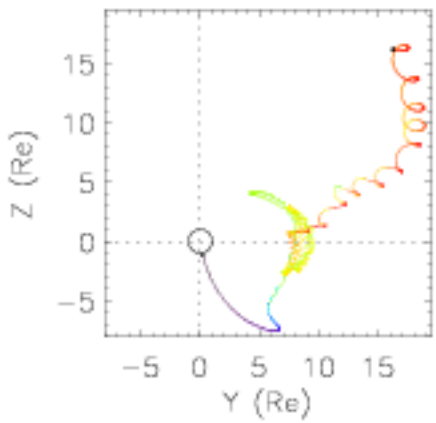

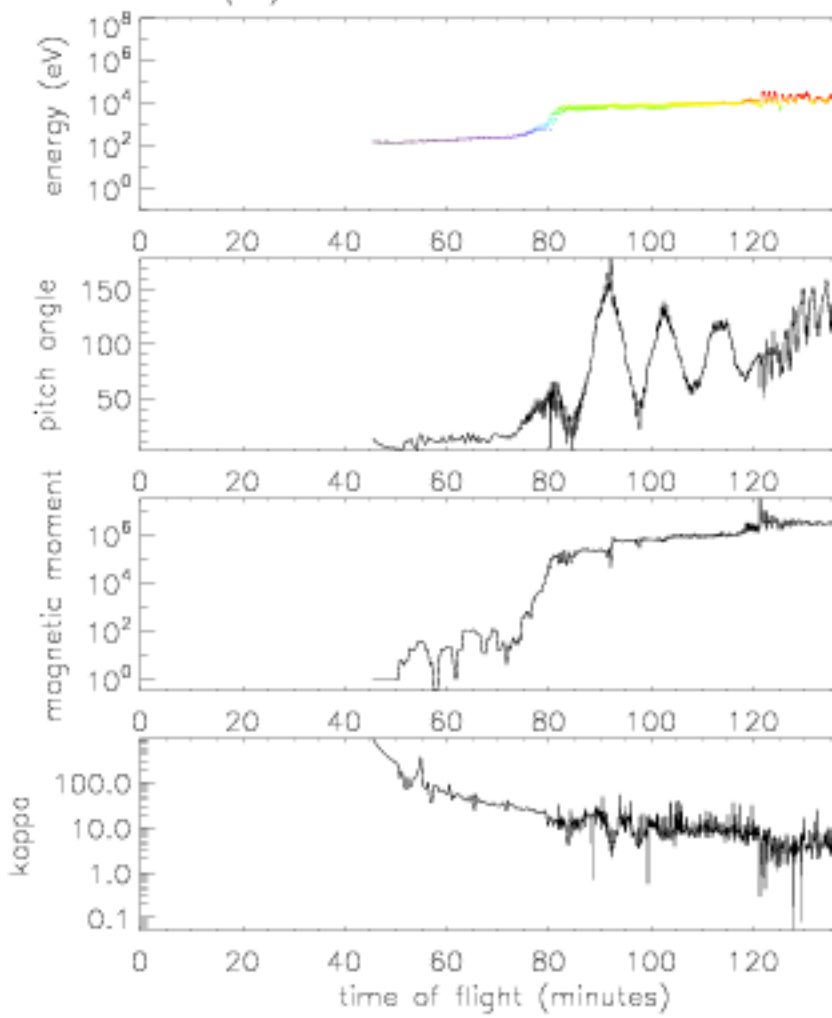

Start, Stop Parameters:

Time (minute): 45.5, 142.9
Magnetic local time: 16.400, 23.080
Magnetic latitude: −79.750, 13.350
Distance (Re): 1.16, 70.00
Energy (eV): 165.80, 22800.00
Pitch angle: 12.610, 149.700
Tilt angle (deg): 0.000

file: particle1074586.full

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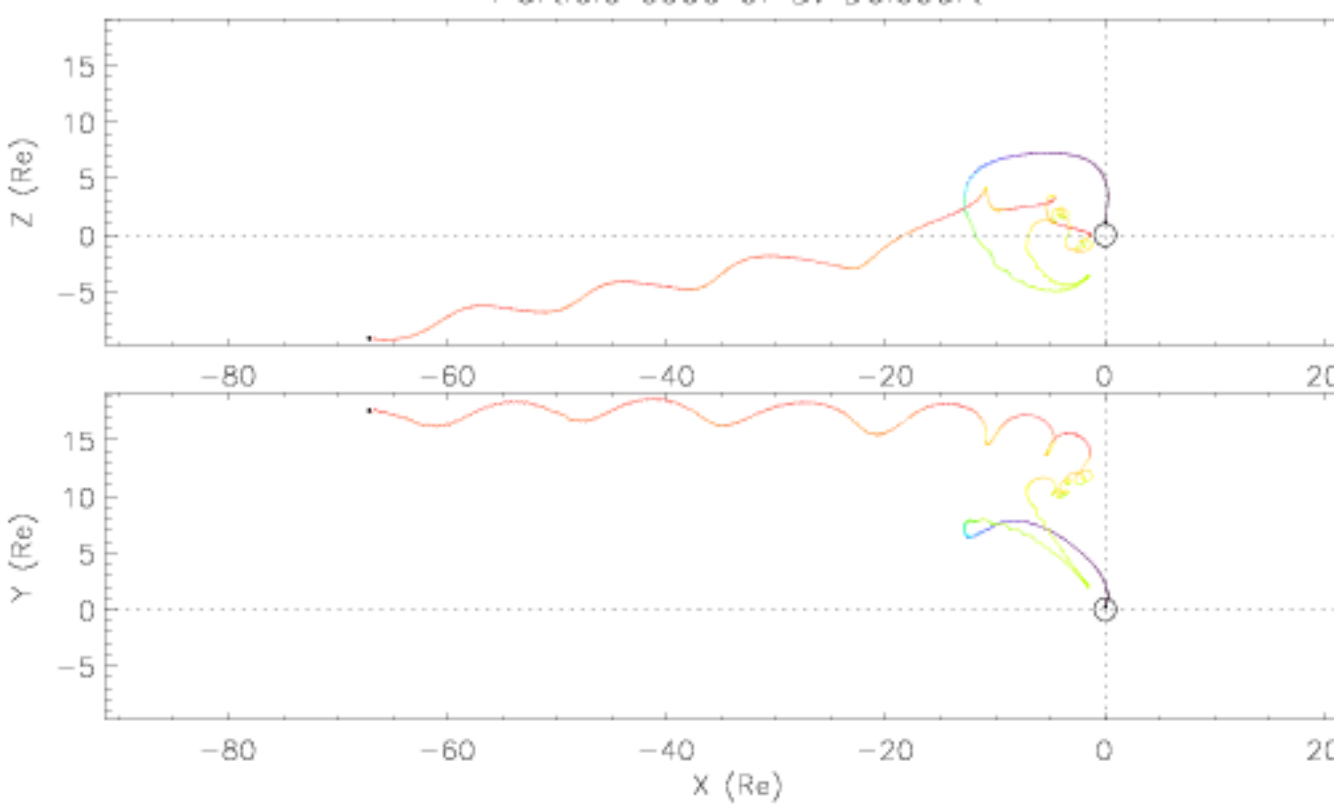

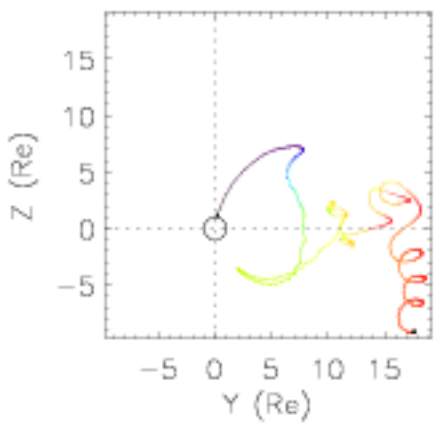

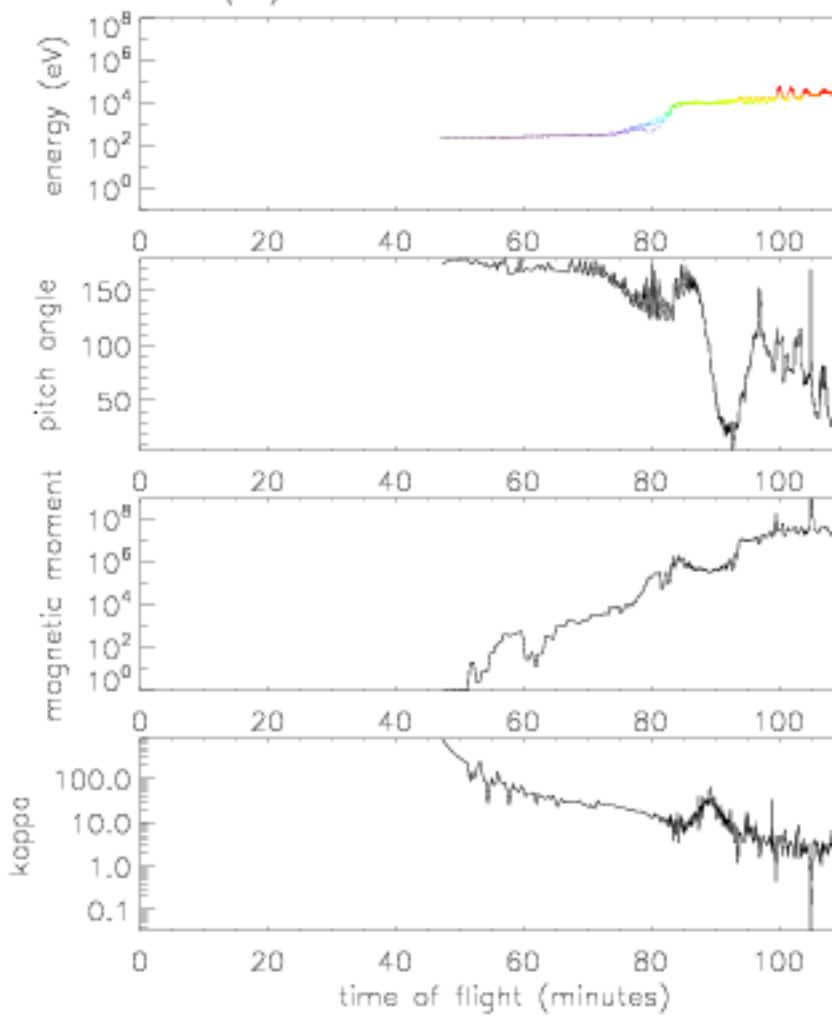

Start, Stop Parameters:

Time (minute): 47.2, 114.3
Magnetic local time: 17.020, 23.020
Magnetic latitude: 79.120, −7.513
Distance (Re): 1.16, 70.00
Energy (eV): 243.50, 39070.00
Pitch angle: 174.600, 40.930
Tilt angle (deg): 0.000

file: particle1076049.full

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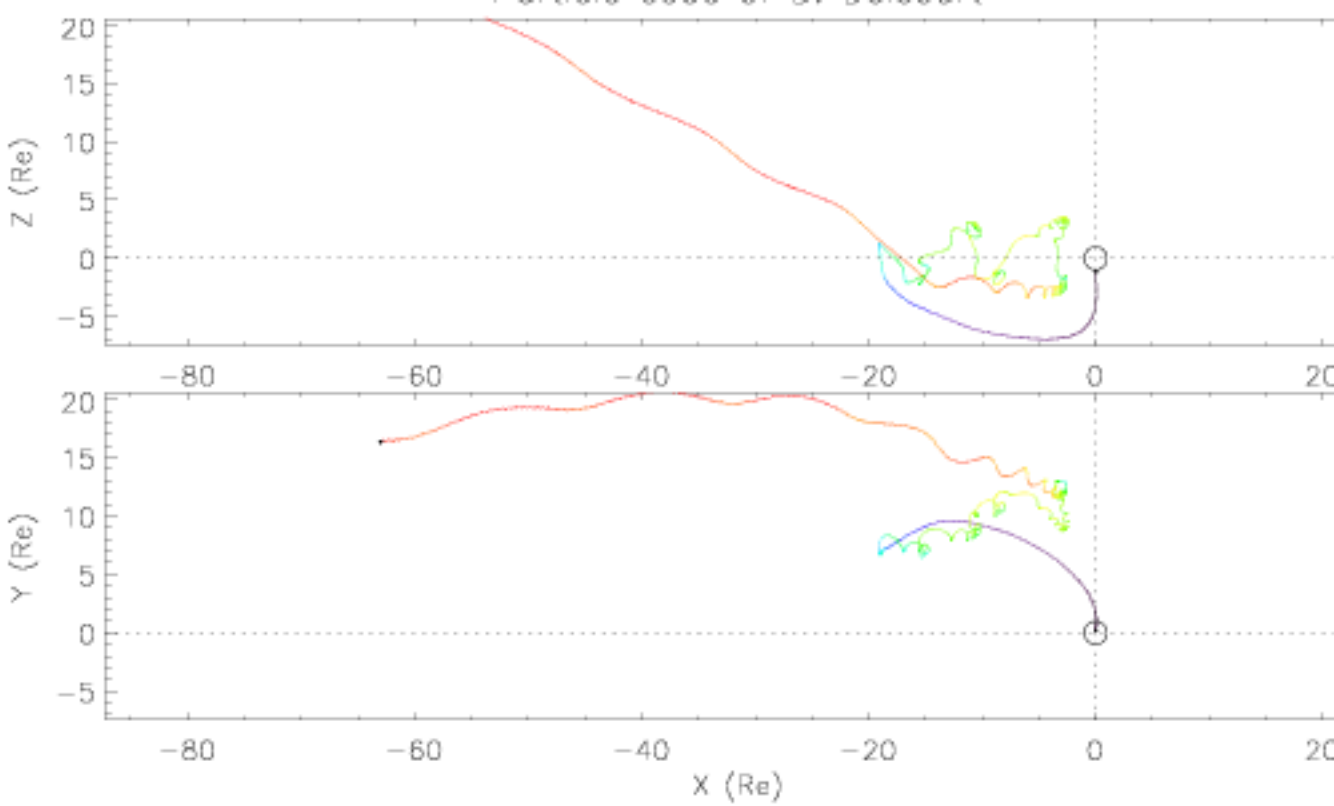

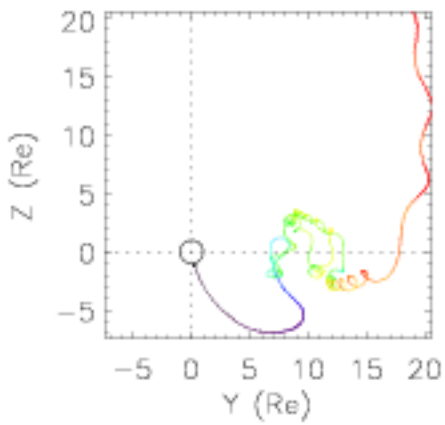

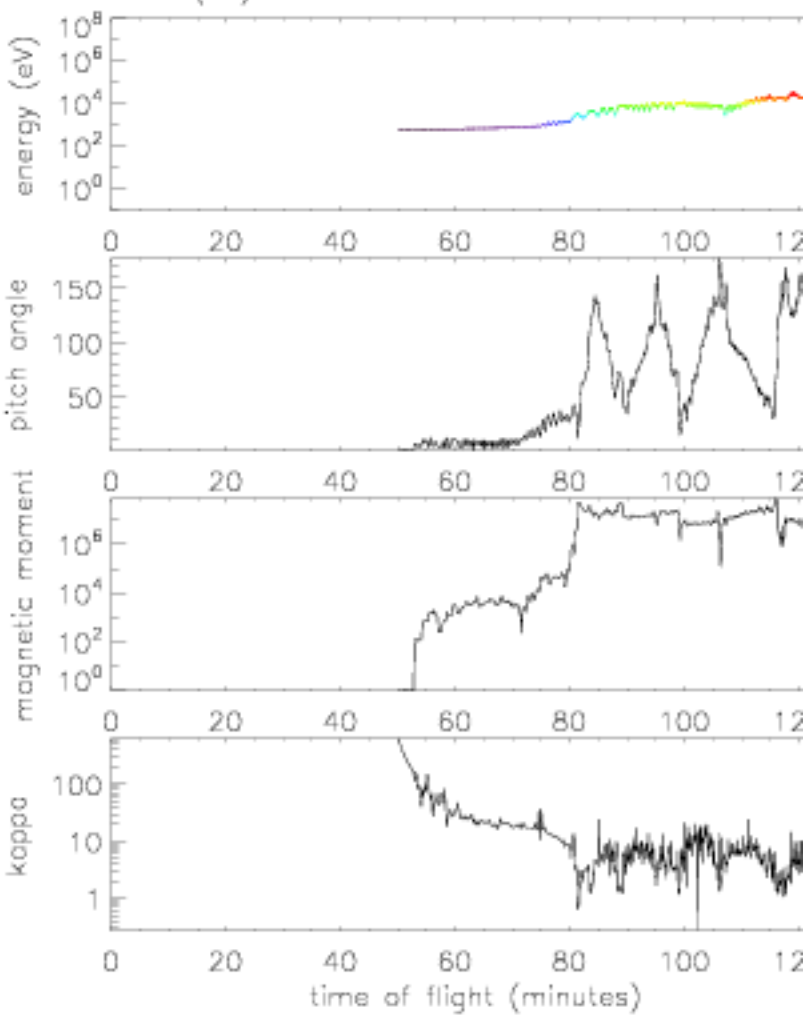

Start, Stop Parameters:

Time (minute): 50.1, 127.3
Magnetic local time: 17.660, 23.030
Magnetic latitude: −78.490, 21.610
Distance (Re): 1.16, 70.01
Energy (eV): 588.30, 25010.00
Pitch angle: 2.488, 141.300
Tilt angle (deg): 0.000

file: particle1077514.full

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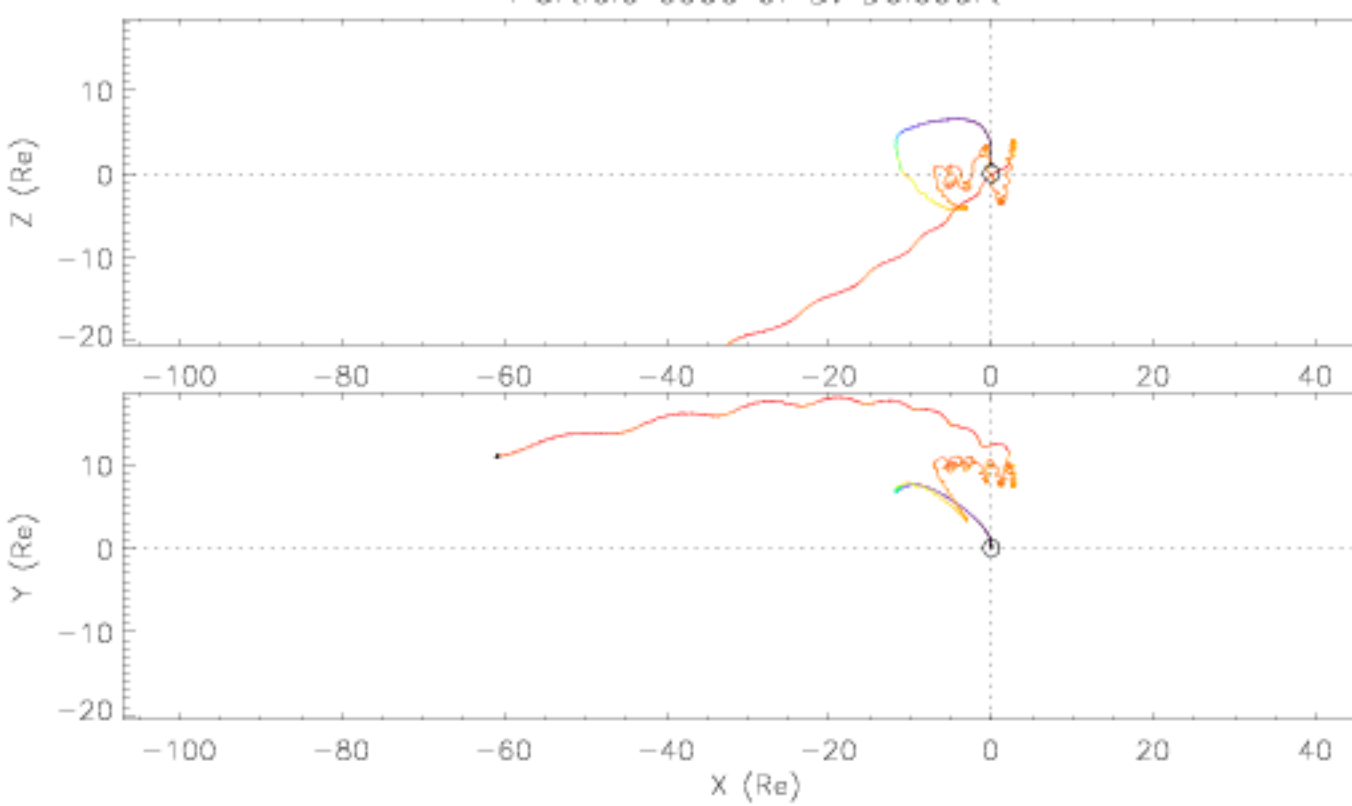

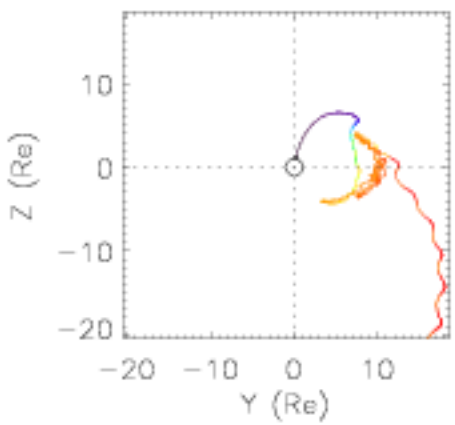

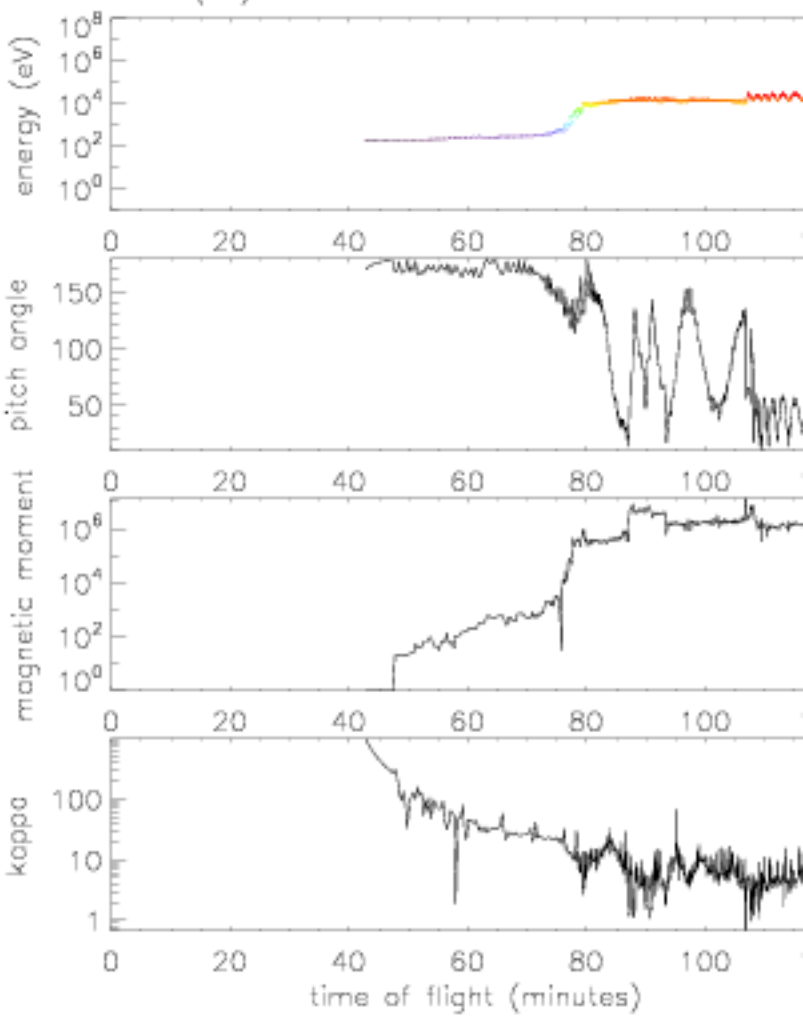

Start, Stop Parameters:

Time (minute): 42.8, 122.8
Magnetic local time: 17.970, 23.320
Magnetic latitude: 81.100,−27.950
Distance (Re): 1.16, 70.01
Energy (eV): 190.00, 19950.00
Pitch angle: 169.300, 27.950
Tilt angle (deg): 0.000

file: particle1082789.full

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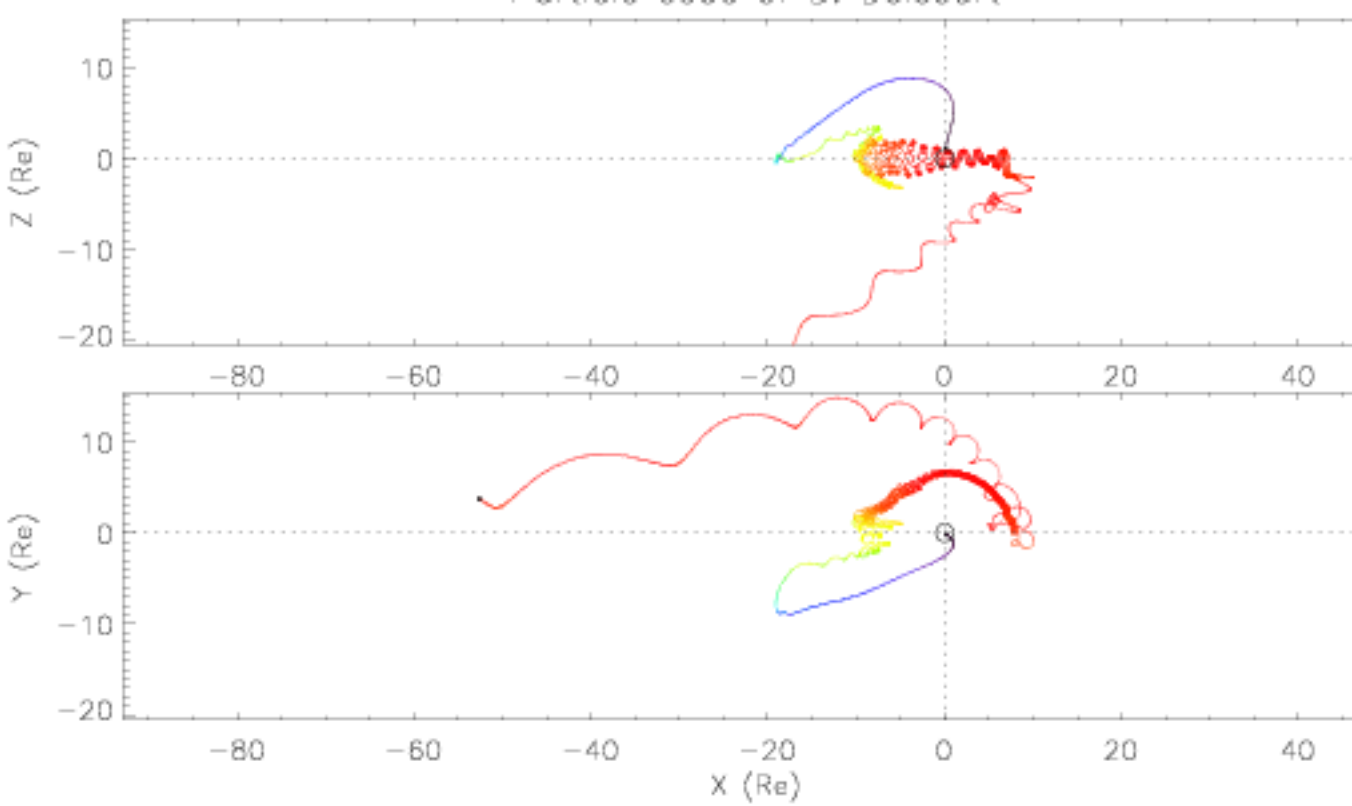

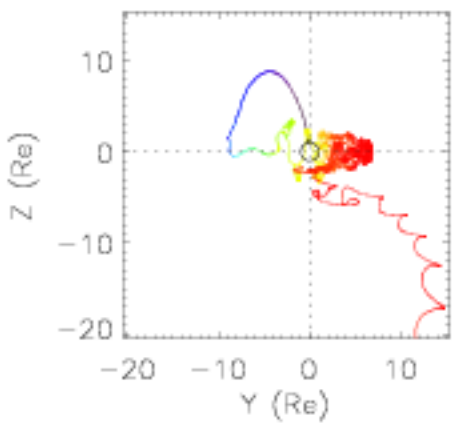

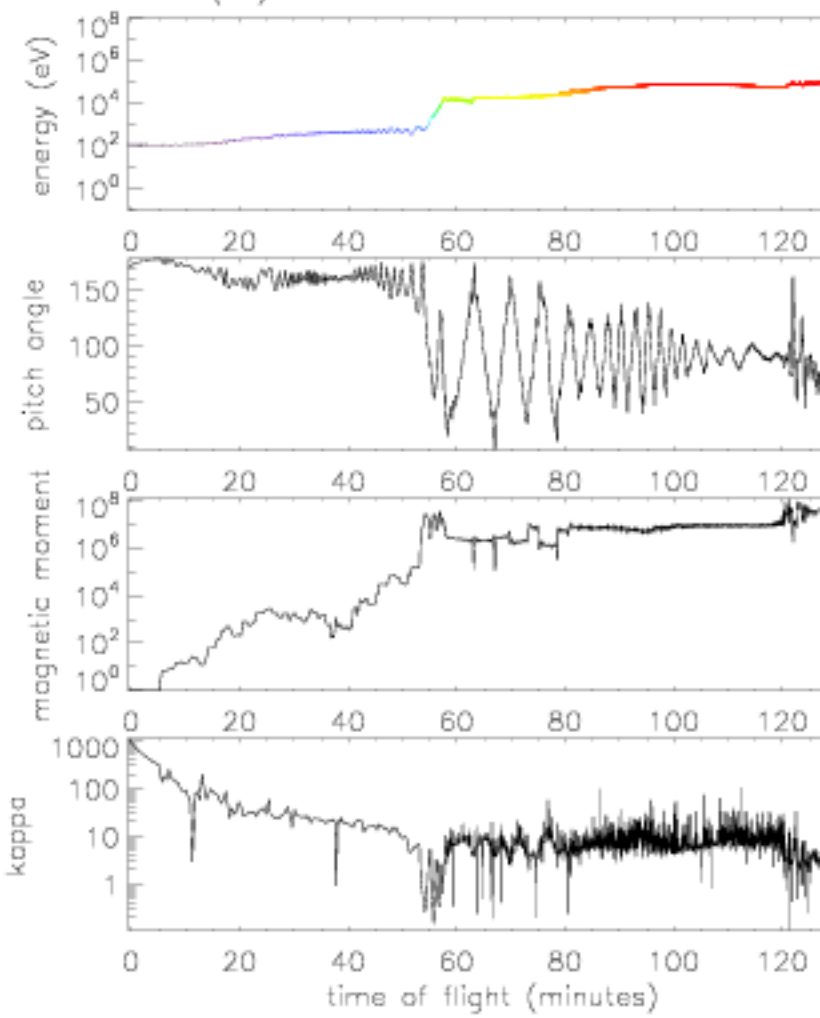

Start, Stop Parameters:

Time (minute): −0.6, 134.0
Magnetic local time: 9.376, 23.730
Magnetic latitude: 81.660,−41.150
Distance (Re): 1.16, 70.01
Energy (eV): 125.80, 78310.00
Pitch angle: 169.900, 28.350
Tilt angle (deg): 0.000

file: particle1084727.full

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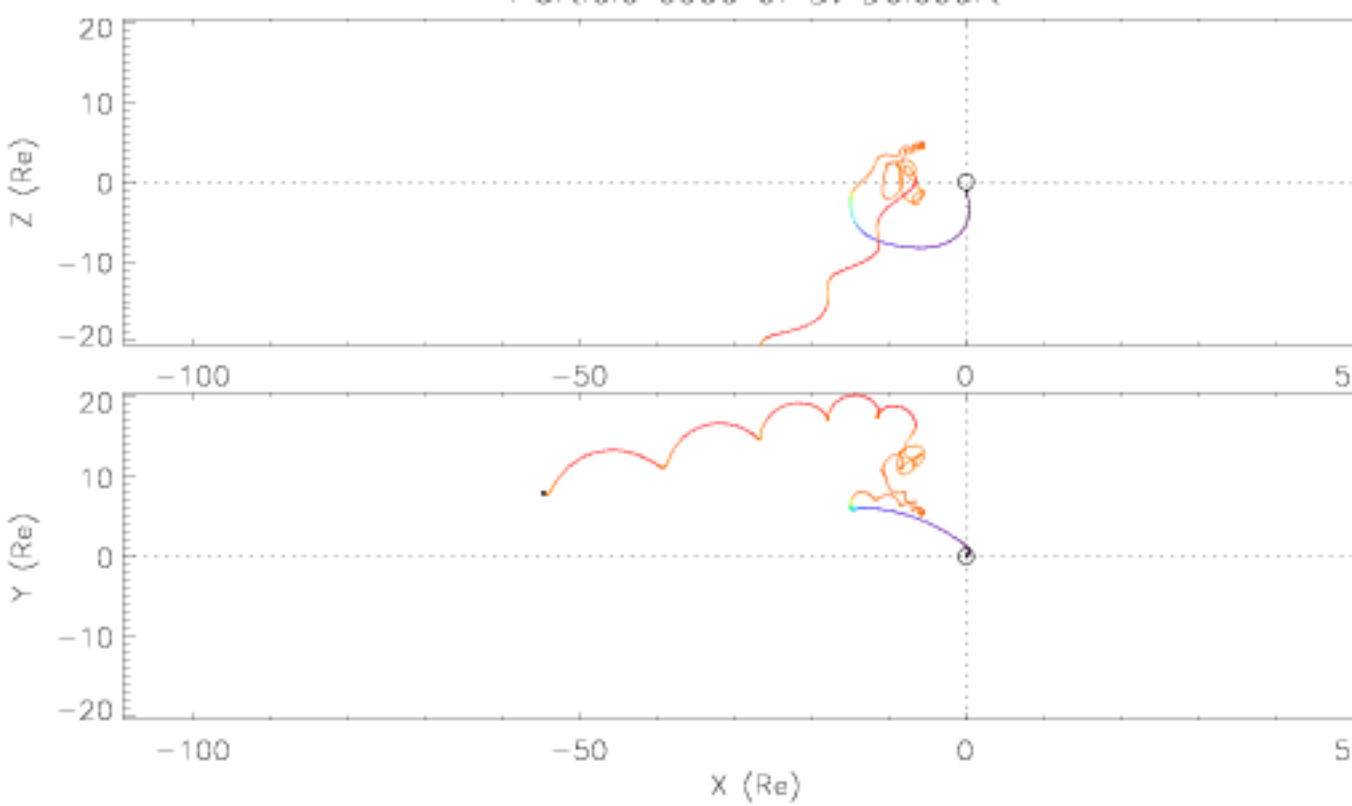

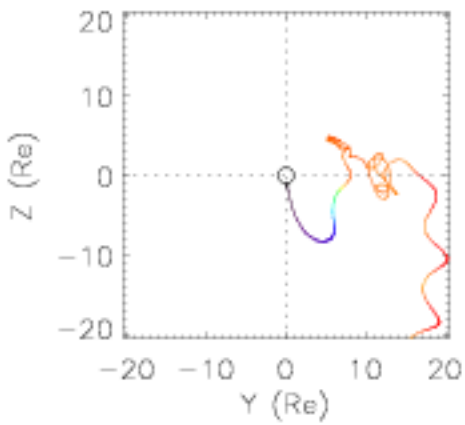

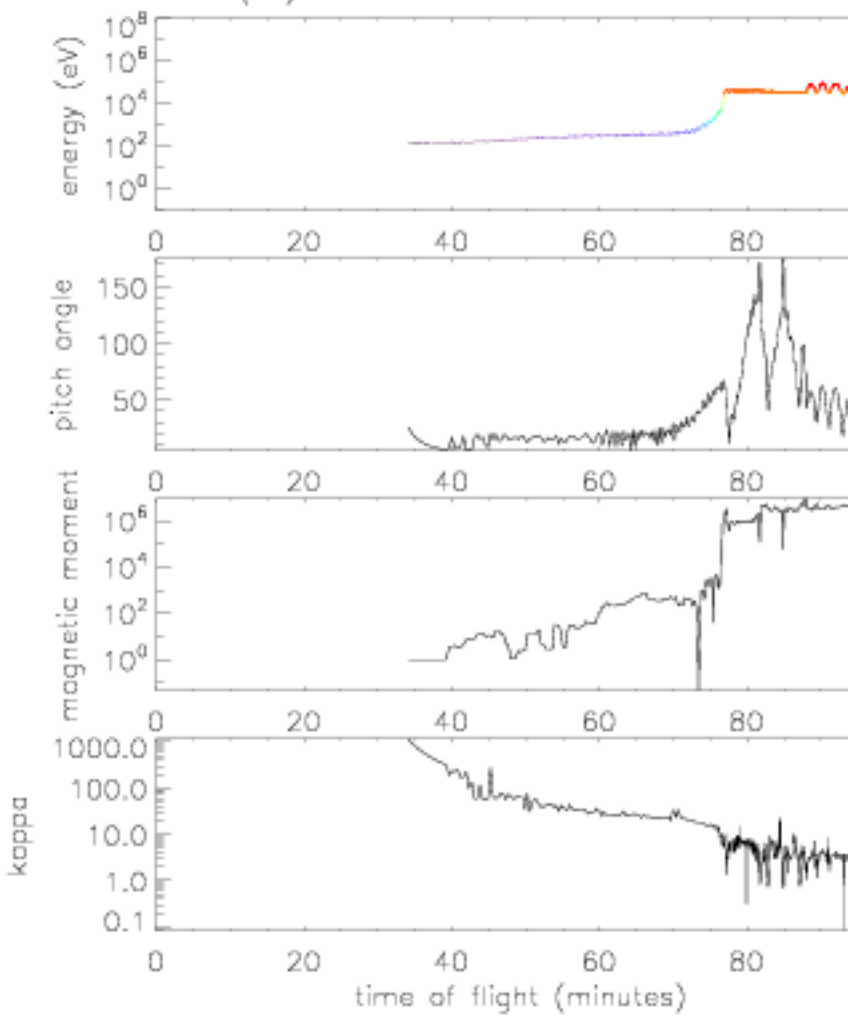

Start, Stop Parameters:

Time (minute): 34.1, 98.8
Magnetic local time: 15.250, 23.450
Magnetic latitude: −82.550, −37.900
Distance (Re): 1.16, 70.01
Energy (eV): 153.90, 37930.00
Pitch angle: 25.260, 28.990
Tilt angle (deg): 0.000

file: particle1086086.full

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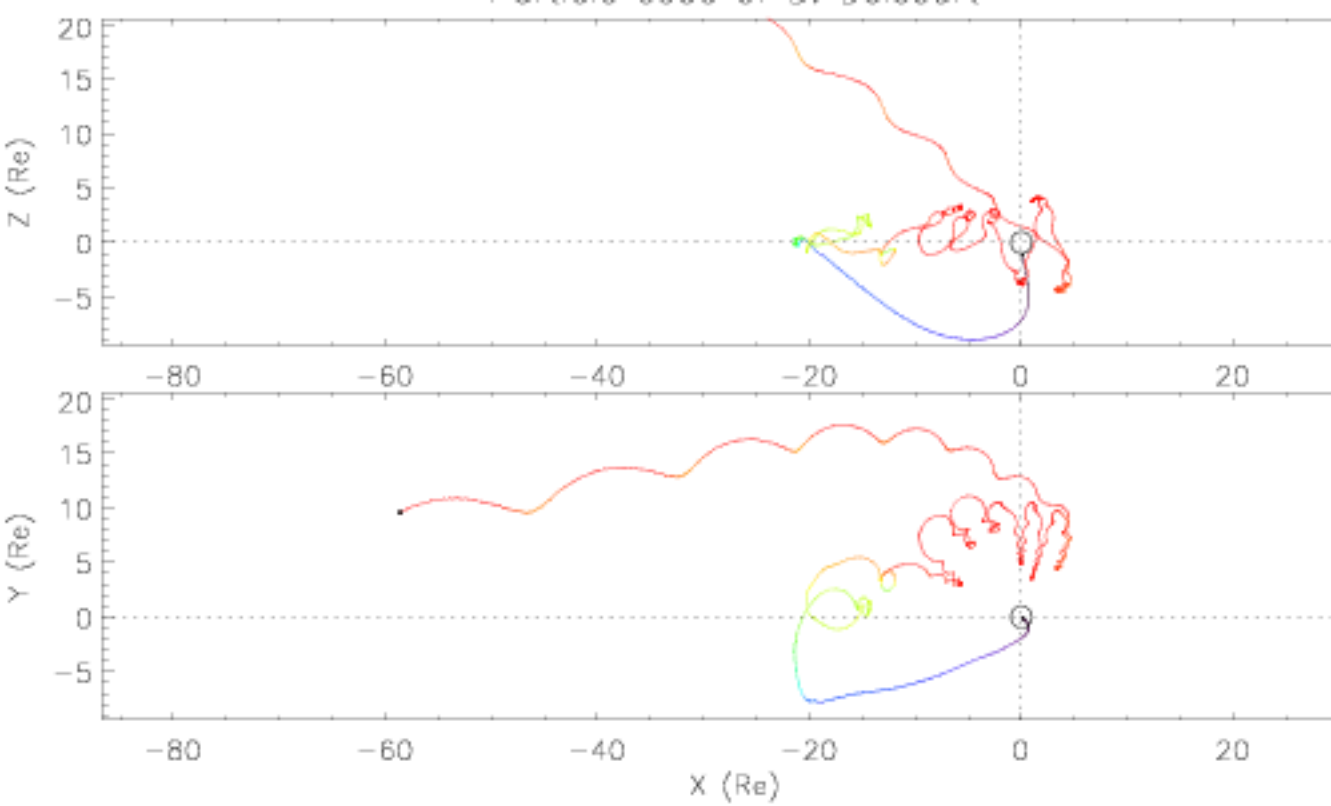

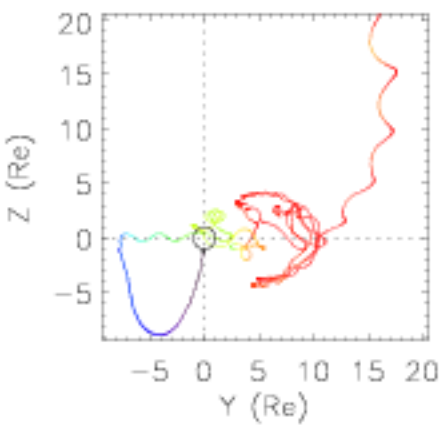

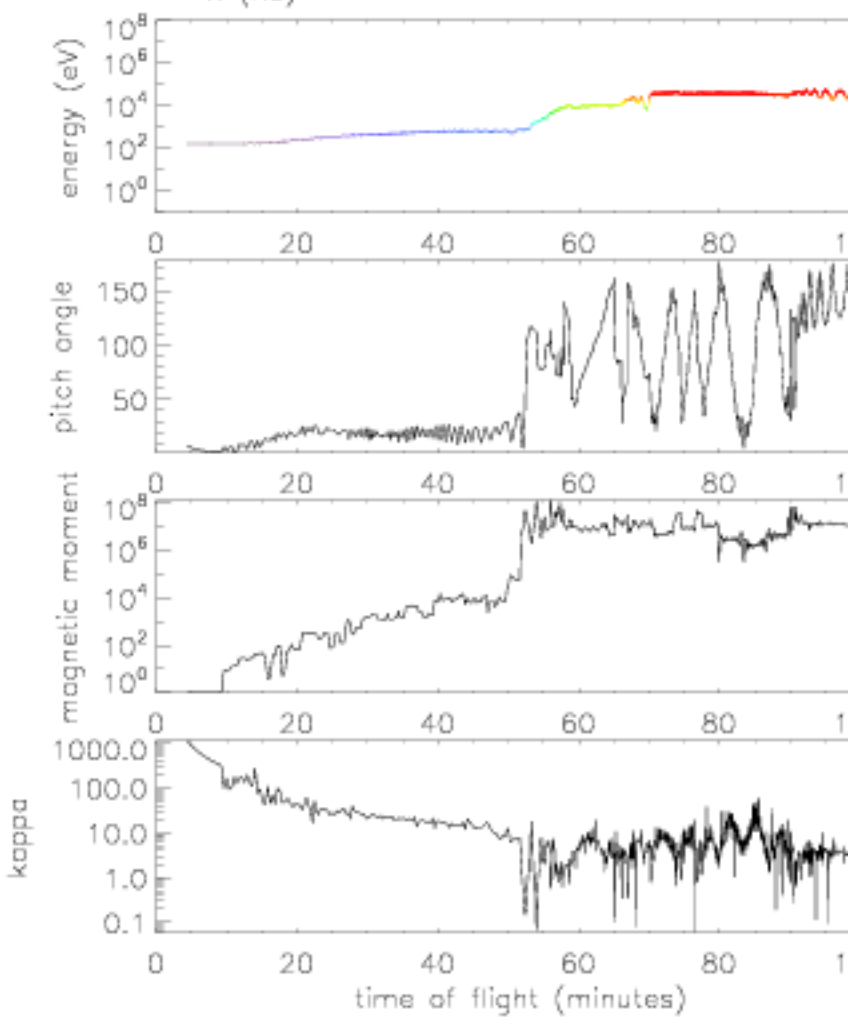

Start, Stop Parameters:

Time (minute): 4.4, 103.7
Magnetic local time: 9.222, 23.380
Magnetic latitude: −82.890, 31.980
Distance (Re): 1.16, 70.00
Energy (eV): 173.40, 38350.00
Pitch angle: 7.510, 137.600
Tilt angle (deg): 0.000

file: particle1088144.full

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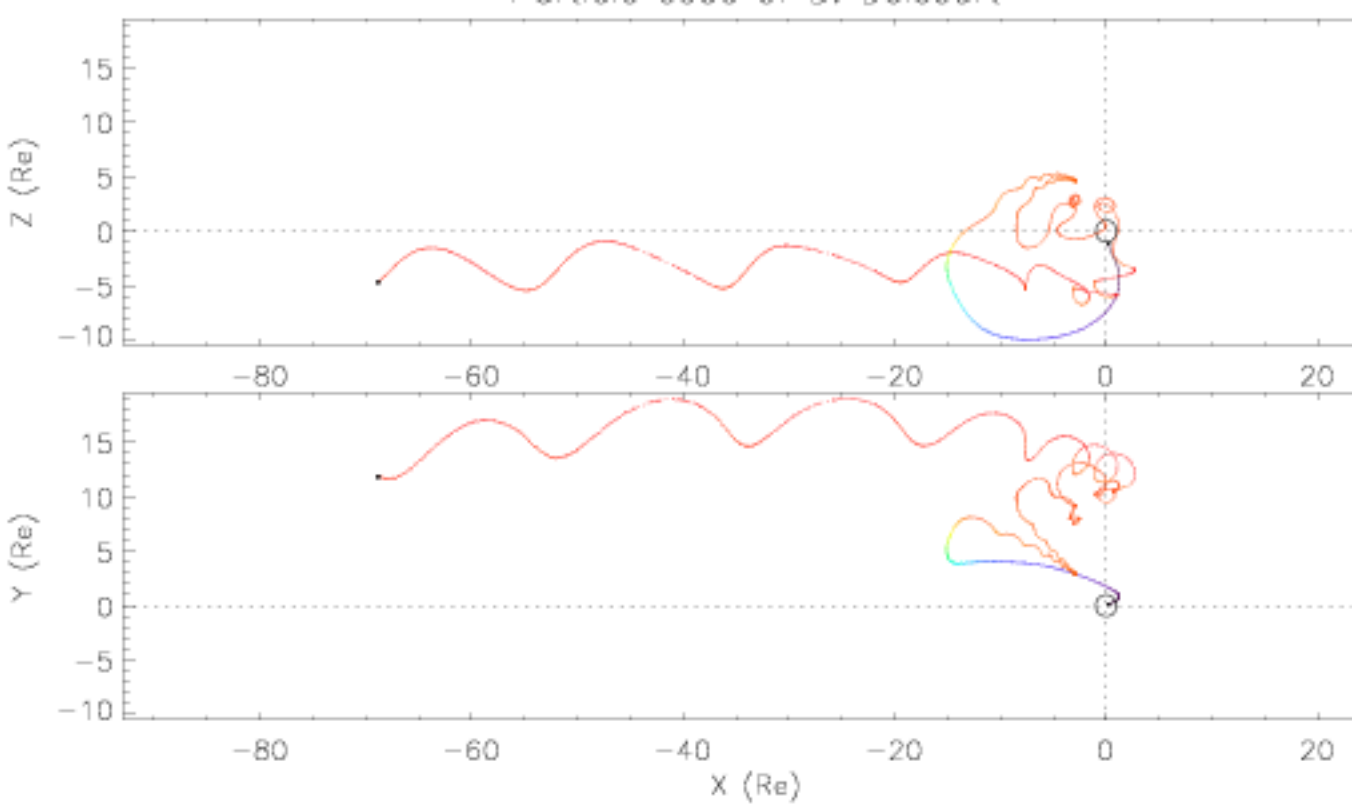

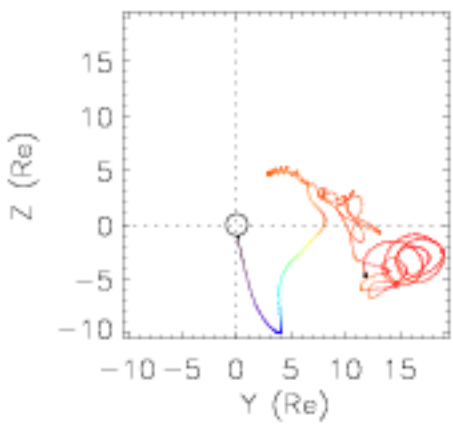

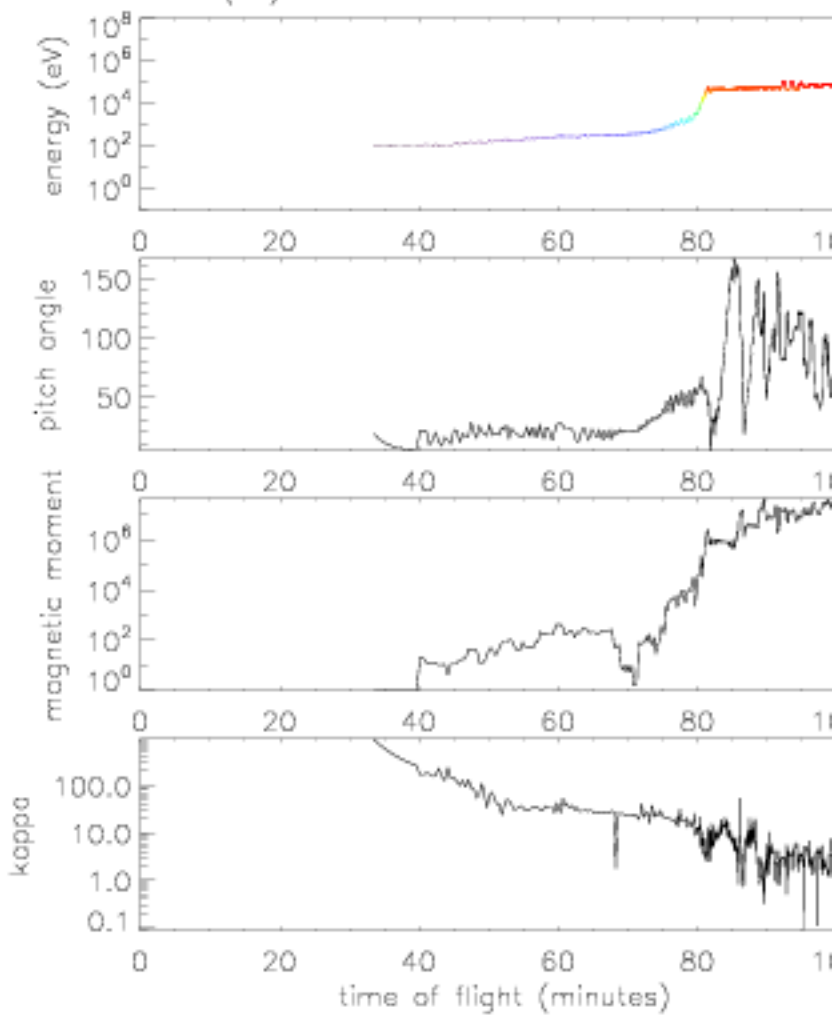

Start, Stop Parameters:

Time (minute): 33.5, 104.8
Magnetic local time: 13.660, 23.350
Magnetic latitude: −78.000, −3.827
Distance (Re): 1.16, 70.00
Energy (eV): 108.50, 65740.00
Pitch angle: 18.580, 38.820
Tilt angle (deg): 0.000

file: particle1088916.full

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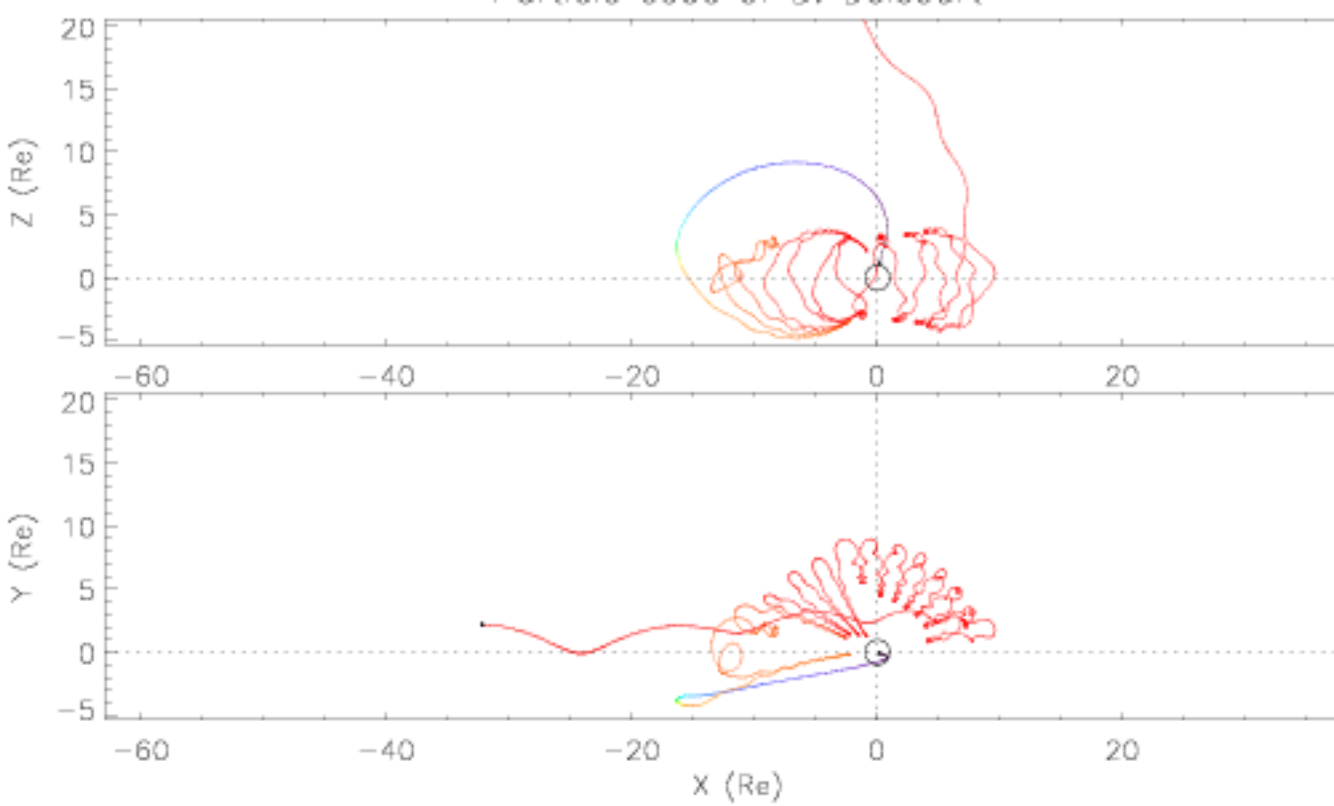

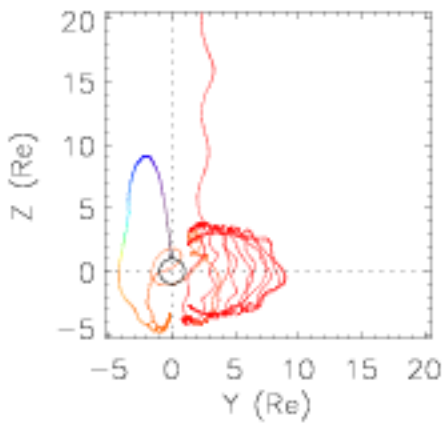

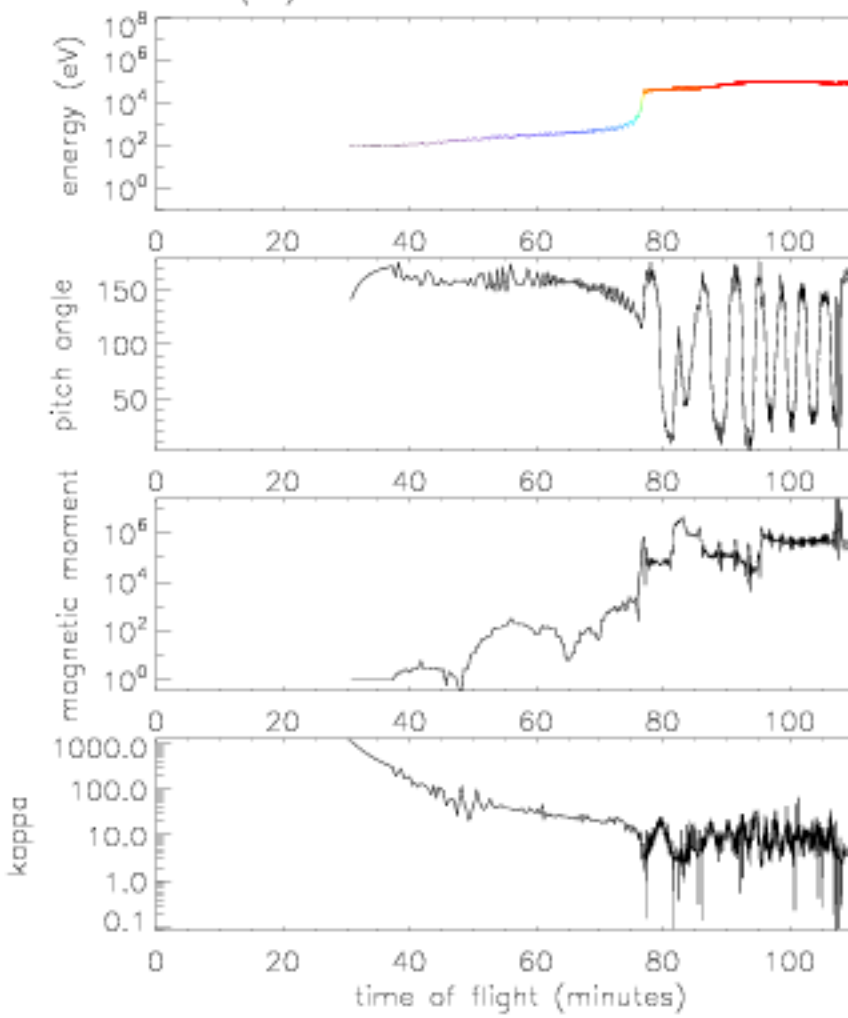

Start, Stop Parameters:

Time (minute): 30.7, 115.2
Magnetic local time: 10.520, 23.740
Magnetic latitude: 81.410, 62.520
Distance (Re): 1.16, 70.00
Energy (eV): 110.00, 112600.00
Pitch angle: 141.500, 144.100
Tilt angle (deg): 0.000

file: particle1098557.full

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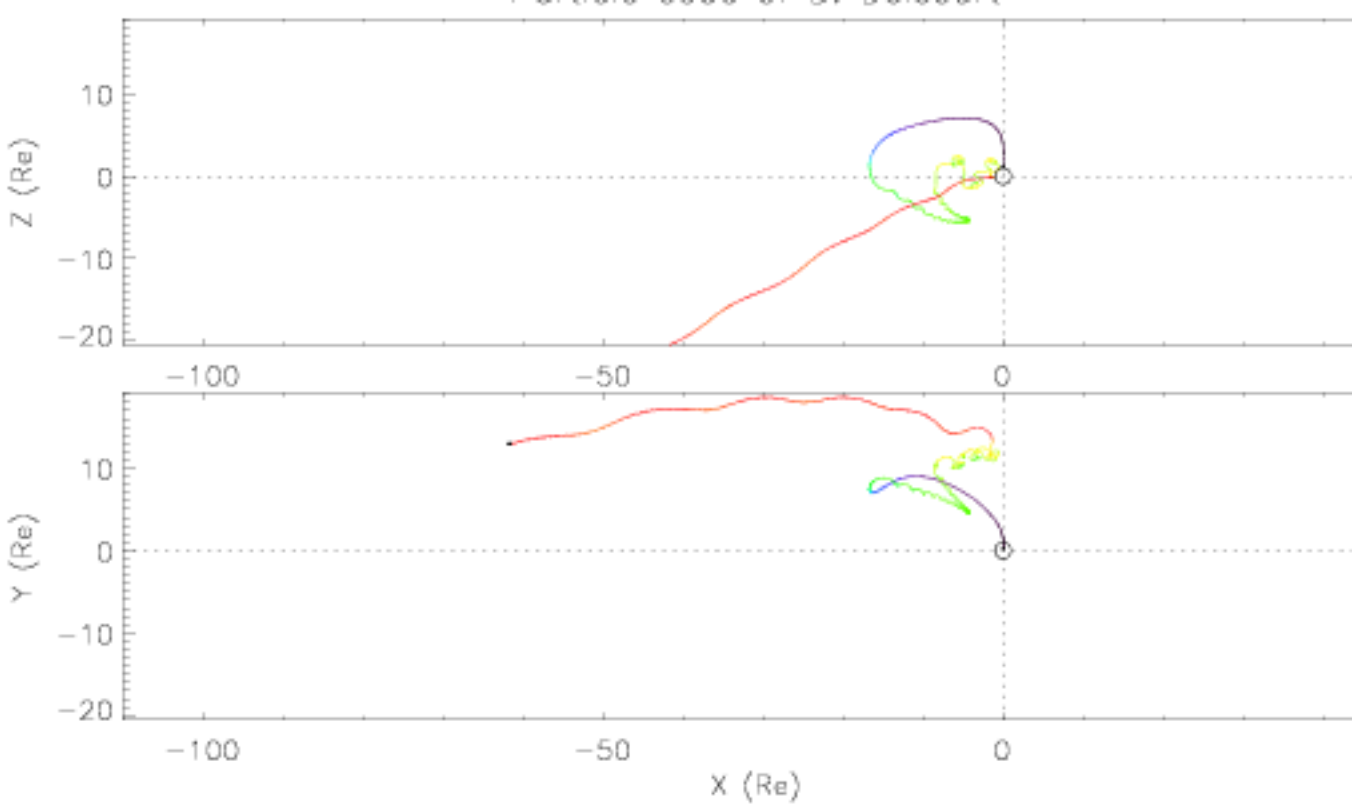

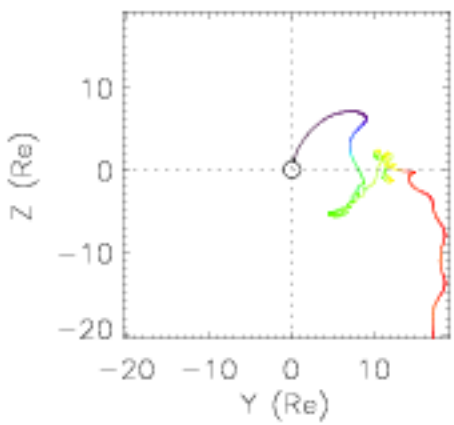

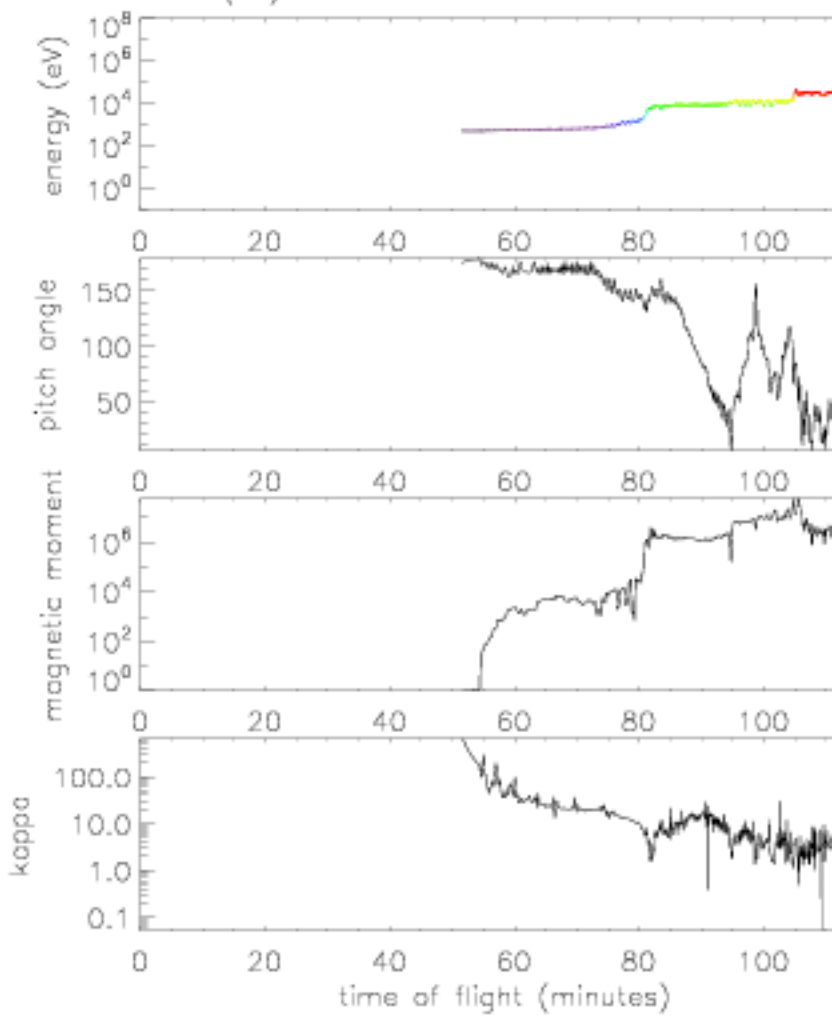

Start, Stop Parameters:

Time (minute): 51.7, 117.1
Magnetic local time: 17.710, 23.210
Magnetic latitude: 78.680,−25.850
Distance (Re): 1.16, 70.01
Energy (eV): 553.40, 34280.00
Pitch angle: 175.800, 31.450
Tilt angle (deg): 0.000

file: particle1101525.full

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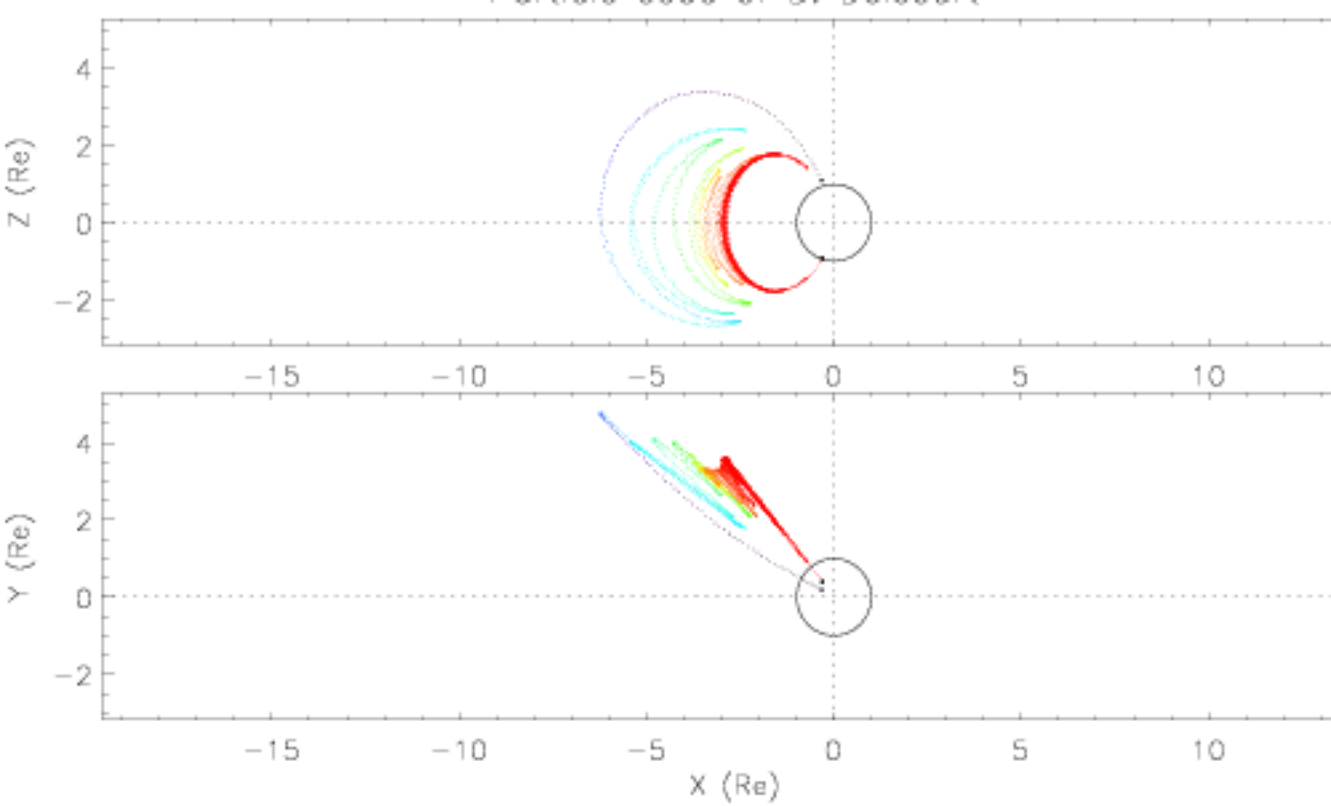

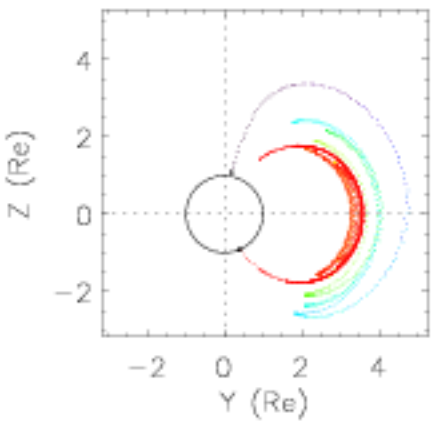

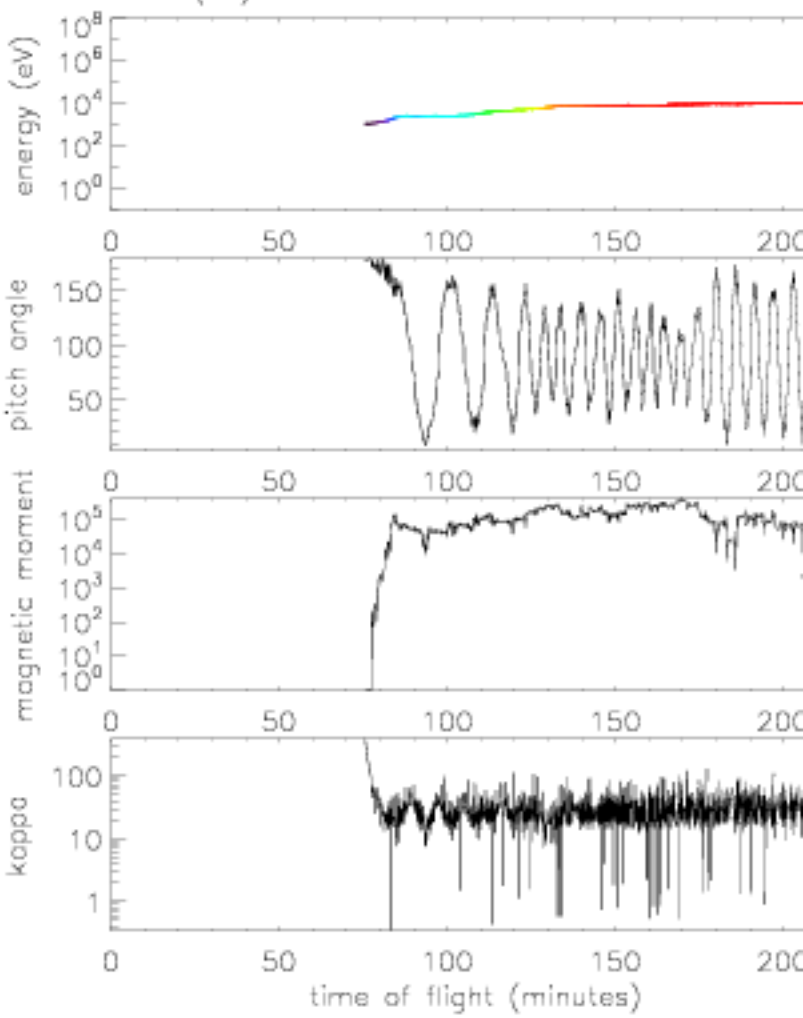

Start, Stop Parameters:

Time (minute): 75.4, 217.2
Magnetic local time: 22.040, 20.540
Magnetic latitude: 71.030,−61.530
Distance (Re): 1.16, 1.05
Energy (eV): 1214.00, 10210.00
Pitch angle: 177.100, 139.300
Tilt angle (deg): 0.000

file: particle1102639.full

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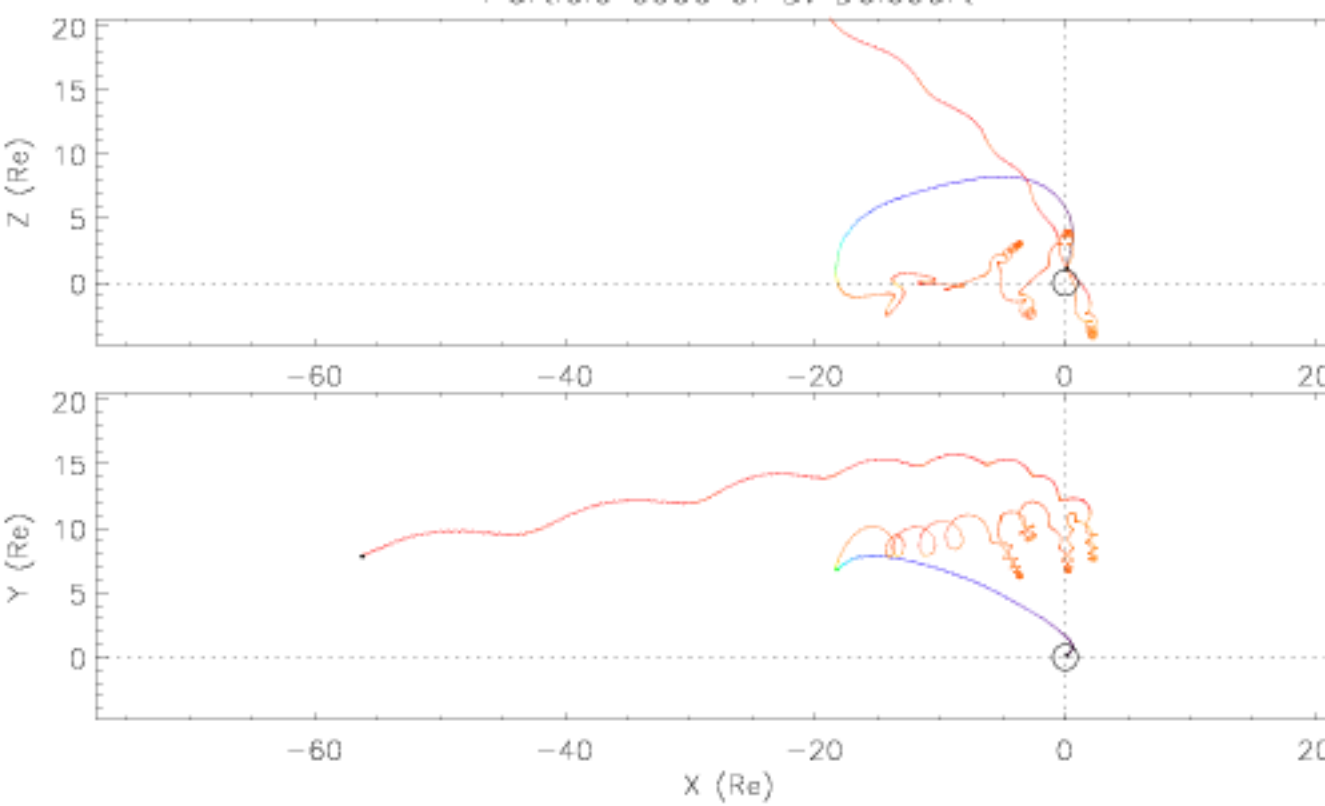

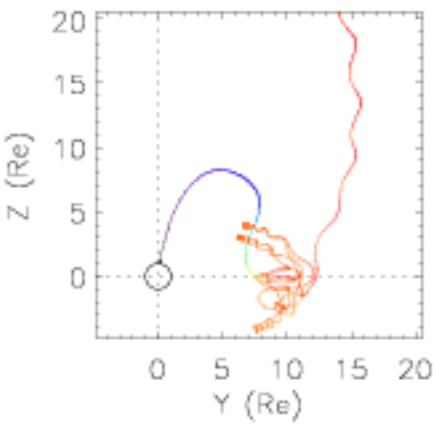

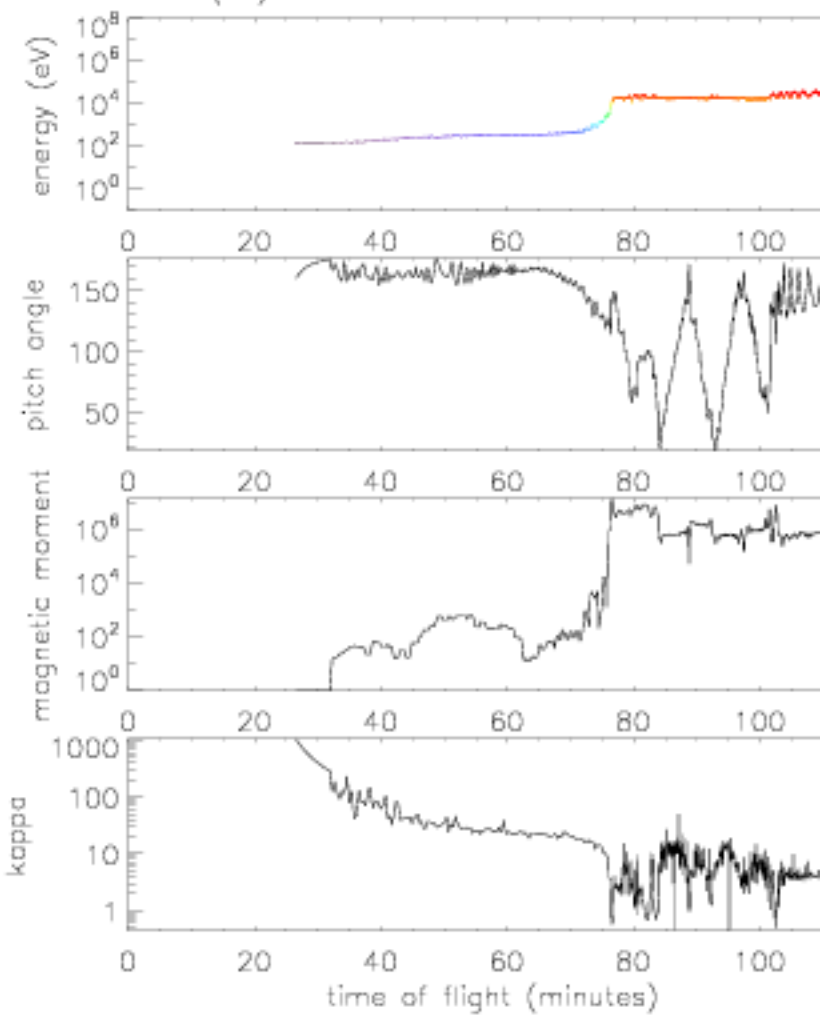

Start, Stop Parameters:

Time (minute): 26.5, 115.6
Magnetic local time: 15.020, 23.470
Magnetic latitude: 81.090, 35.870
Distance (Re): 1.16, 70.00
Energy (eV): 144.20, 26150.00
Pitch angle: 160.300, 161.500
Tilt angle (deg): 0.000

file: particle1105987.full

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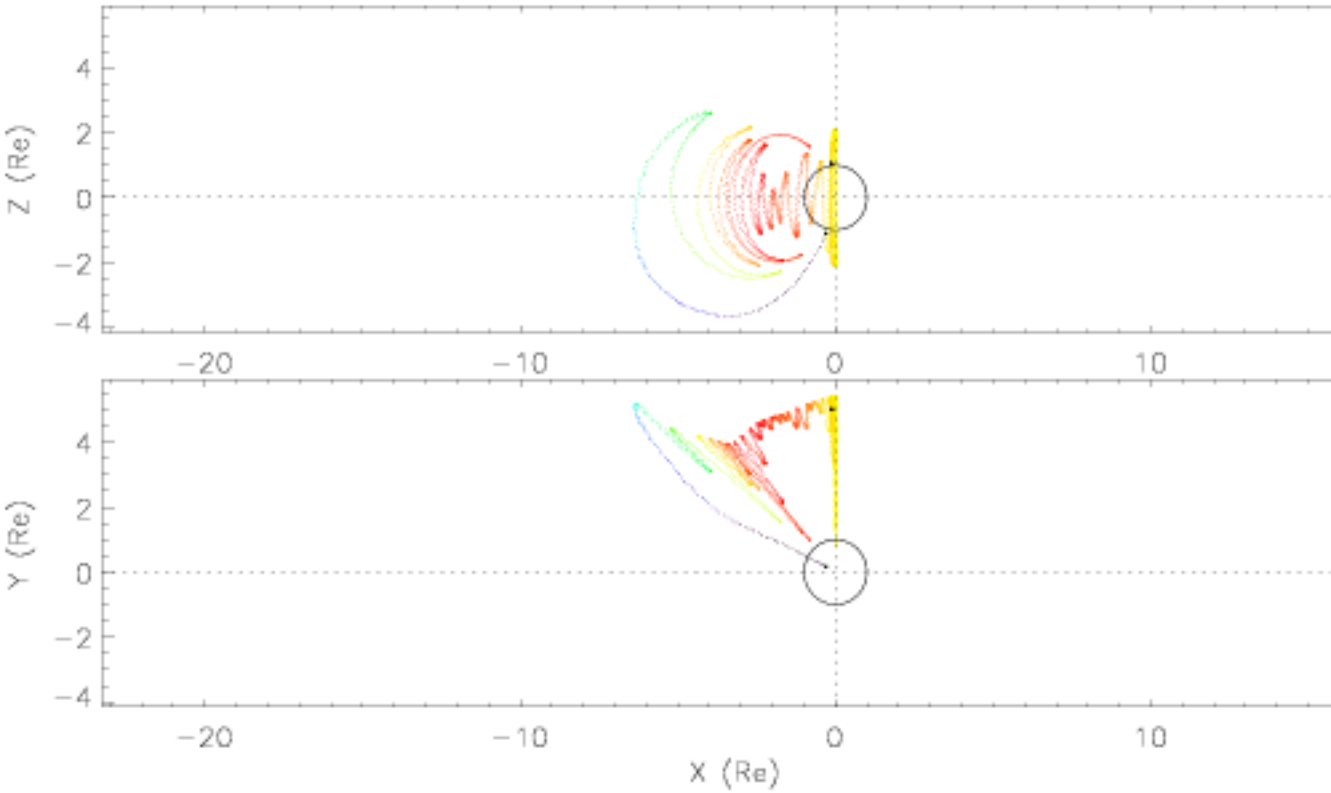

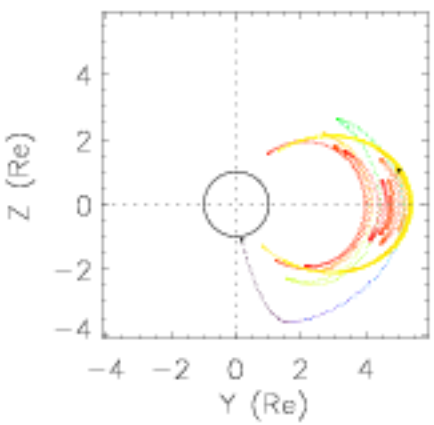

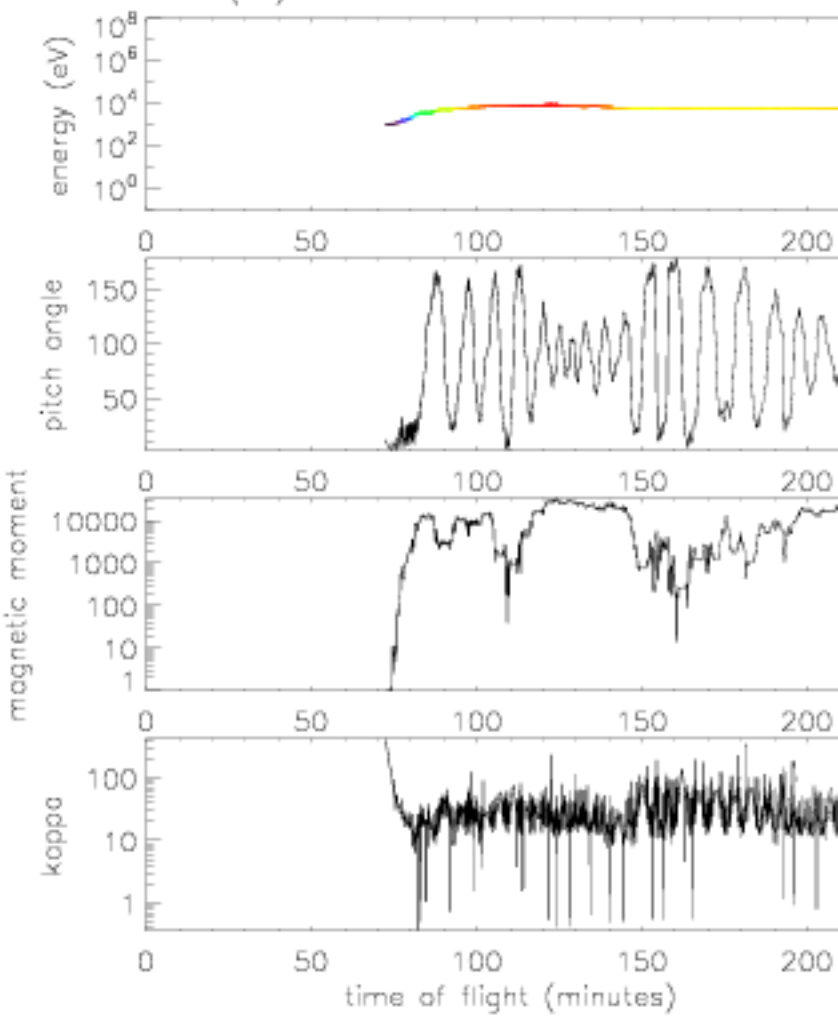

Start, Stop Parameters:

Time (minute): 72.5, 220.8
Magnetic local time: 22.130, 18.100
Magnetic latitude: −72.590, 11.810
Distance (Re): 1.16, 5.11
Energy (eV): 1194.00, 6257.00
Pitch angle: 12.330, 44.800
Tilt angle (deg): 0.000

file: particle1112530.full

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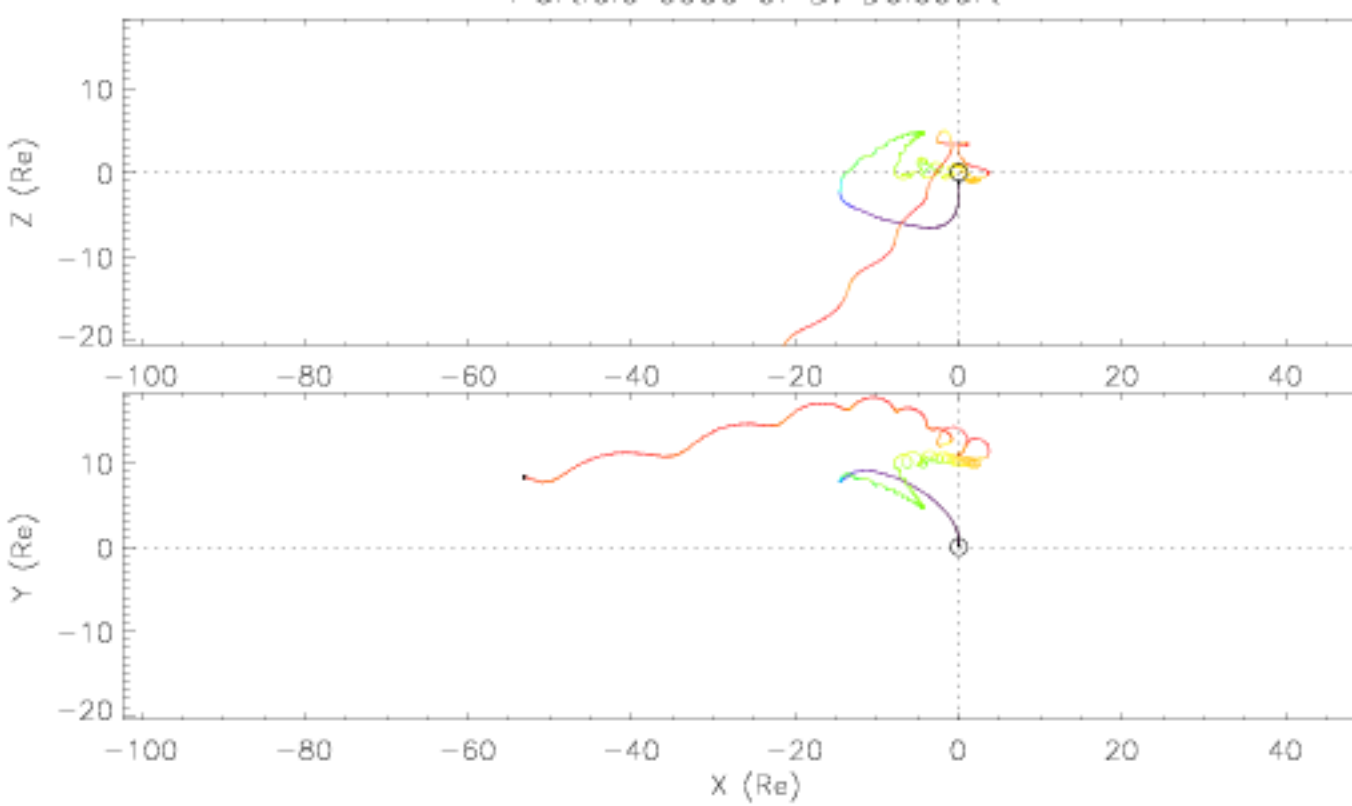

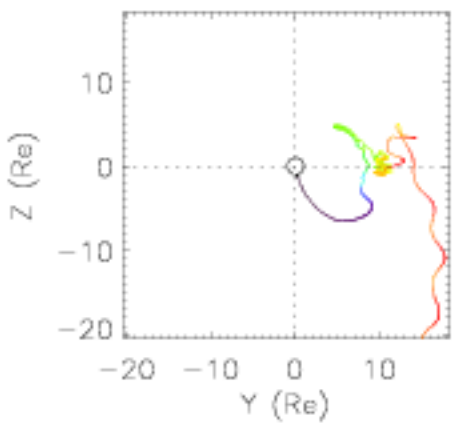

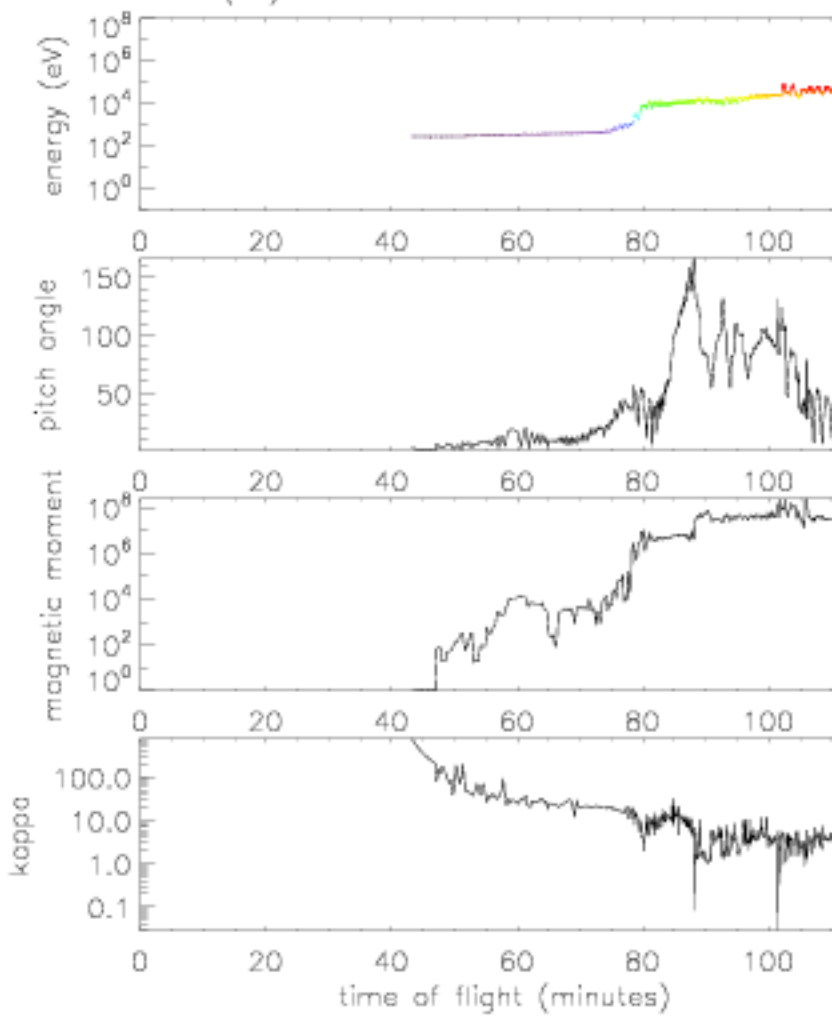

Start, Stop Parameters:

Time (minute): 43.2, 116.2
Magnetic local time: 17.960, 23.410
Magnetic latitude: −79.280, −39.760
Distance (Re): 1.16, 70.01
Energy (eV): 296.30, 52180.00
Pitch angle: 3.044, 30.980
Tilt angle (deg): 0.000

file: particle1122352.full

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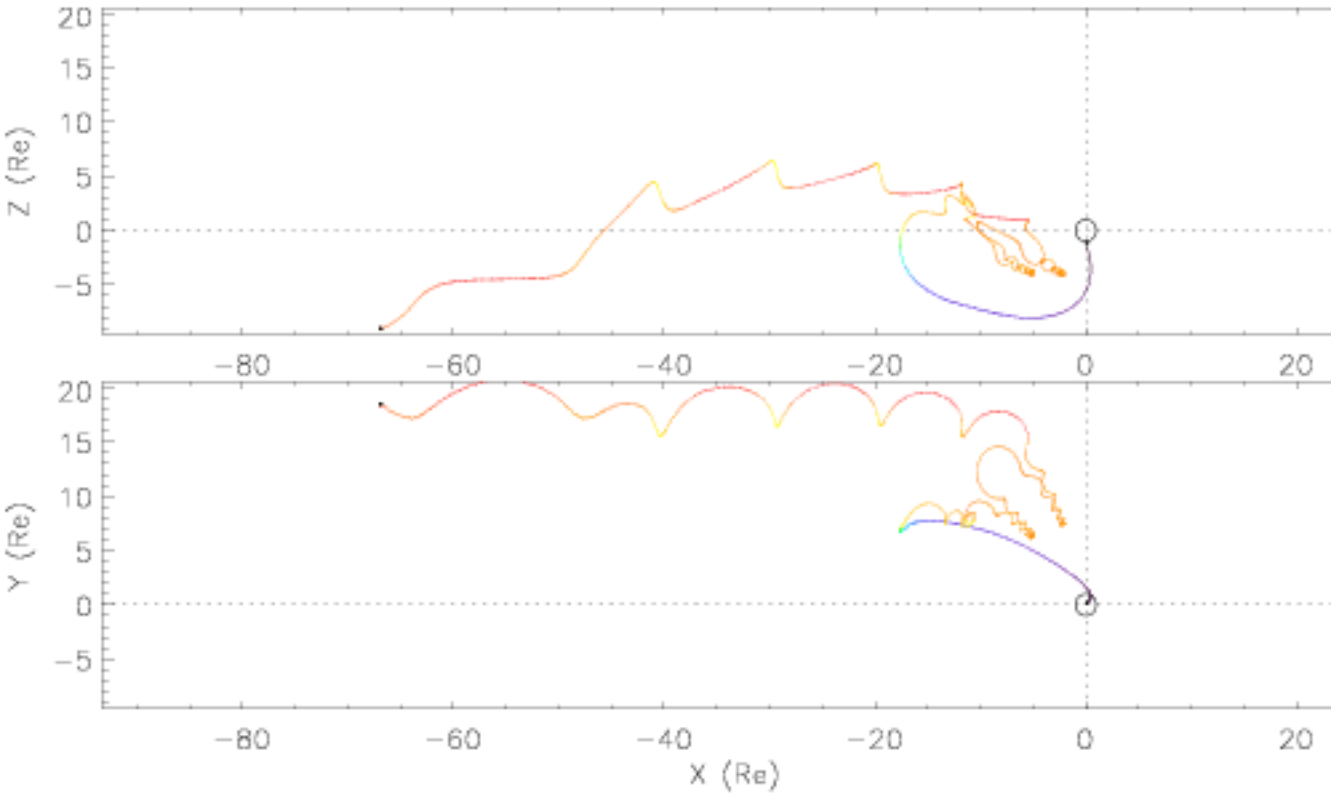

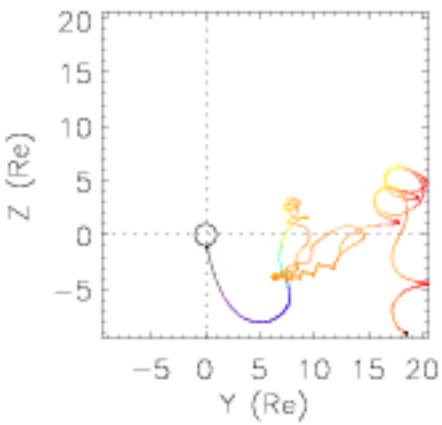

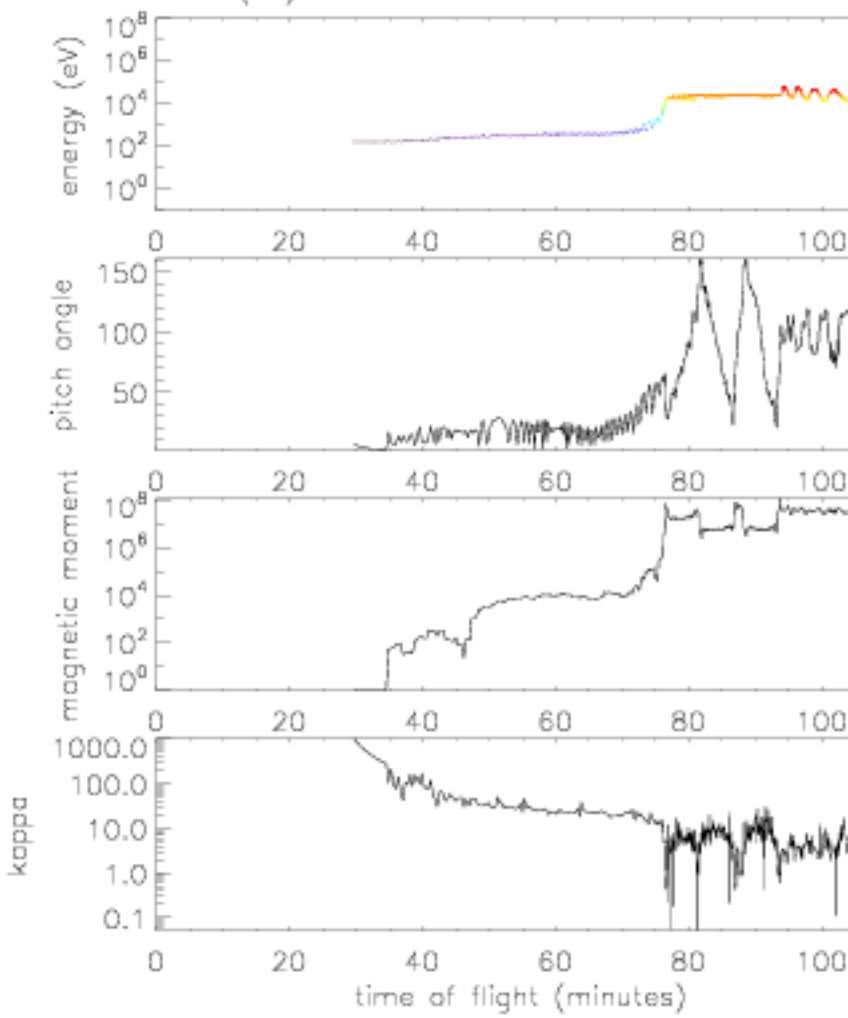

Start, Stop Parameters:

Time (minute): 29.7, 109.7
Magnetic local time: 15.460, 22.970
Magnetic latitude: −81.620, −7.430
Distance (Re): 1.16, 70.00
Energy (eV): 172.70, 34800.00
Pitch angle: 6.903, 32.580
Tilt angle (deg): 0.000

file: particle1122434.full

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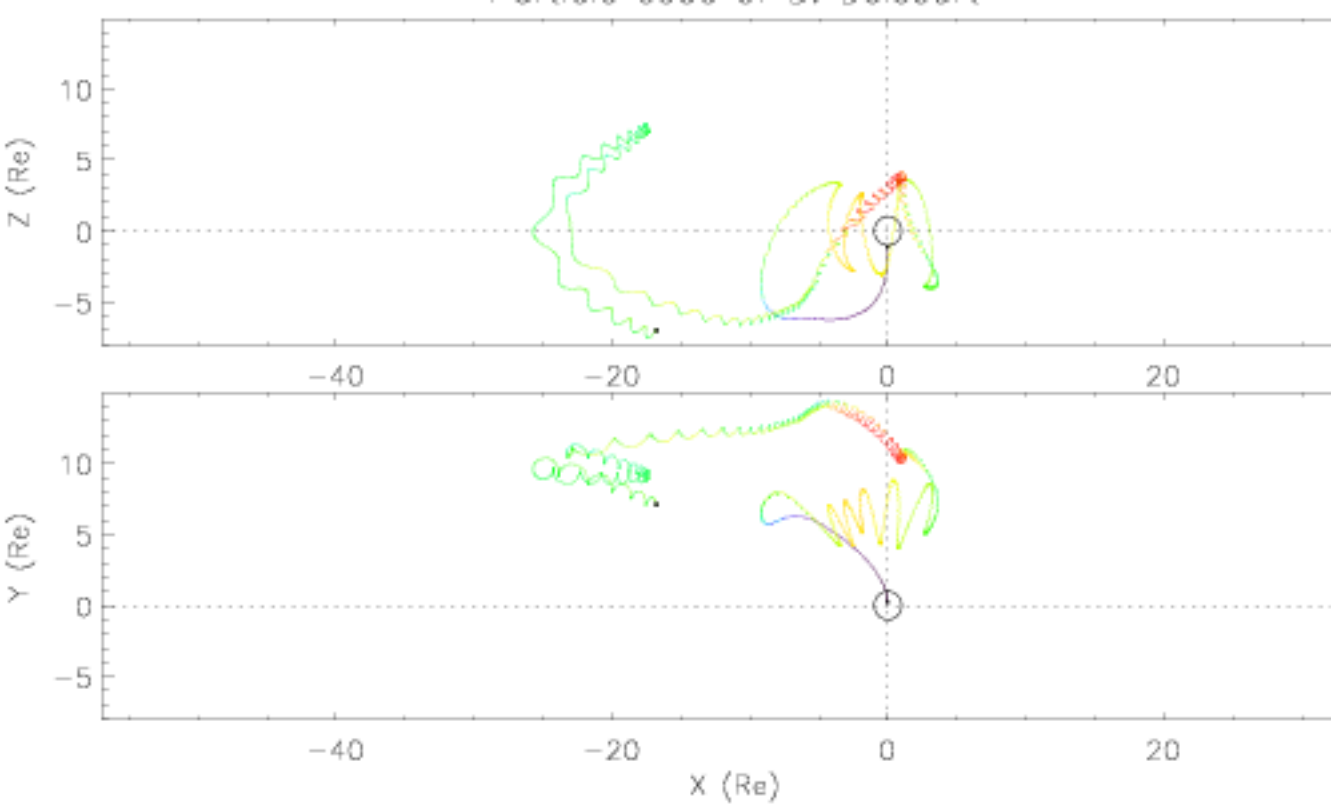

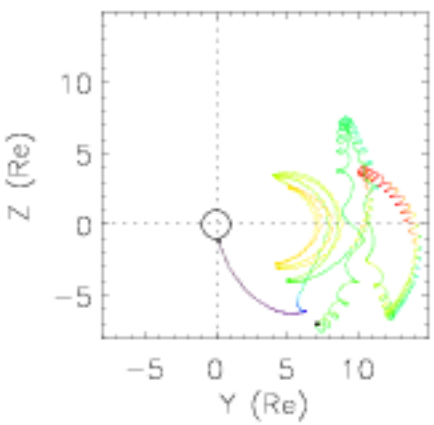

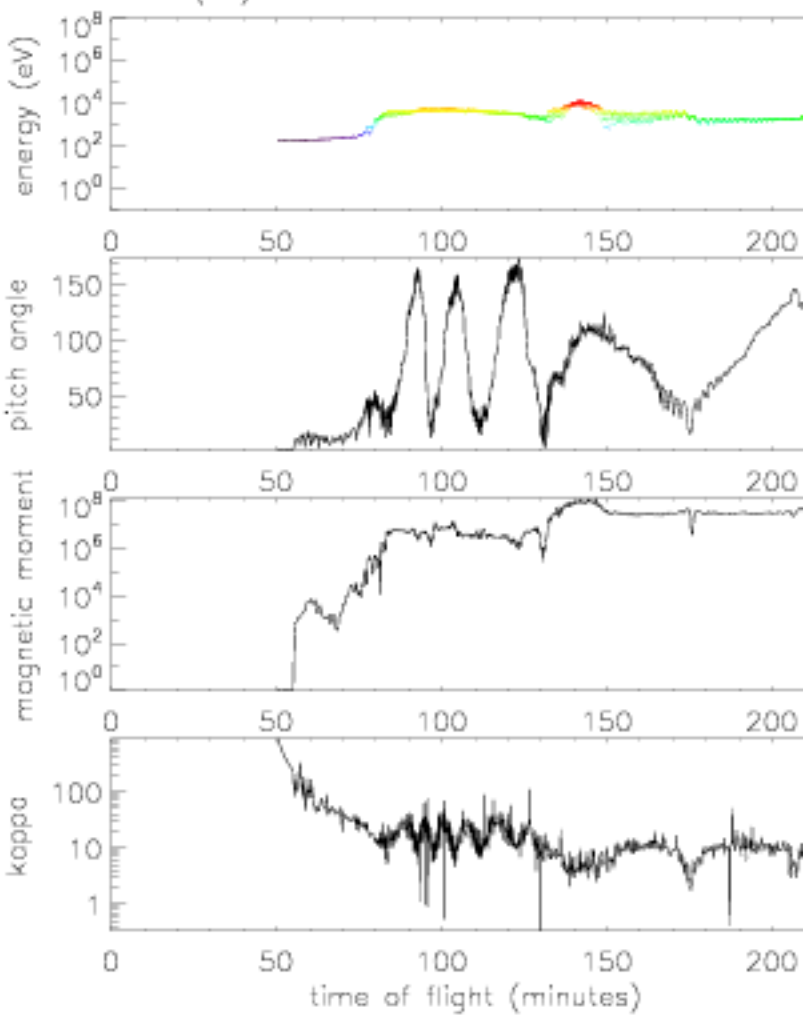

Start, Stop Parameters:

Time (minute): 50.3, 220.8
Magnetic local time: 18.490, 22.470
Magnetic latitude: −79.500, −21.010
Distance (Re): 1.16, 19.52
Energy (eV): 189.40, 2969.00
Pitch angle: 1.759, 105.100
Tilt angle (deg): 0.000

file: particle1133806.full

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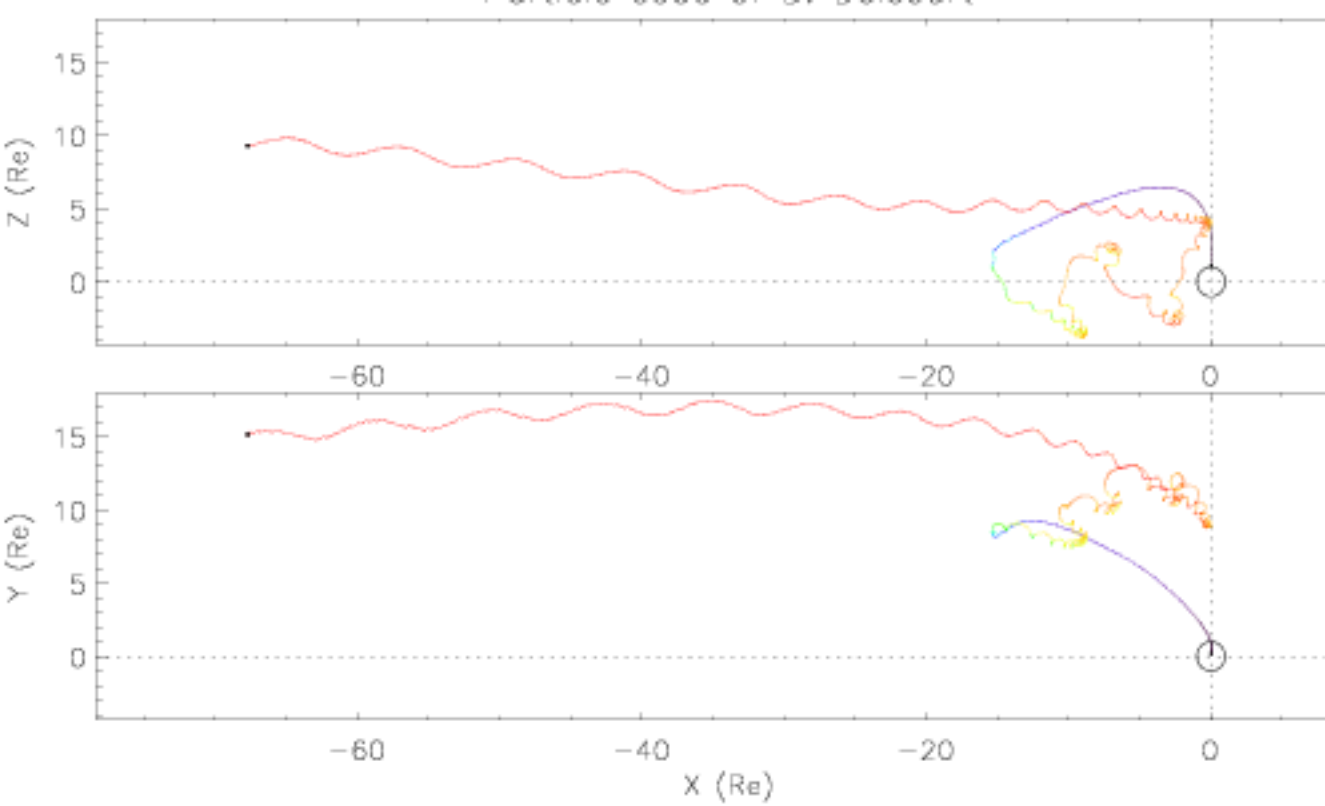

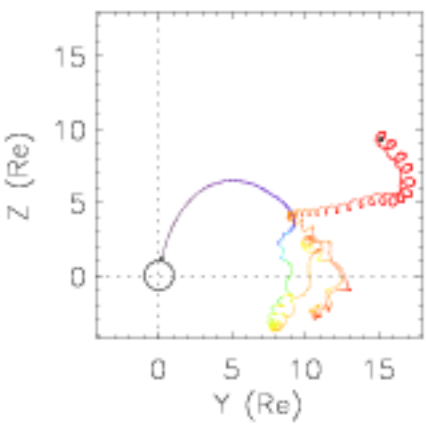

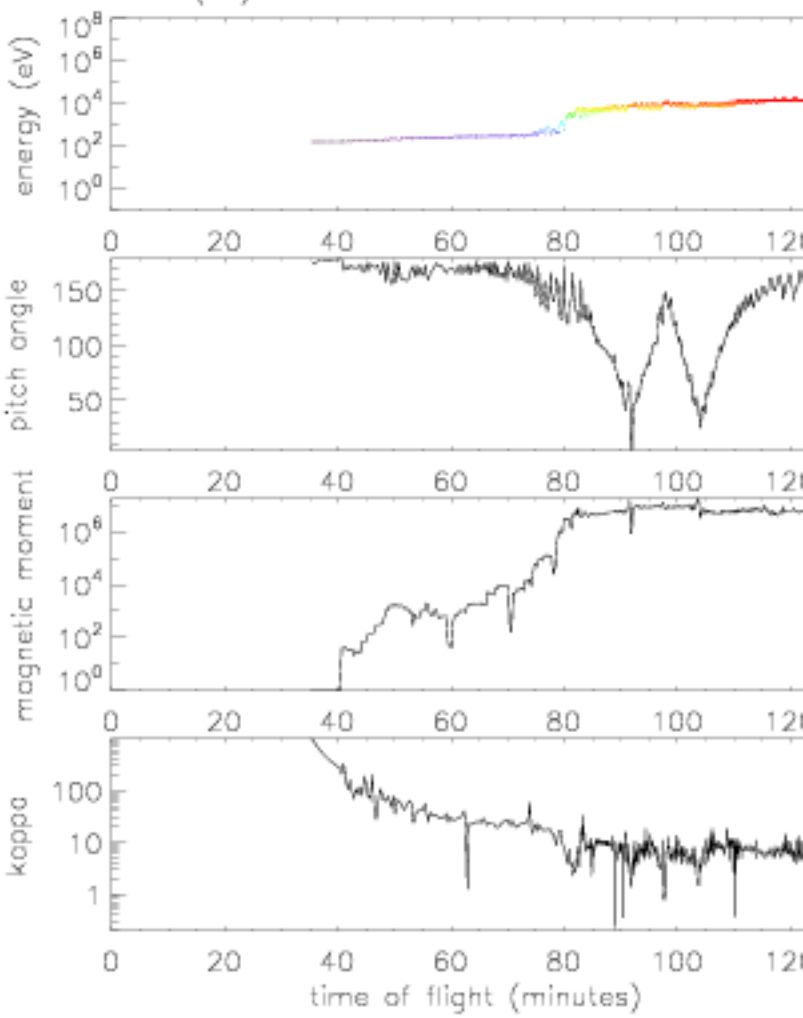

Start, Stop Parameters:

Time (minute): 35.5, 129.0
Magnetic local time: 17.750, 23.160
Magnetic latitude: 81.300, 7.616
Distance (Re): 1.16, 70.00
Energy (eV): 173.30, 17540.00
Pitch angle: 174.300, 153.900
Tilt angle (deg): 0.000

file: particle1154659.full

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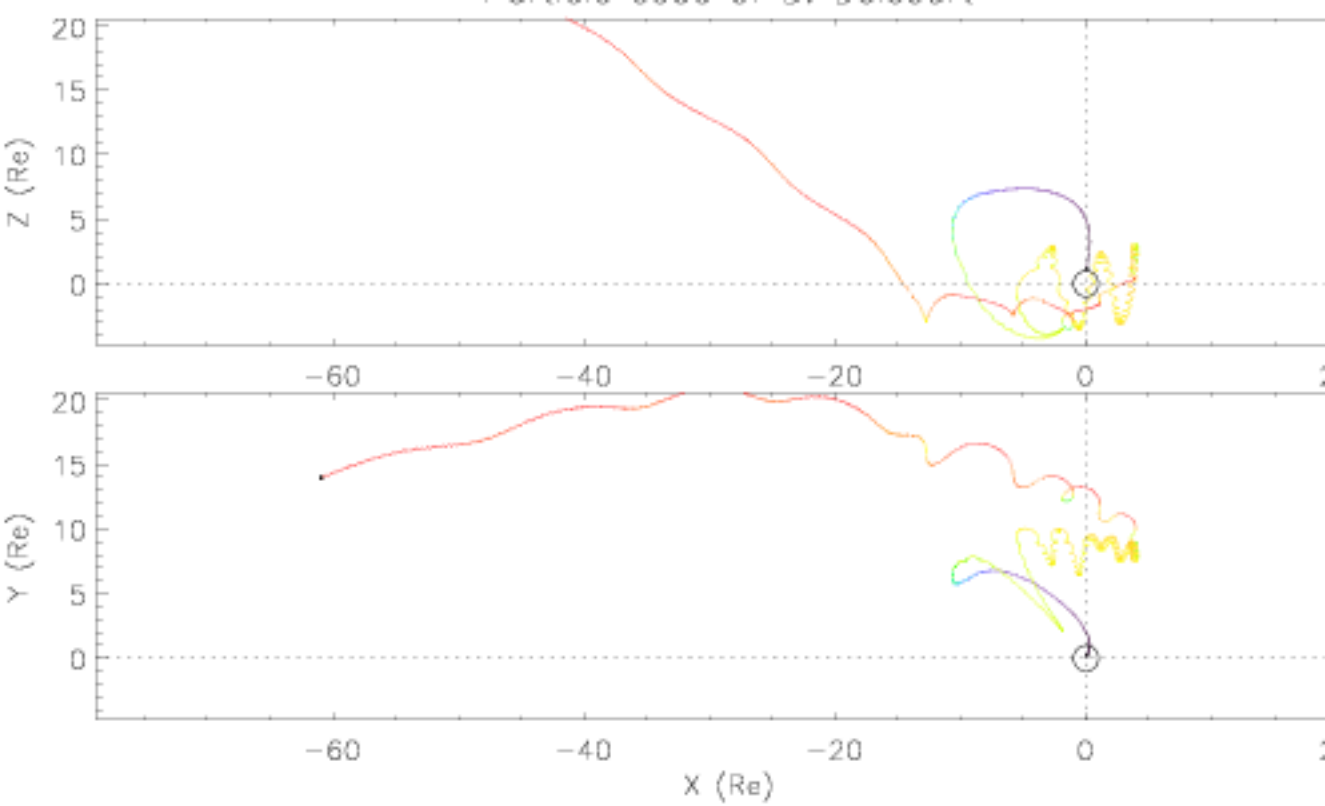

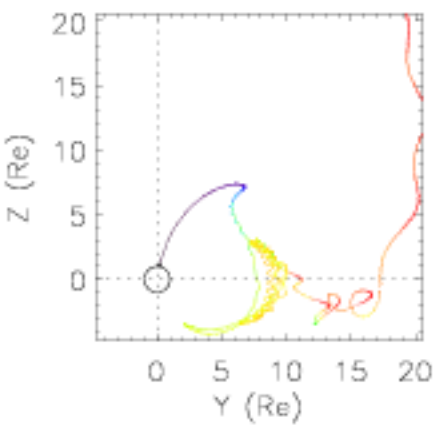

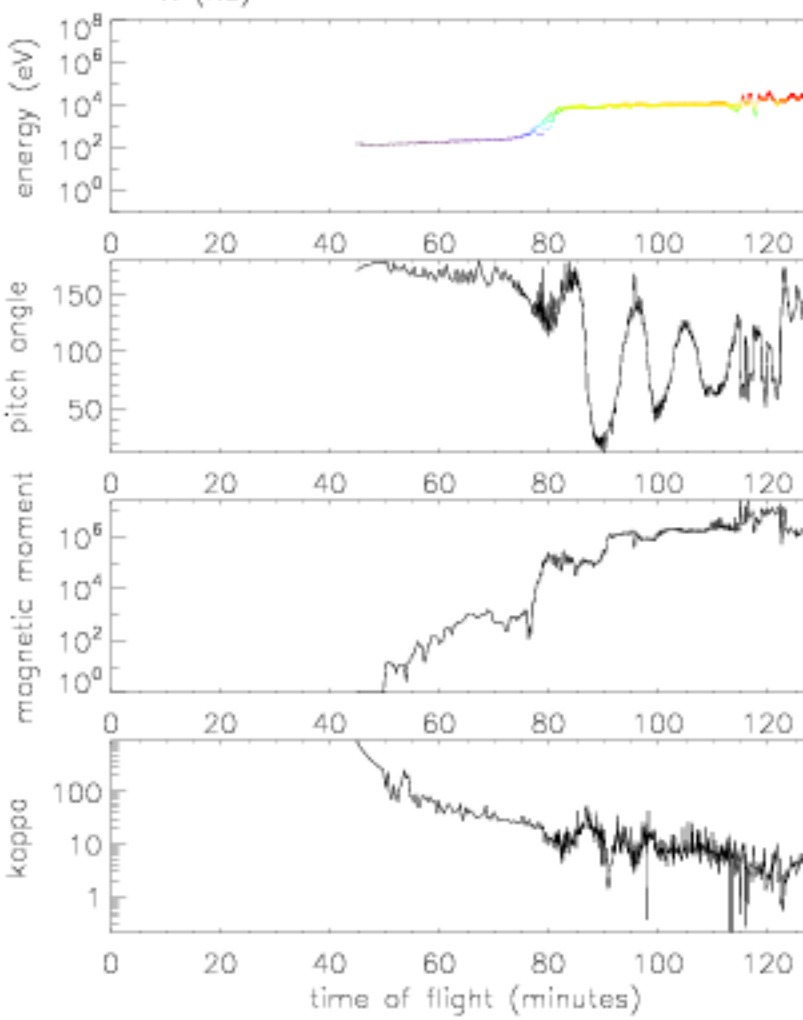

Start, Stop Parameters:

Time (minute): 44.8, 133.4
Magnetic local time: 16.630, 23.140
Magnetic latitude: 79.910, 26.750
Distance (Re): 1.16, 70.00
Energy (eV): 164.80, 27860.00
Pitch angle: 169.900, 150.600
Tilt angle (deg): 0.000

file: particle1160999.full

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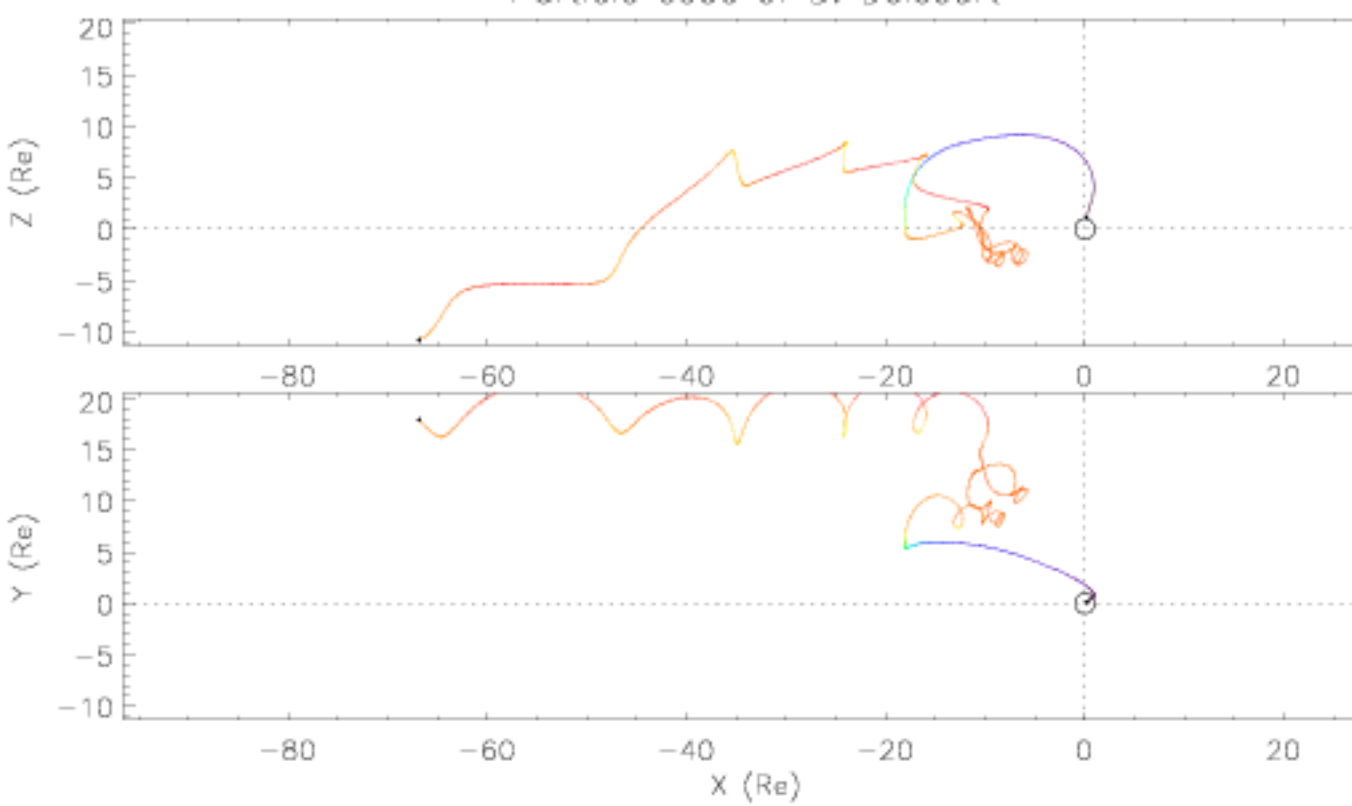

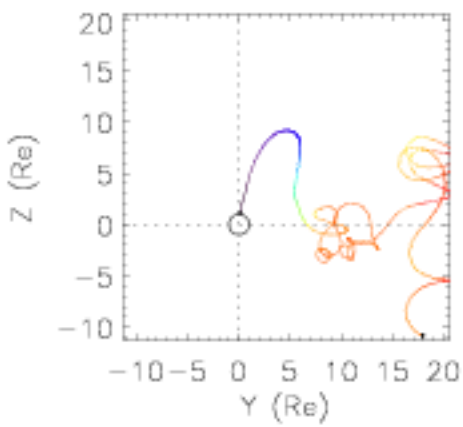

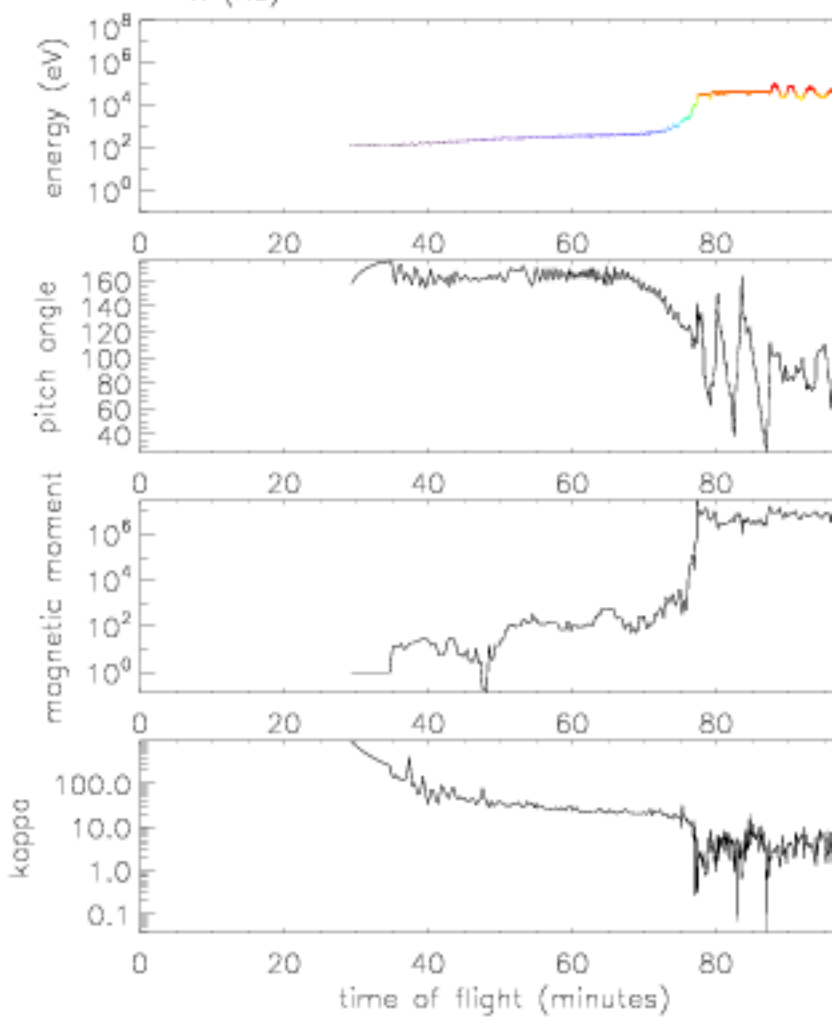

Start, Stop Parameters:

Time (minute): 29.3, 101.3
Magnetic local time: 14.370, 23.000
Magnetic latitude: 79.470, −8.884
Distance (Re): 1.16, 70.00
Energy (eV): 144.00, 40670.00
Pitch angle: 157.700, 35.350
Tilt angle (deg): 0.000

file: particle1169731.full

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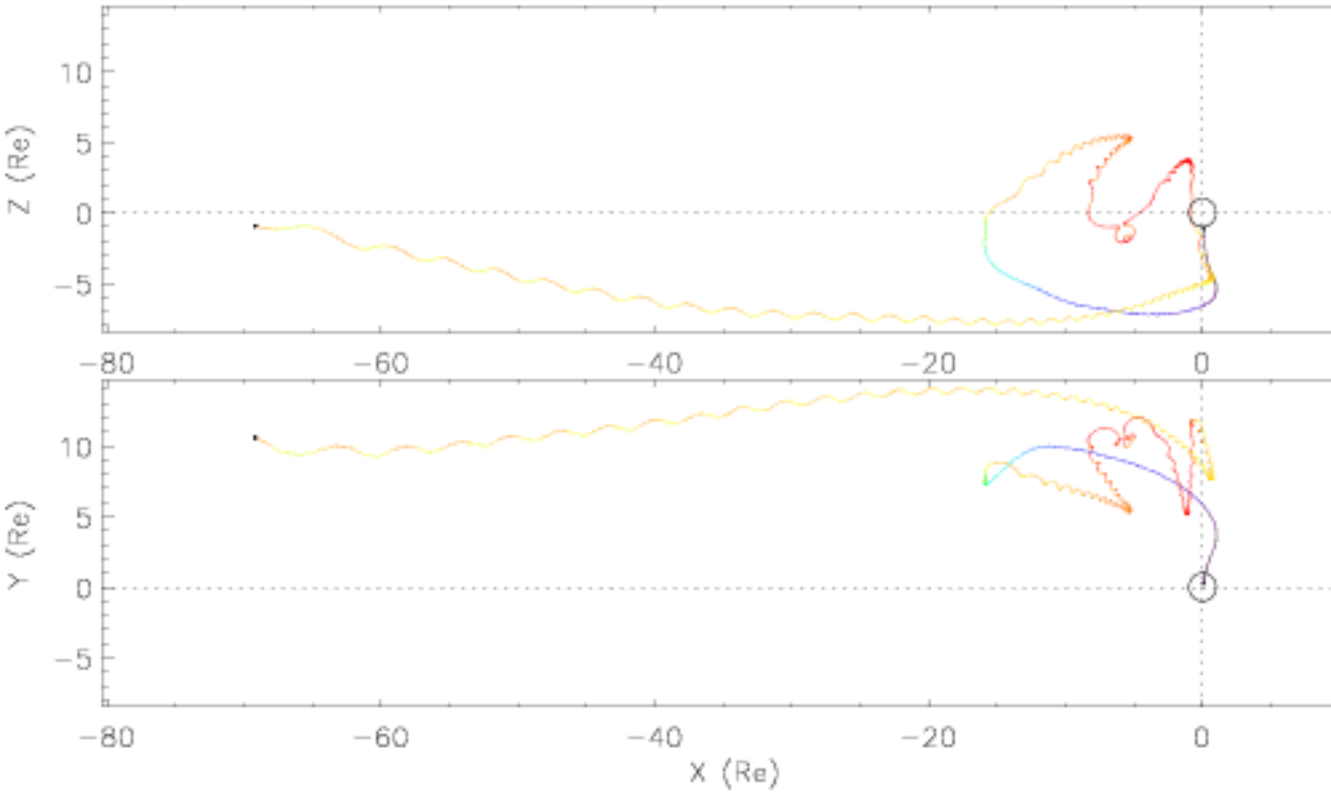

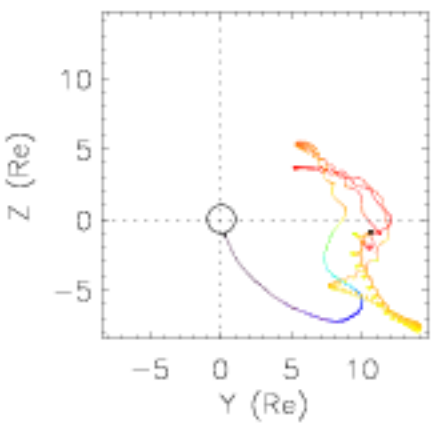

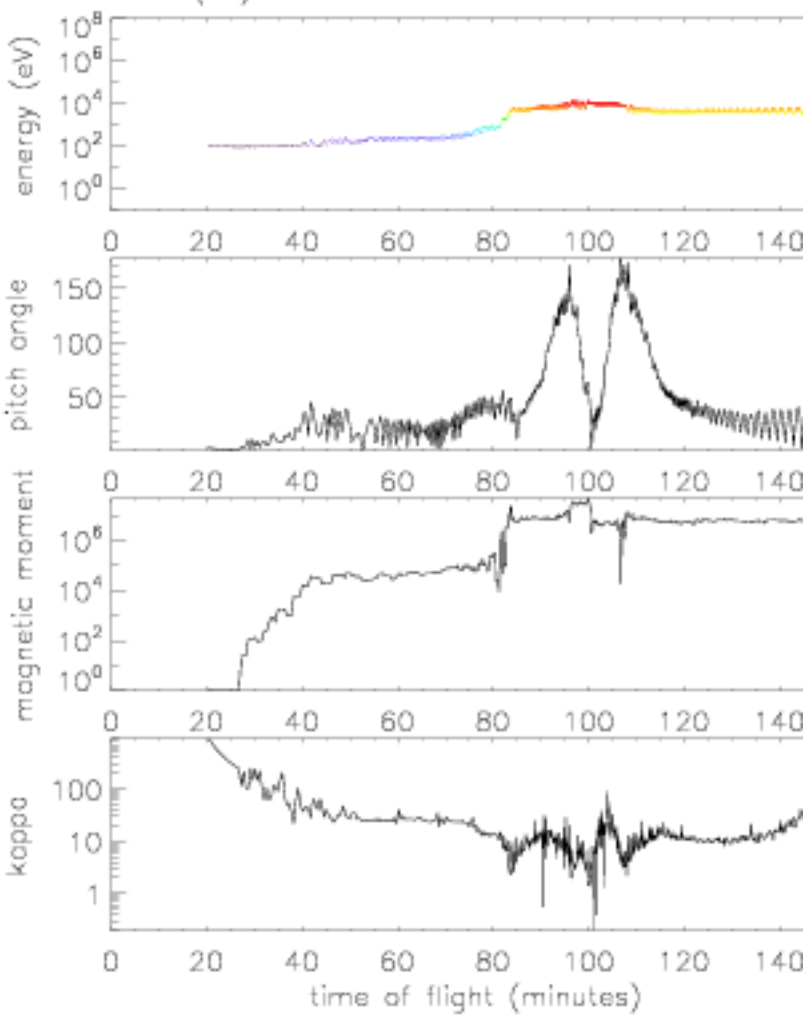

Start, Stop Parameters:

Time (minute): 20.5, 152.9
Magnetic local time: 17.100, 23.420
Magnetic latitude: −77.120, −0.759
Distance (Re): 1.16, 70.00
Energy (eV): 104.50, 6446.00
Pitch angle: 4.041, 45.150
Tilt angle (deg): 0.000

file: particle1174658.full

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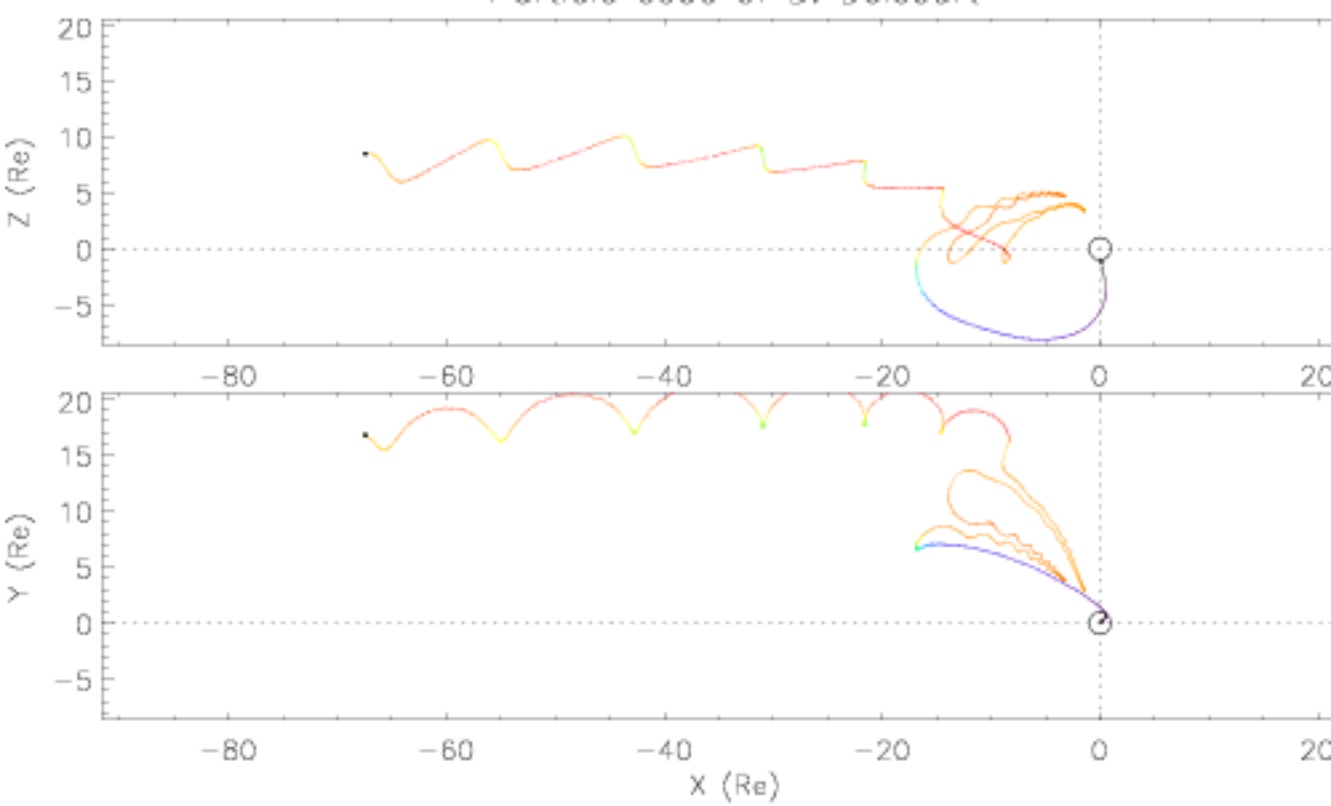

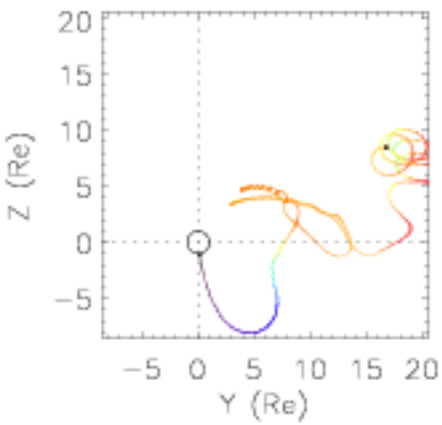

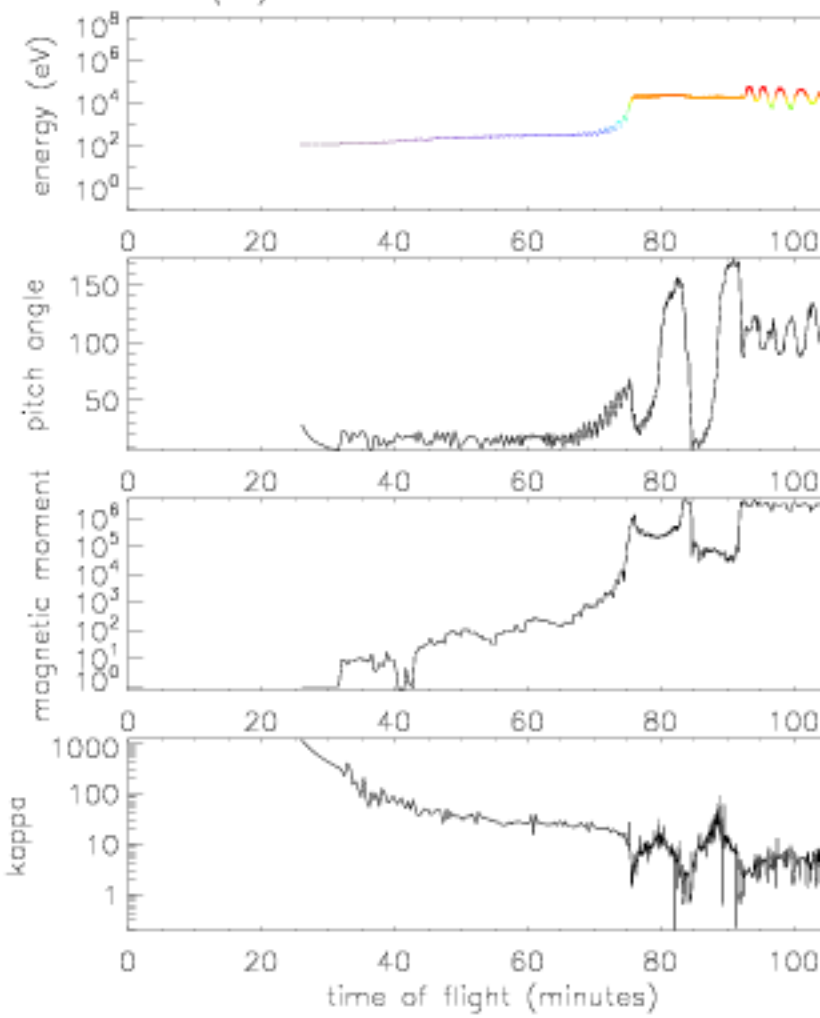

Start, Stop Parameters:

Time (minute): 26.0, 109.7
Magnetic local time: 15.010, 23.070
Magnetic latitude: −81.970, 6.934
Distance (Re): 1.16, 70.01
Energy (eV): 129.00, 20660.00
Pitch angle: 28.540, 131.800
Tilt angle (deg): 0.000

file: particle1178142.full

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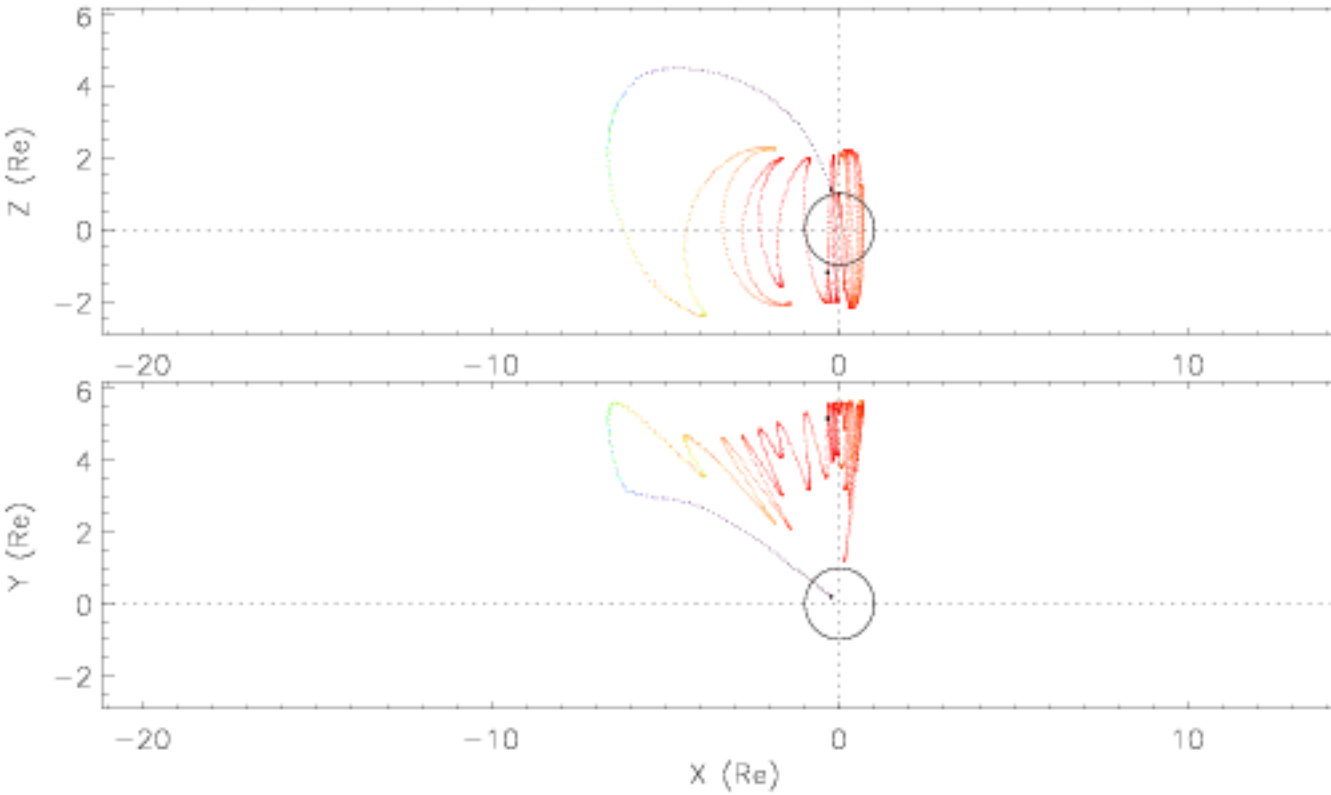

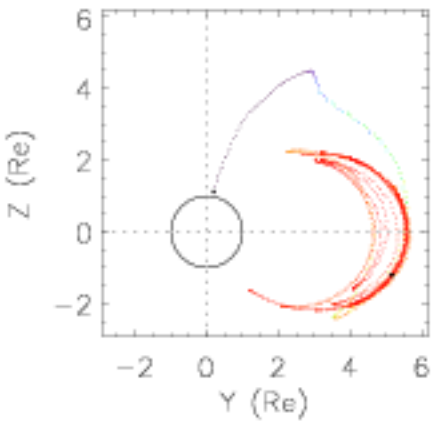

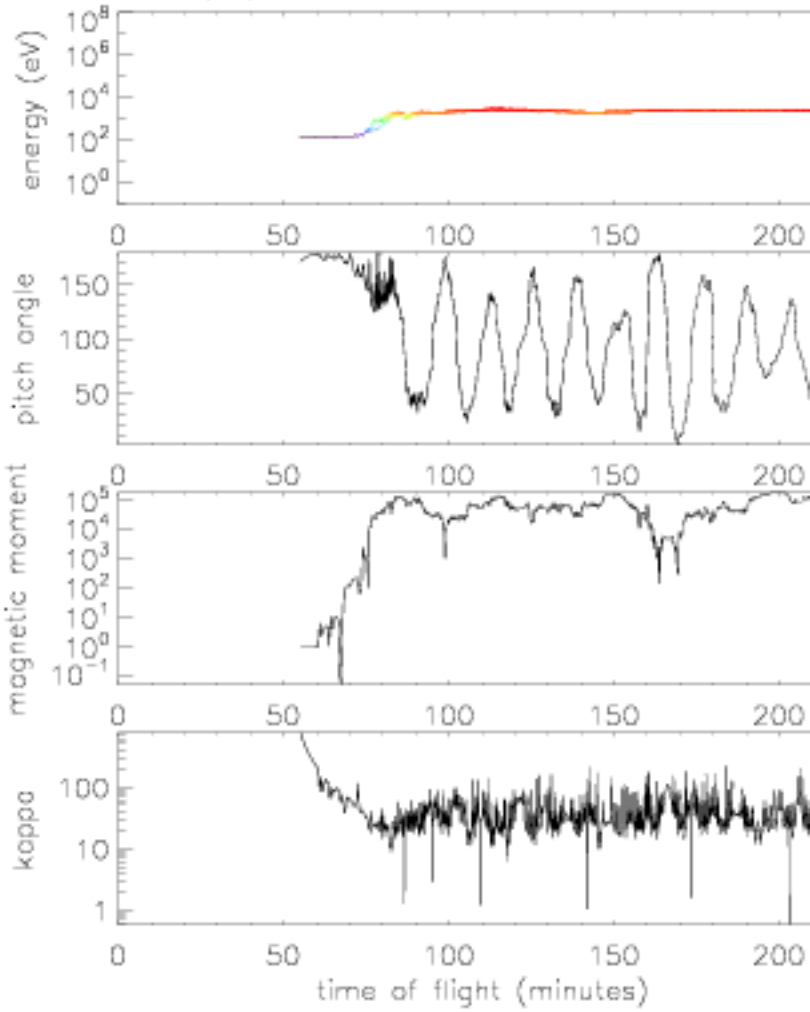

Start, Stop Parameters:

Time (minute): 55.1, 220.8
Magnetic local time: 21.400, 18.250
Magnetic latitude: 74.350,−13.090
Distance (Re): 1.16, 5.31
Energy (eV): 139.70, 2790.00
Pitch angle: 171.000, 42.060
Tilt angle (deg): 0.000

file: particle1183433.full

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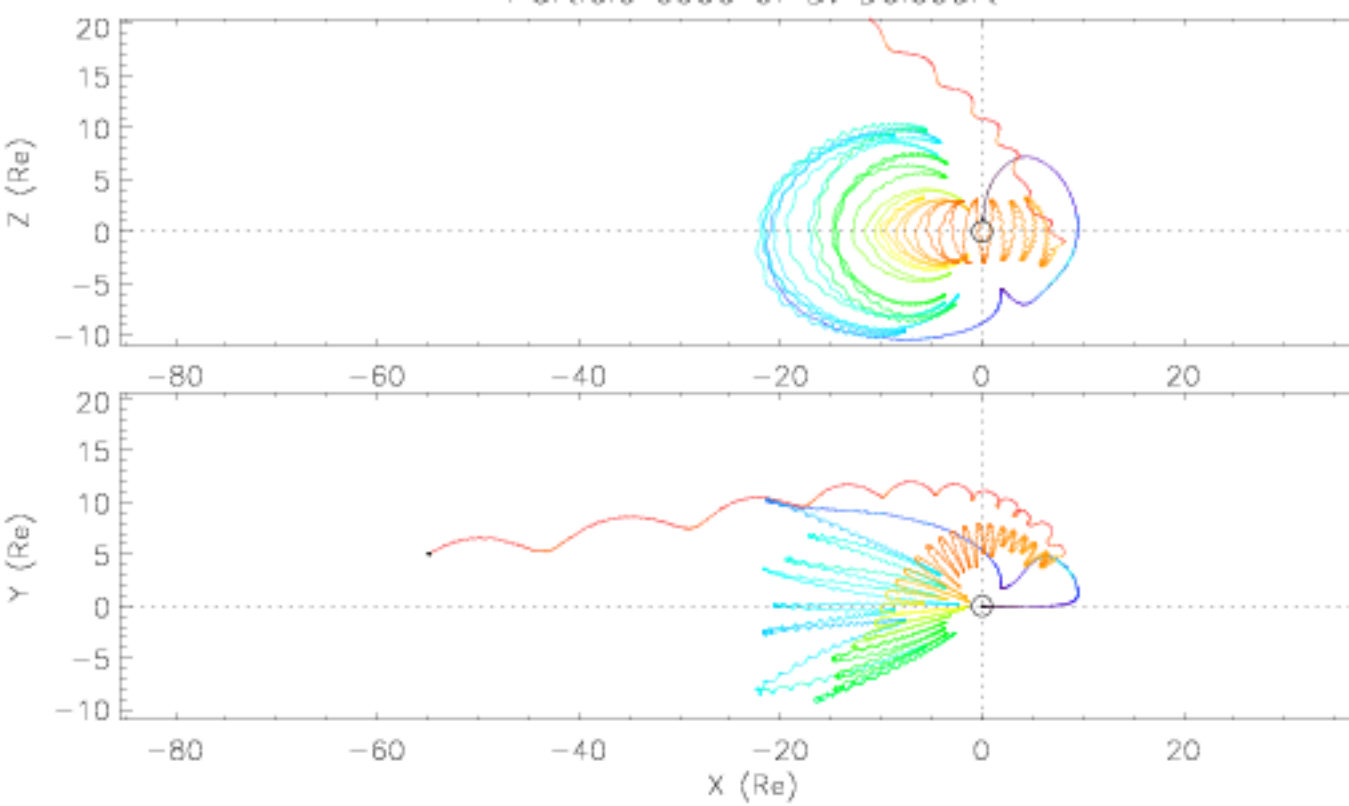

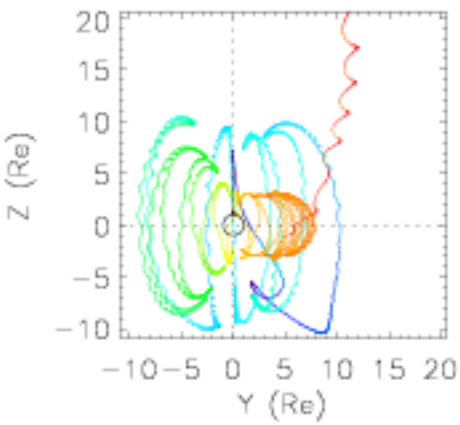

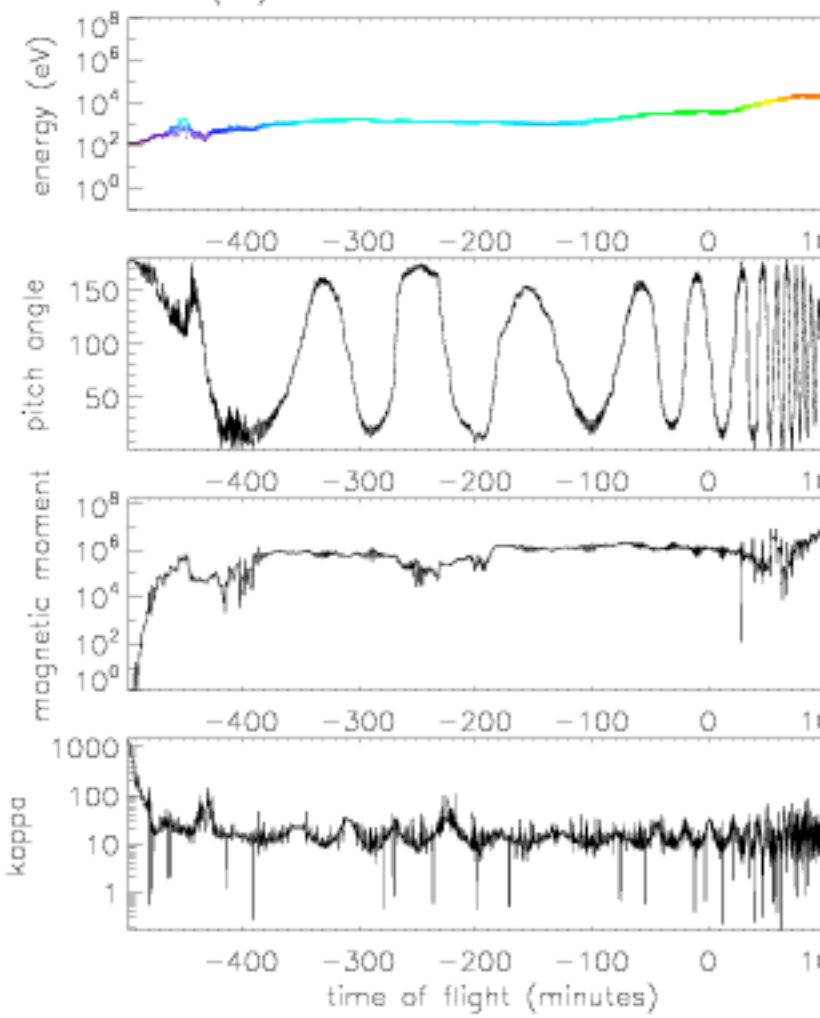

Start, Stop Parameters:

Time (minute): −496.8, 127.8
Magnetic local time: 11.550, 23.650
Magnetic latitude: 85.800, 38.150
Distance (Re): 1.16, 70.01
Energy (eV): 162.00, 35020.00
Pitch angle: 174.800, 150.500
Tilt angle (deg): 0.000

file: particle1191491.full

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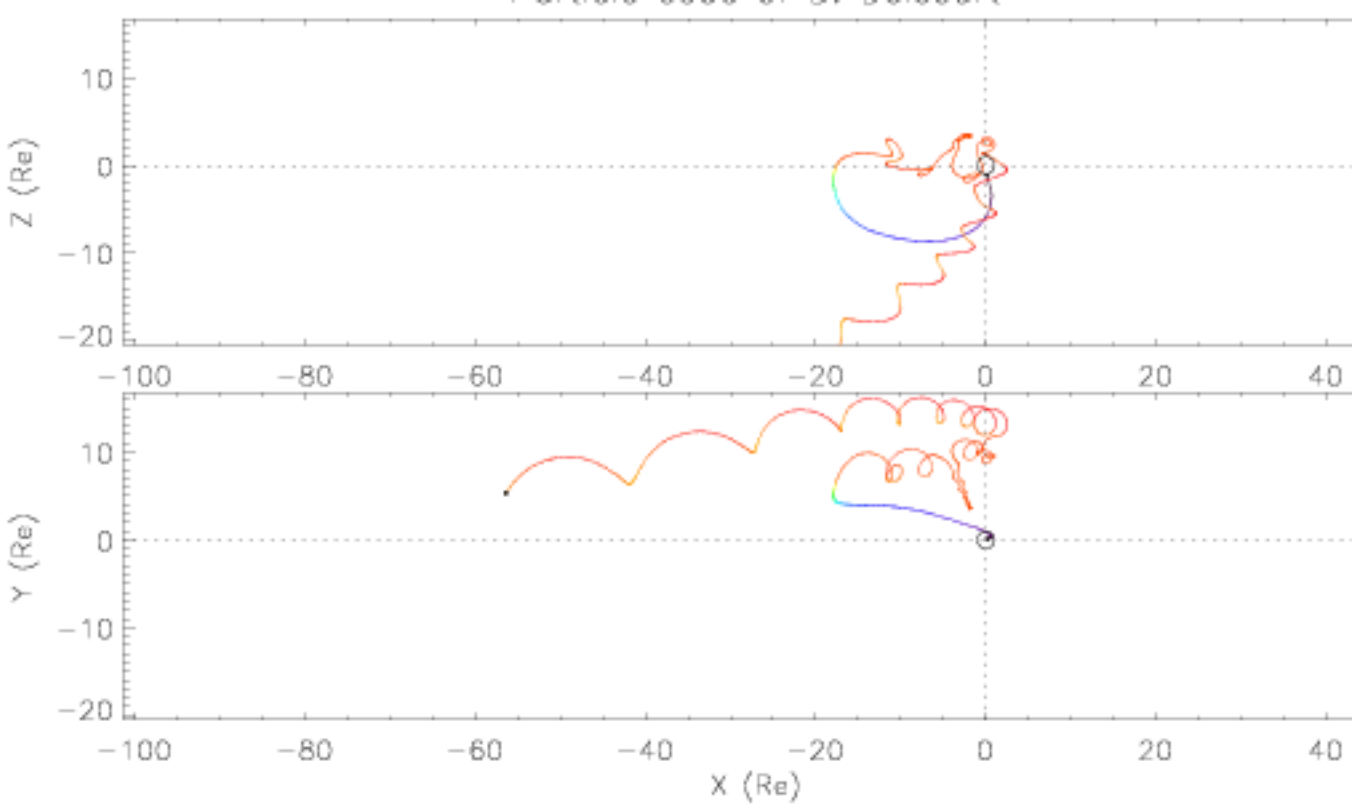

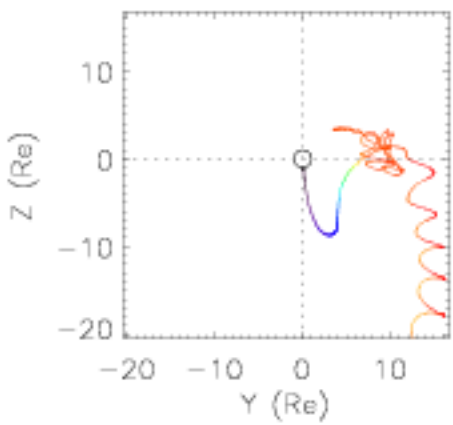

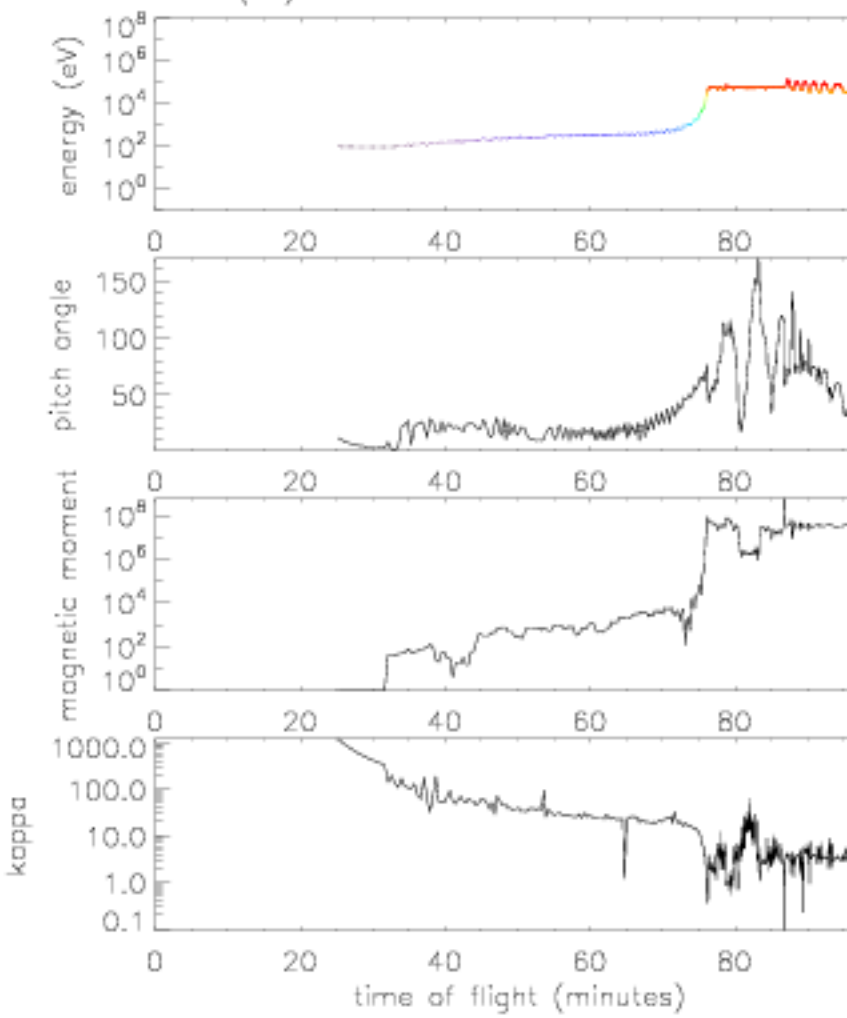

Start, Stop Parameters:

Time (minute): 25.2, 100.8
Magnetic local time: 13.630, 23.640
Magnetic latitude: −82.060, −36.000
Distance (Re): 1.16, 70.00
Energy (eV): 100.40, 40030.00
Pitch angle: 11.960, 37.280
Tilt angle (deg): 0.000

file: particle1199982.full

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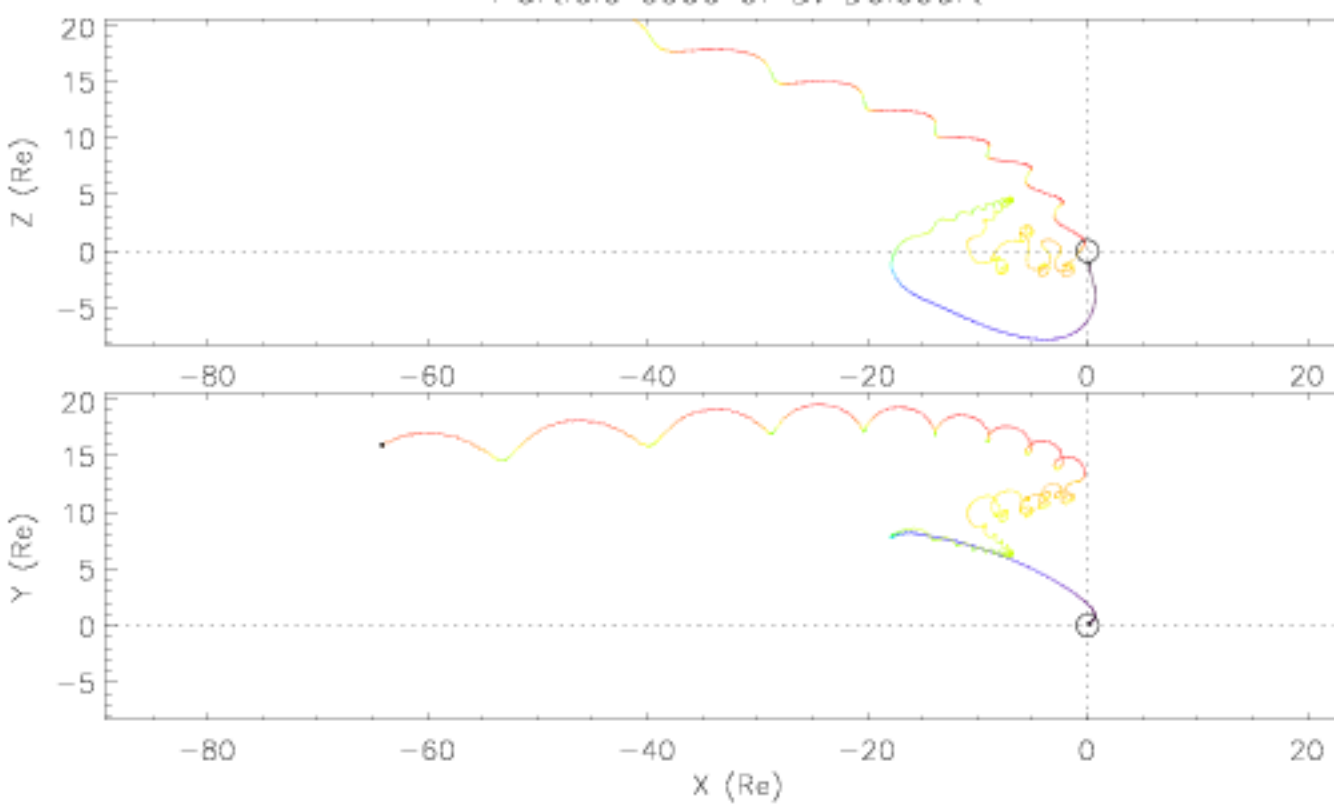

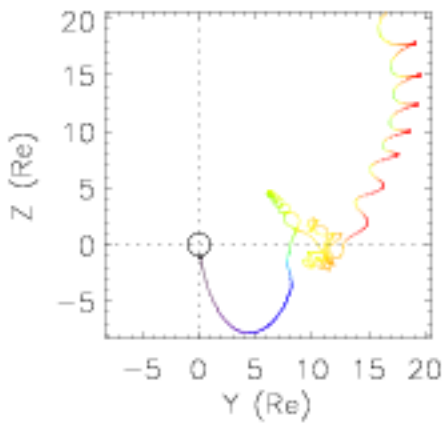

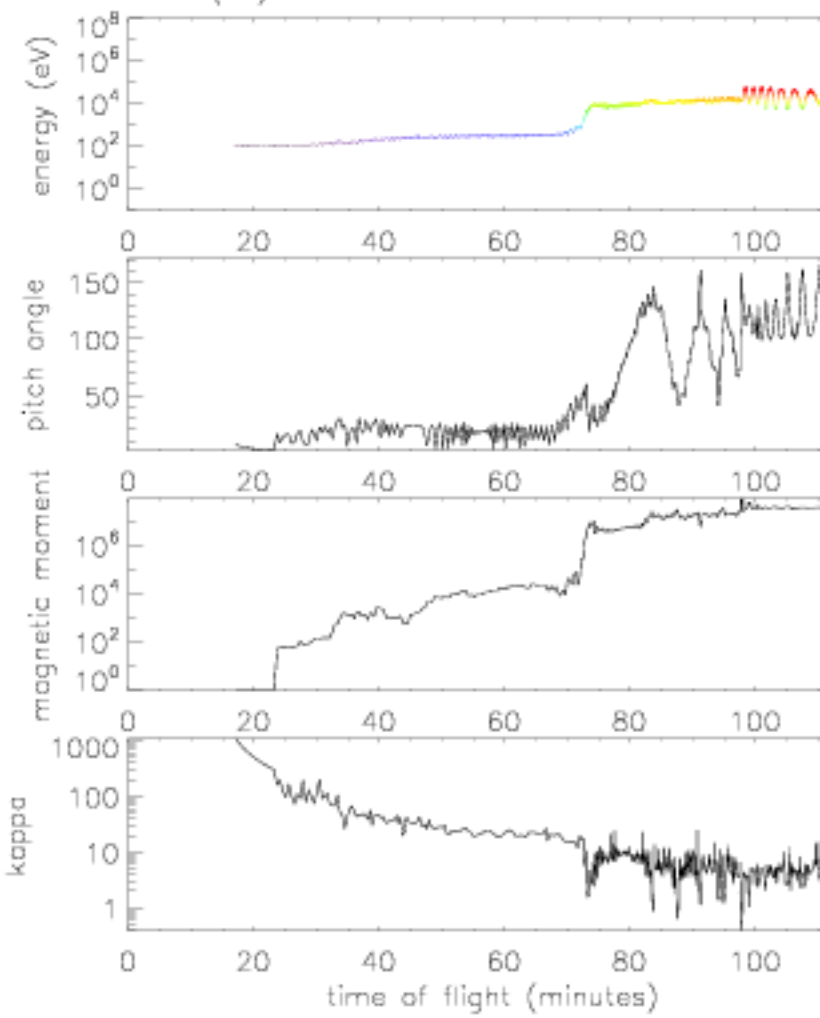

Start, Stop Parameters:

Time (minute): 17.1, 116.4
Magnetic local time: 14.740, 23.070
Magnetic latitude: −80.810, 19.320
Distance (Re): 1.16, 70.00
Energy (eV): 107.90, 23420.00
Pitch angle: 6.793, 117.600
Tilt angle (deg): 0.000

file: particle1210232.full

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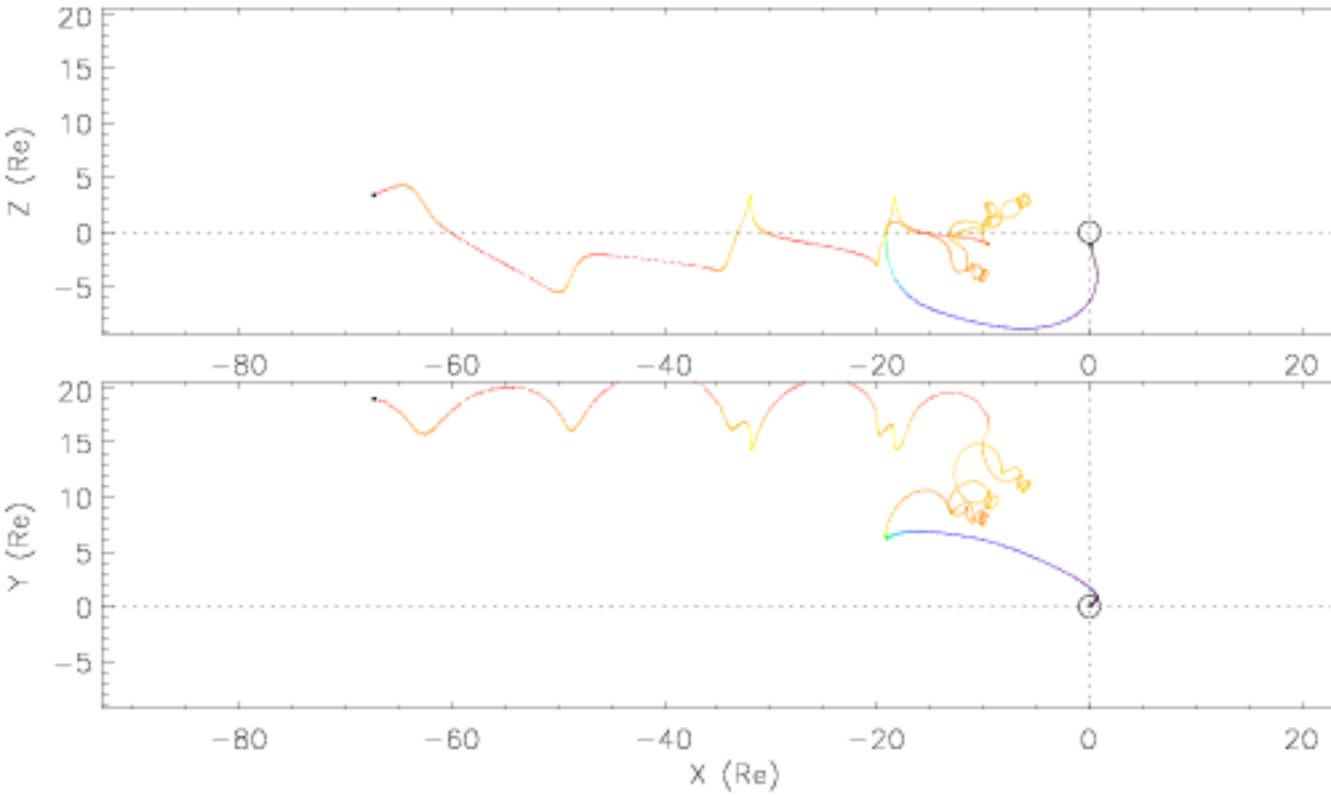

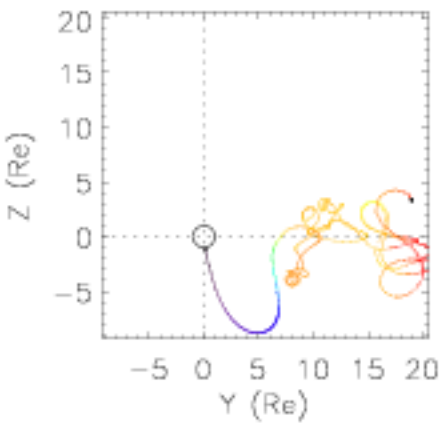

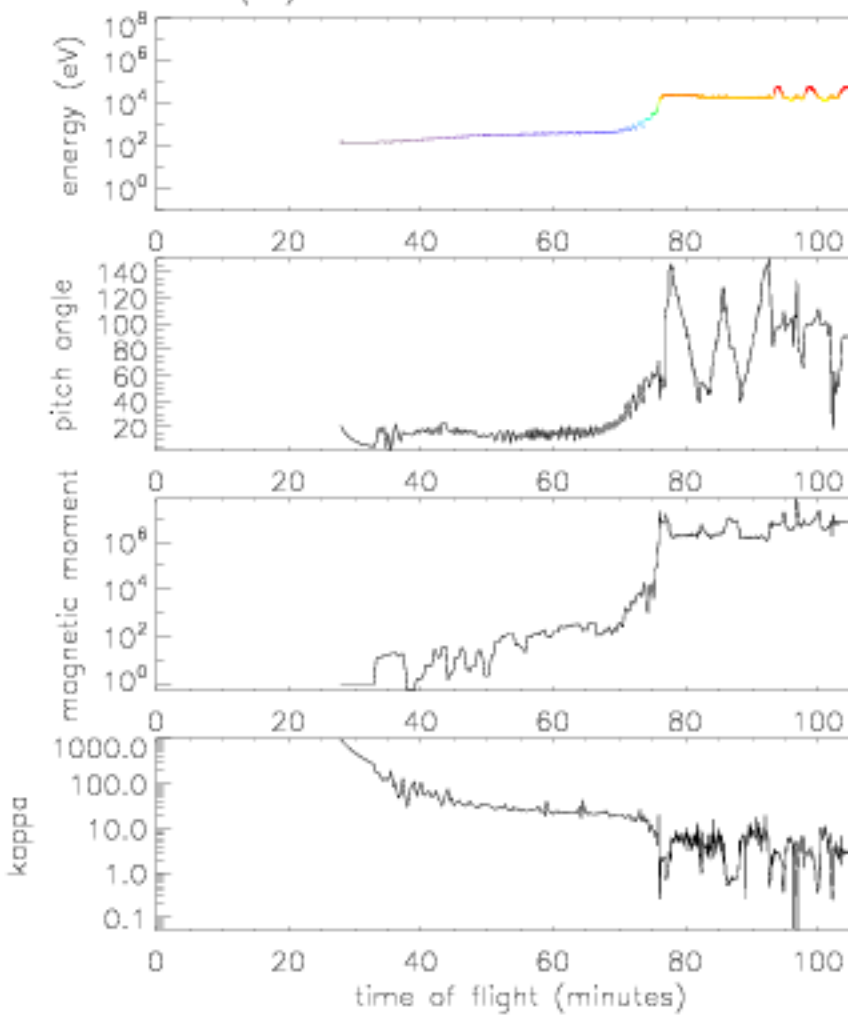

Start, Stop Parameters:

Time (minute): 27.9, 110.3
Magnetic local time: 14.720, 22.950
Magnetic latitude: −80.790, 2.752
Distance (Re): 1.16, 70.01
Energy (eV): 162.40, 40920.00
Pitch angle: 20.840, 115.400
Tilt angle (deg): 0.000

file: particle1232252.full

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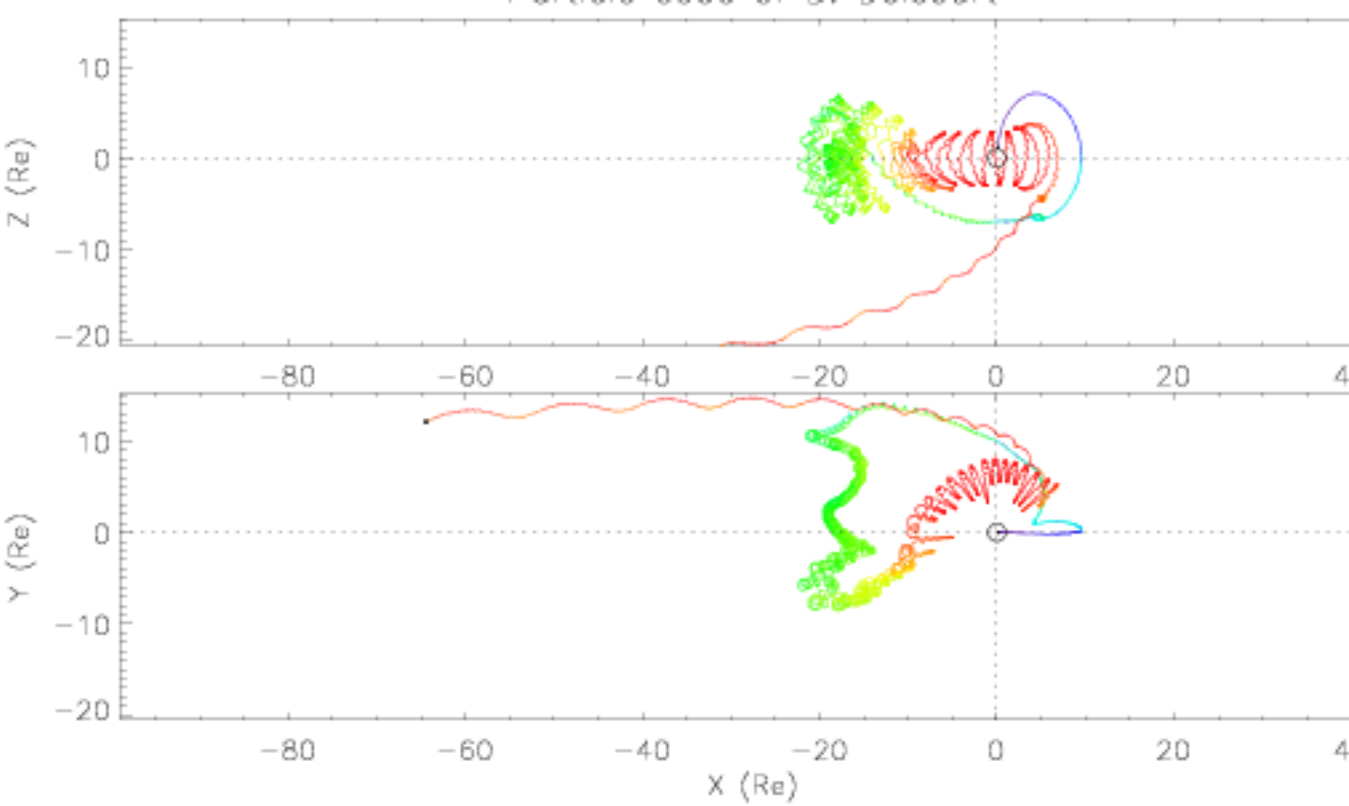

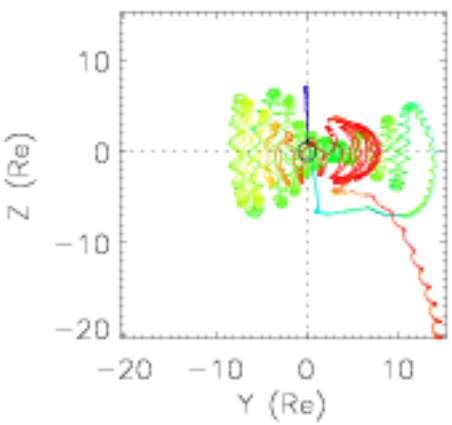

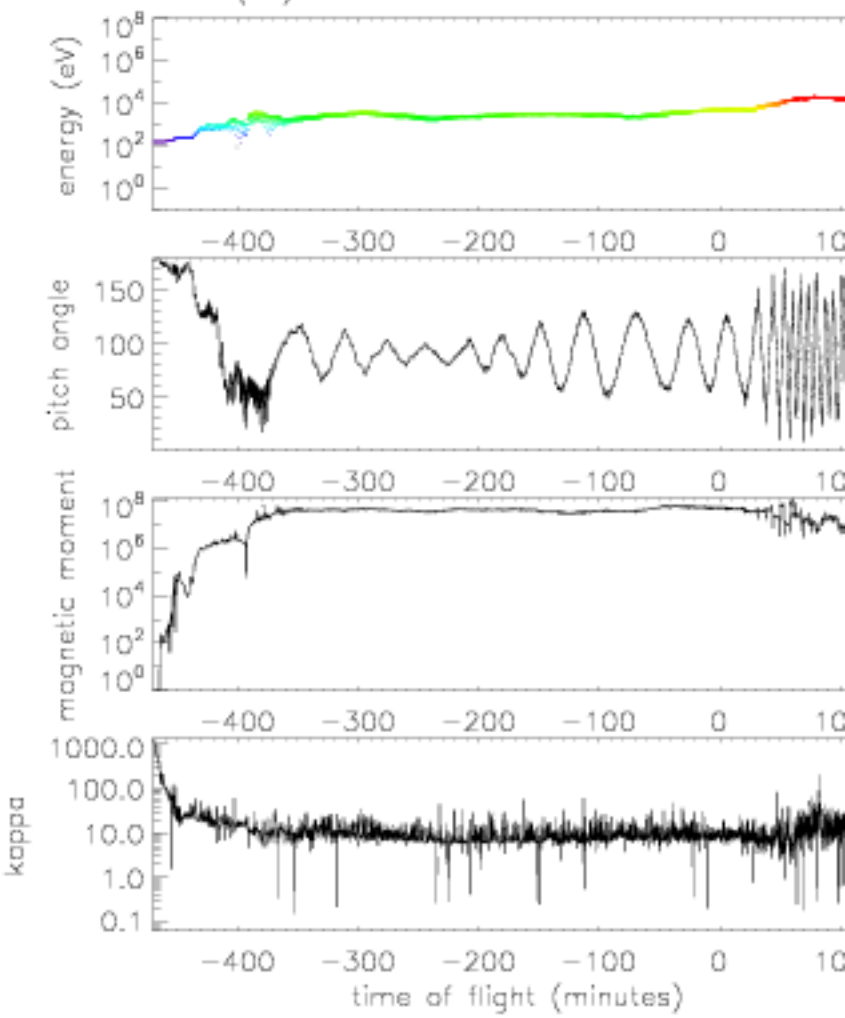

Start, Stop Parameters:

Time (minute): −470.0, 135.9
Magnetic local time: 11.560, 23.290
Magnetic latitude: 84.760,−20.540
Distance (Re): 1.16, 70.01
Energy (eV): 171.40, 12490.00
Pitch angle: 177.700, 16.140
Tilt angle (deg): 0.000

file: particle1232941.full

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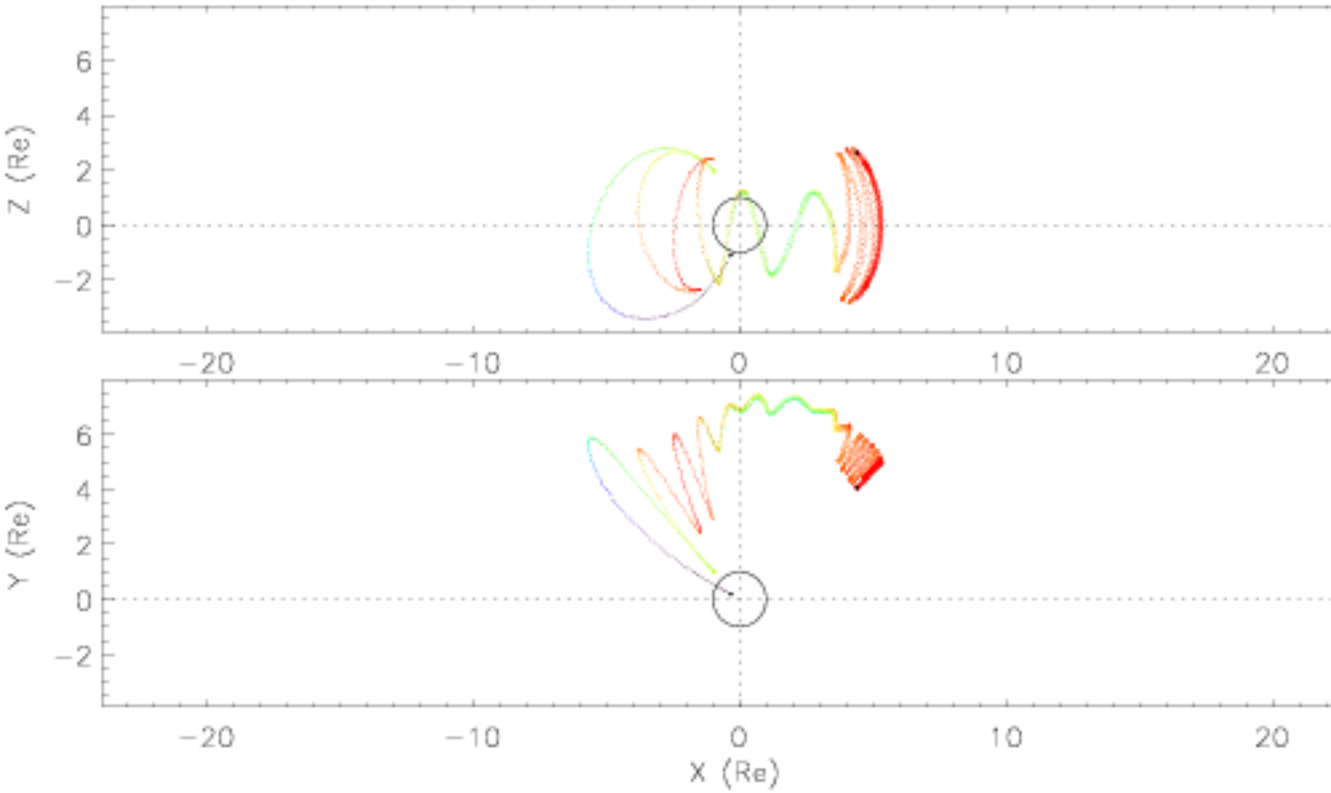

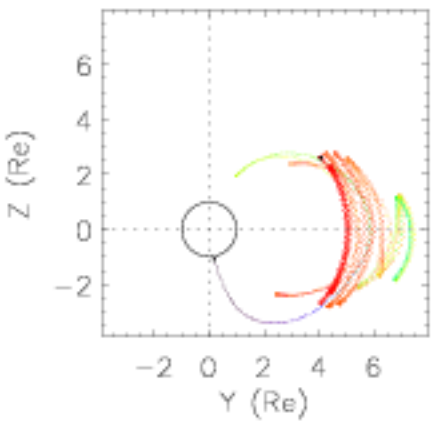

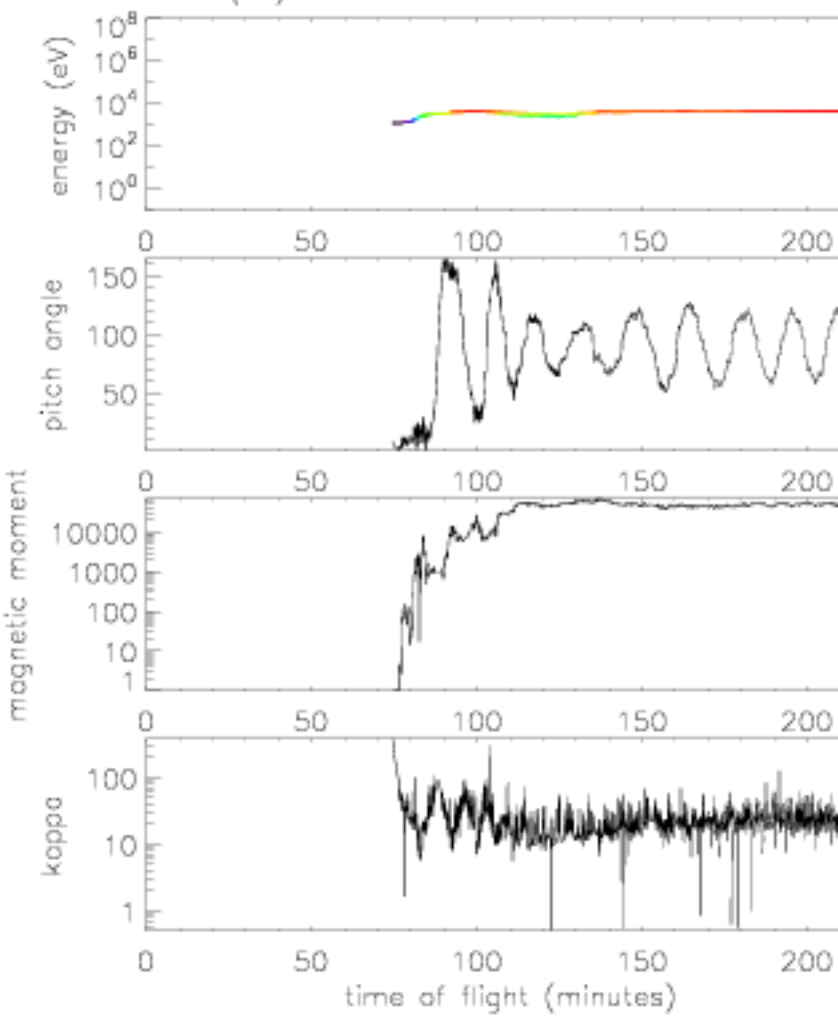

Start, Stop Parameters:

Time (minute): 74.5, 220.8
Magnetic local time: 22.010, 14.850
Magnetic latitude: −70.760, 23.500
Distance (Re): 1.16, 6.55
Energy (eV): 1258.00, 4960.00
Pitch angle: 8.948, 100.300
Tilt angle (deg): 0.000

file: particle1238408.full

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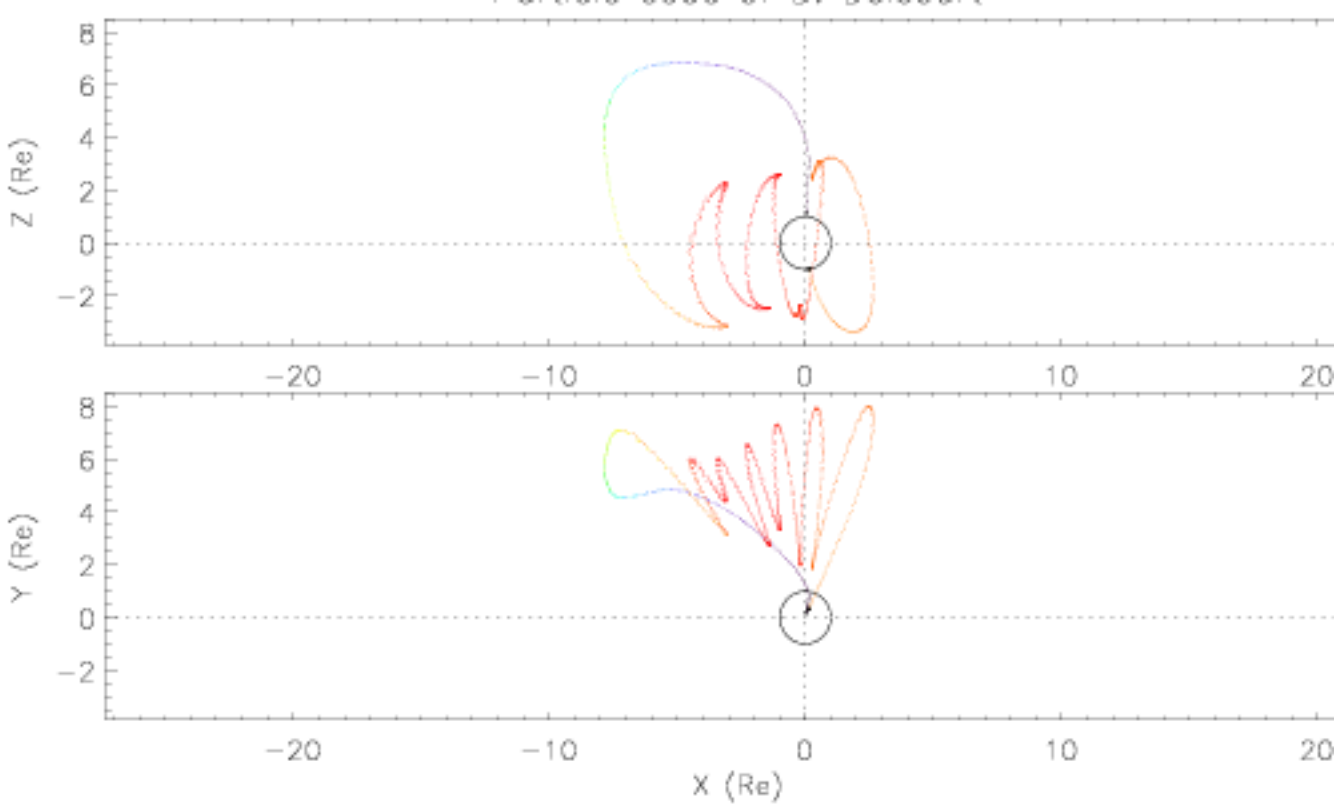

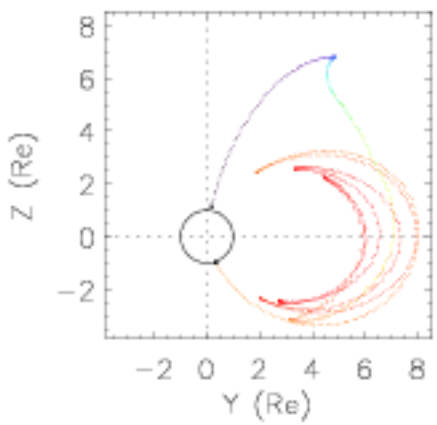

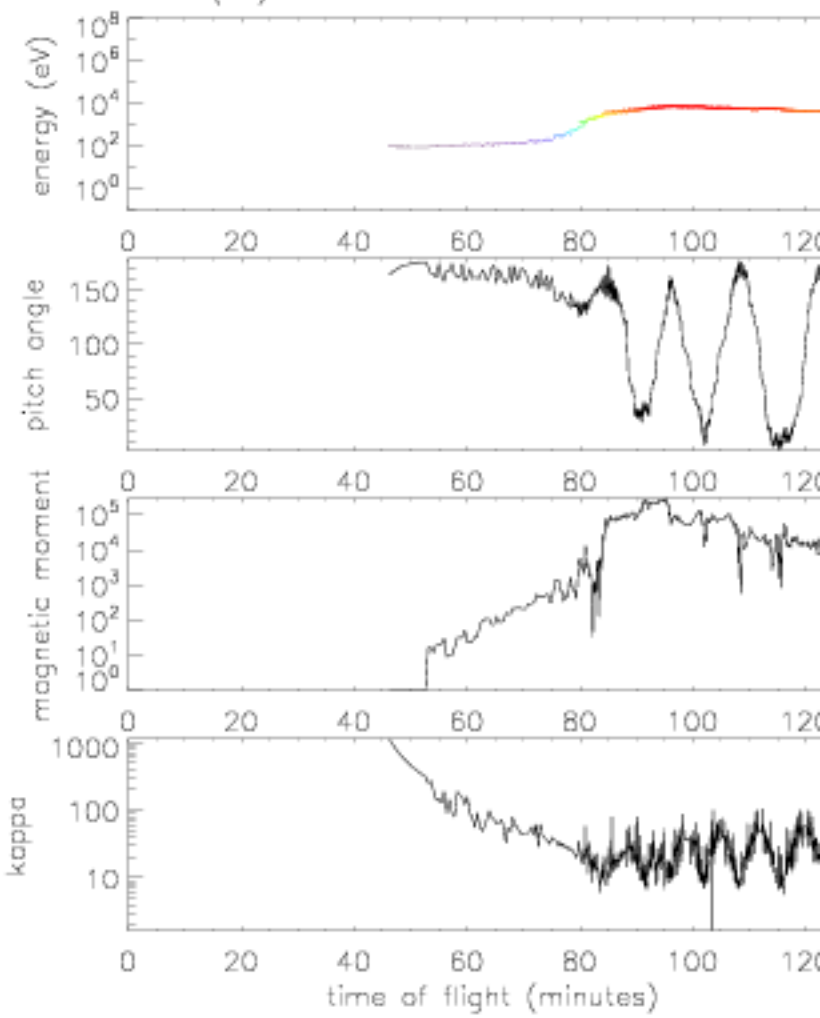

Start, Stop Parameters:

Time (minute): 46.2, 129.3
Magnetic local time: 17.190, 16.420
Magnetic latitude: 81.130,−69.900
Distance (Re): 1.16, 1.05
Energy (eV): 101.50, 4363.00
Pitch angle: 164.400, 157.100
Tilt angle (deg): 0.000

file: particle1242369.full

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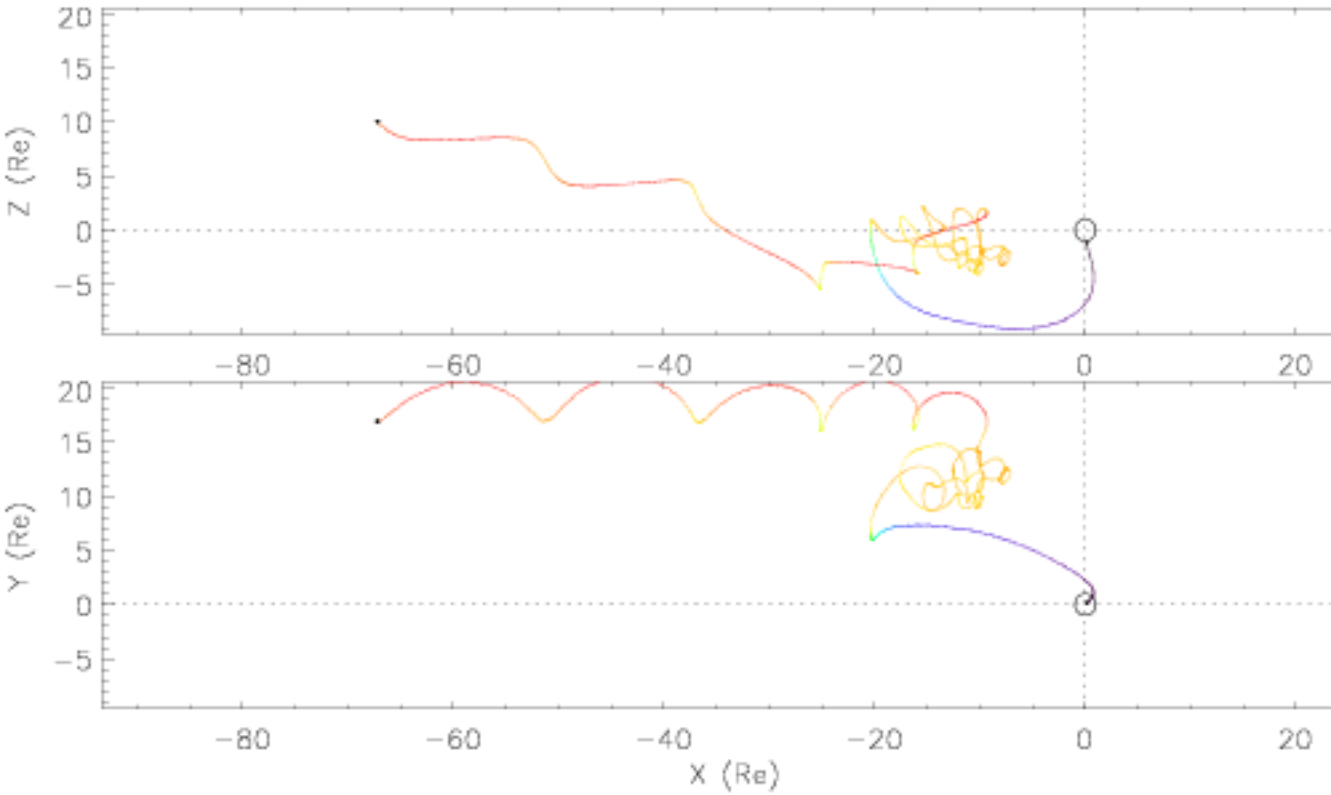

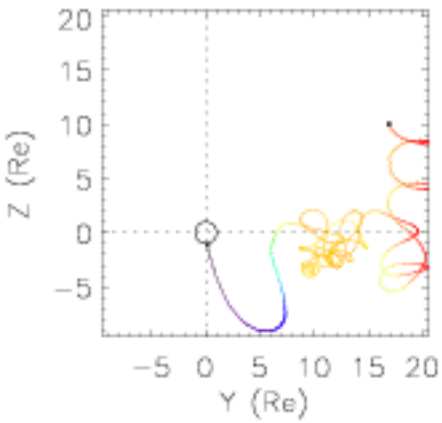

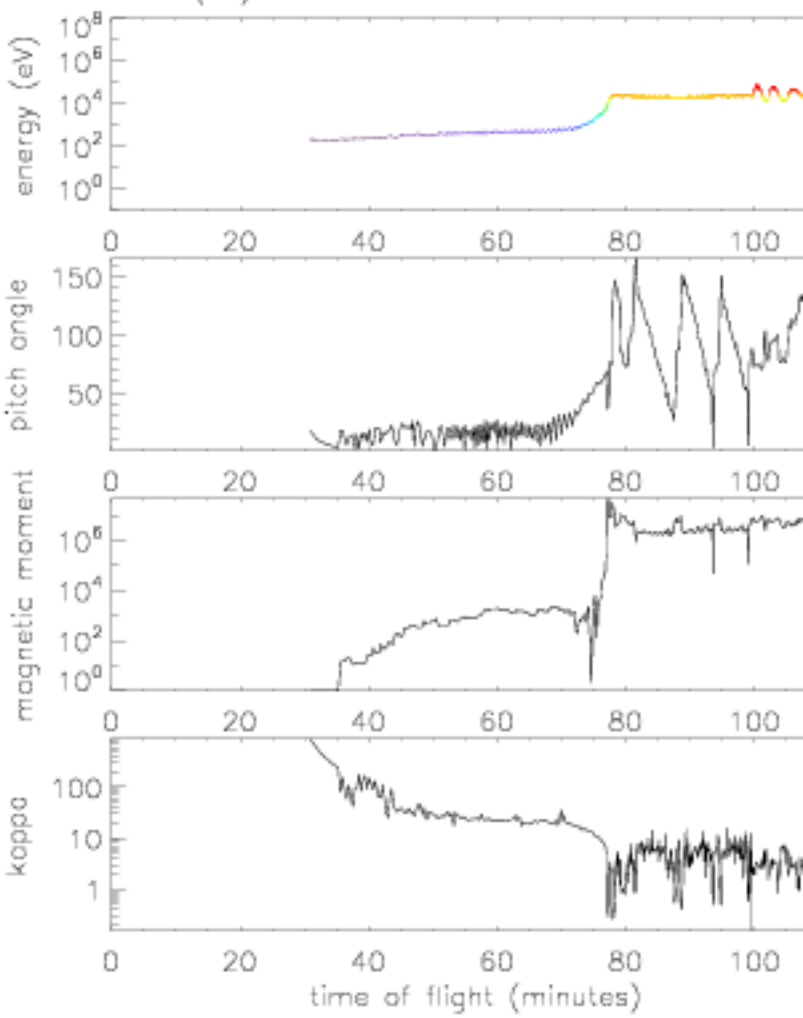

Start, Stop Parameters:

Time (minute): 31.0, 113.5
Magnetic local time: 14.890, 23.060
Magnetic latitude: −79.960, 8.218
Distance (Re): 1.16, 70.01
Energy (eV): 216.30, 35400.00
Pitch angle: 17.420, 143.100
Tilt angle (deg): 0.000

file: particle1253508.full

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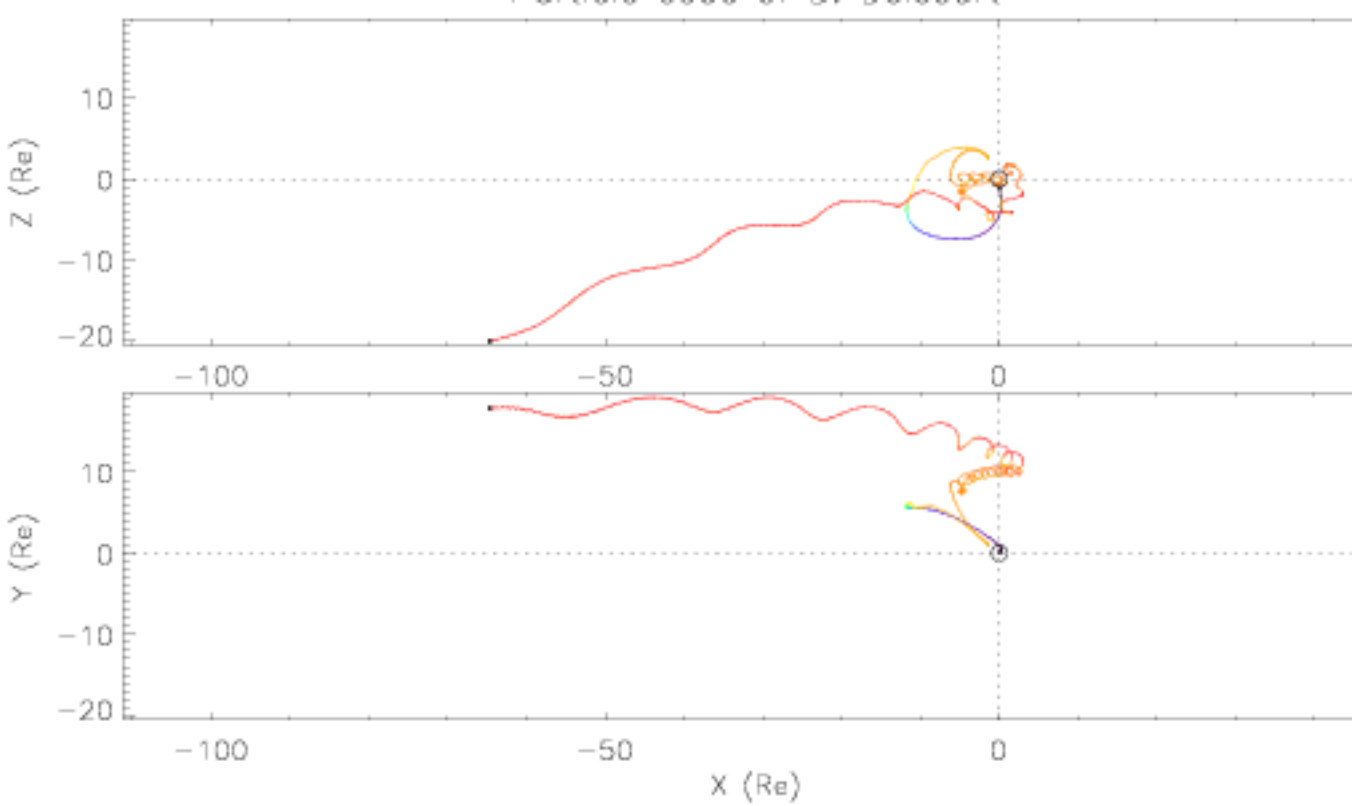

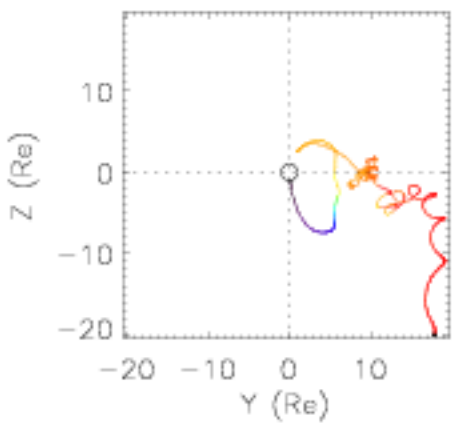

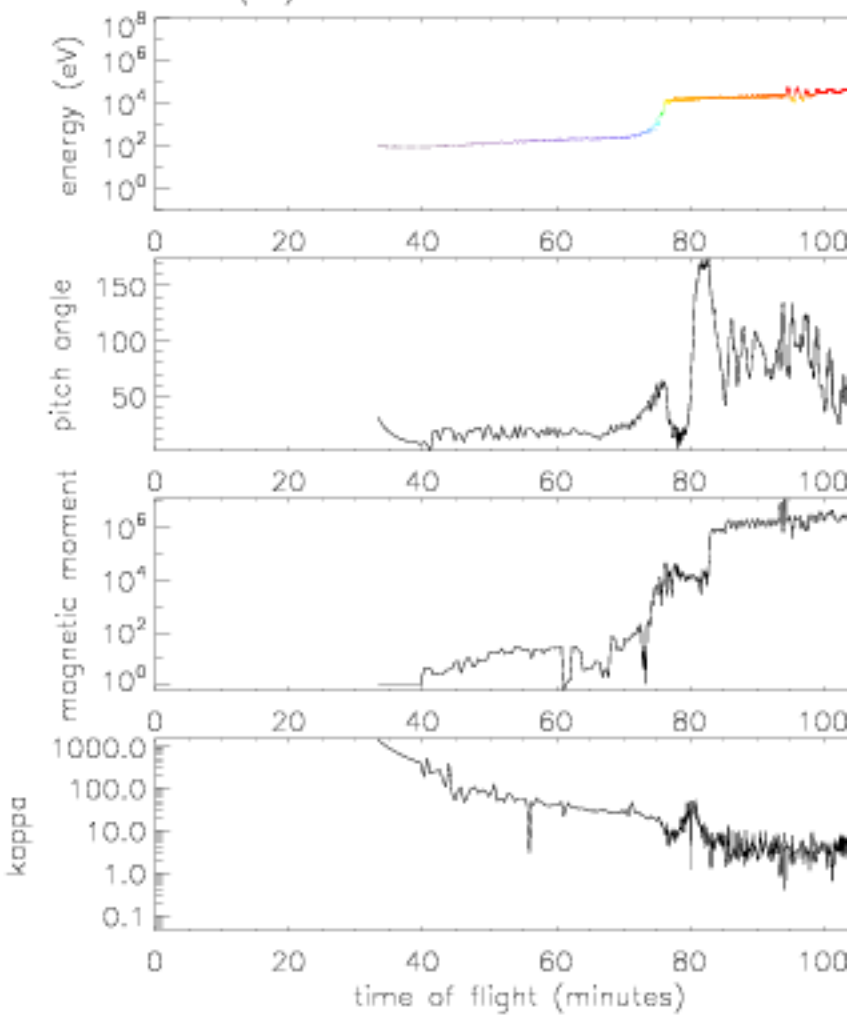

Start, Stop Parameters:

Time (minute): 33.3, 109.2
Magnetic local time: 15.840, 22.970
Magnetic latitude: −83.610, −16.620
Distance (Re): 1.16, 70.01
Energy (eV): 100.70, 47700.00
Pitch angle: 30.290, 45.080
Tilt angle (deg): 0.000

file: particle1254636.full

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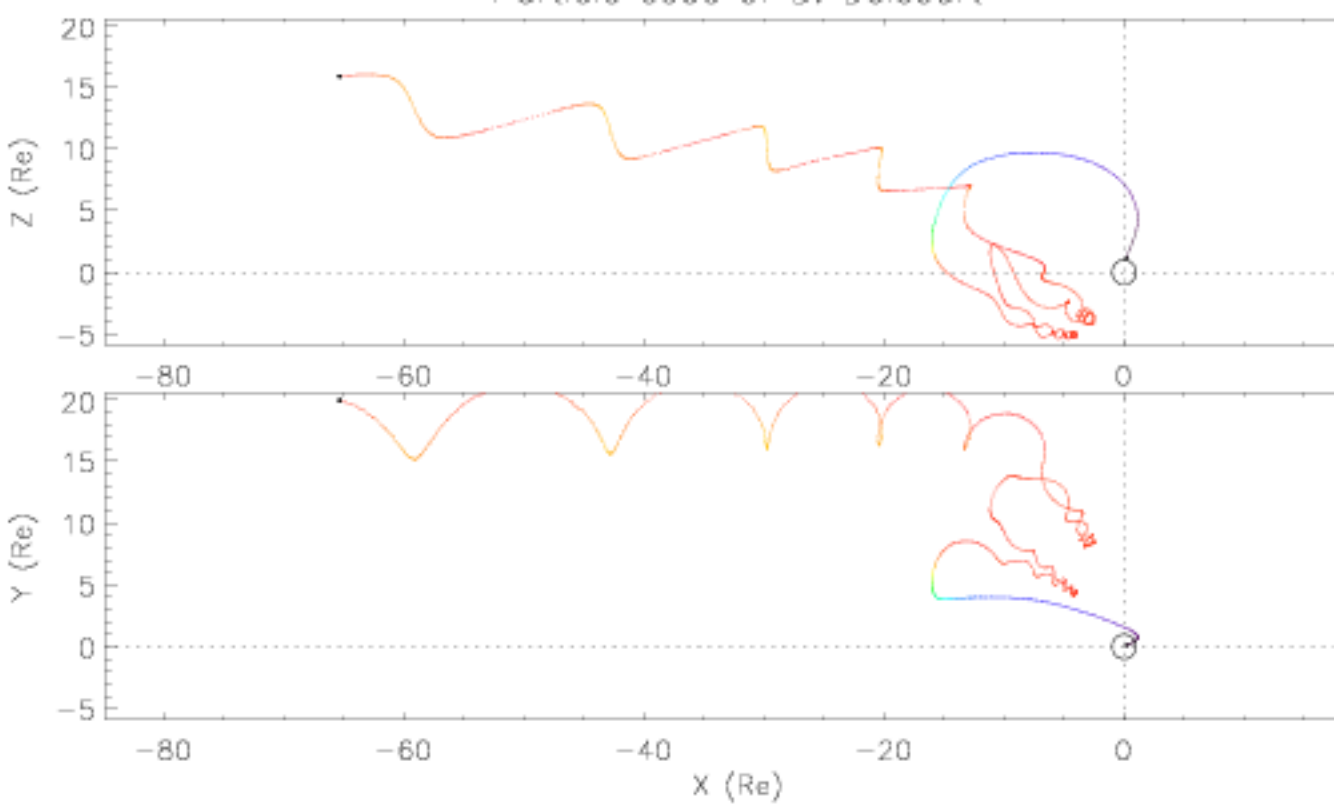

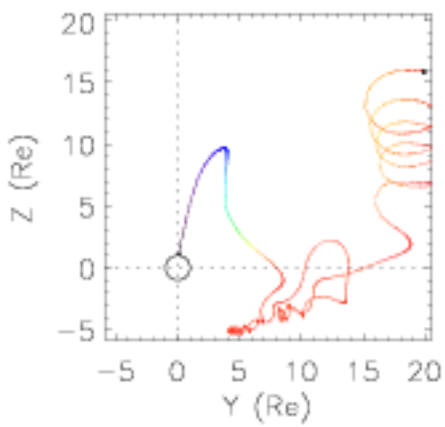

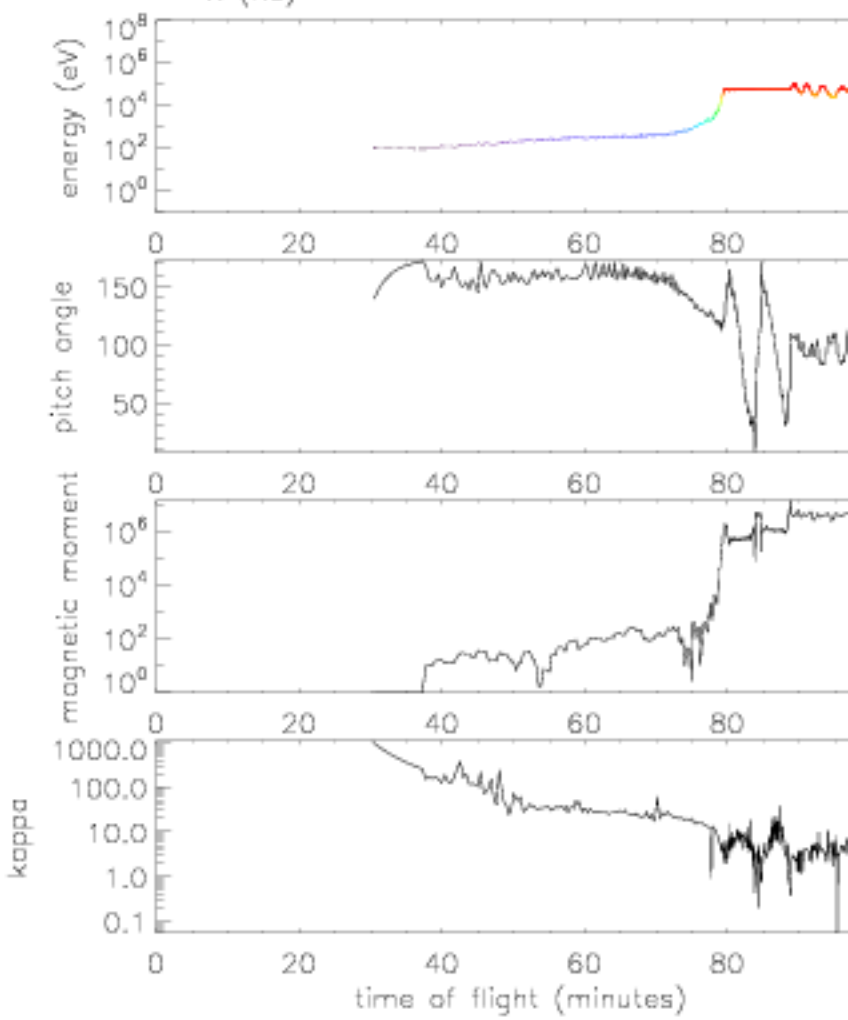

Start, Stop Parameters:

Time (minute): 30.5, 102.2
Magnetic local time: 13.690, 22.870
Magnetic latitude: 78.400, 13.060
Distance (Re): 1.16, 70.11
Energy (eV): 104.30, 65470.00
Pitch angle: 139.800, 96.640
Tilt angle (deg): 0.000

file: particle1262903.full

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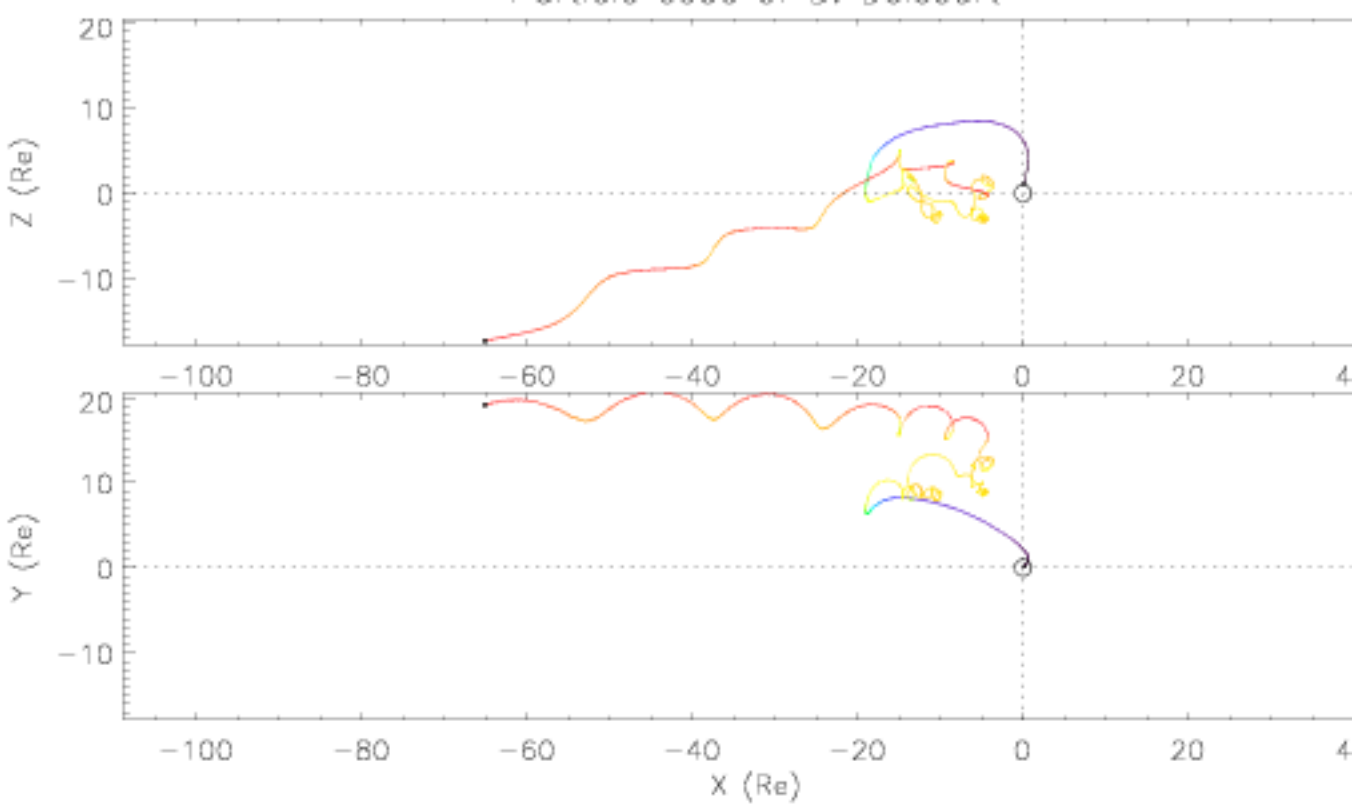

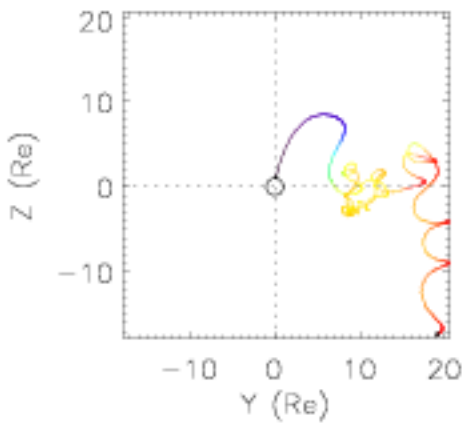

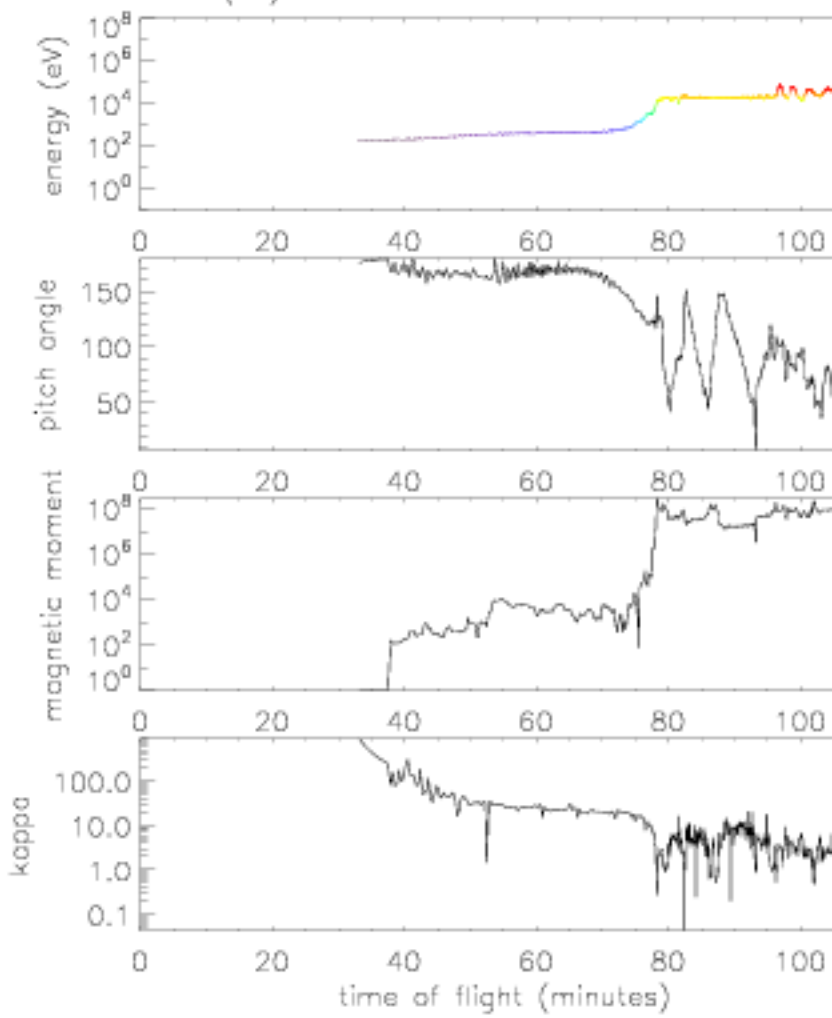

Start, Stop Parameters:

Time (minute): 33.2, 110.6
Magnetic local time: 15.320, 22.910
Magnetic latitude: 80.500,−14.330
Distance (Re): 1.16, 70.00
Energy (eV): 209.60, 49460.00
Pitch angle: 175.600, 59.360
Tilt angle (deg): 0.000

file: particle1263013.full

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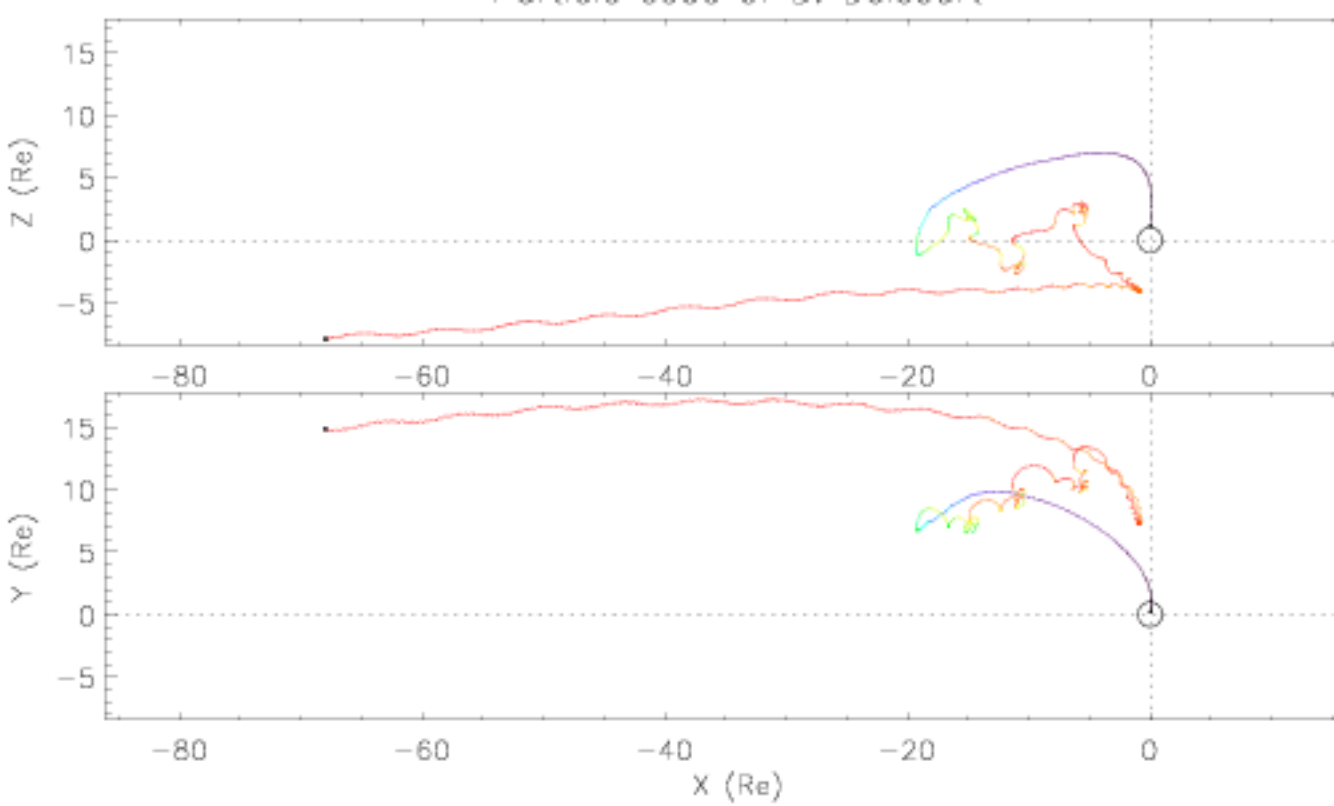

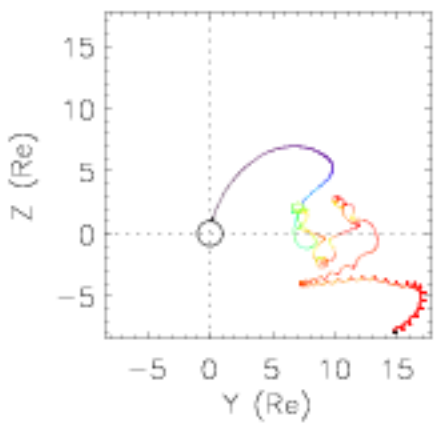

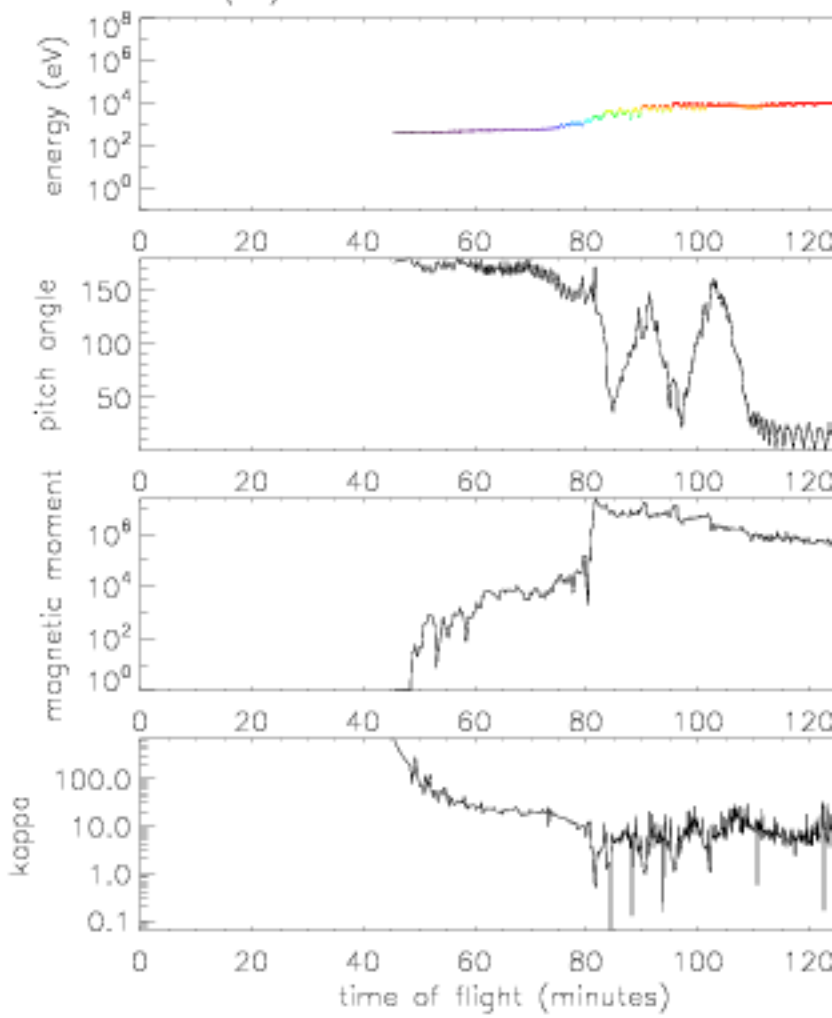

Start, Stop Parameters:

Time (minute): 45.5, 130.9
Magnetic local time: 17.490, 23.180
Magnetic latitude: 79.040, −6.487
Distance (Re): 1.16, 70.01
Energy (eV): 454.30, 10610.00
Pitch angle: 175.500, 4.553
Tilt angle (deg): 0.000

file: particle1266181.full

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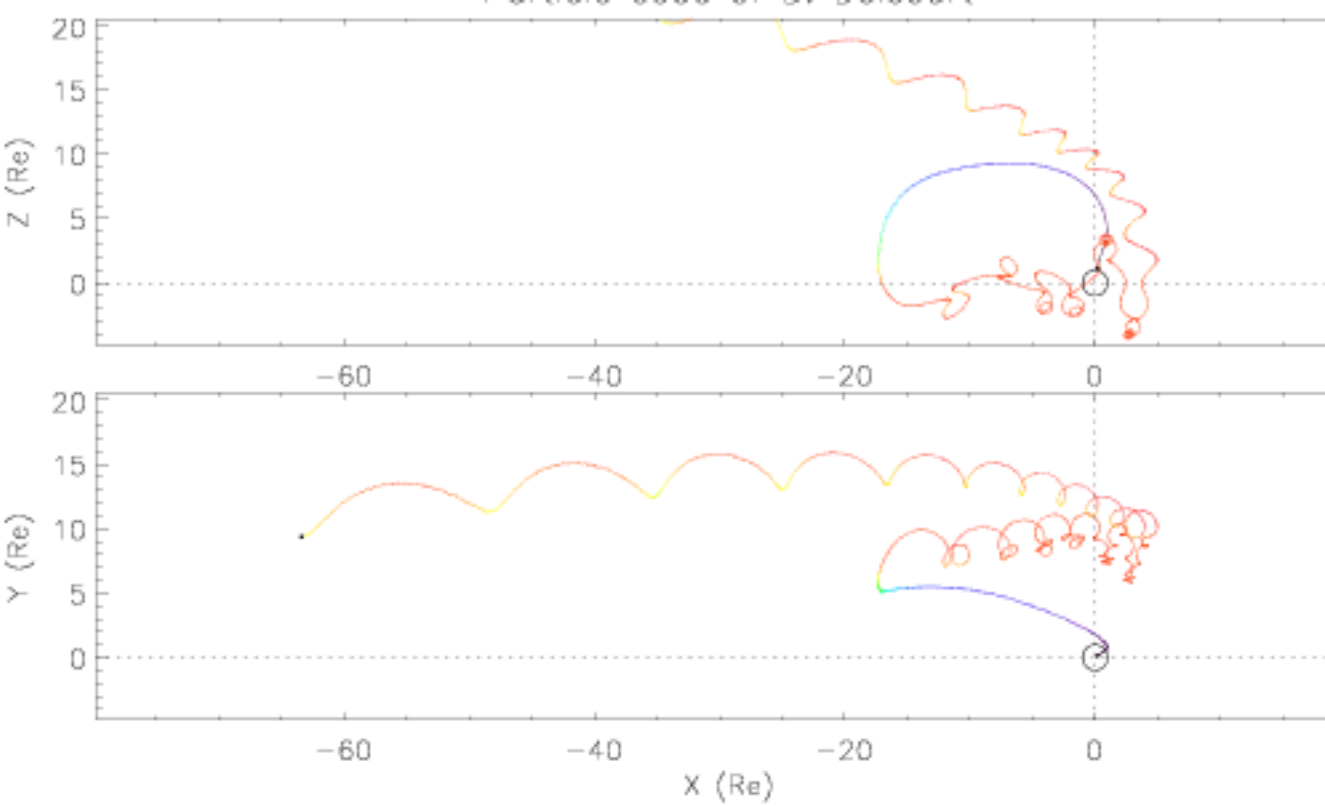
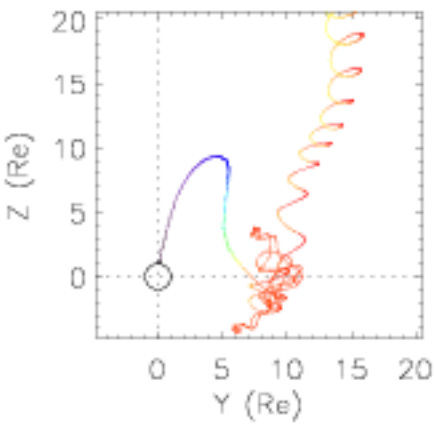
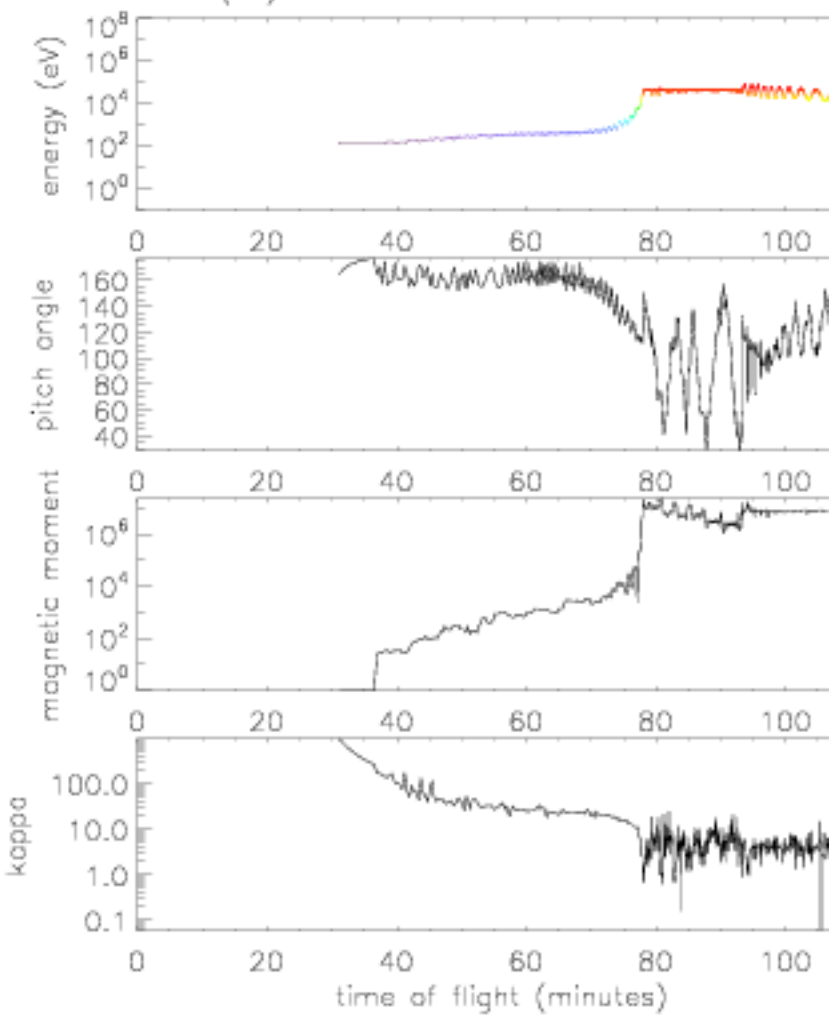




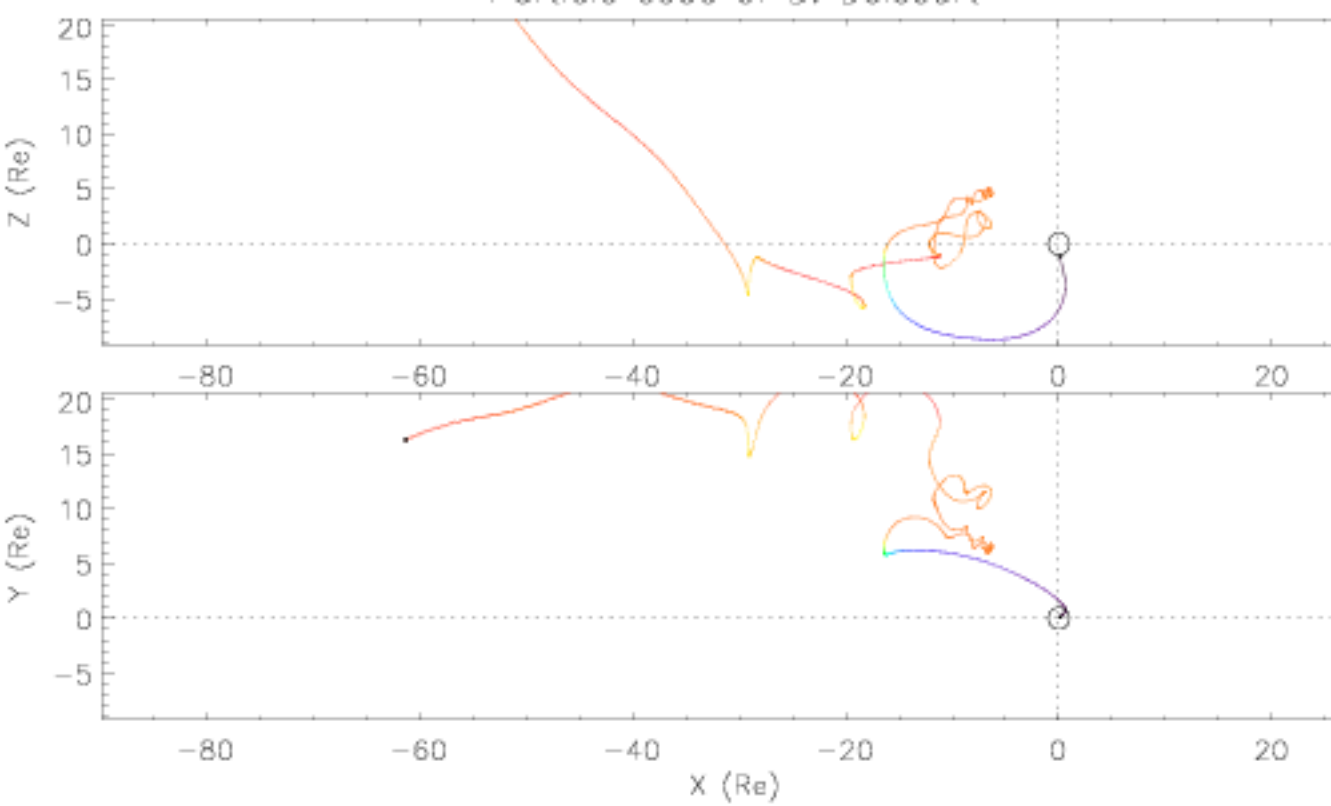


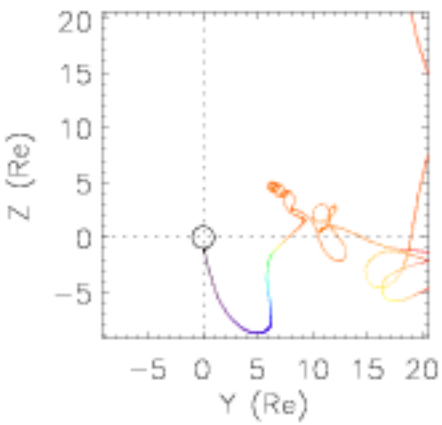
Start, Stop Parameters:

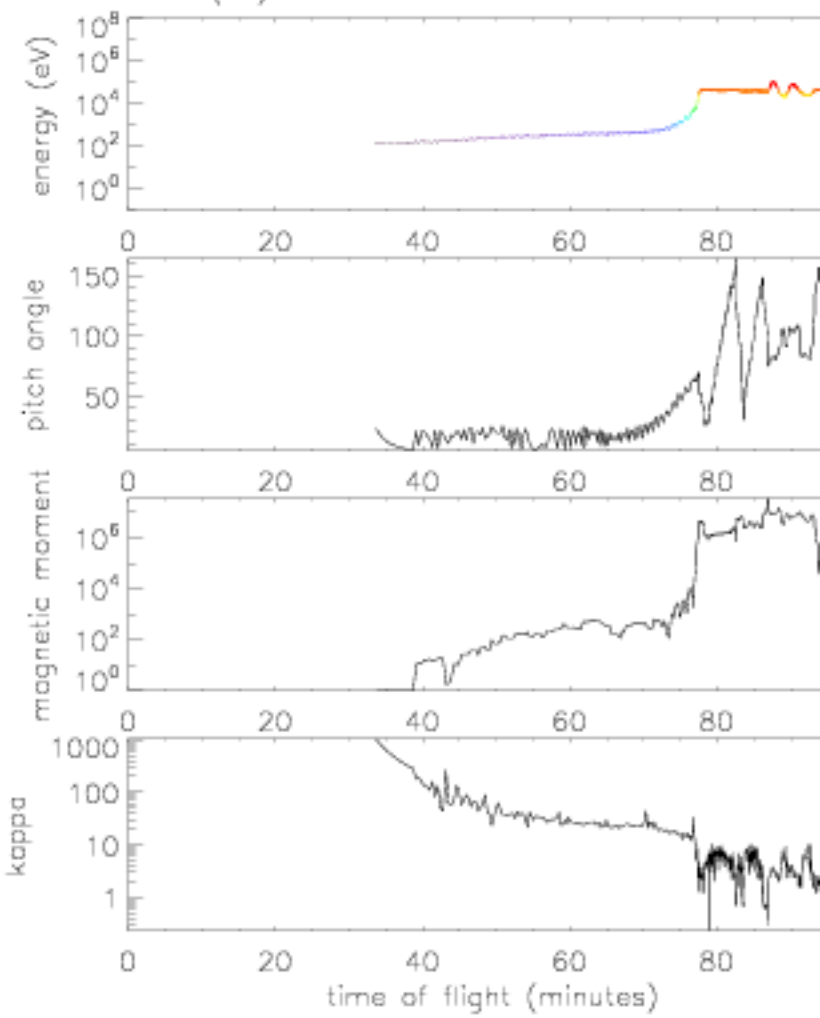
Time (minute): 31.1, 112.6
Magnetic local time: 14.240, 23.440
Magnetic latitude: 79.430, 23.800
Distance (Re): 1.16, 70.01
Energy (eV): 141.00, 18640.00
Pitch angle: 164.800, 163.900
Tilt angle (deg): 0.000

file: particle1270325.full

Mon Nov 7 14:21:51 2005







Start, Stop Parameters:

Time (minute): 33.7, 99.2
Magnetic local time: 14.860, 23.010
Magnetic latitude: −81.210, 25.160
Distance (Re): 1.16, 70.01
Energy (eV): 160.60, 60090.00
Pitch angle: 22.570, 151.200
Tilt angle (deg): 0.000

file: particle1275100.full

Mon Nov 7 14:21:52 2005