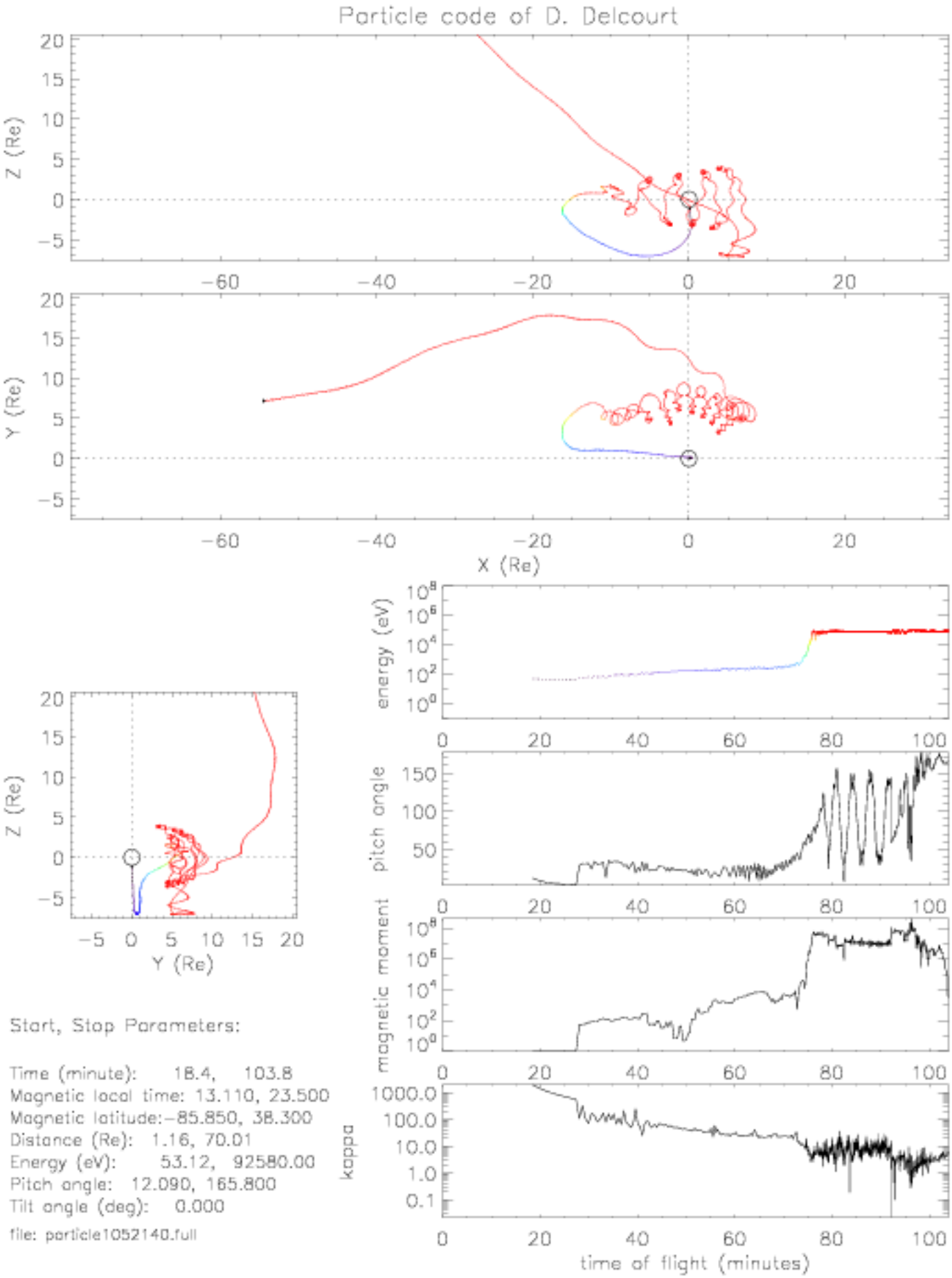
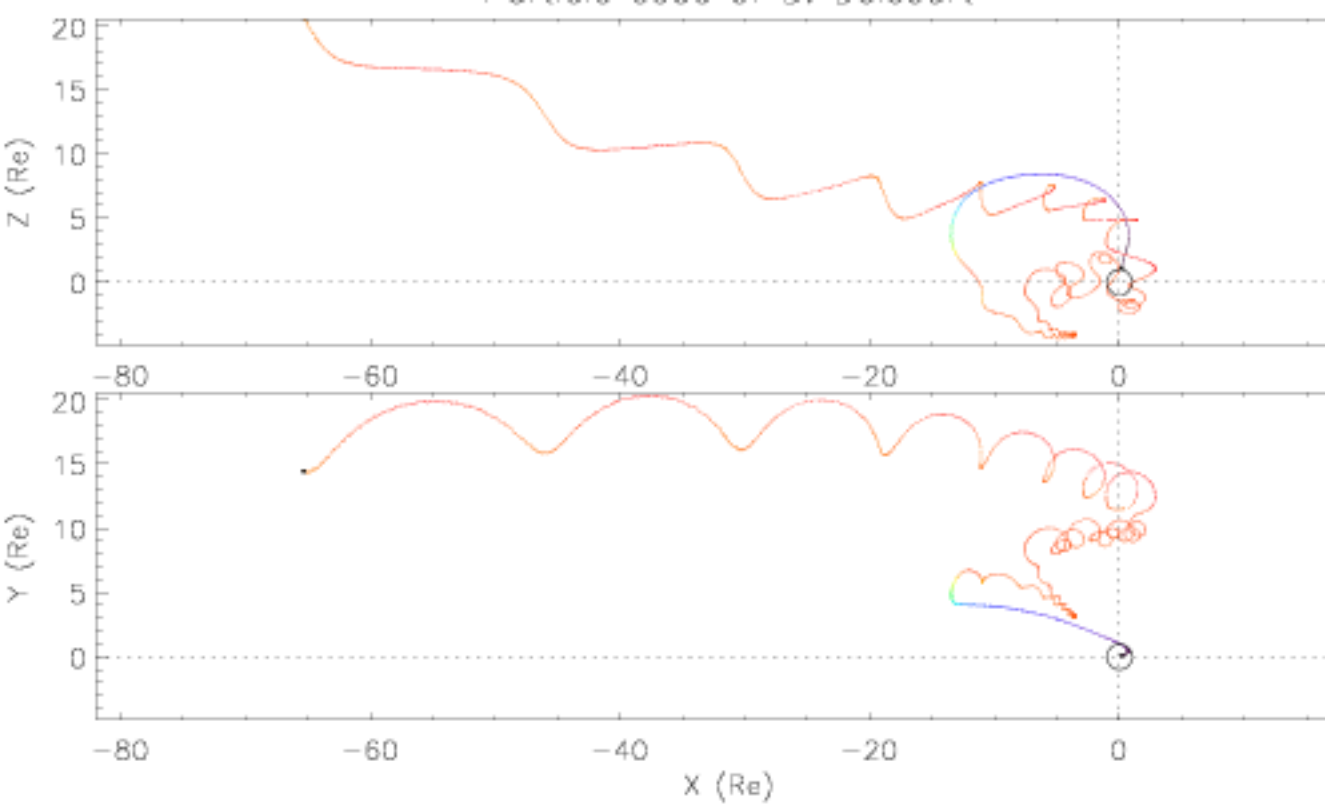
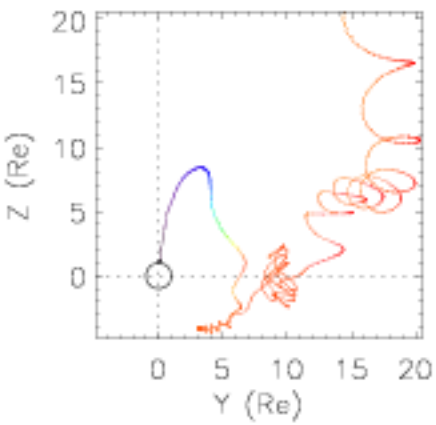
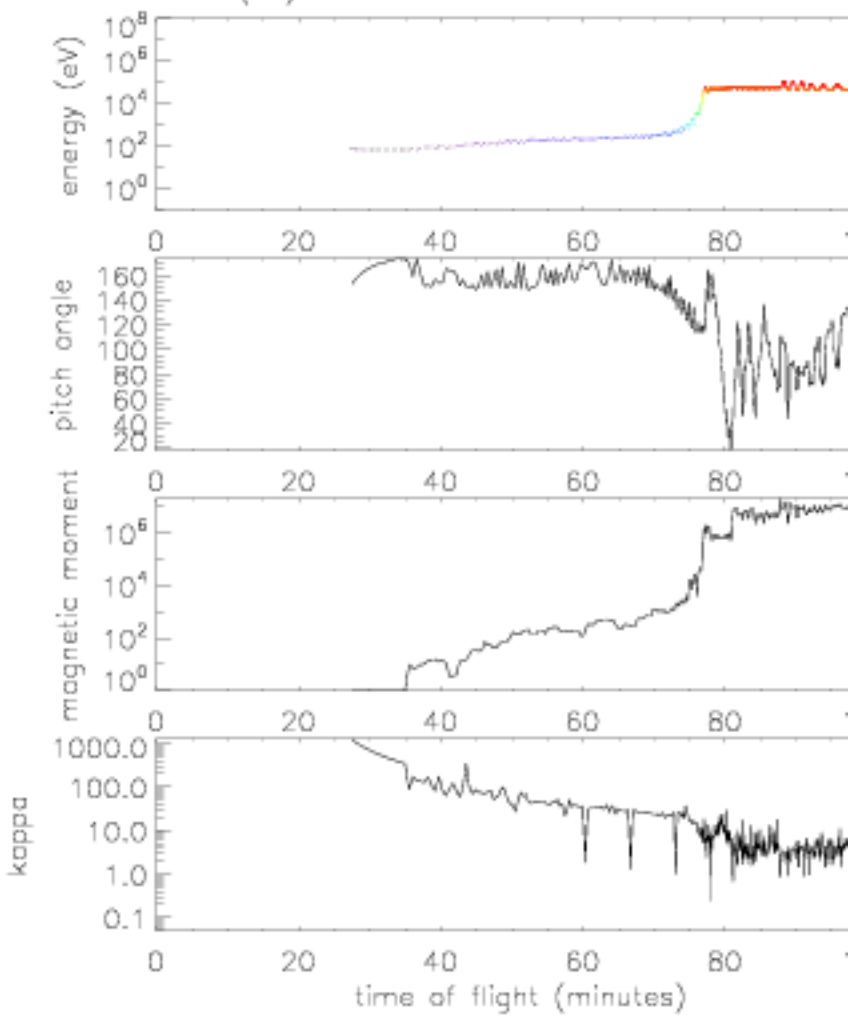

Particle code of D. Delcourt
Z (Re)
Y (Re)
X (Re)
energy (eV)
pitch angle
magnetic moment
kappa
time of flight (minutes)
Start, Stop Parameters:
Time (minute): 18.4, 103.8
Magnetic local time: 13.110, 23.500
Magnetic latitude: -85.850, 38.300
Distance (Re): 1.16, 70.01
Energy (eV): 53.12, 92580.00
Pitch angle: 12.090, 165.800
Tilt angle (deg): 0.000
file: particle1052140.full
Mon Oct 10 09:54:43 2005







Start, Stop Parameters:

Time (minute): 27.5, 102.7
Magnetic local time: 13.670, 23.170
Magnetic latitude: 81.070, 17.110
Distance (Re): 1.16, 70.01
Energy (eV): 74.67, 39300.00
Pitch angle: 152.900, 165.000
Tilt angle (deg): 0.000

file: particle1086709.full

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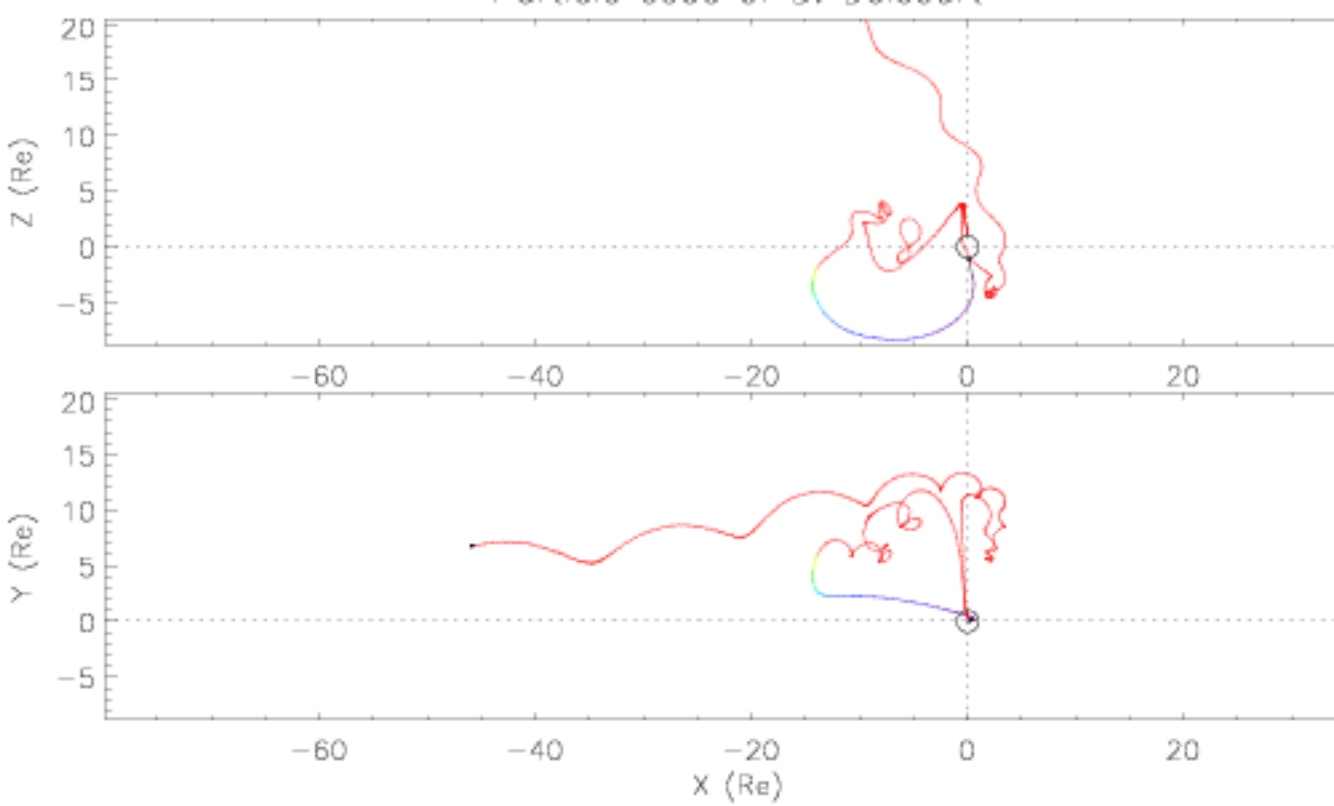

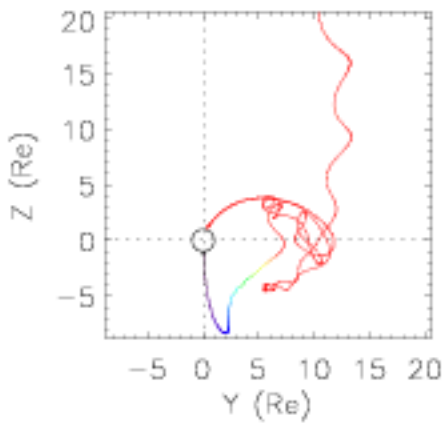

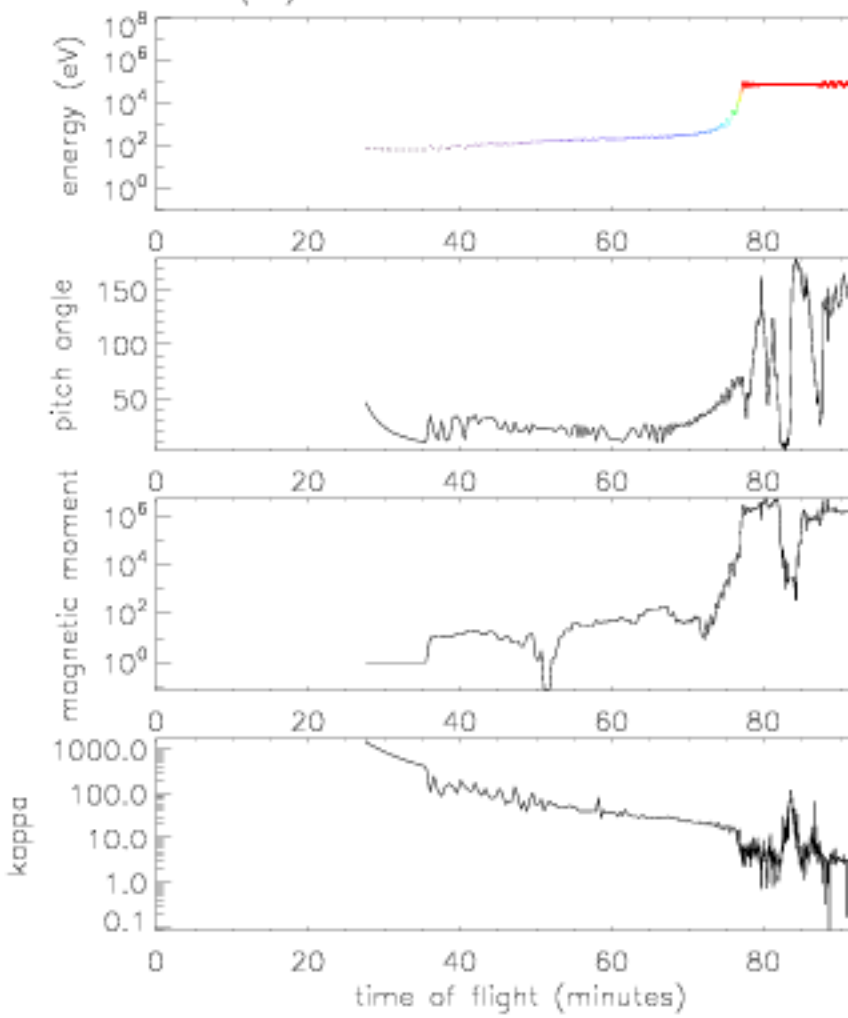

Start, Stop Parameters:

Time (minute): 27.5, 96.1
Magnetic local time: 12.860, 23.440
Magnetic latitude: −83.490, 48.500
Distance (Re): 1.16, 70.00
Energy (eV): 76.37, 103800.00
Pitch angle: 45.910, 141.700
Tilt angle (deg): 0.000

file: particle1091570.full

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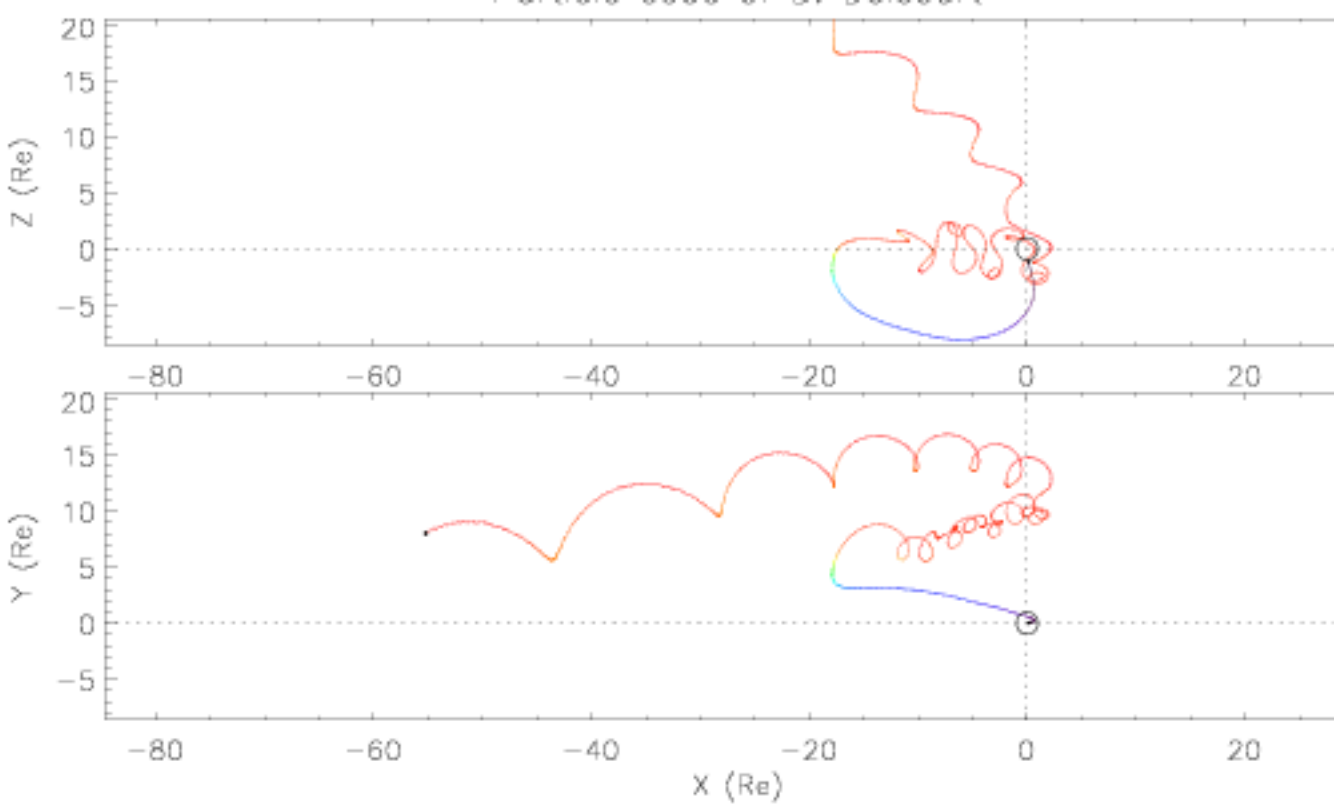

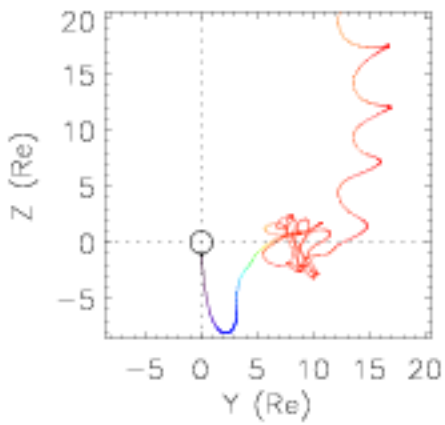

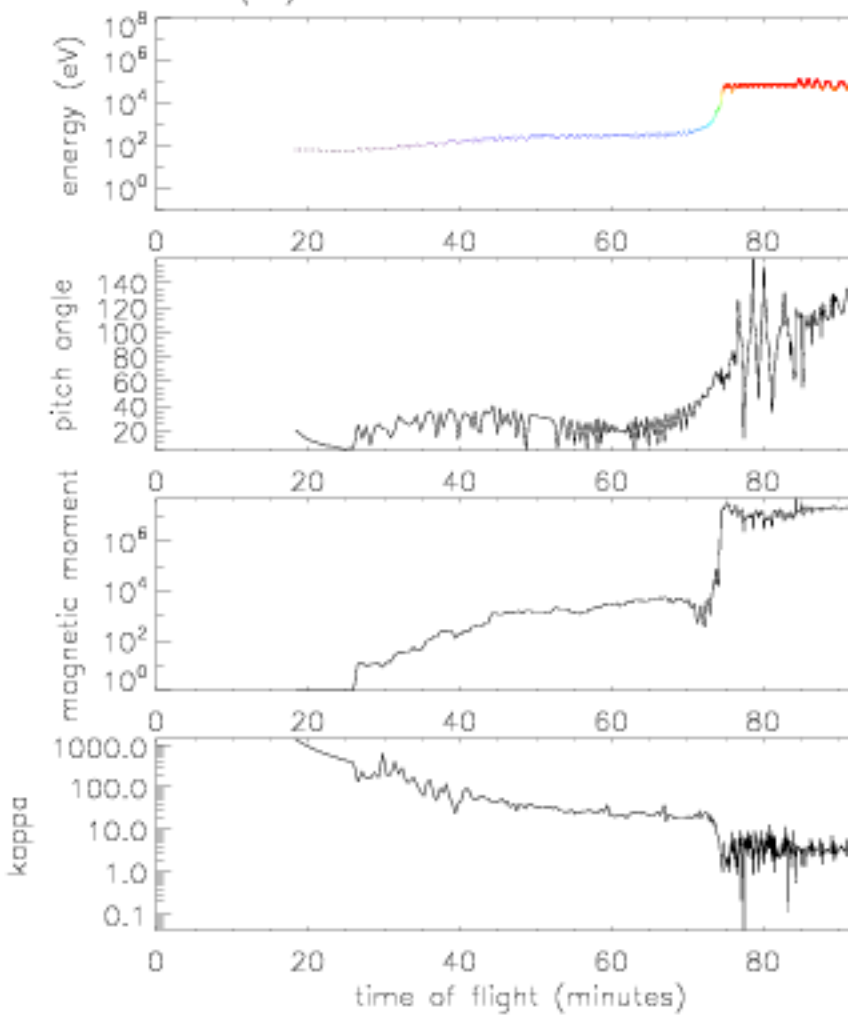

Start, Stop Parameters:

Time (minute): 18.4, 96.2
Magnetic local time: 13.000, 23.450
Magnetic latitude: −82.650, 37.160
Distance (Re): 1.16, 70.00
Energy (eV): 71.93, 82470.00
Pitch angle: 20.500, 133.600
Tilt angle (deg): 0.000

file: particle1101394.full

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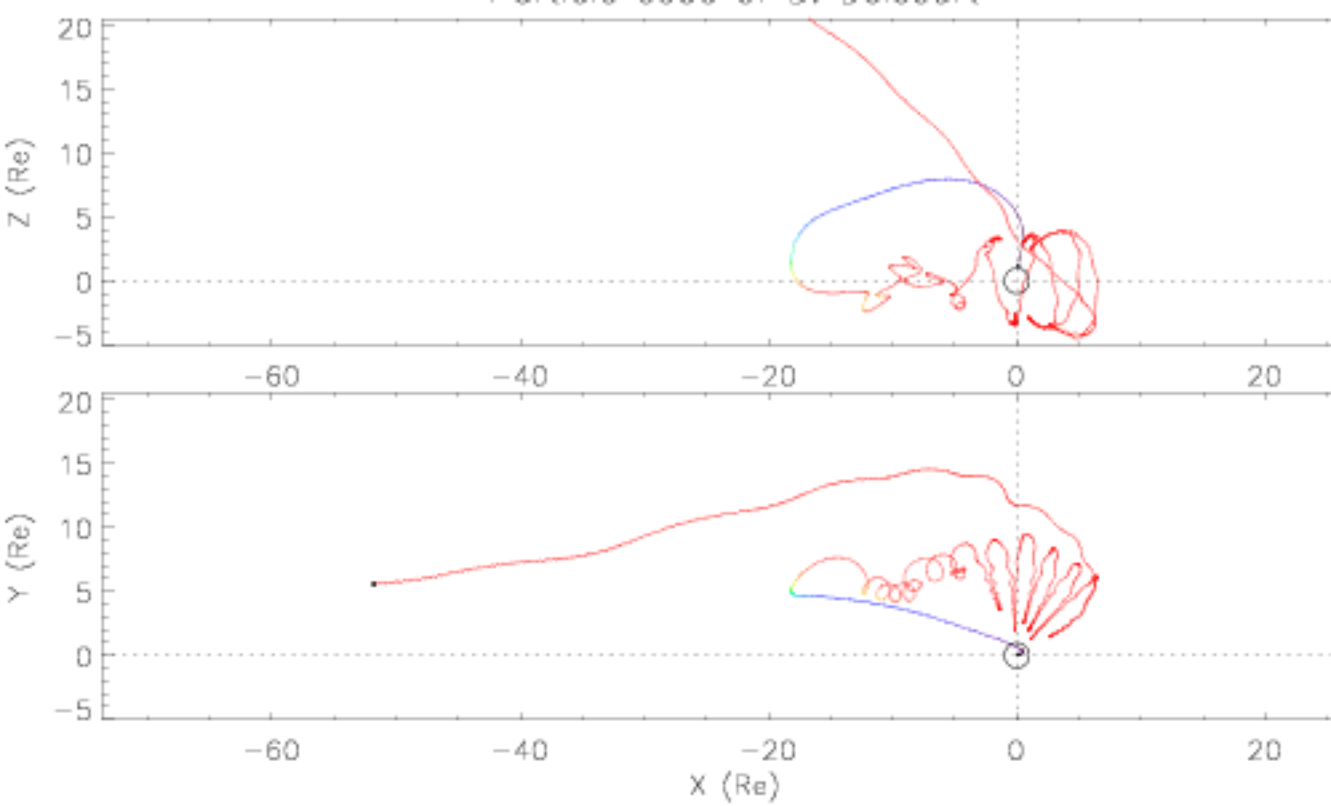

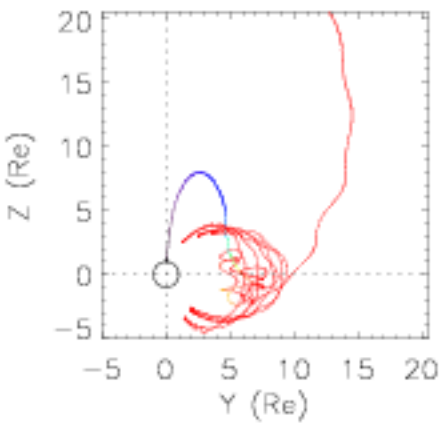

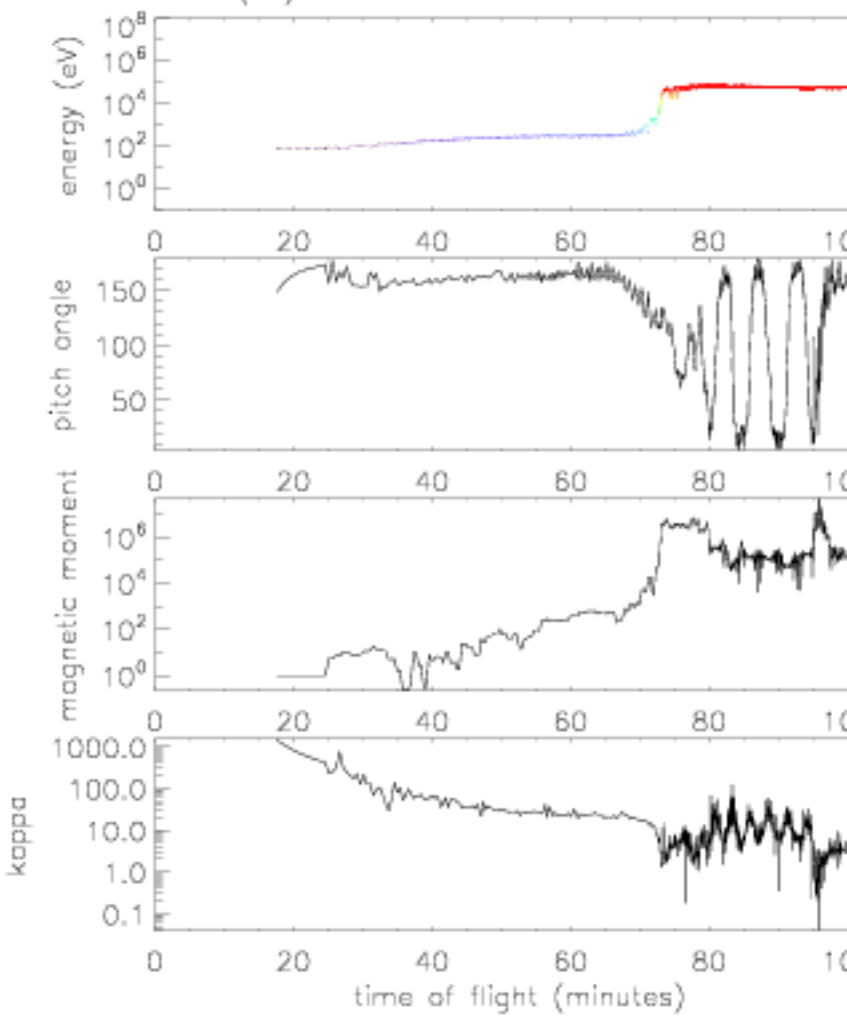

Start, Stop Parameters:

Time (minute): 17.5, 105.3
Magnetic local time: 13.560, 23.590
Magnetic latitude: 83.760, 41.930
Distance (Re): 1.16, 70.01
Energy (eV): 85.17, 59950.00
Pitch angle: 148.200, 164.200
Tilt angle (deg): 0.000

file: particle1118357.full

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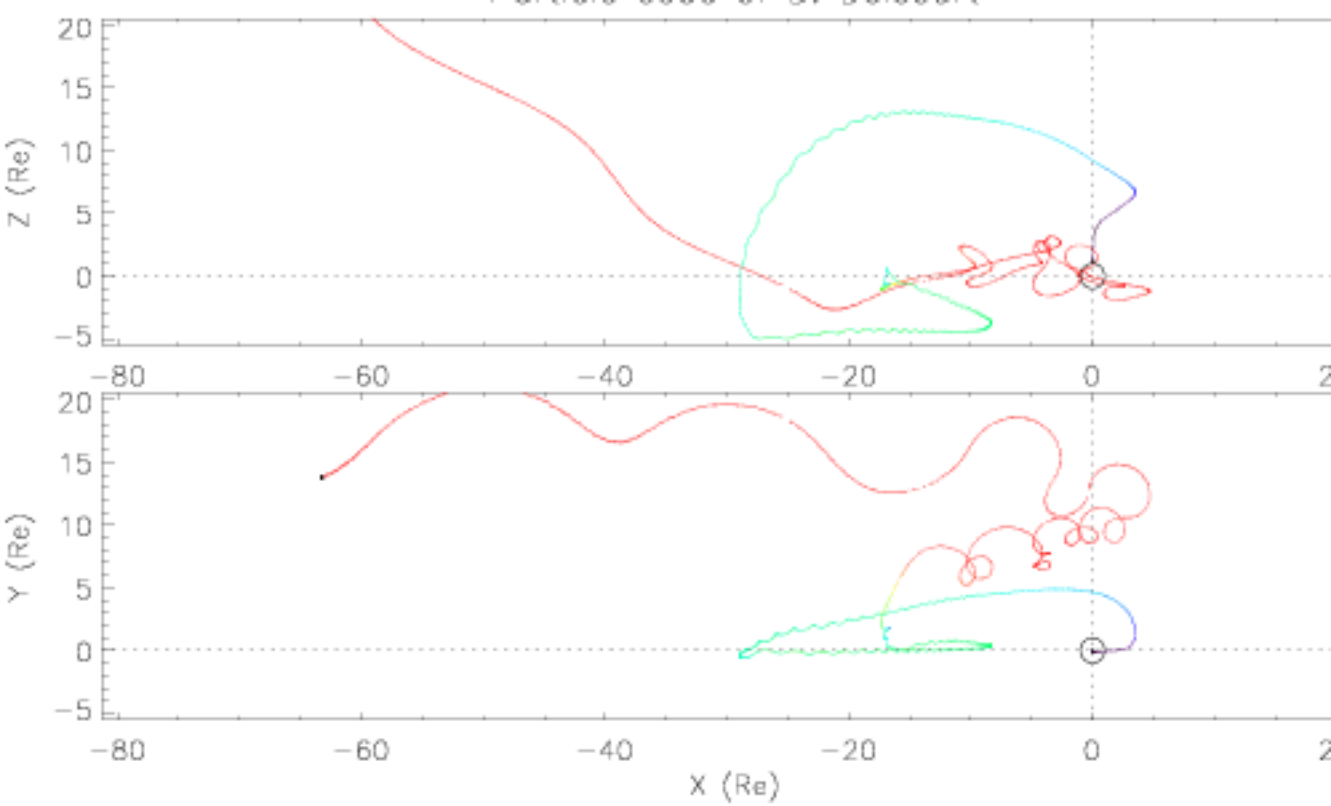

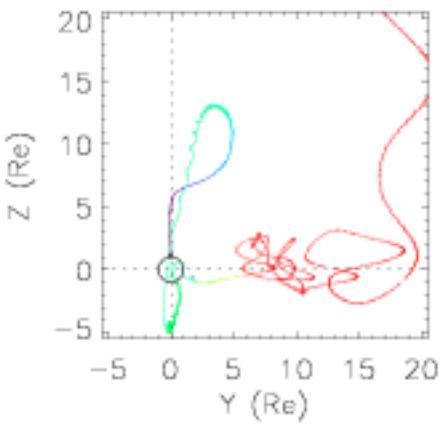

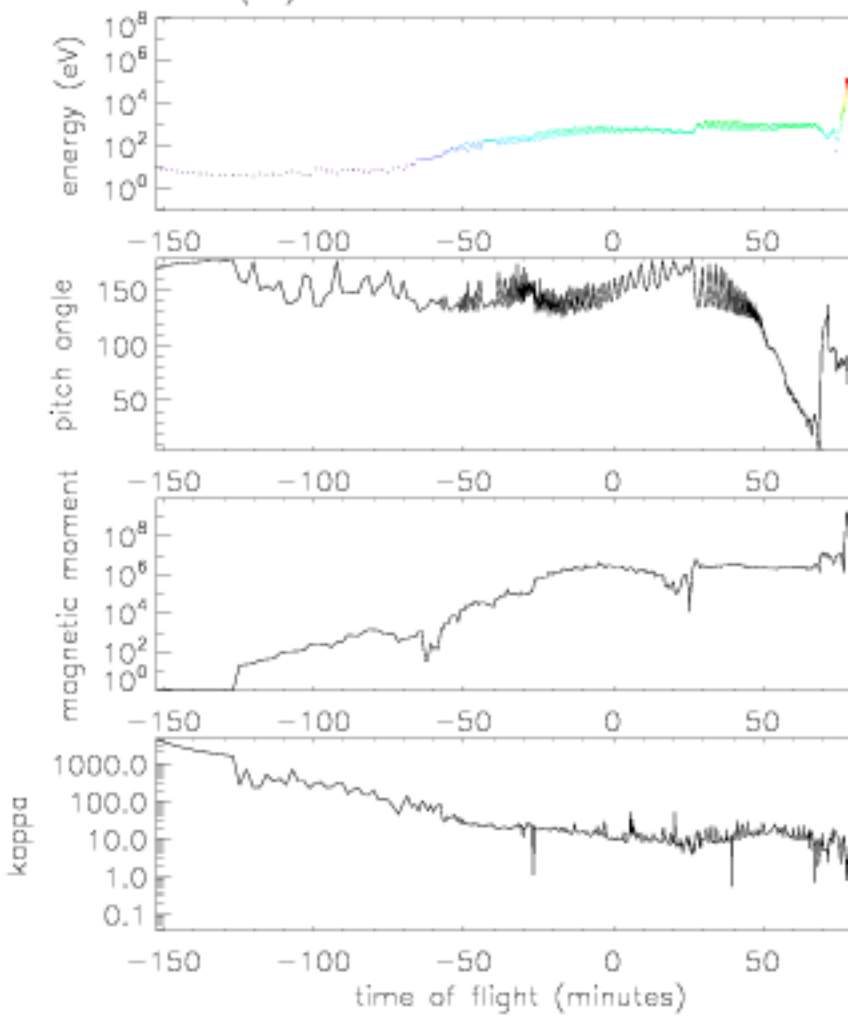

Start, Stop Parameters:

Time (minute): −152.5, 91.1
Magnetic local time: 8.519, 23.180
Magnetic latitude: 88.320, 22.350
Distance (Re): 1.16, 70.01
Energy (eV): 10.13, 138900.00
Pitch angle: 170.300, 169.400
Tilt angle (deg): 0.000

file: particle1127167.full

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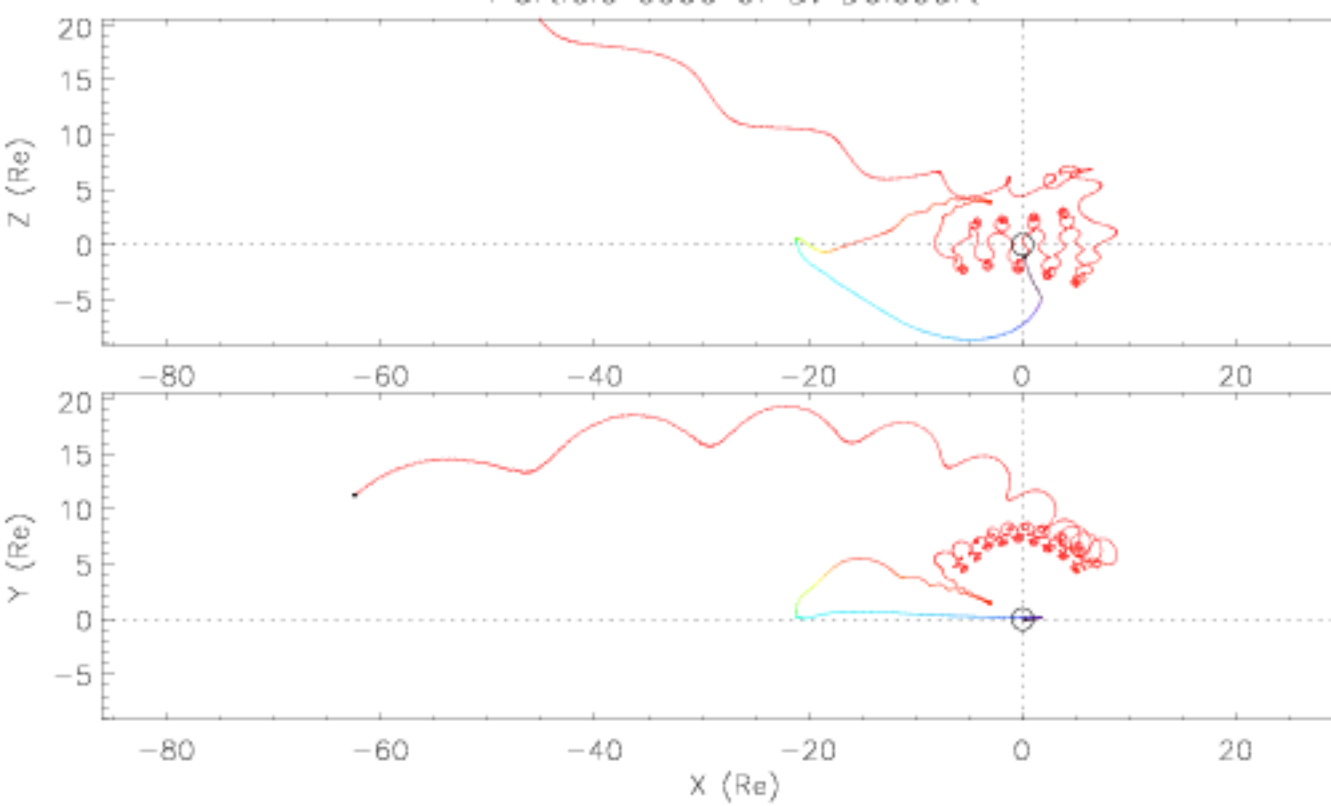

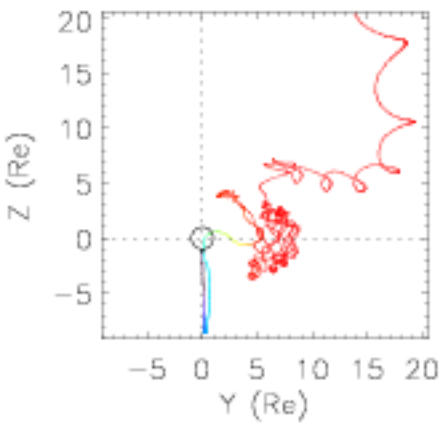

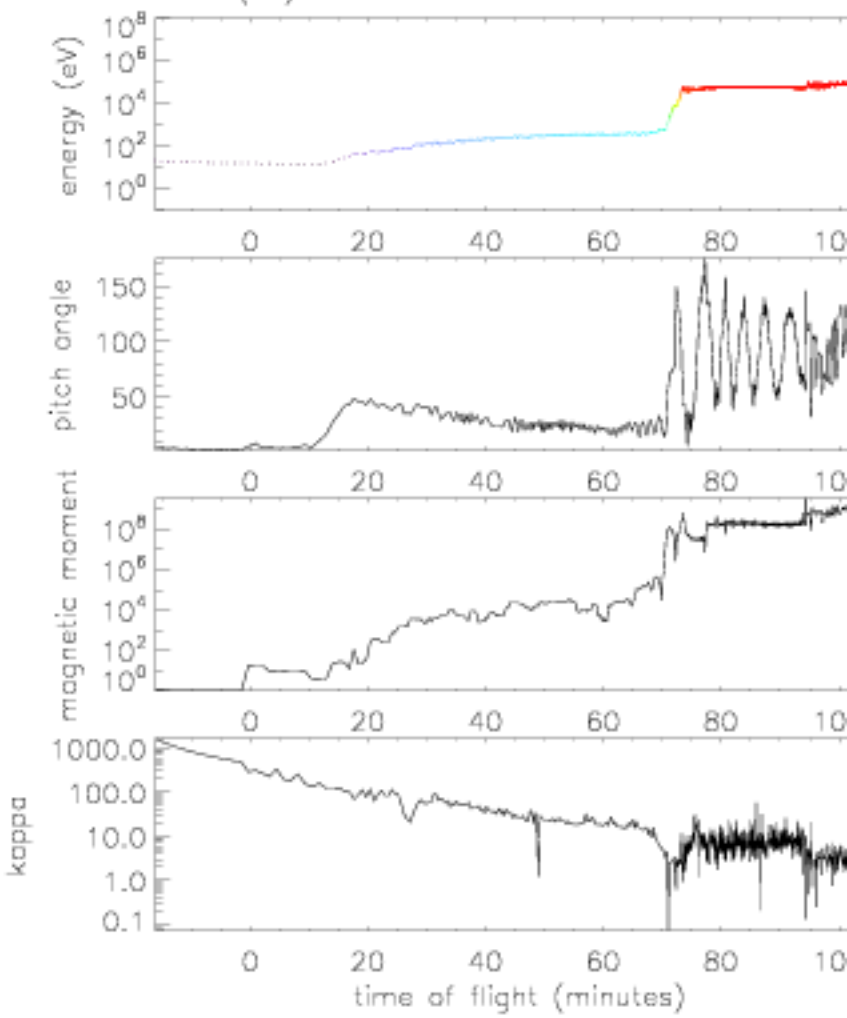

Start, Stop Parameters:

Time (minute): −16.2, 107.8
Magnetic local time: 11.810, 23.320
Magnetic latitude: −81.170, 25.010
Distance (Re): 1.16, 70.01
Energy (eV): 22.30, 73260.00
Pitch angle: 4.975, 151.800
Tilt angle (deg): 0.000

file: particle1156610.full

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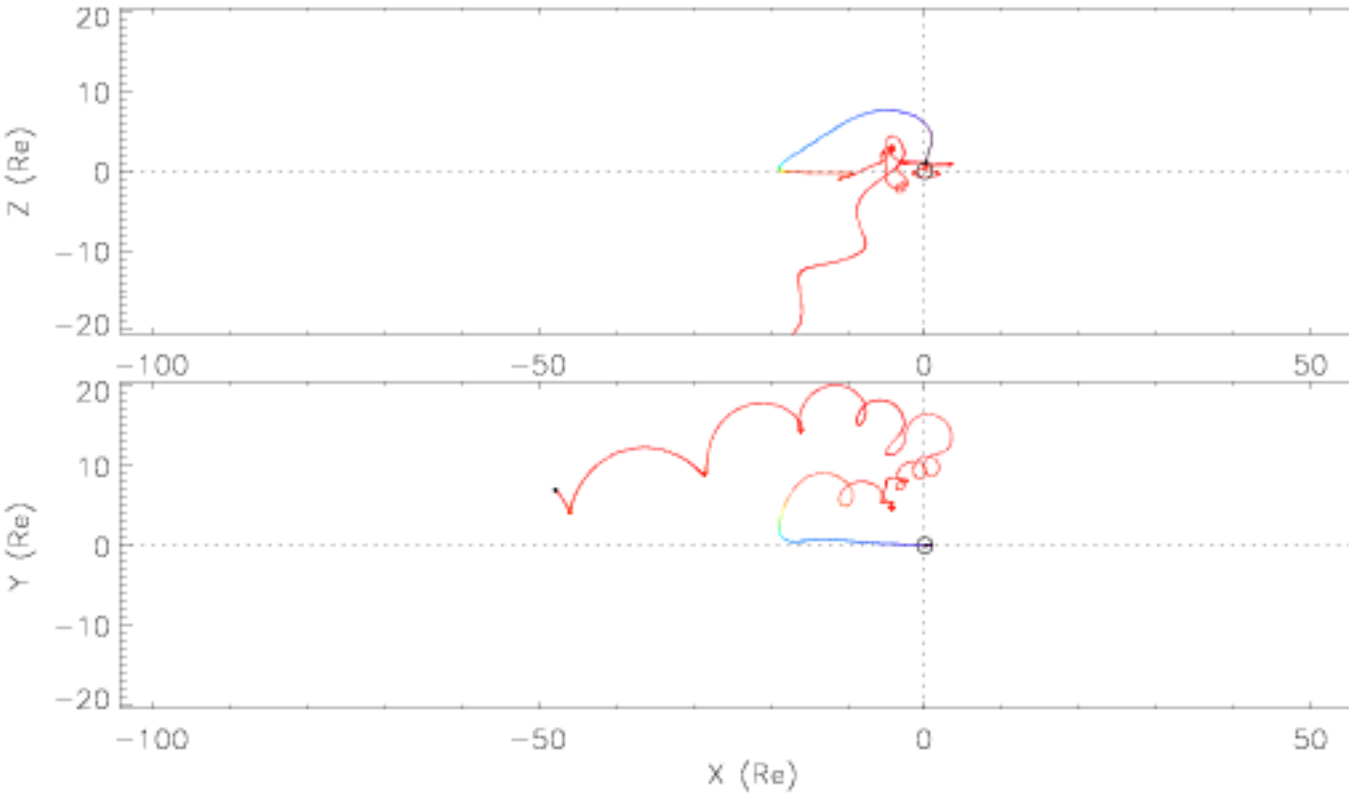

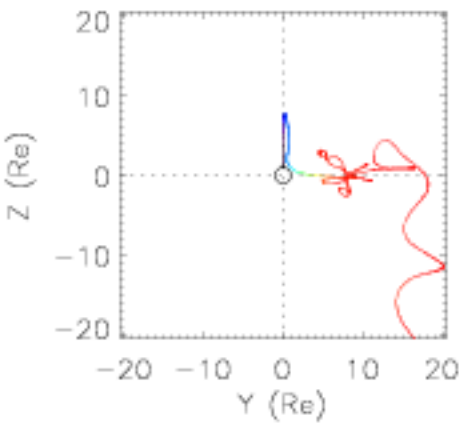

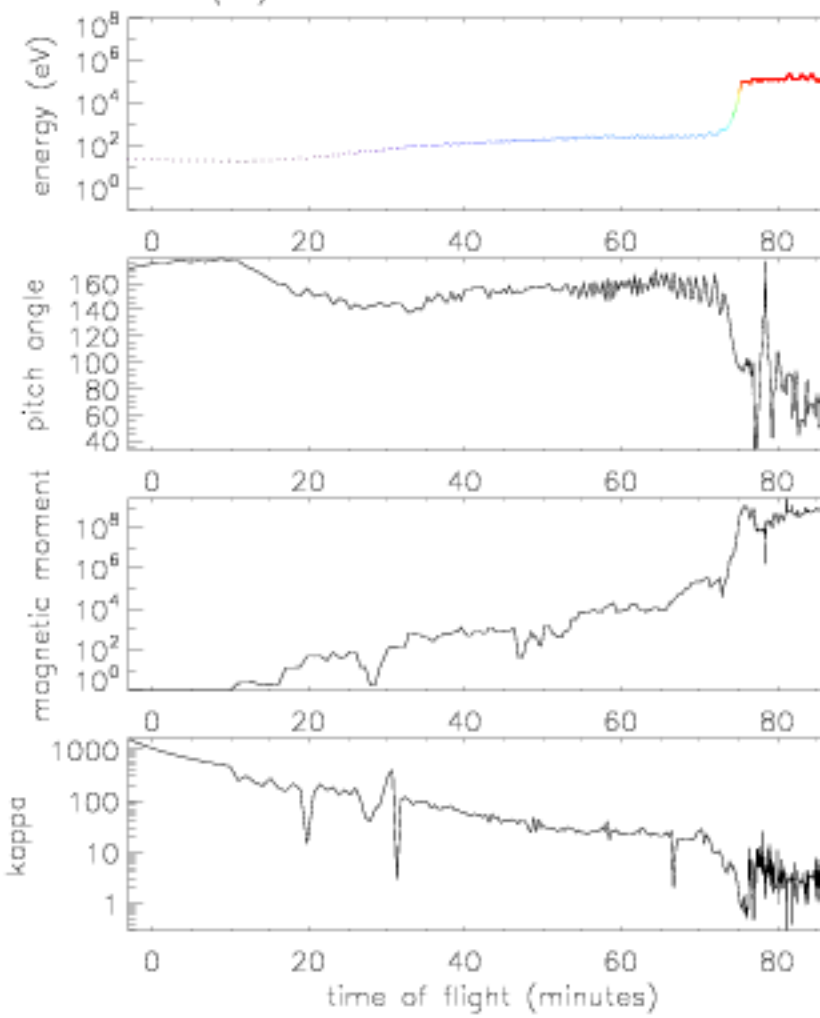

Start, Stop Parameters:

Time (minute): −3.1, 90.3
Magnetic local time: 11.920, 23.450
Magnetic latitude: 81.740,−46.380
Distance (Re): 1.16, 70.01
Energy (eV): 27.18, 151500.00
Pitch angle: 171.200, 42.680
Tilt angle (deg): 0.000

file: particle1164261.full

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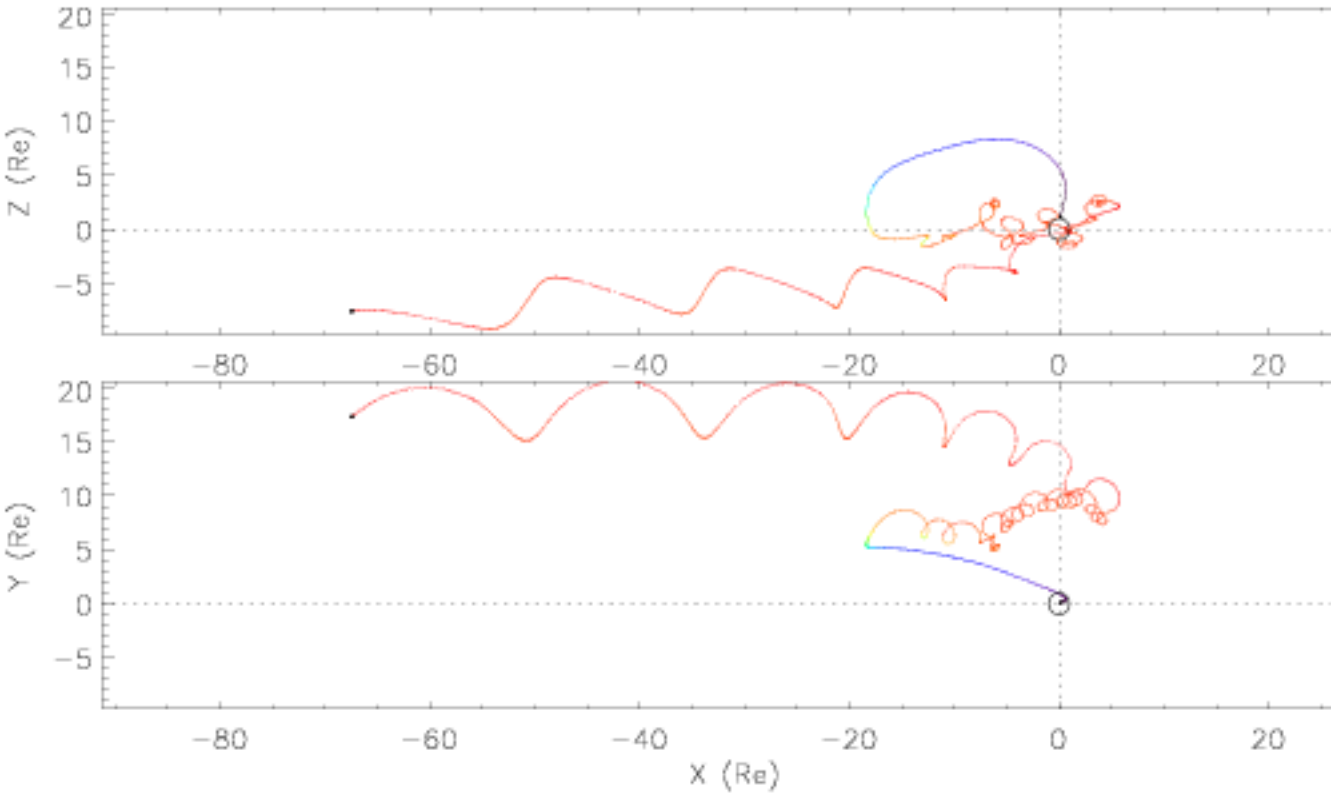

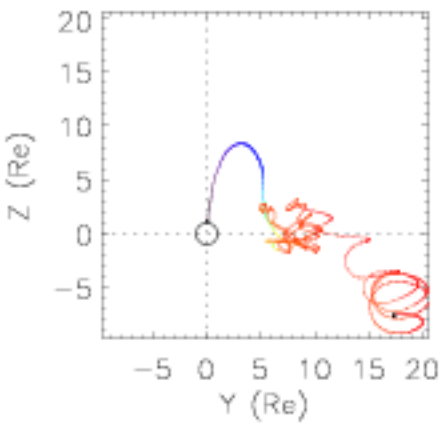

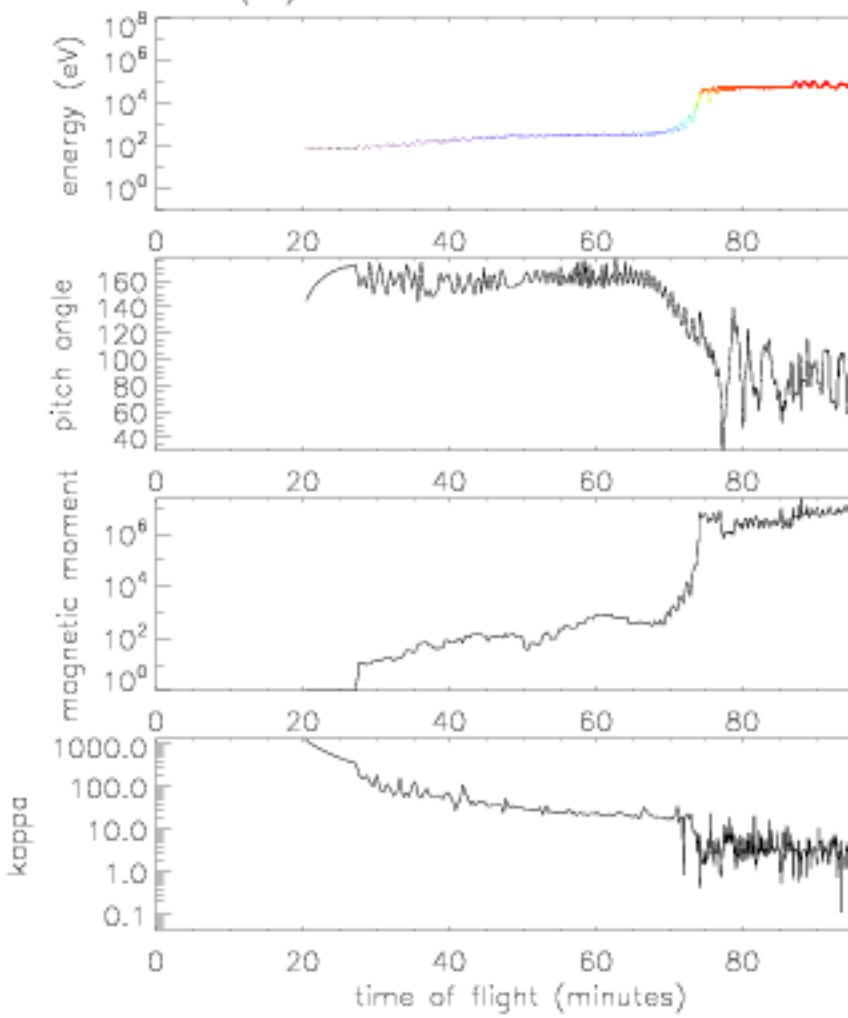

Start, Stop Parameters:

Time (minute): 20.4, 99.5
Magnetic local time: 13.790, 23.040
Magnetic latitude: 82.200, −6.205
Distance (Re): 1.16, 70.00
Energy (eV): 90.51, 79860.00
Pitch angle: 145.100, 41.830
Tilt angle (deg): 0.000

file: particle1214227.full

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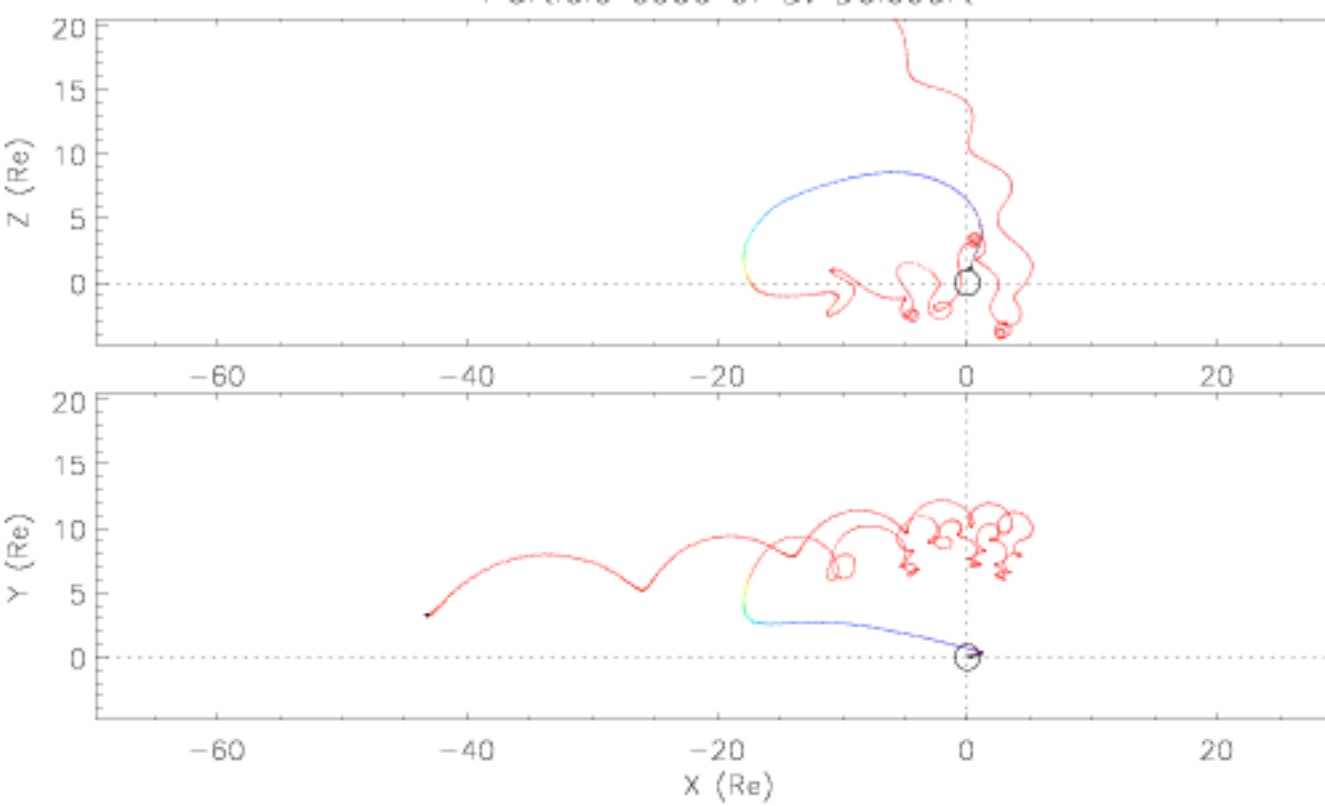

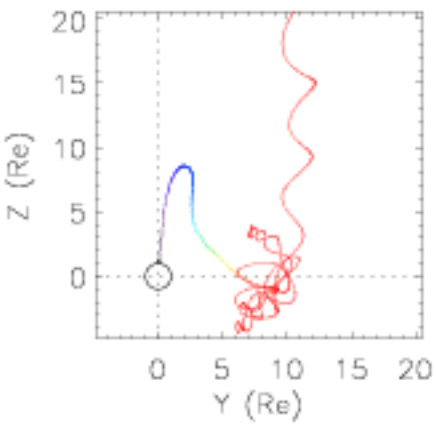

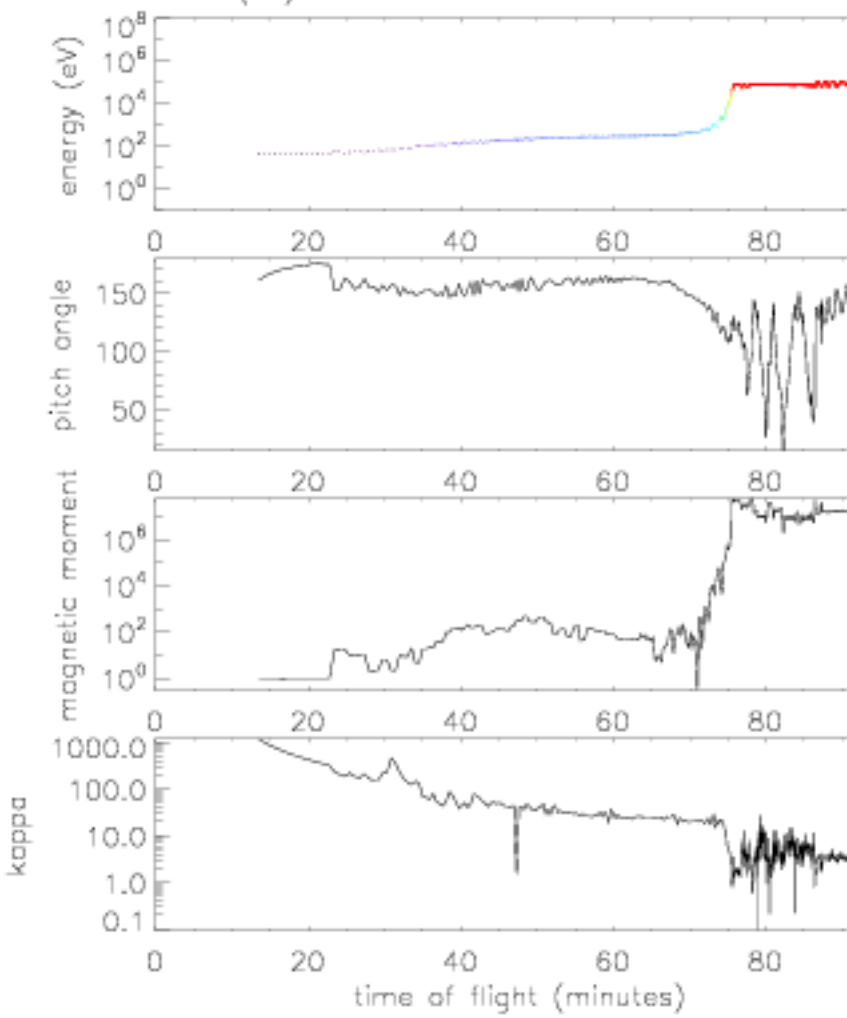

Start, Stop Parameters:

Time (minute): 13.6, 95.7
Magnetic local time: 12.780, 23.710
Magnetic latitude: 78.230, 51.750
Distance (Re): 1.16, 70.00
Energy (eV): 50.12, 61390.00
Pitch angle: 161.100, 179.600
Tilt angle (deg): 0.000

file: particle1279409.full

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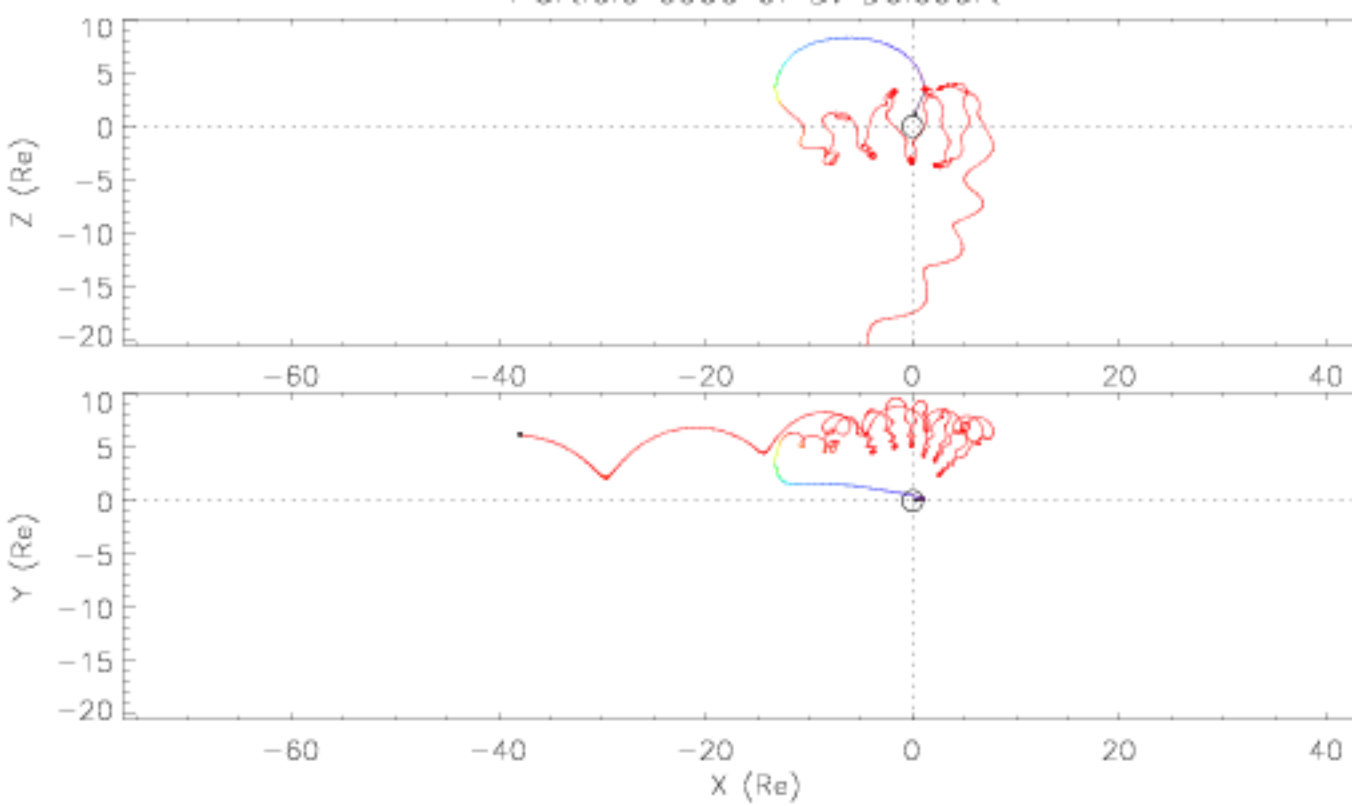

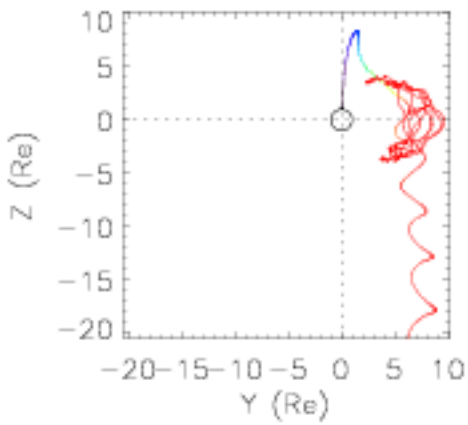

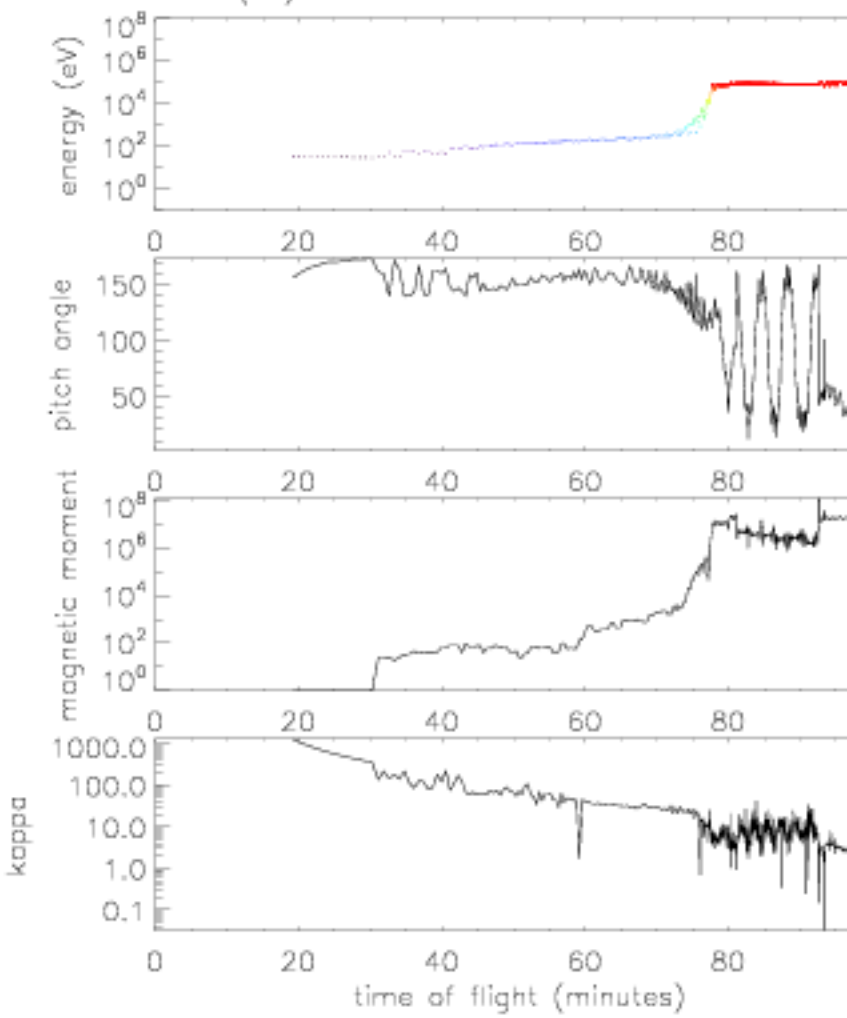

Start, Stop Parameters:

Time (minute): 19.2, 101.8
Magnetic local time: 12.380, 23.380
Magnetic latitude: 78.380,−56.700
Distance (Re): 1.16, 70.00
Energy (eV): 36.21, 124300.00
Pitch angle: 155.900, 41.860
Tilt angle (deg): 0.000

file: particle1317469.full

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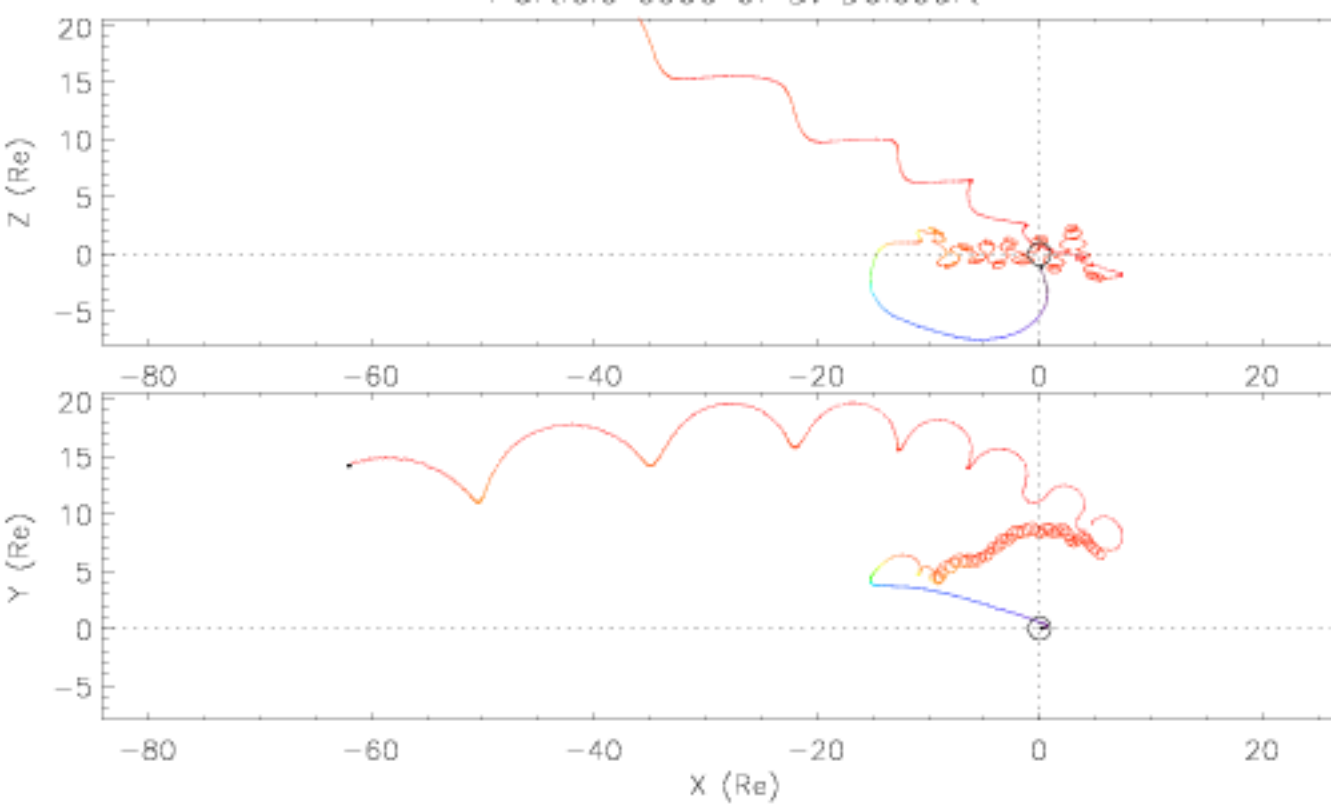

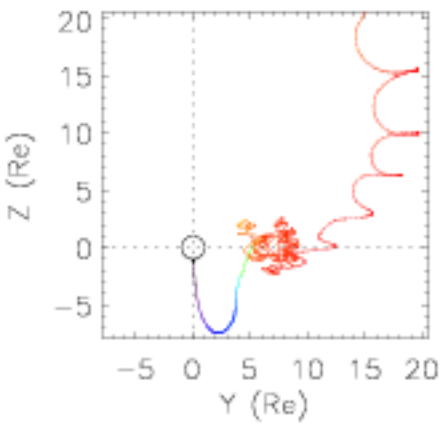

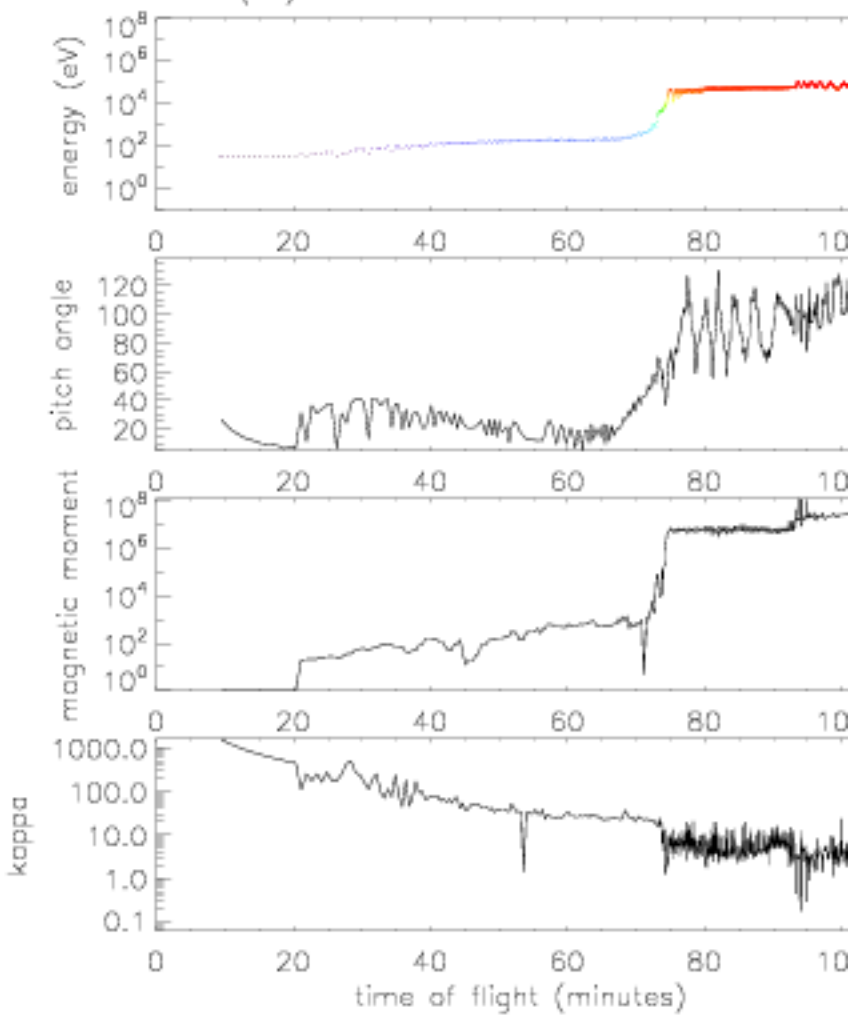

Start, Stop Parameters:

Time (minute): 9.5, 106.5
Magnetic local time: 12.720, 23.140
Magnetic latitude: −82.040, 24.700
Distance (Re): 1.16, 70.01
Energy (eV): 37.42, 73080.00
Pitch angle: 26.240, 114.400
Tilt angle (deg): 0.000

file: particle1320044.full

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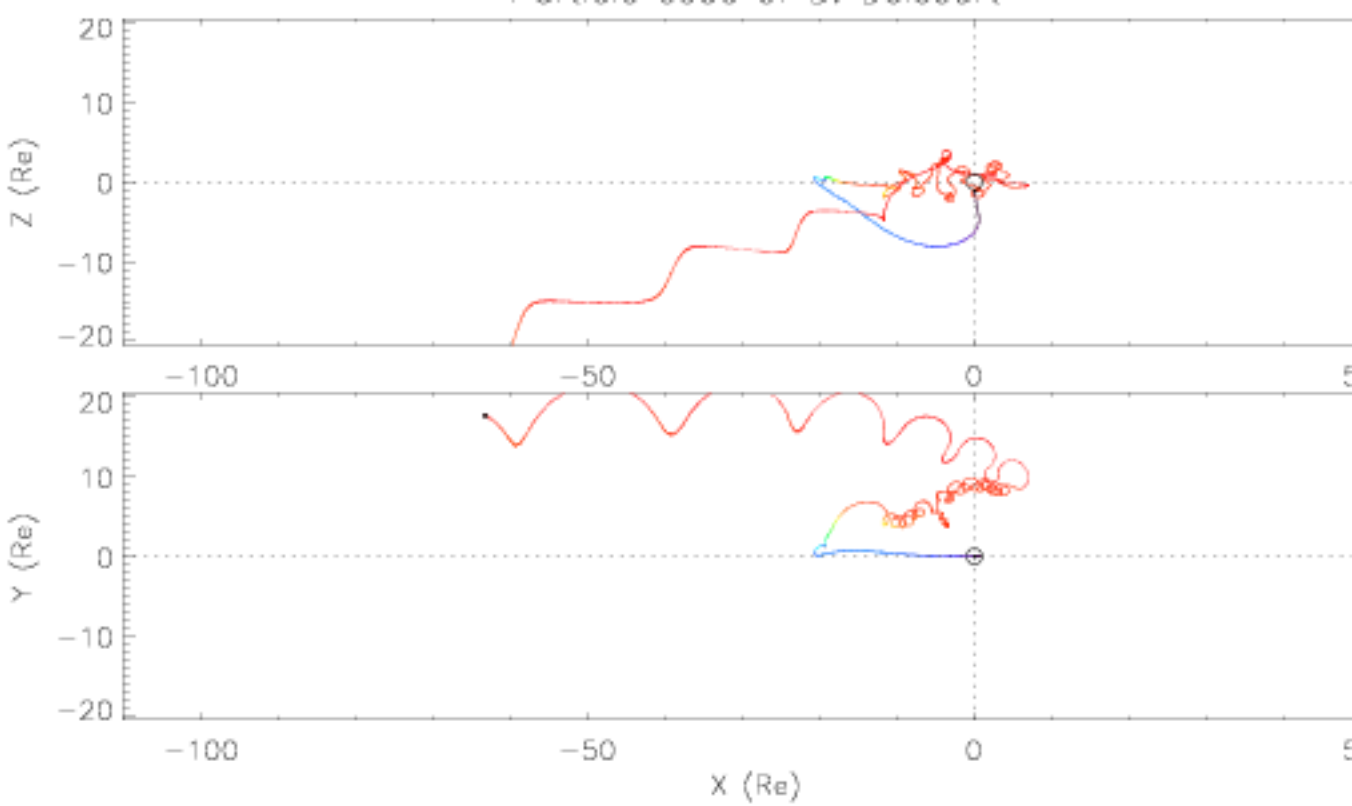

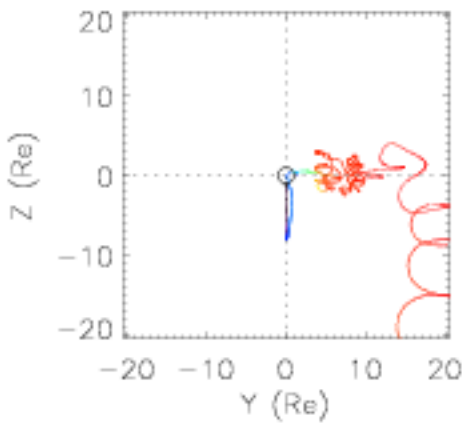

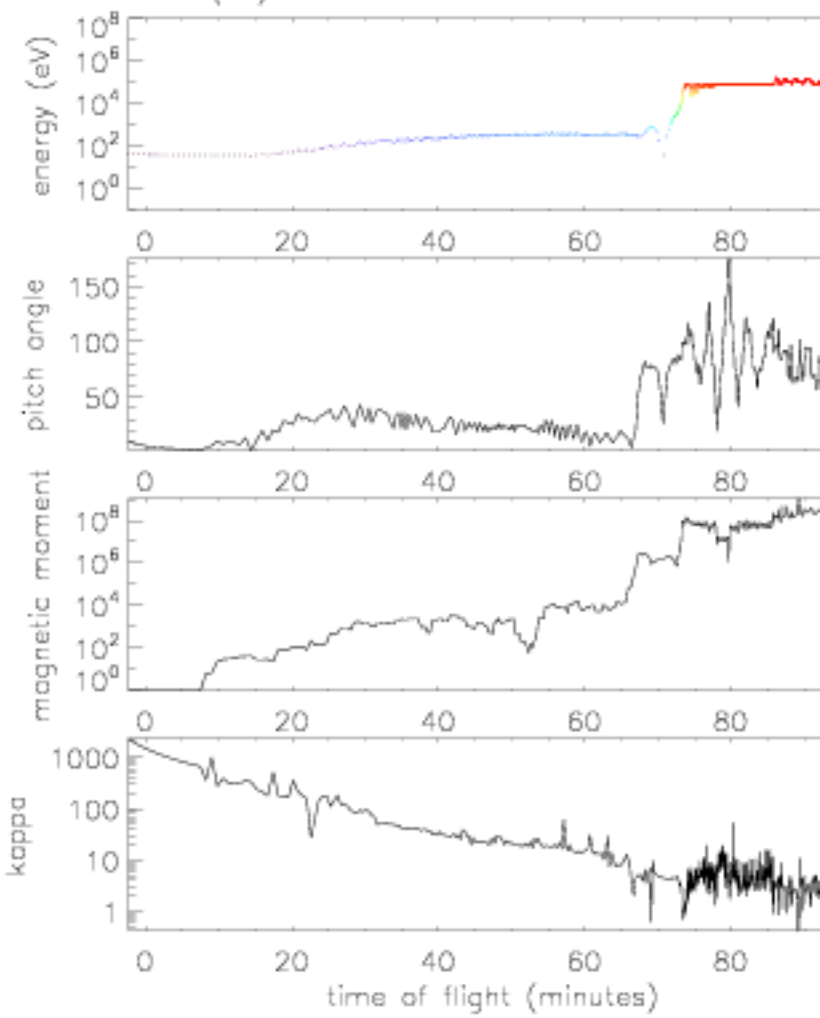

Start, Stop Parameters:

Time (minute): −2.4, 97.3
Magnetic local time: 11.740, 22.960
Magnetic latitude: −86.690, −20.180
Distance (Re): 1.16, 70.03
Energy (eV): 44.67, 103900.00
Pitch angle: 10.100, 64.760
Tilt angle (deg): 0.000

file: particle1338194.full

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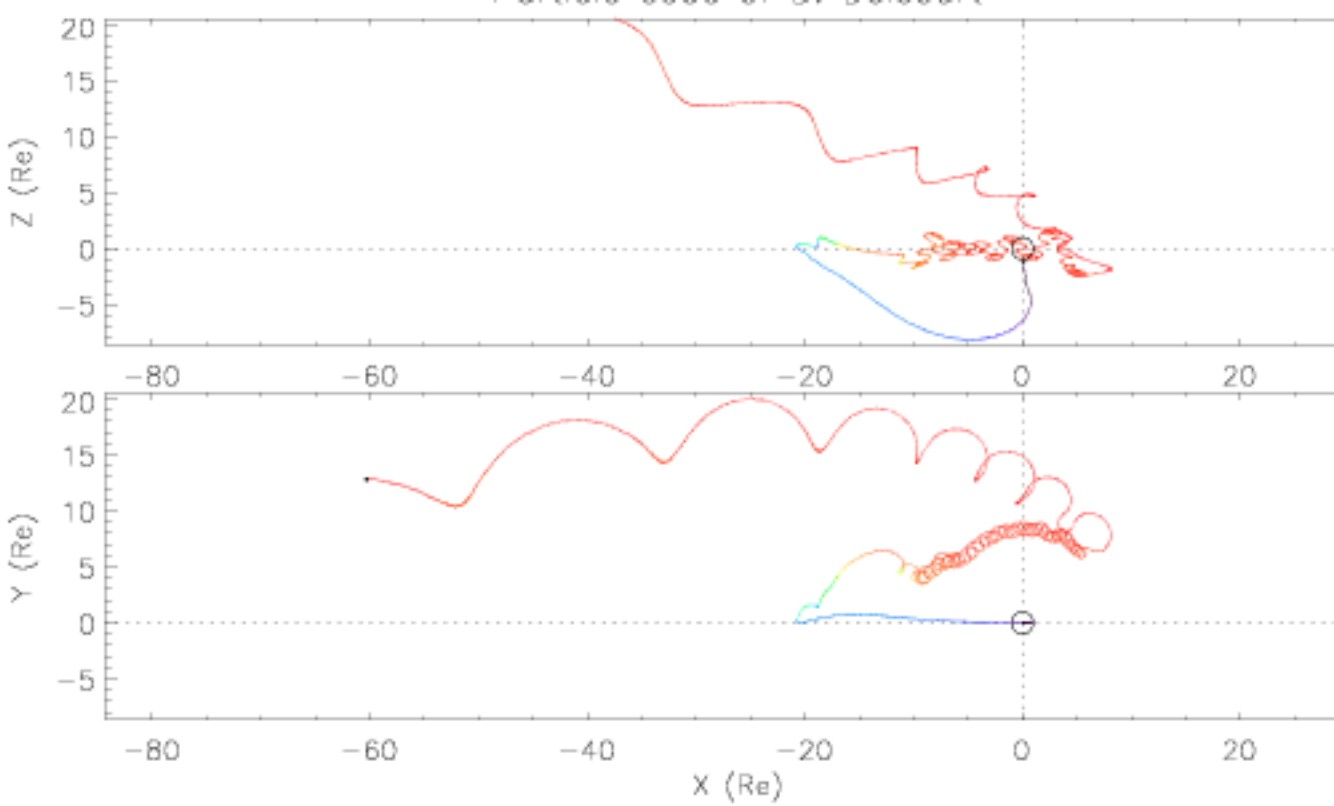

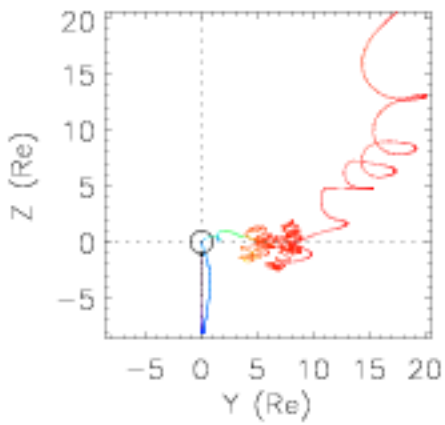

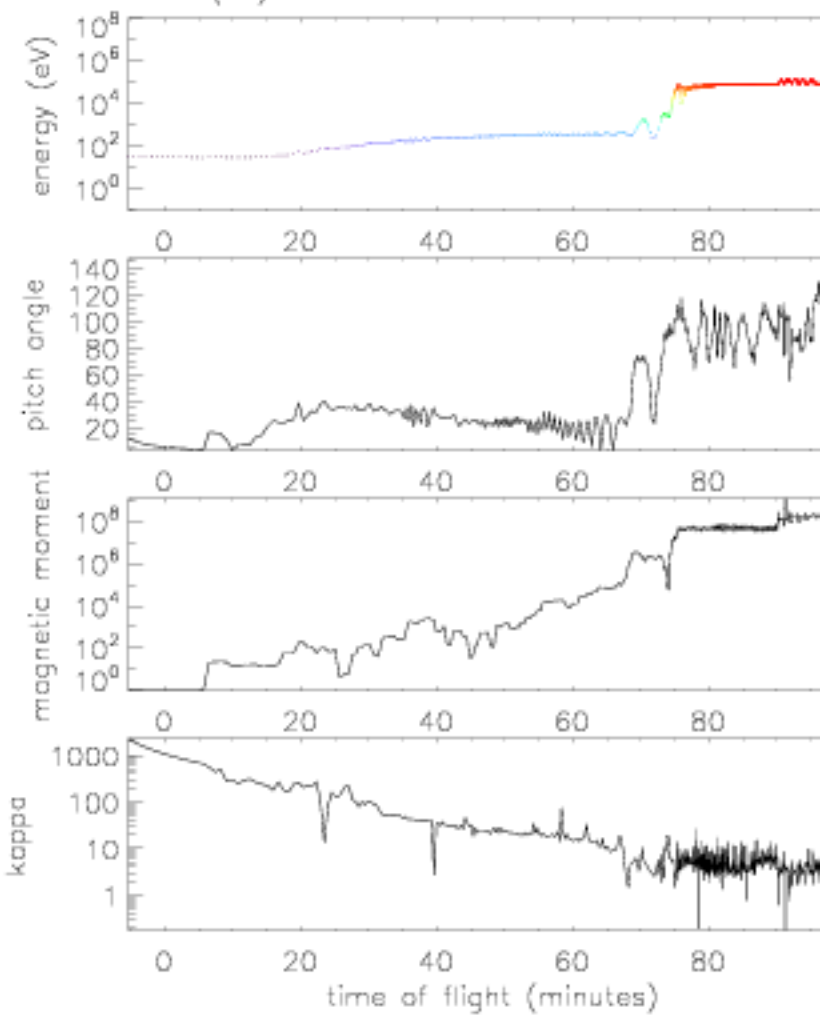

Start, Stop Parameters:

Time (minute): −5.3, 102.0
Magnetic local time: 11.830, 23.200
Magnetic latitude: −86.190, 28.340
Distance (Re): 1.16, 70.02
Energy (eV): 36.44, 112100.00
Pitch angle: 11.590, 130.700
Tilt angle (deg): 0.000

file: particle1471226.full

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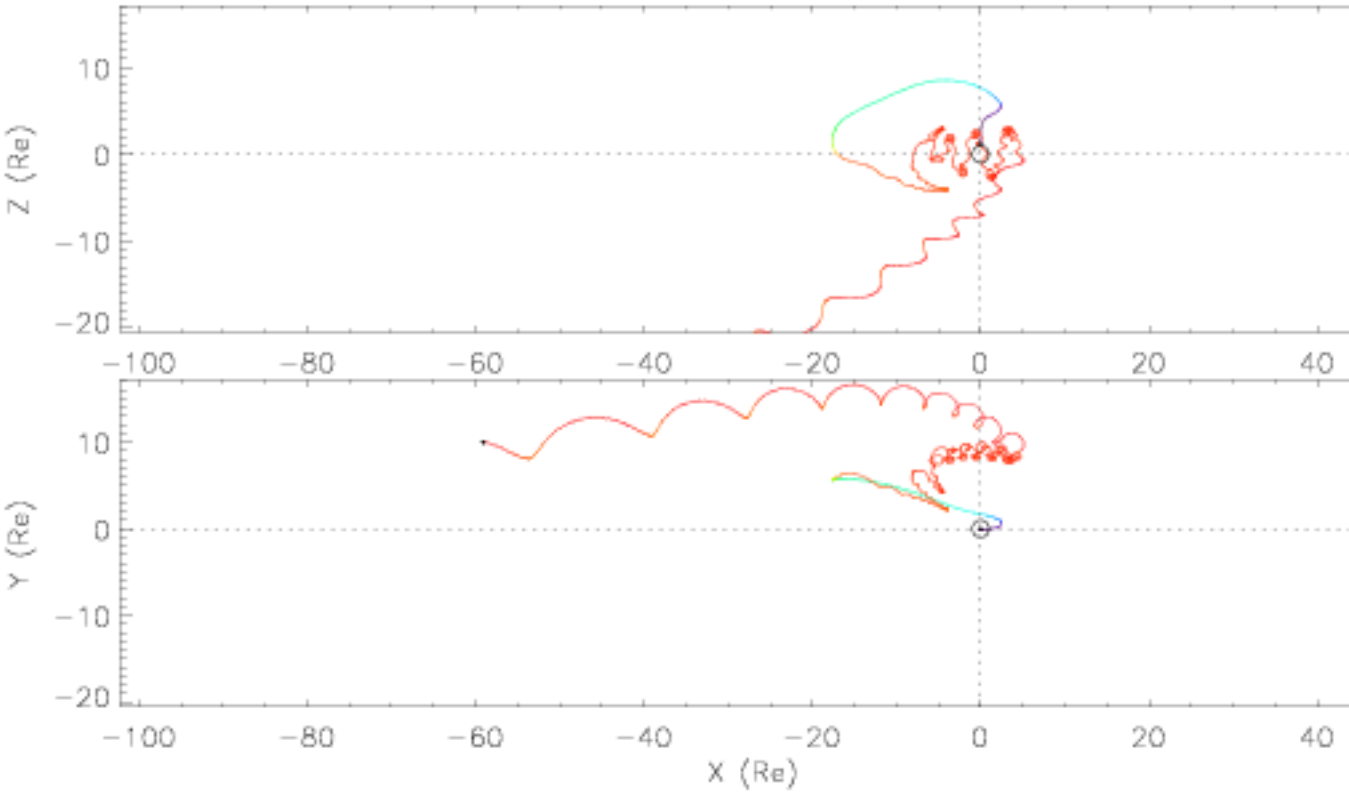

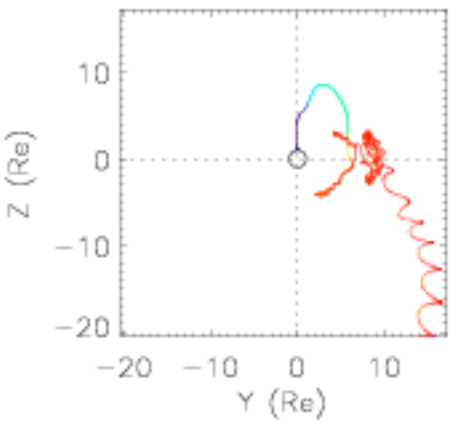

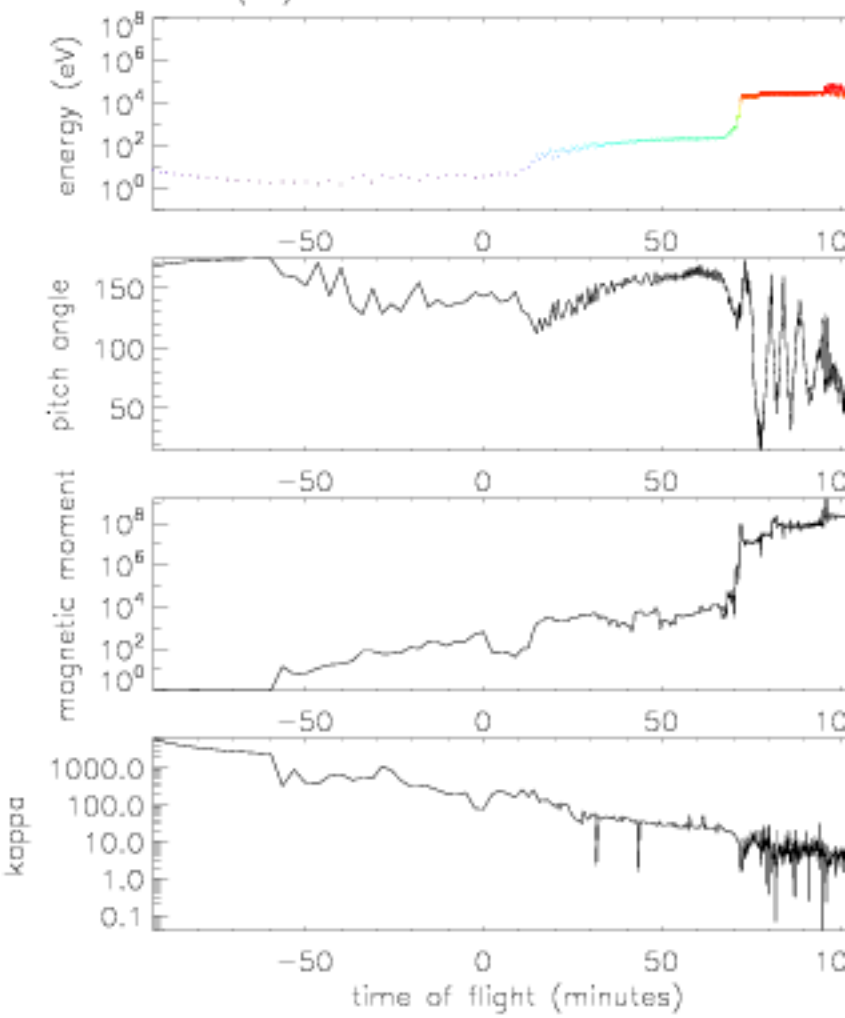

Start, Stop Parameters:

Time (minute): −92.5, 112.0
Magnetic local time: 7.629, 23.360
Magnetic latitude: 88.860,−31.170
Distance (Re): 1.16, 70.02
Energy (eV): 7.84, 46850.00
Pitch angle: 167.600, 50.440
Tilt angle (deg): 0.000

file: particle1529919.full

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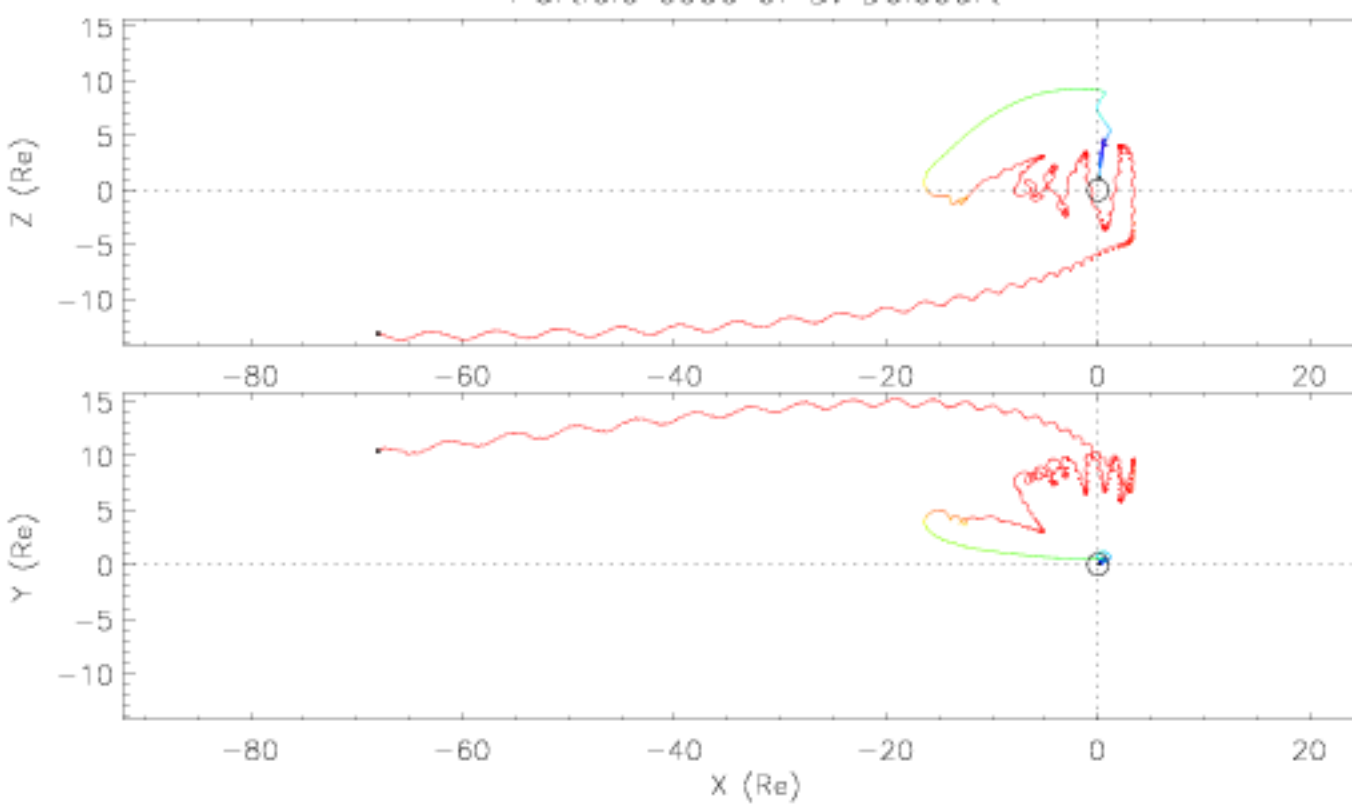

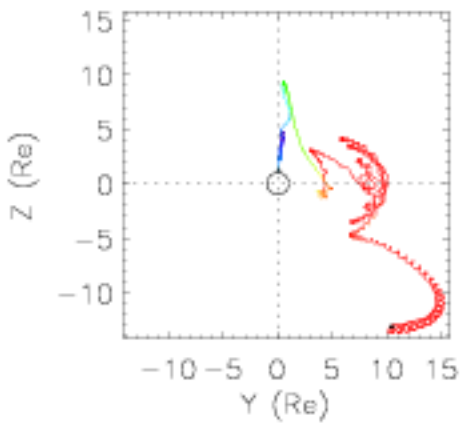

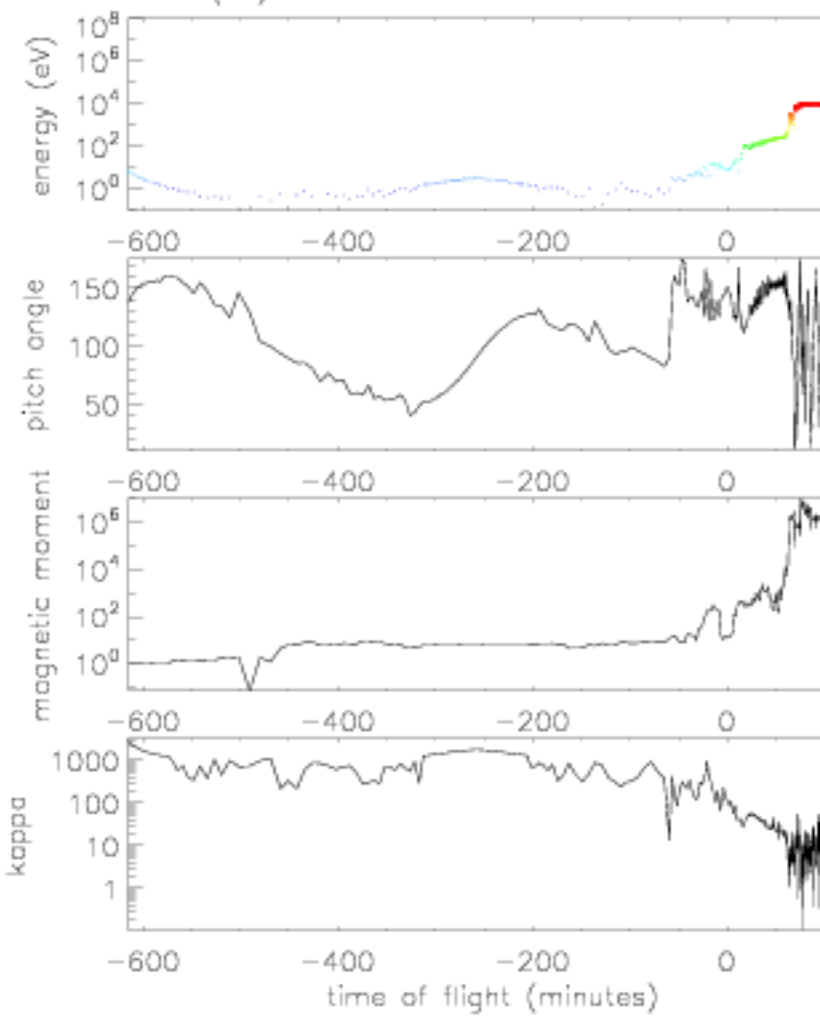

Start, Stop Parameters:

Time (minute): −614.8, 134.4
Magnetic local time: 13.570, 23.420
Magnetic latitude: 84.100,−10.810
Distance (Re): 1.16, 70.01
Energy (eV): 6.89, 13320.00
Pitch angle: 137.700, 32.290
Tilt angle (deg): 0.000

file: particle1574993.full

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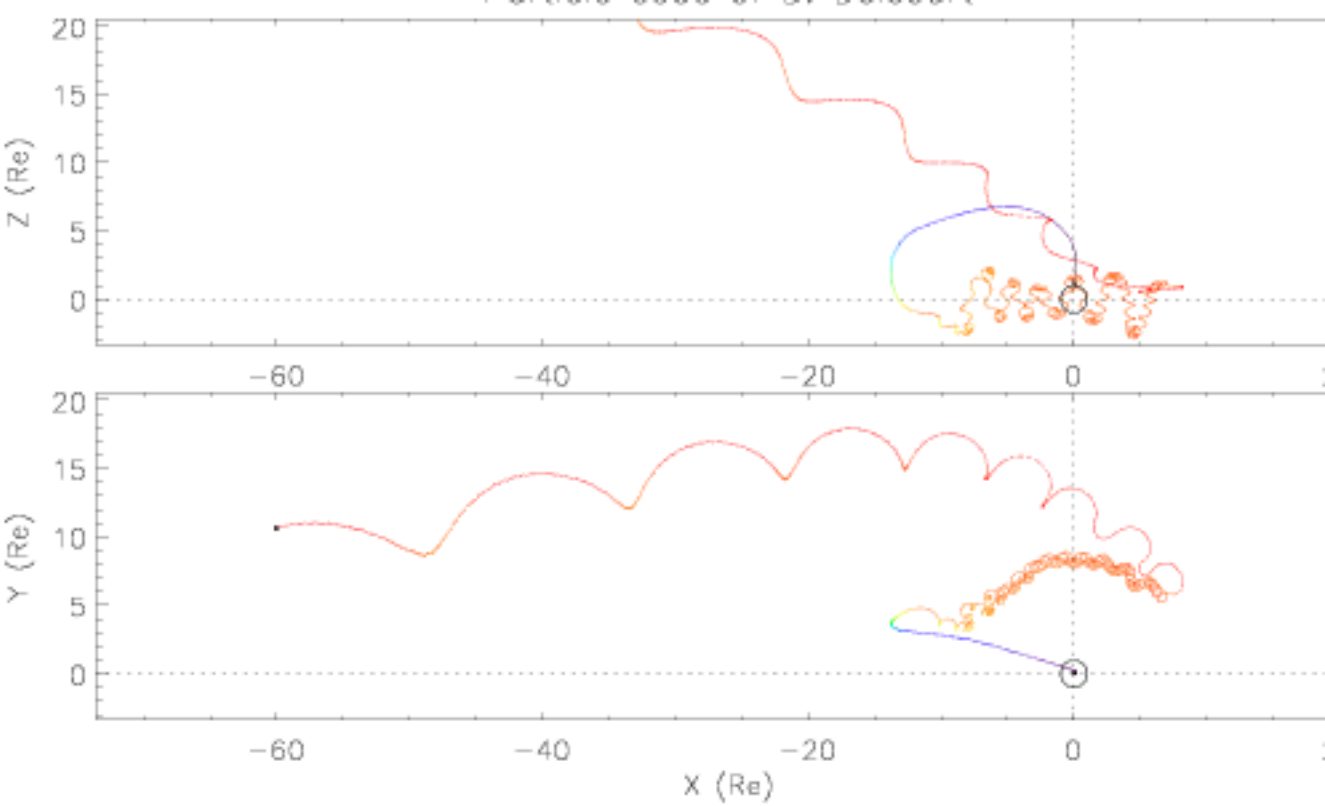

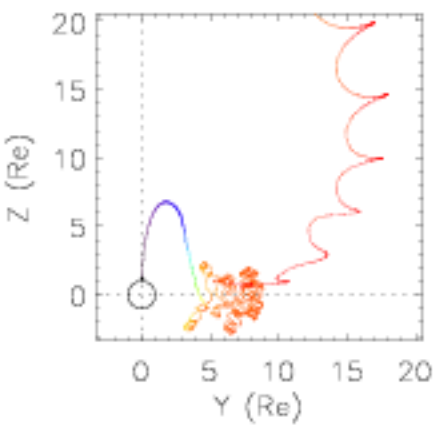

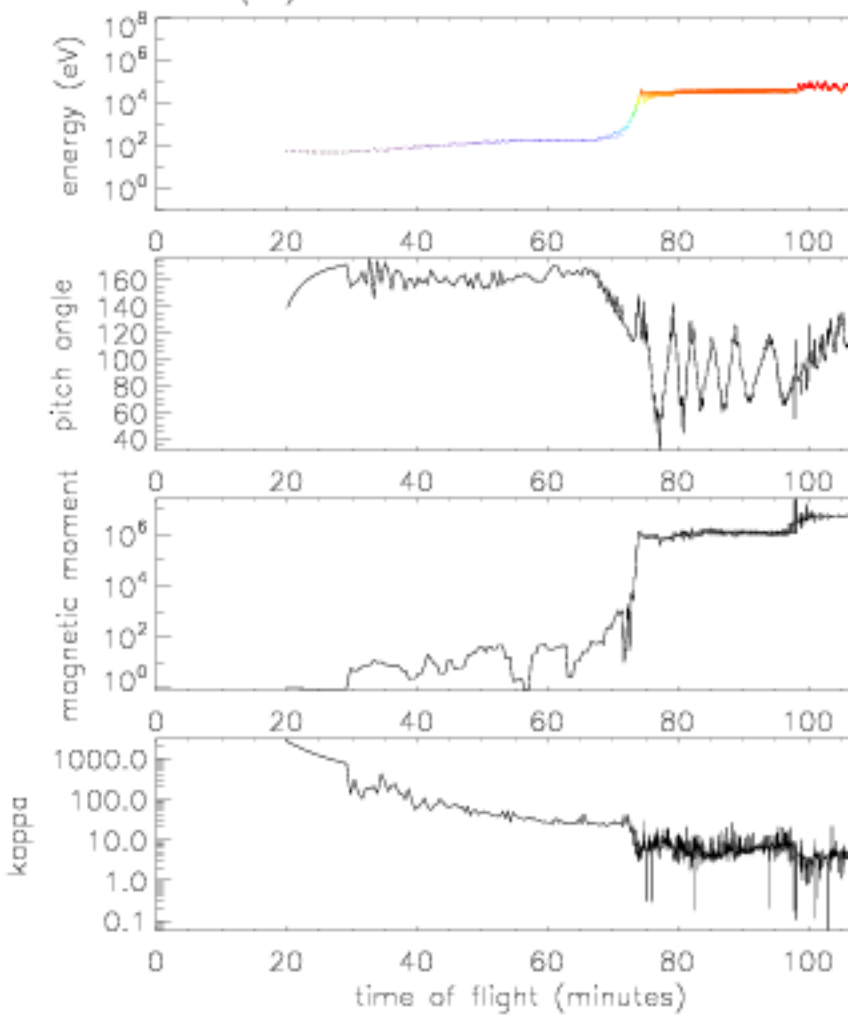

Start, Stop Parameters:

Time (minute): 20.0, 112.0
Magnetic local time: 14.830, 23.330
Magnetic latitude: 87.750, 29.450
Distance (Re): 1.16, 70.01
Energy (eV): 58.89, 68600.00
Pitch angle: 138.600, 133.300
Tilt angle (deg): 0.000

file: particle1595683.full

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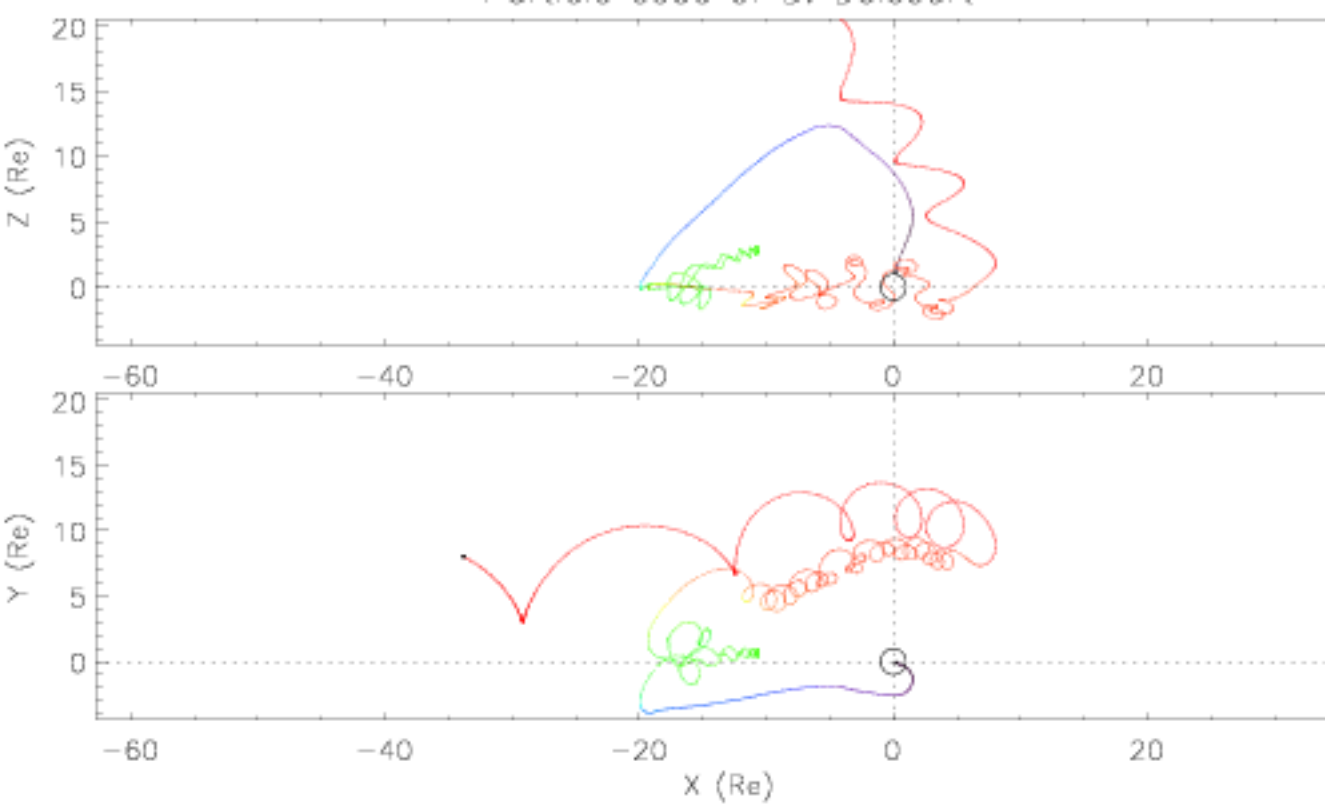

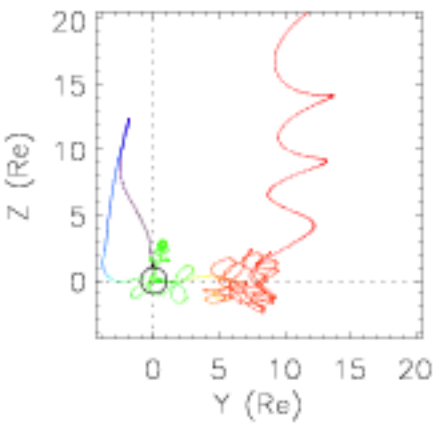

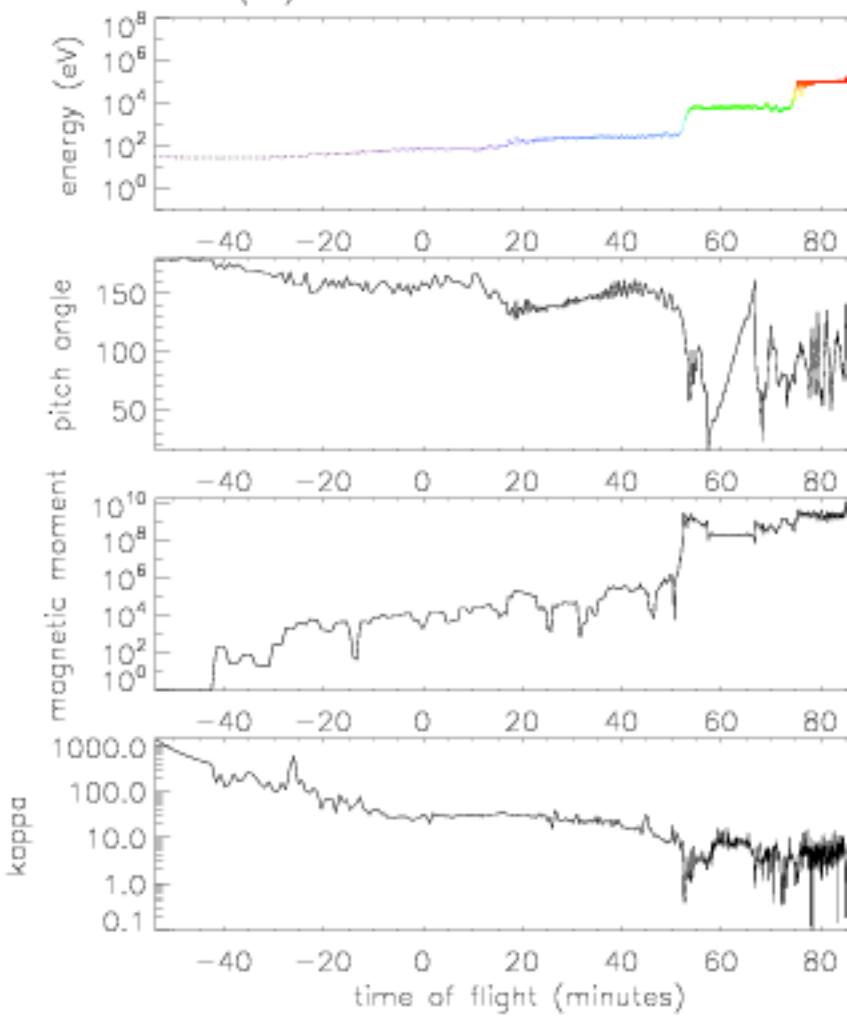

Start, Stop Parameters:

Time (minute): −53.8, 92.9
Magnetic local time: 10.330, 23.110
Magnetic latitude: 79.910, 60.240
Distance (Re): 1.16, 70.01
Energy (eV): 34.85, 219200.00
Pitch angle: 178.000, 144.100
Tilt angle (deg): 0.000

file: particle1661687.full

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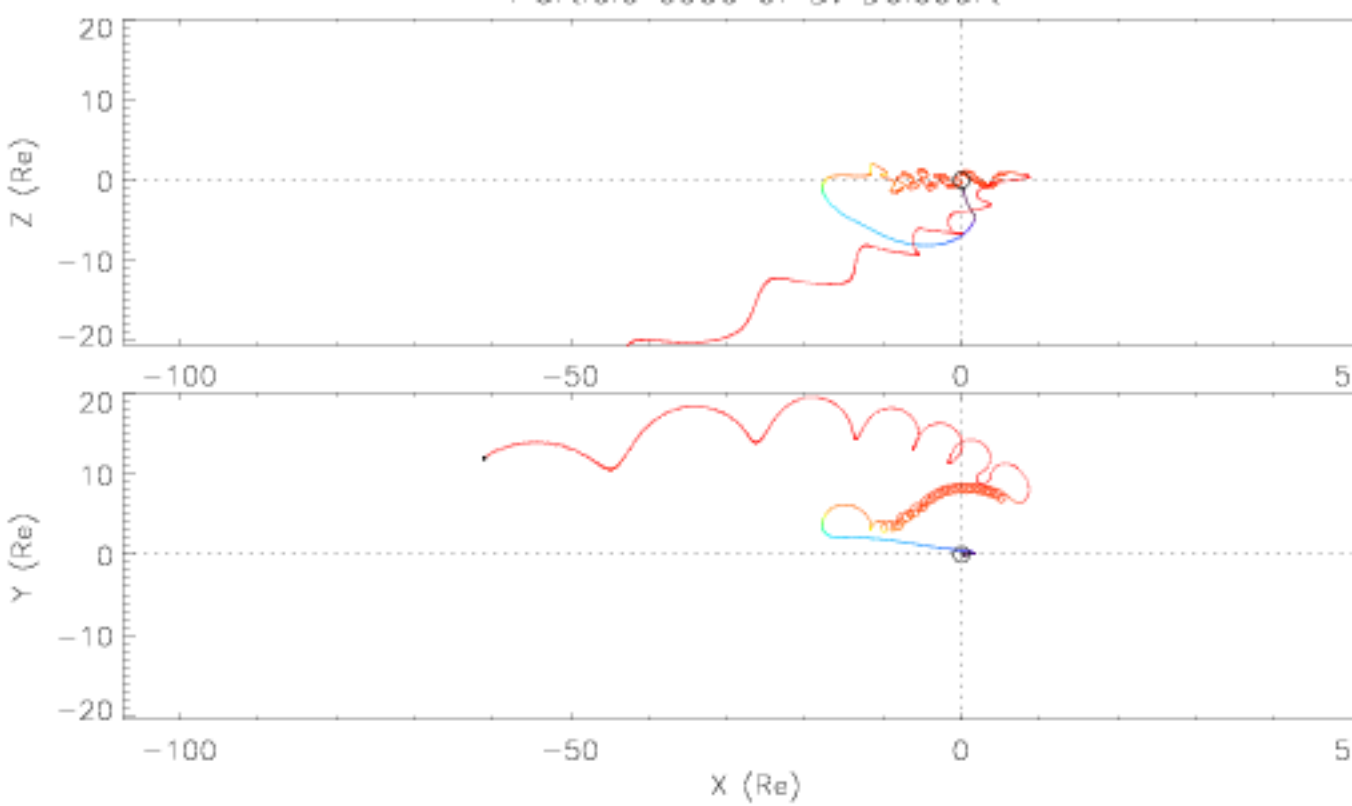

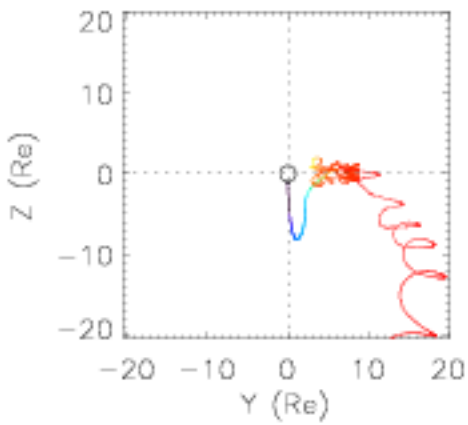

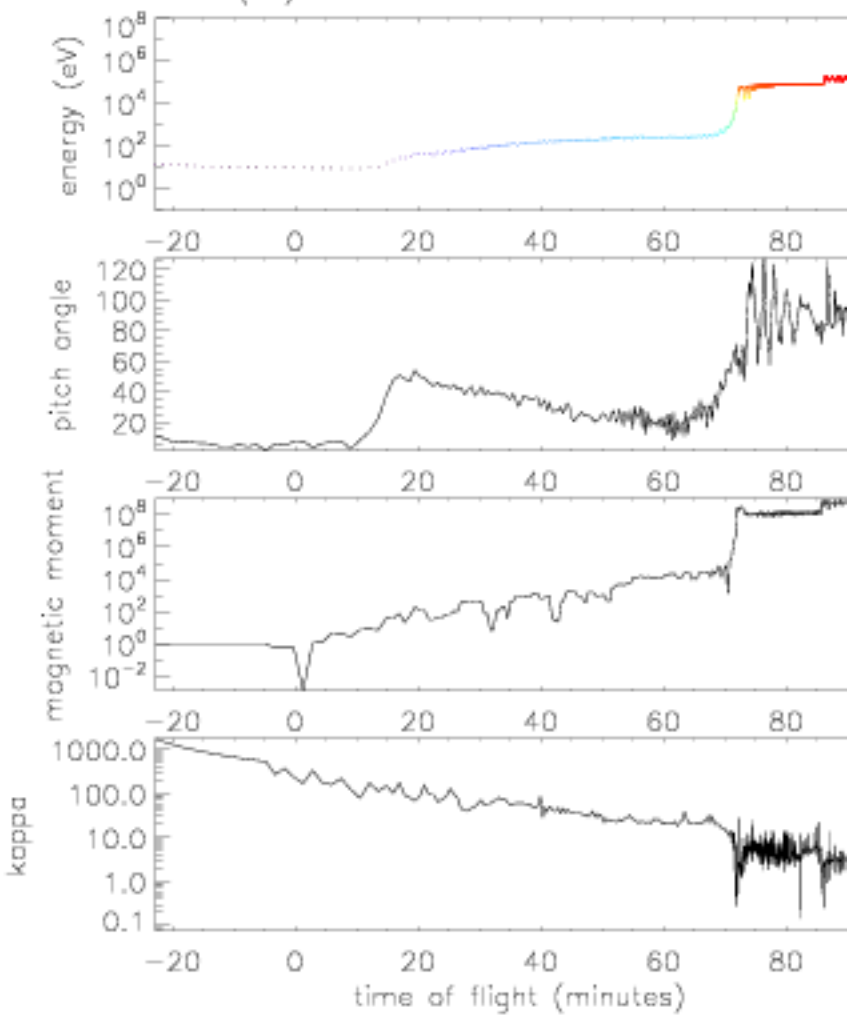

Start, Stop Parameters:

Time (minute): −22.9, 96.1
Magnetic local time: 11.860, 23.260
Magnetic latitude: −80.760, −27.260
Distance (Re): 1.16, 70.02
Energy (eV): 16.07, 135300.00
Pitch angle: 10.700, 49.550
Tilt angle (deg): 0.000

file: particle1706388.full

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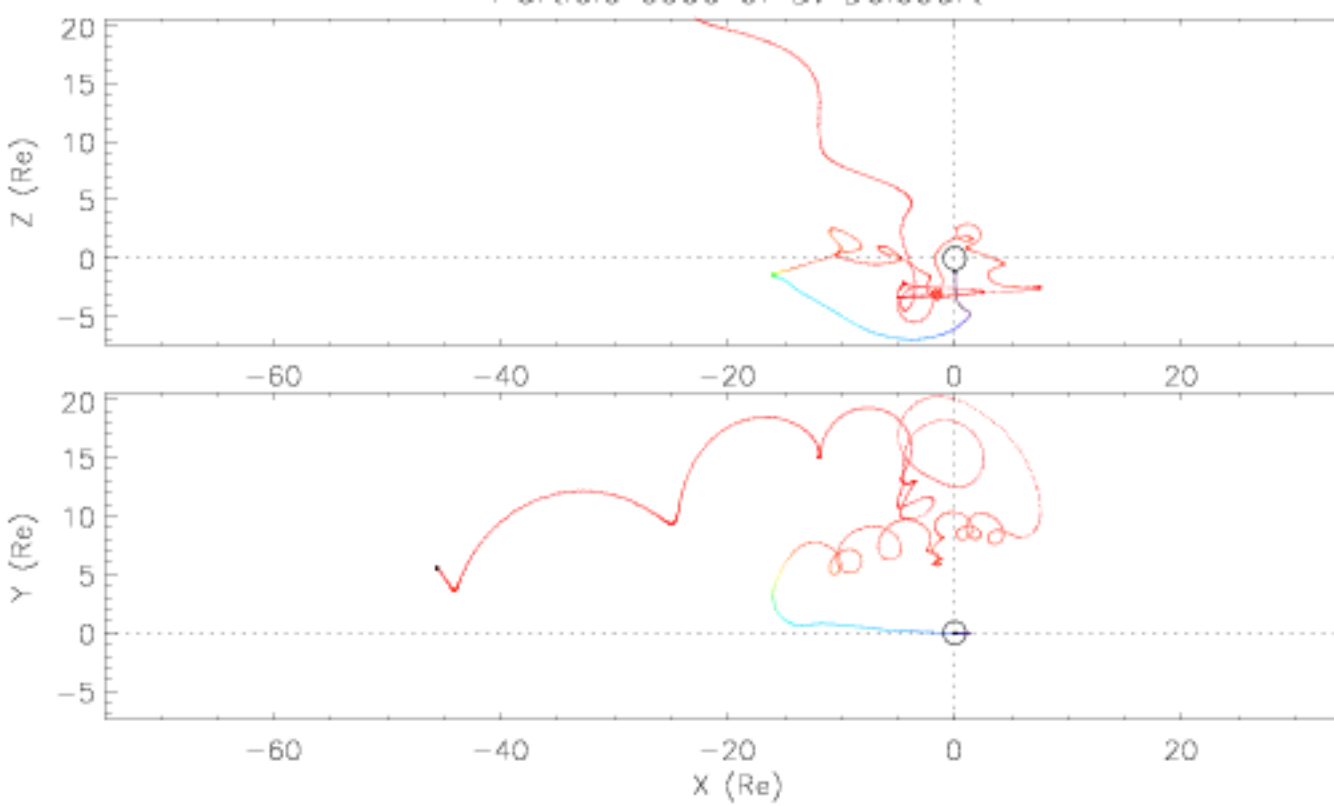

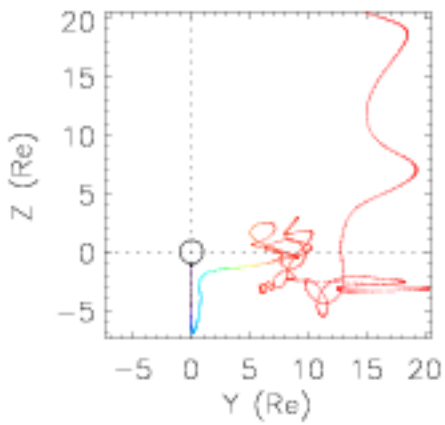

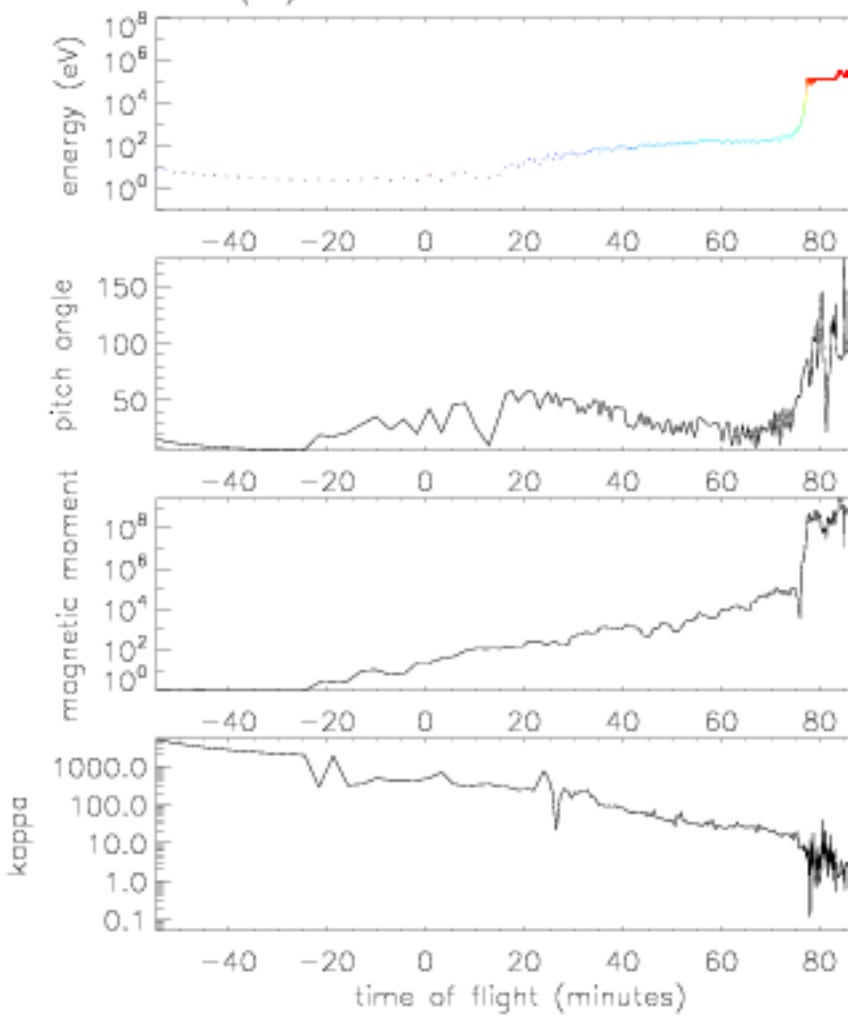

Start, Stop Parameters:

Time (minute): −54.7, 93.3
Magnetic local time: 8.267, 23.540
Magnetic latitude: −88.510, 48.940
Distance (Re): 1.16, 70.01
Energy (eV): 8.48, 193200.00
Pitch angle: 16.180, 151.700
Tilt angle (deg): 0.000

file: particle1716420.full

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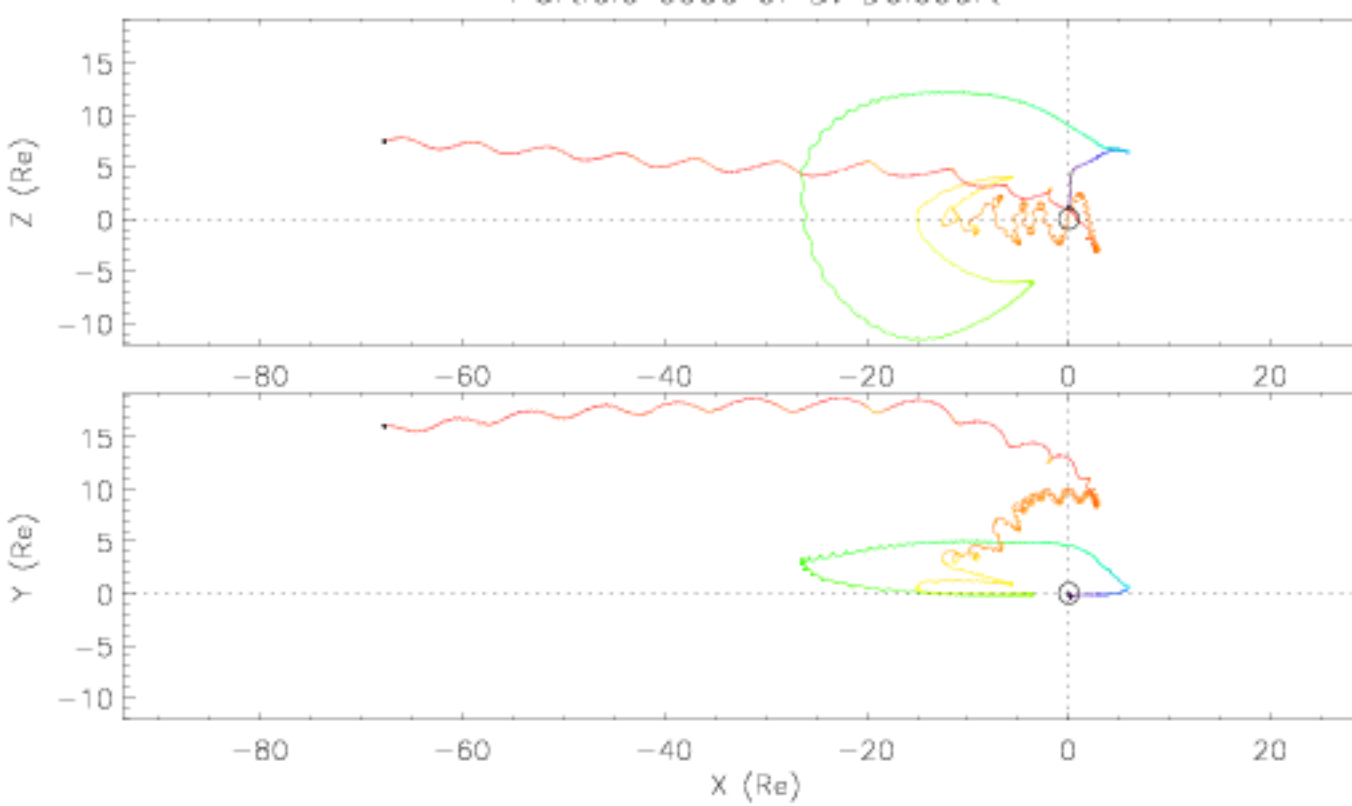

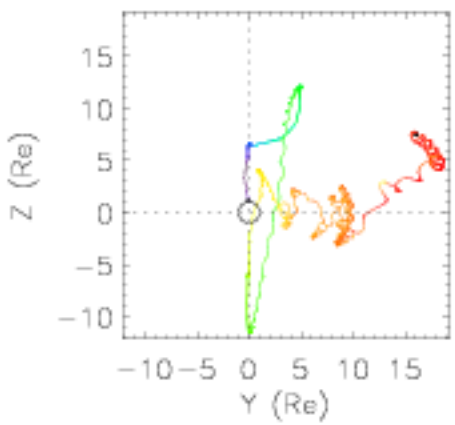

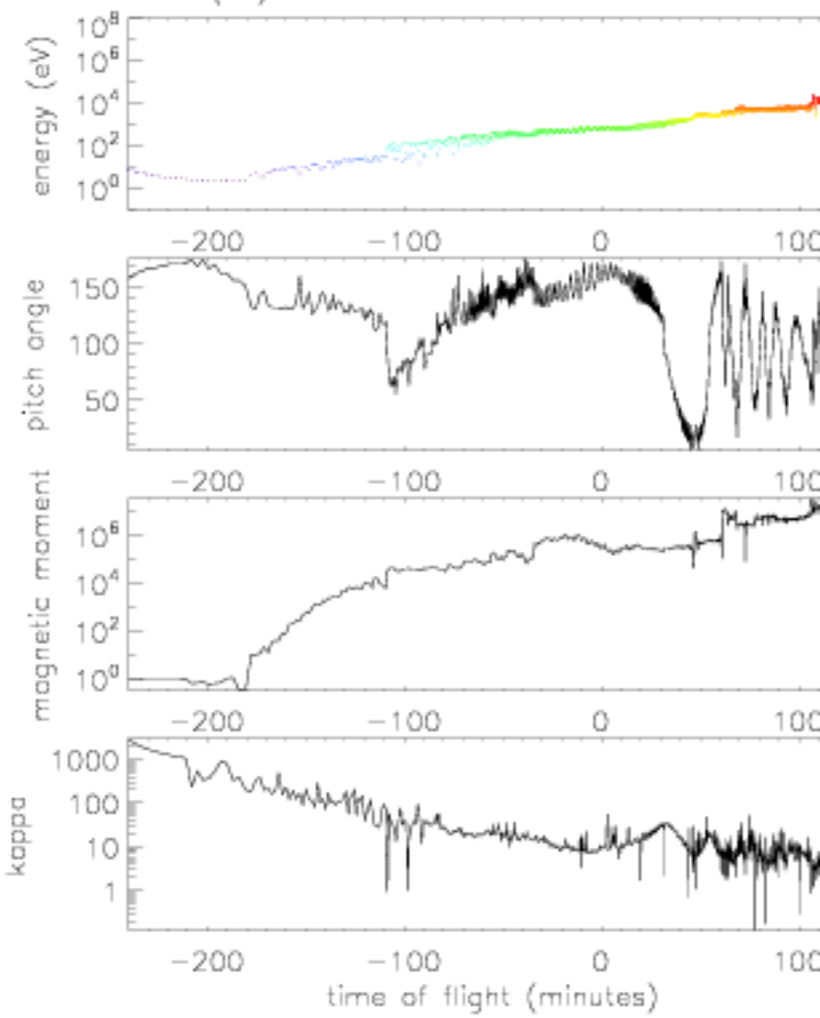

Start, Stop Parameters:

Time (minute): −239.8, 130.3
Magnetic local time: 7.018, 23.110
Magnetic latitude: 85.110, 6.113
Distance (Re): 1.16, 70.01
Energy (eV): 8.69, 13610.00
Pitch angle: 157.800, 154.500
Tilt angle (deg): 0.000

file: particle1733189.full

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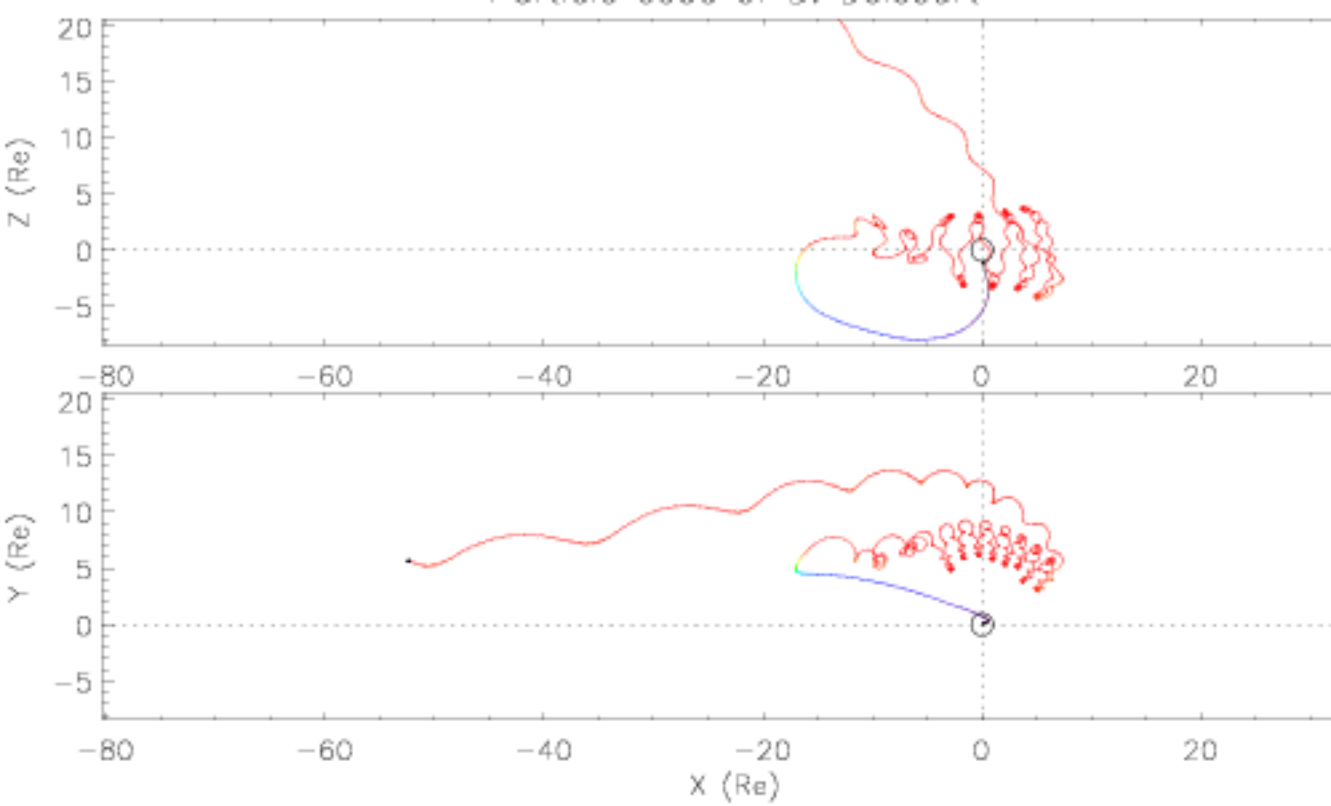

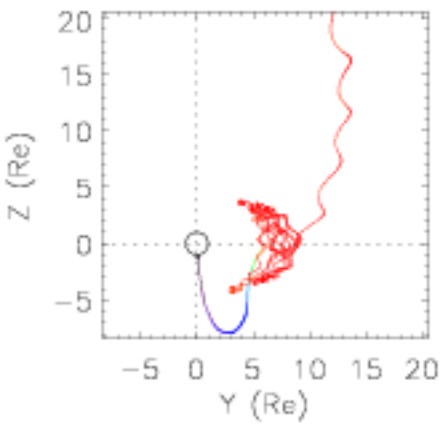

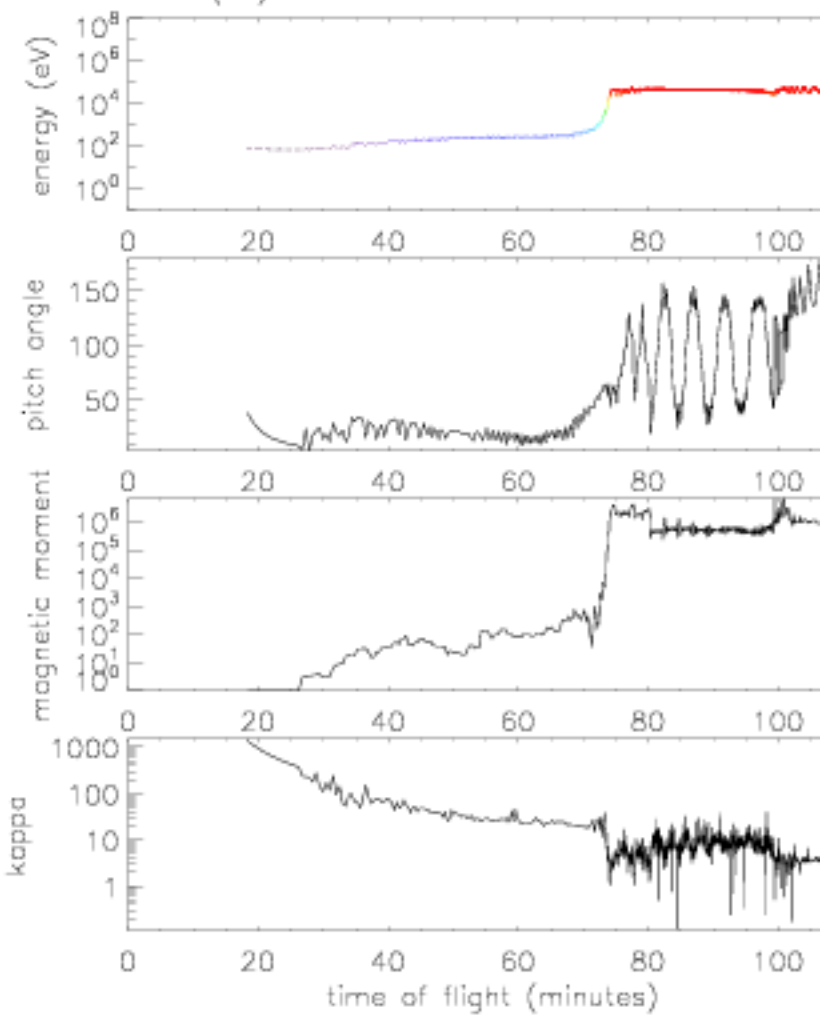

Start, Stop Parameters:

Time (minute): 18.3, 112.3
Magnetic local time: 13.550, 23.590
Magnetic latitude: −82.910, 41.240
Distance (Re): 1.16, 70.01
Energy (eV): 77.78, 43730.00
Pitch angle: 38.230, 155.100
Tilt angle (deg): 0.000

file: particle1741126.full

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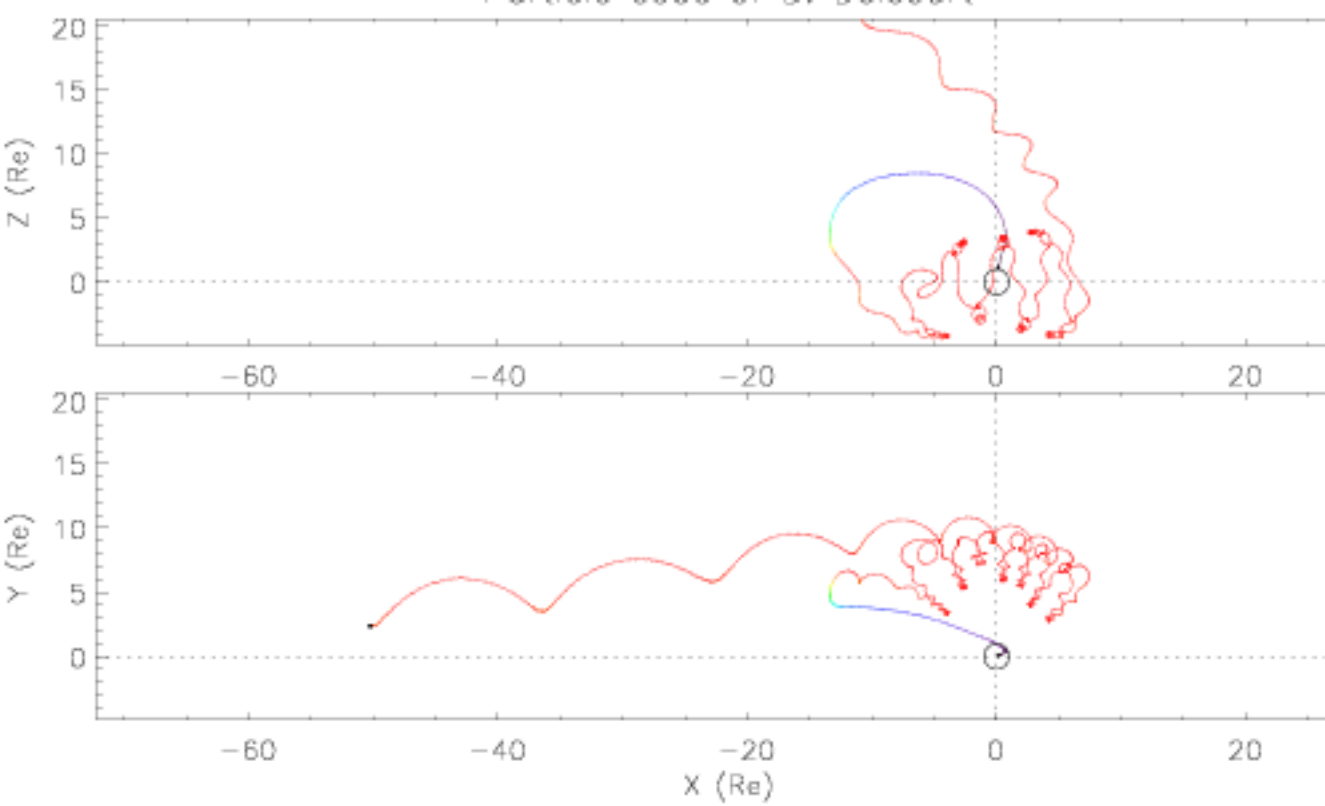

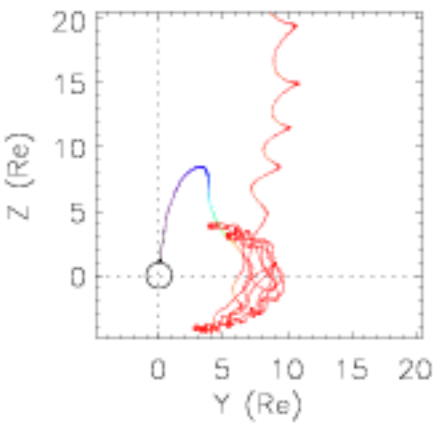

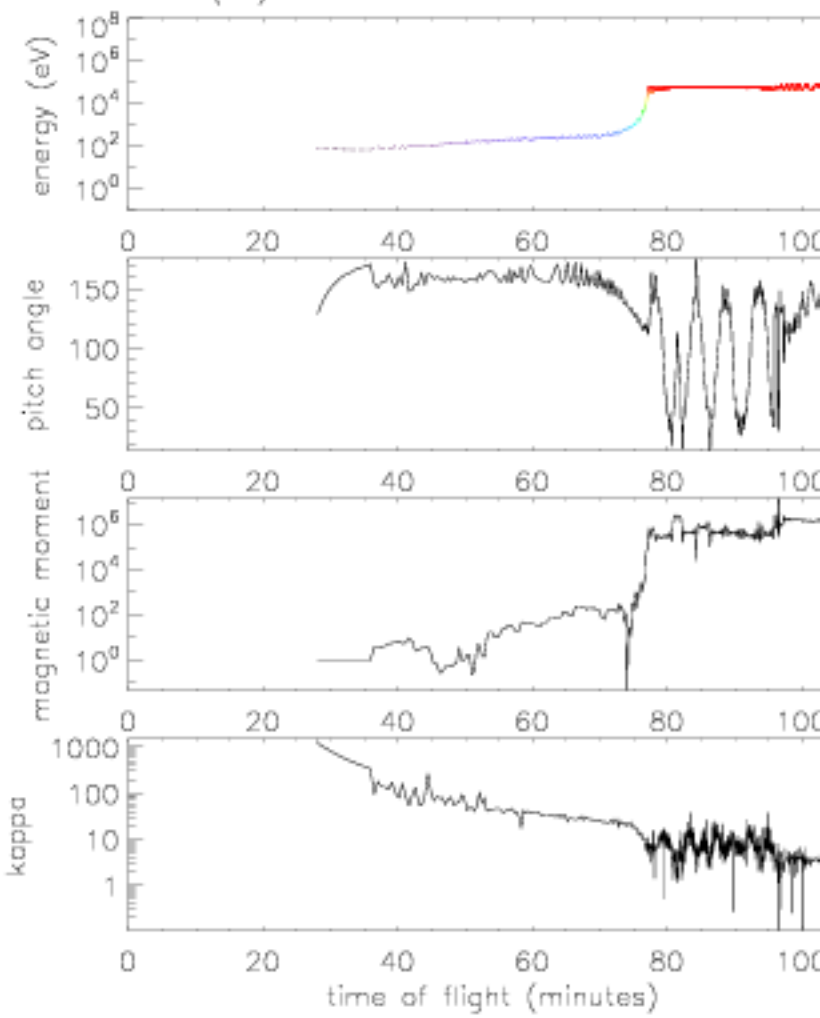

Start, Stop Parameters:

Time (minute): 28.1, 108.3
Magnetic local time: 13.640, 23.820
Magnetic latitude: 81.250, 44.070
Distance (Re): 1.16, 70.00
Energy (eV): 77.89, 40920.00
Pitch angle: 128.800, 170.300
Tilt angle (deg): 0.000

file: particle1818365.full

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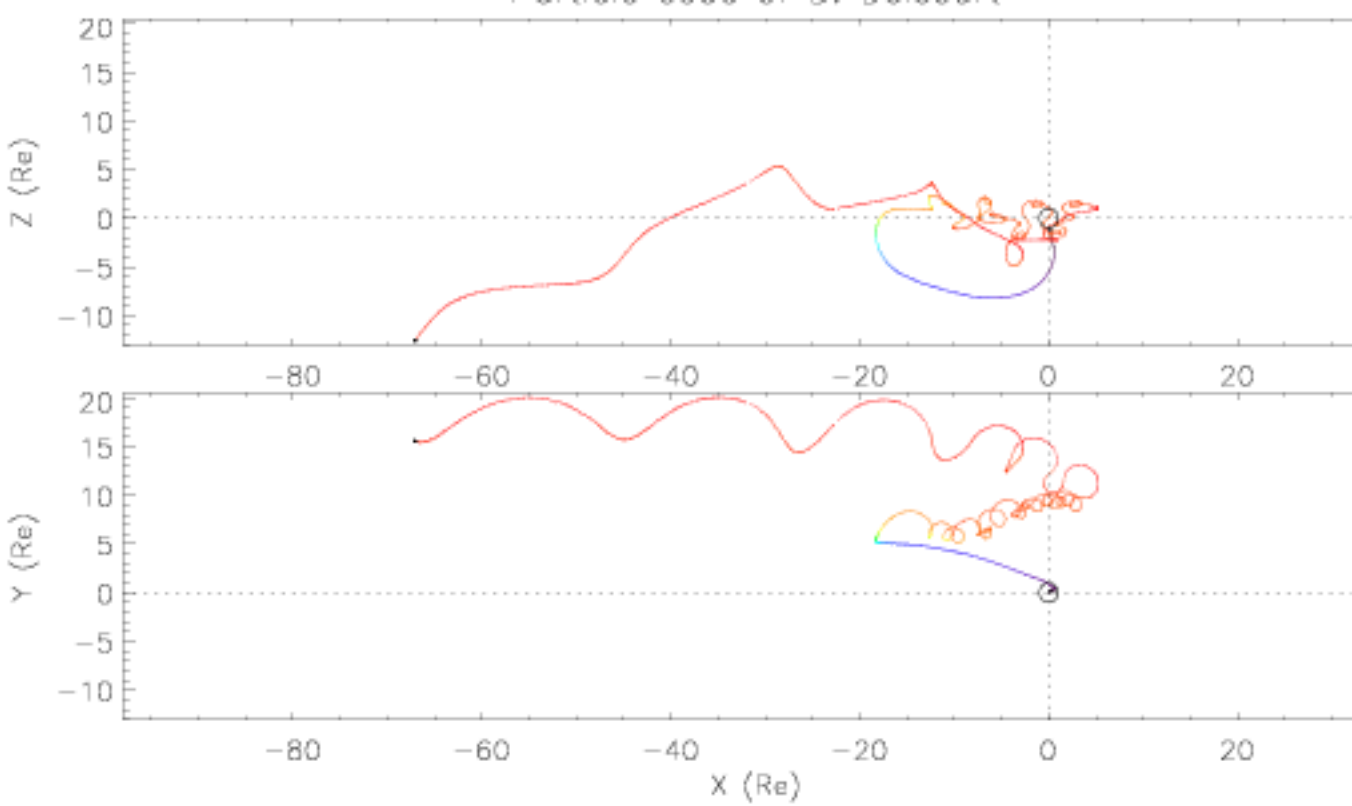

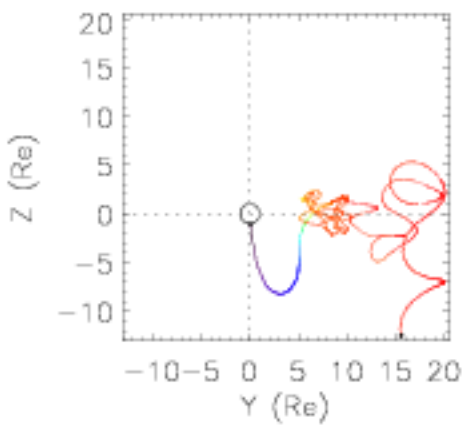

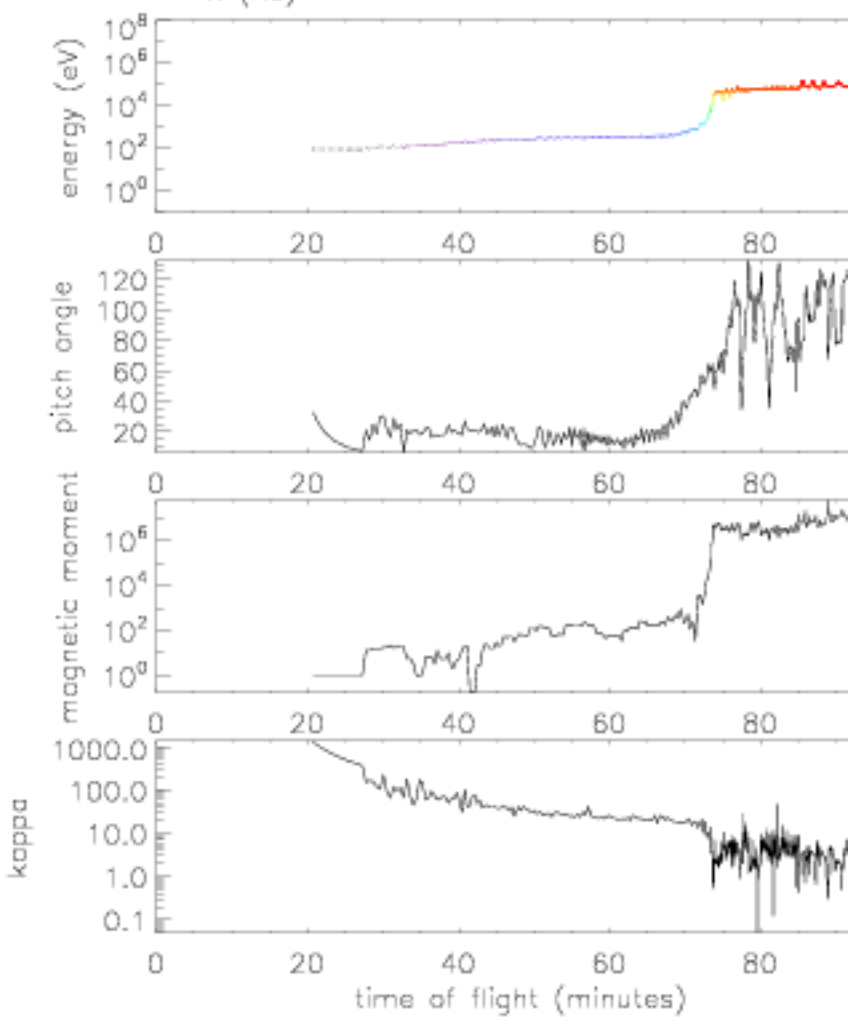

Start, Stop Parameters:

Time (minute): 20.8, 96.7
Magnetic local time: 13.900, 23.130
Magnetic latitude: −82.790, −10.320
Distance (Re): 1.16, 70.00
Energy (eV): 97.08, 82620.00
Pitch angle: 32.690, 31.540
Tilt angle (deg): 0.000

file: particle1832340.full

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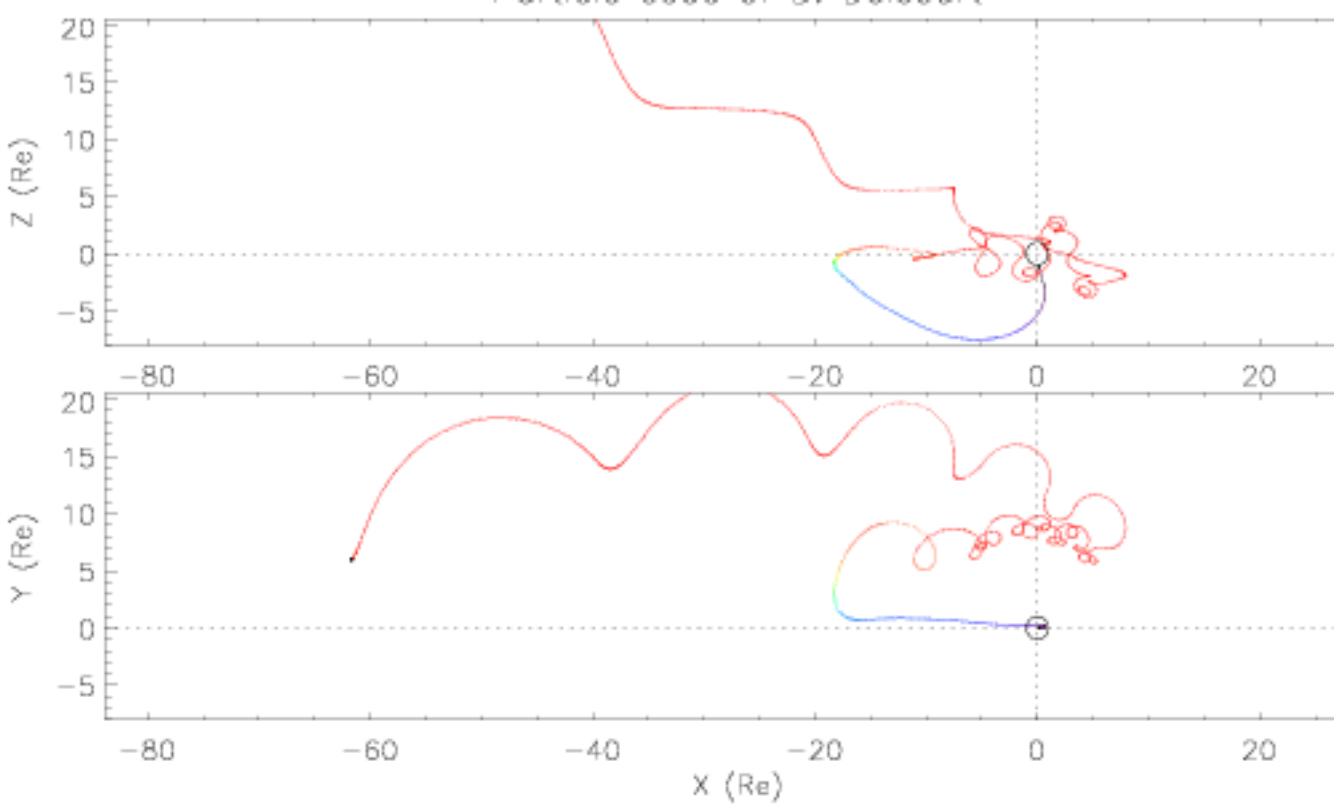

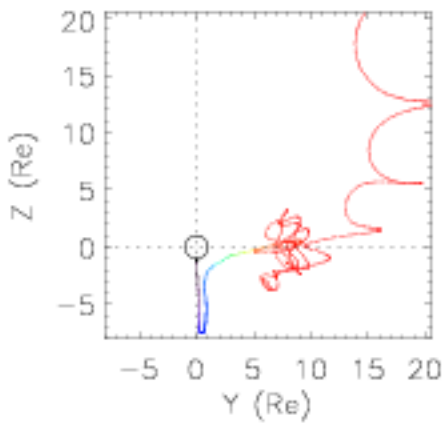

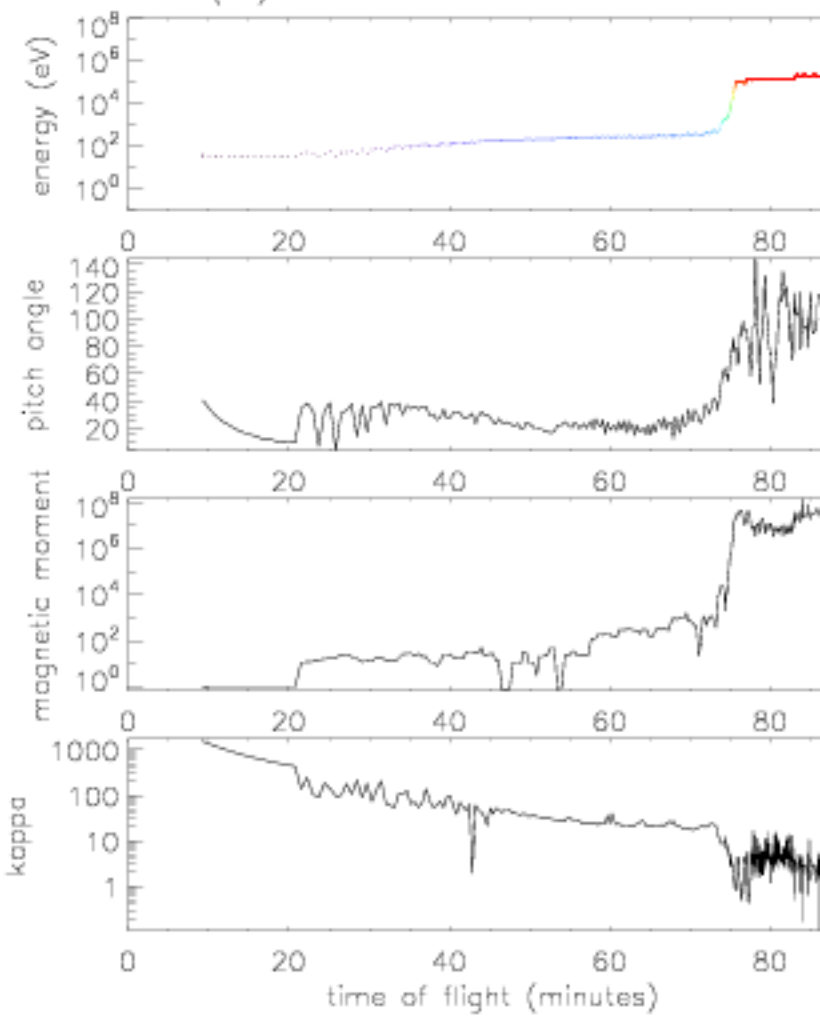

Start, Stop Parameters:

Time (minute): 9.3, 90.9
Magnetic local time: 12.400, 23.630
Magnetic latitude: −82.180, 27.750
Distance (Re): 1.16, 70.01
Energy (eV): 38.42, 136500.00
Pitch angle: 40.330, 139.200
Tilt angle (deg): 0.000

file: particle1858798.full

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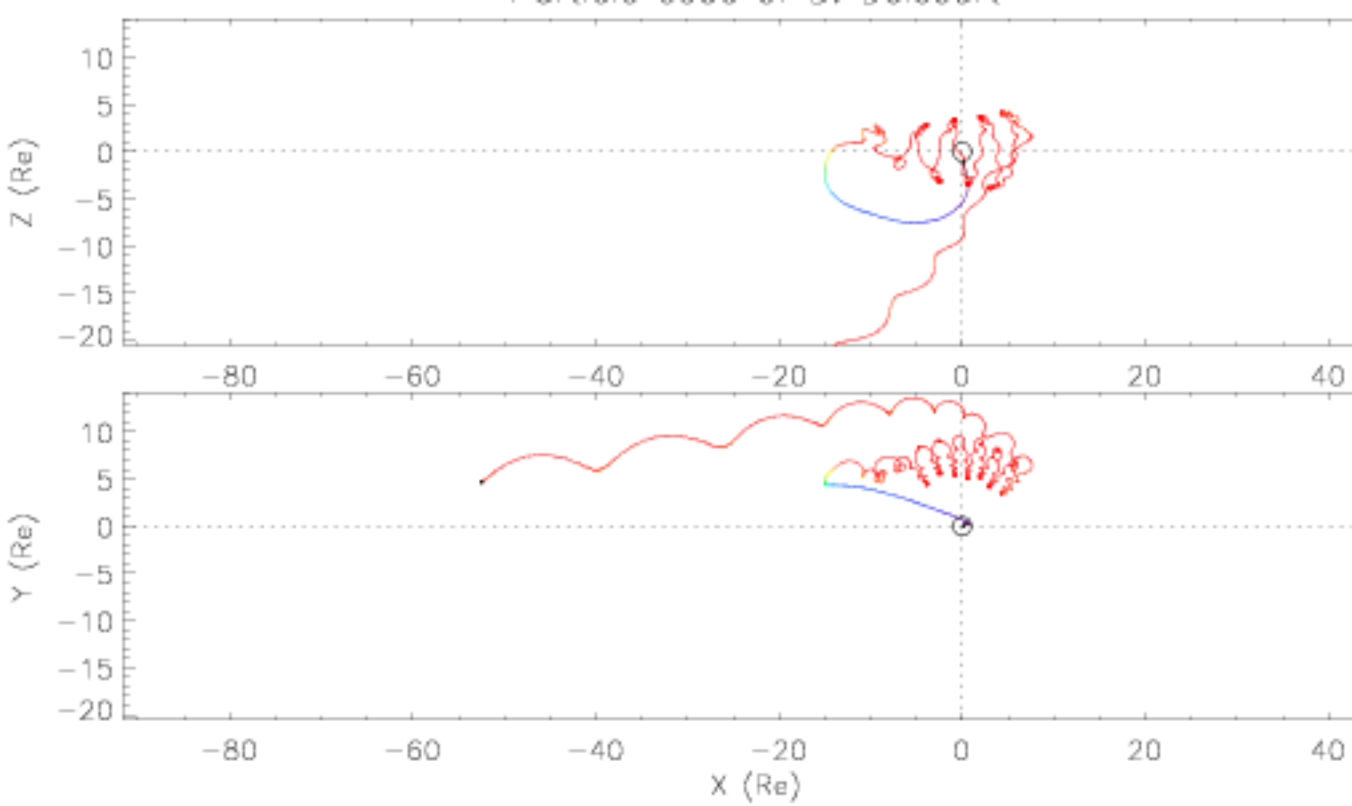

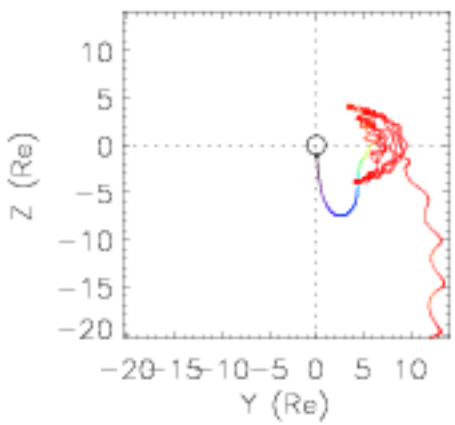

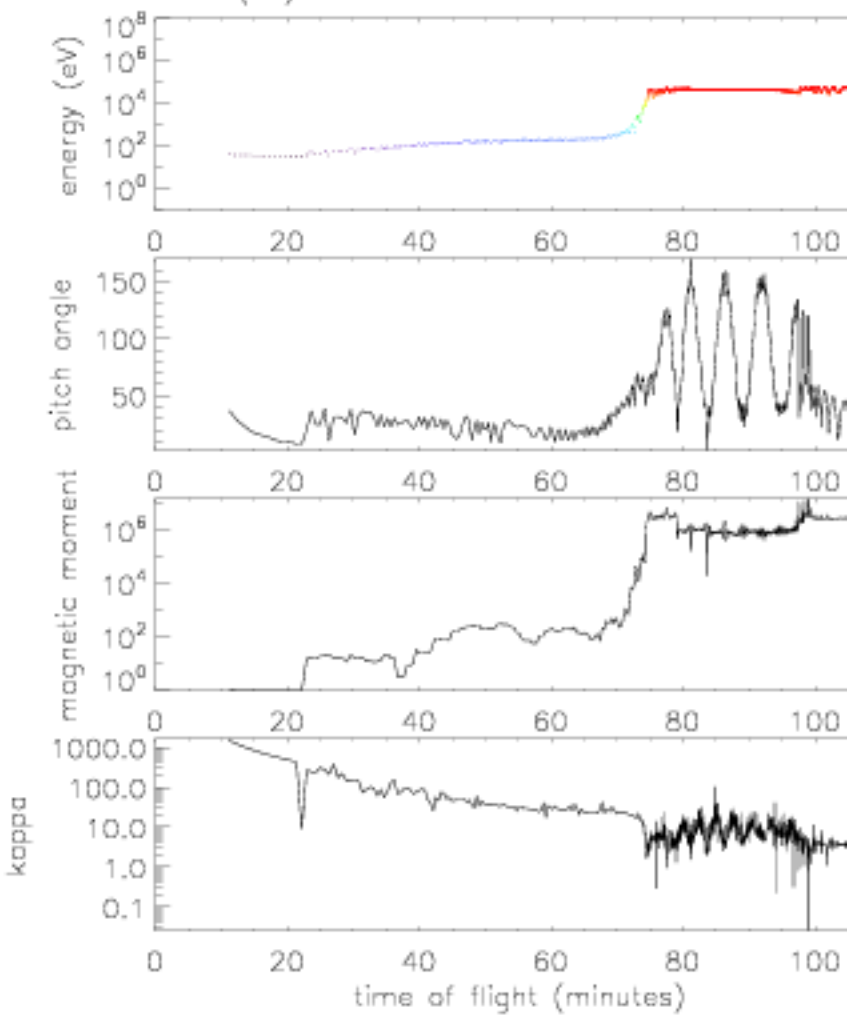

Start, Stop Parameters:

Time (minute): 11.2, 110.7
Magnetic local time: 13.110, 23.660
Magnetic latitude: −81.920, −41.140
Distance (Re): 1.16, 70.00
Energy (eV): 41.75, 33860.00
Pitch angle: 36.830, 10.820
Tilt angle (deg): 0.000

file: particle1881216.full

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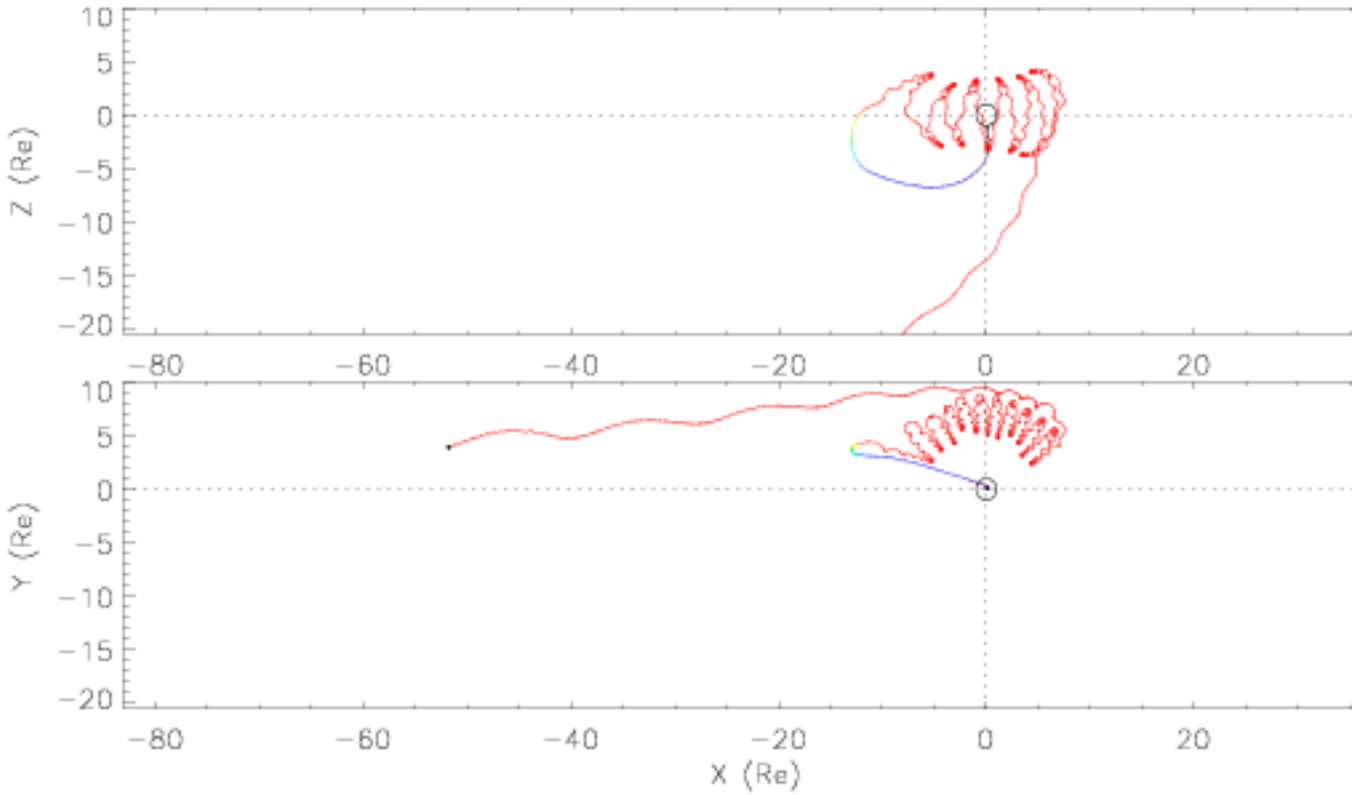

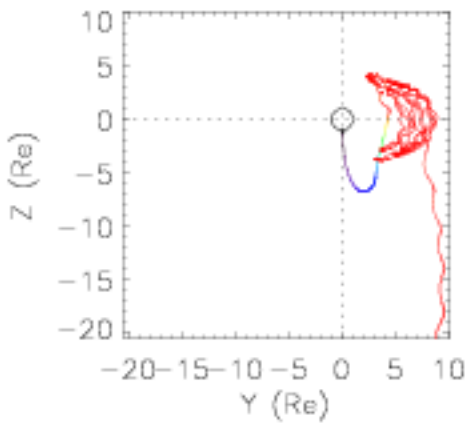

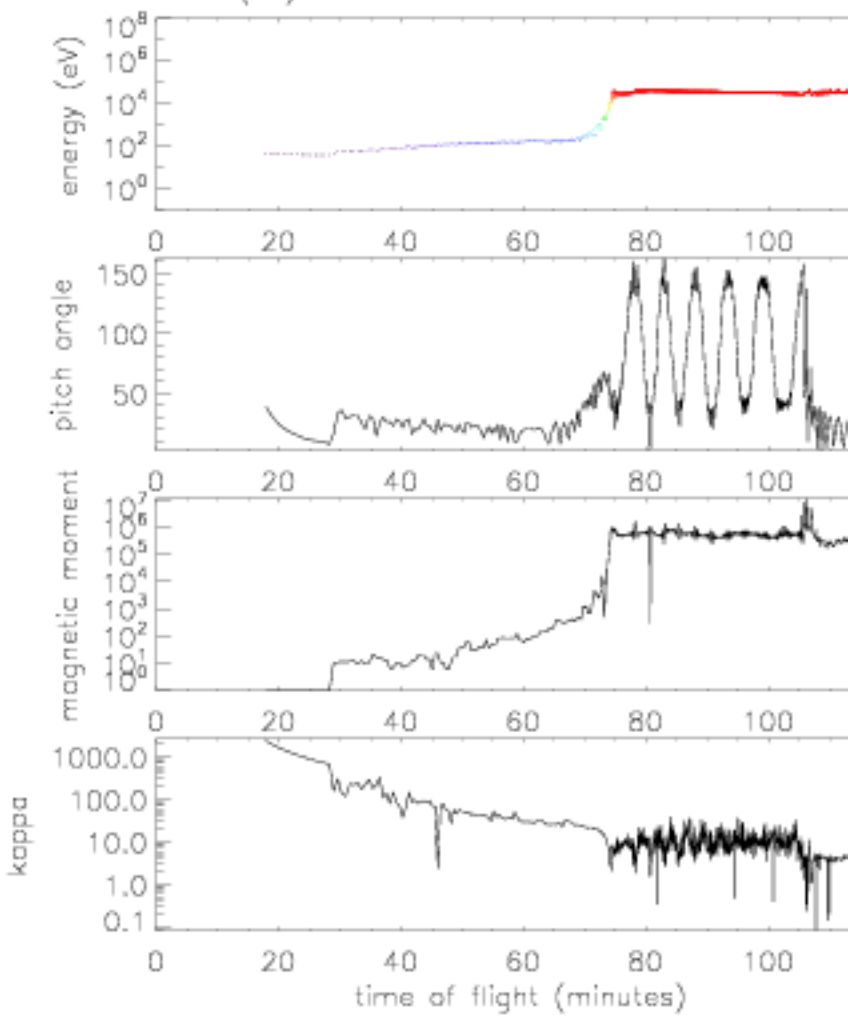

Start, Stop Parameters:

Time (minute): 17.9, 119.3
Magnetic local time: 14.030, 23.710
Magnetic latitude: −86.840, −42.110
Distance (Re): 1.16, 70.01
Energy (eV): 46.21, 30830.00
Pitch angle: 39.000, 12.870
Tilt angle (deg): 0.000

file: particle1937930.full

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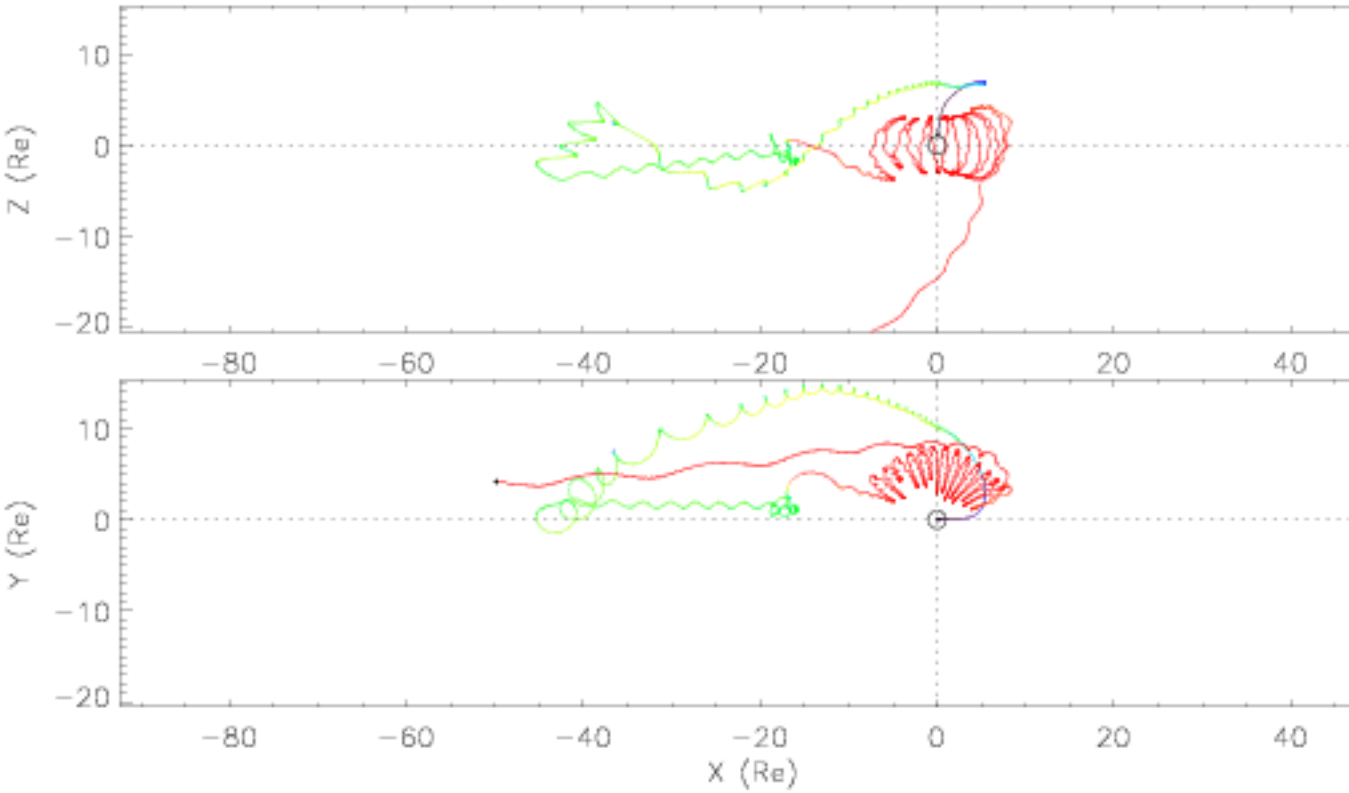

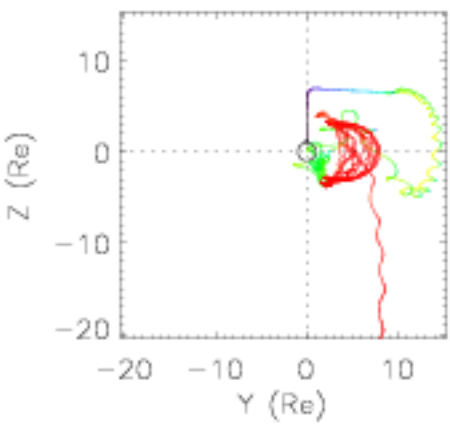

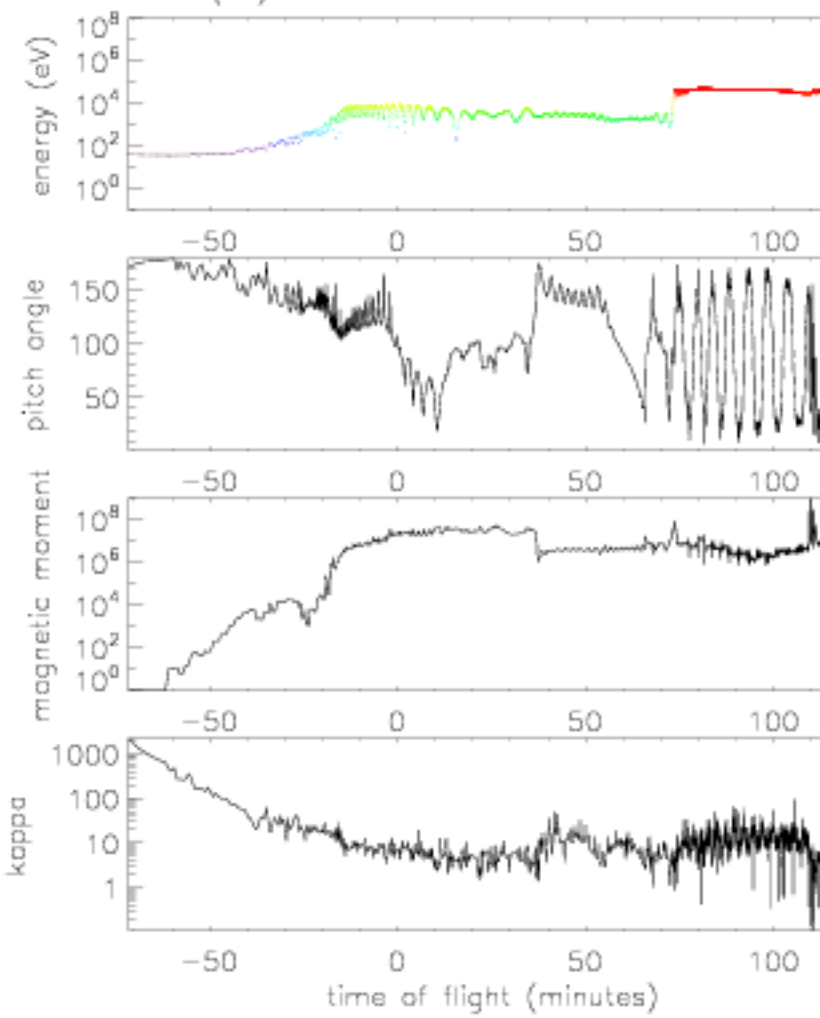

Start, Stop Parameters:

Time (minute): −71.6, 122.5
Magnetic local time: 11.750, 23.680
Magnetic latitude: 86.200,−44.430
Distance (Re): 1.16, 70.01
Energy (eV): 44.53, 47850.00
Pitch angle: 170.300, 32.750
Tilt angle (deg): 0.000

file: particle1955283.full

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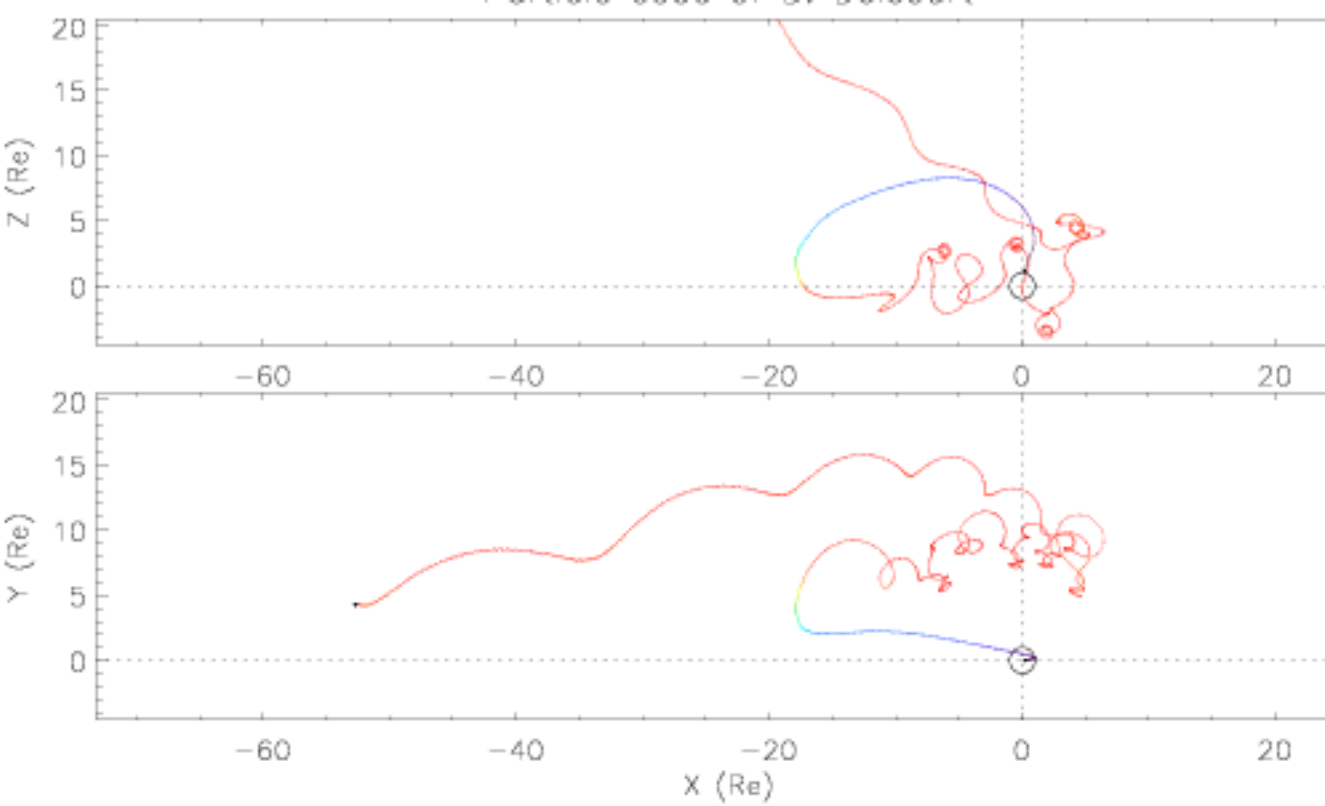

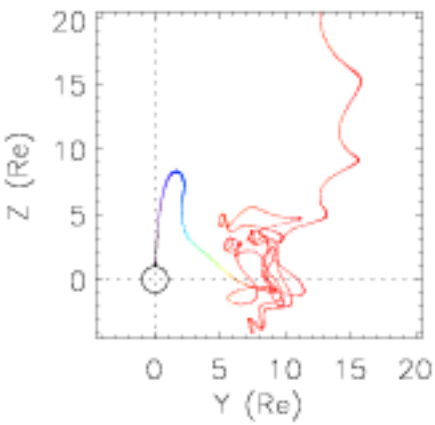

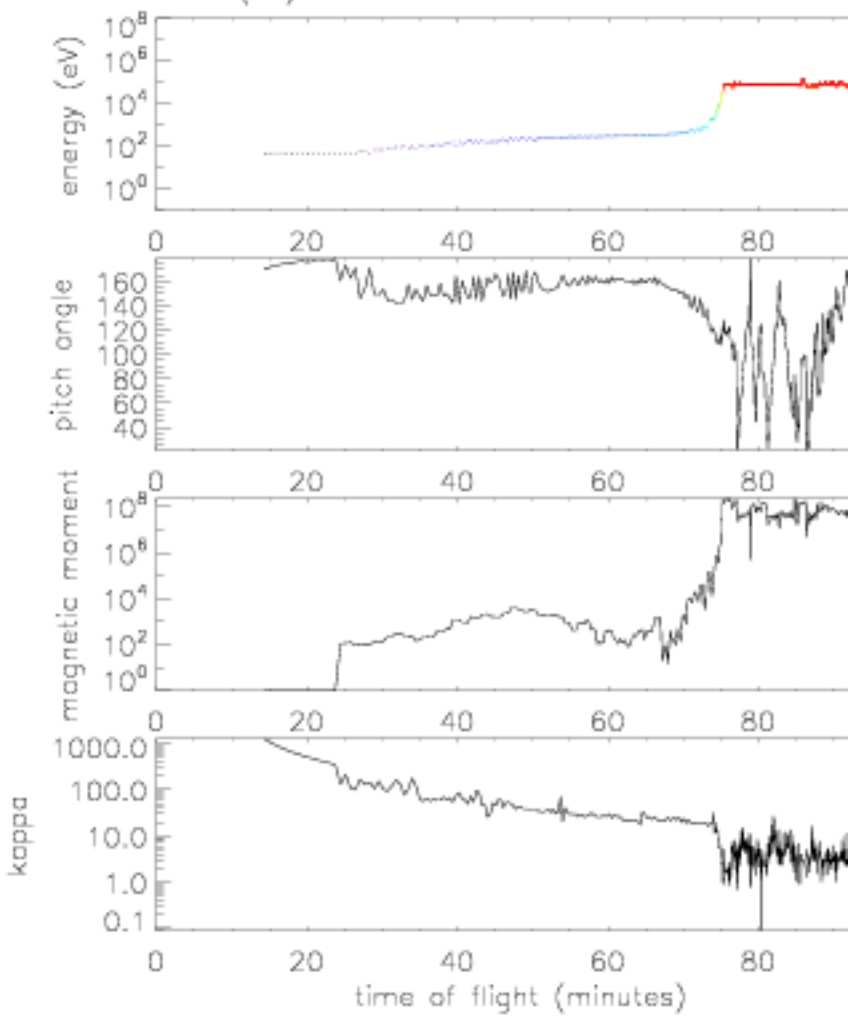

Start, Stop Parameters:

Time (minute): 14.3, 96.9
Magnetic local time: 12.460, 23.690
Magnetic latitude: 79.850, 40.970
Distance (Re): 1.16, 70.00
Energy (eV): 47.95, 66830.00
Pitch angle: 170.200, 164.600
Tilt angle (deg): 0.000

file: particle1978639.full

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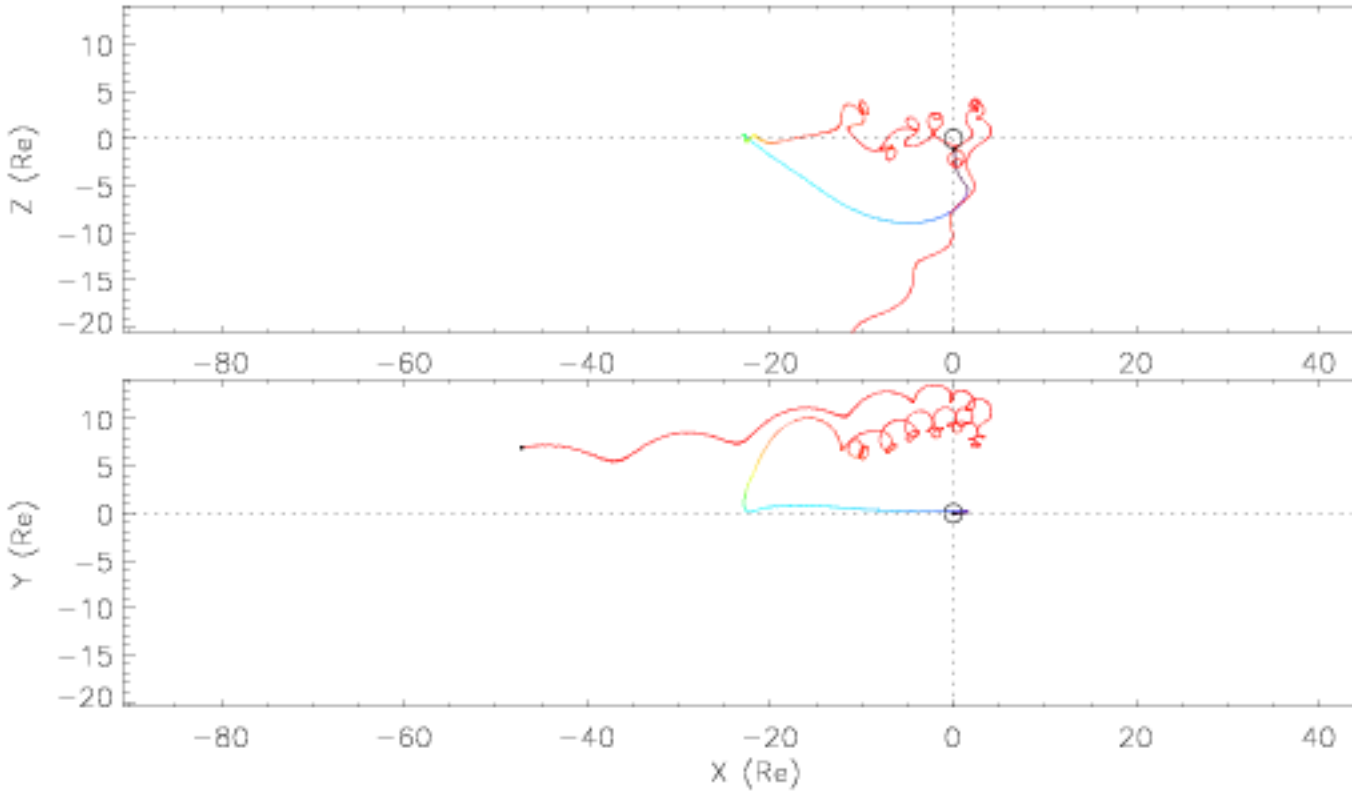

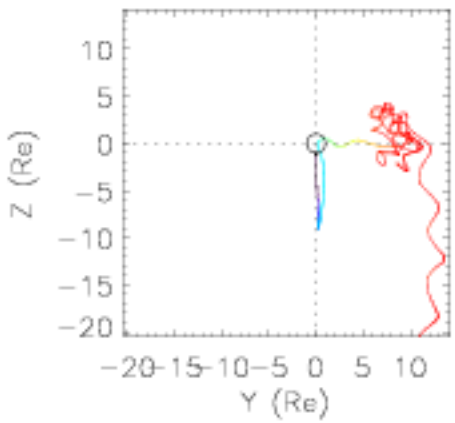

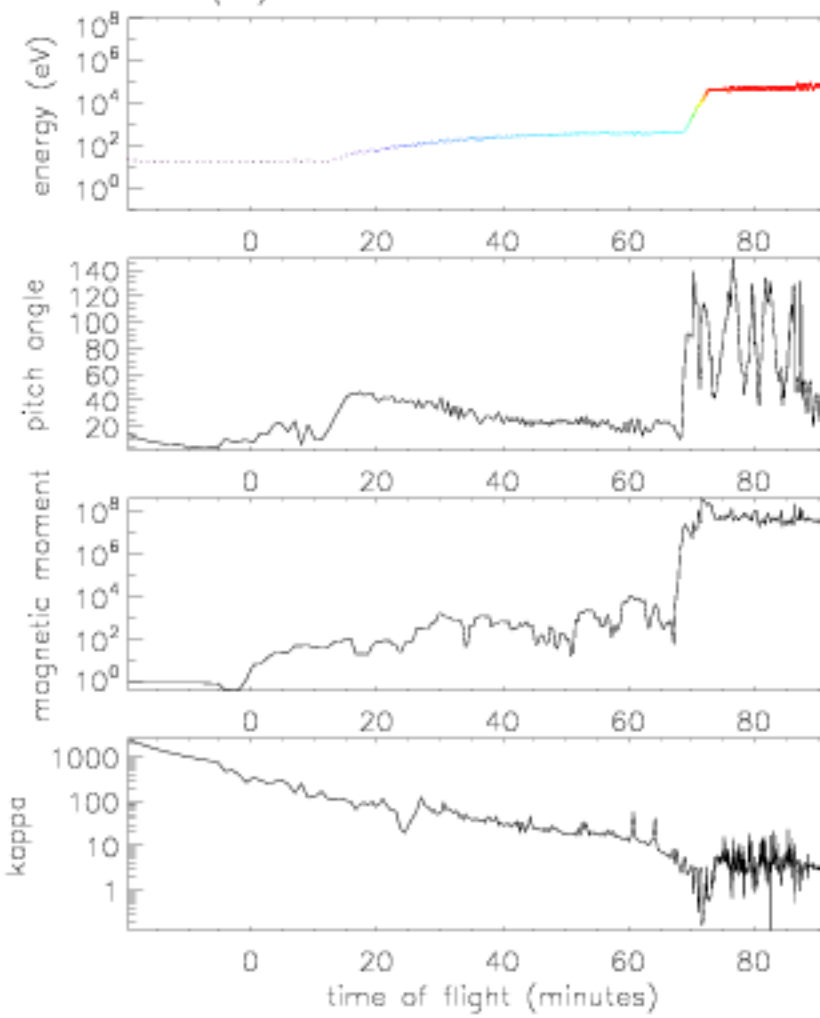

Start, Stop Parameters:

Time (minute): −19.5, 96.5
Magnetic local time: 11.910, 23.440
Magnetic latitude: −86.280, −47.070
Distance (Re): 1.16, 70.00
Energy (eV): 23.36, 86840.00
Pitch angle: 13.830, 41.860
Tilt angle (deg): 0.000

file: particle1987462.full

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