Selection Criteria:

Auroral wind, Sbz

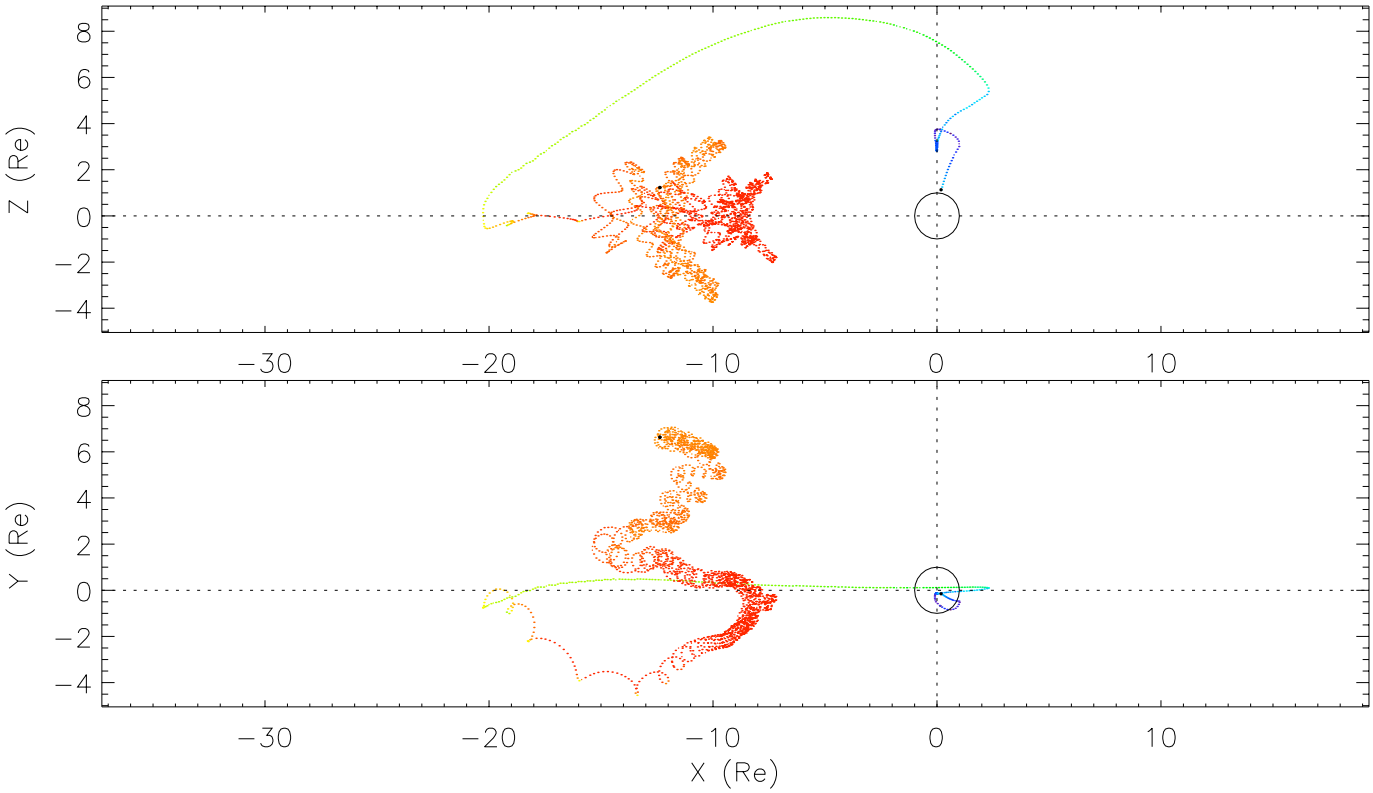
Time = 70 ± 5 minutes

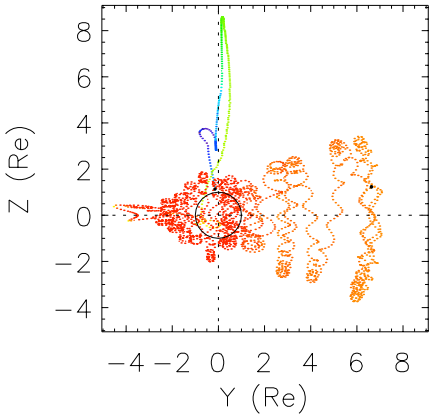
Latitude = 0 ± 10 deg

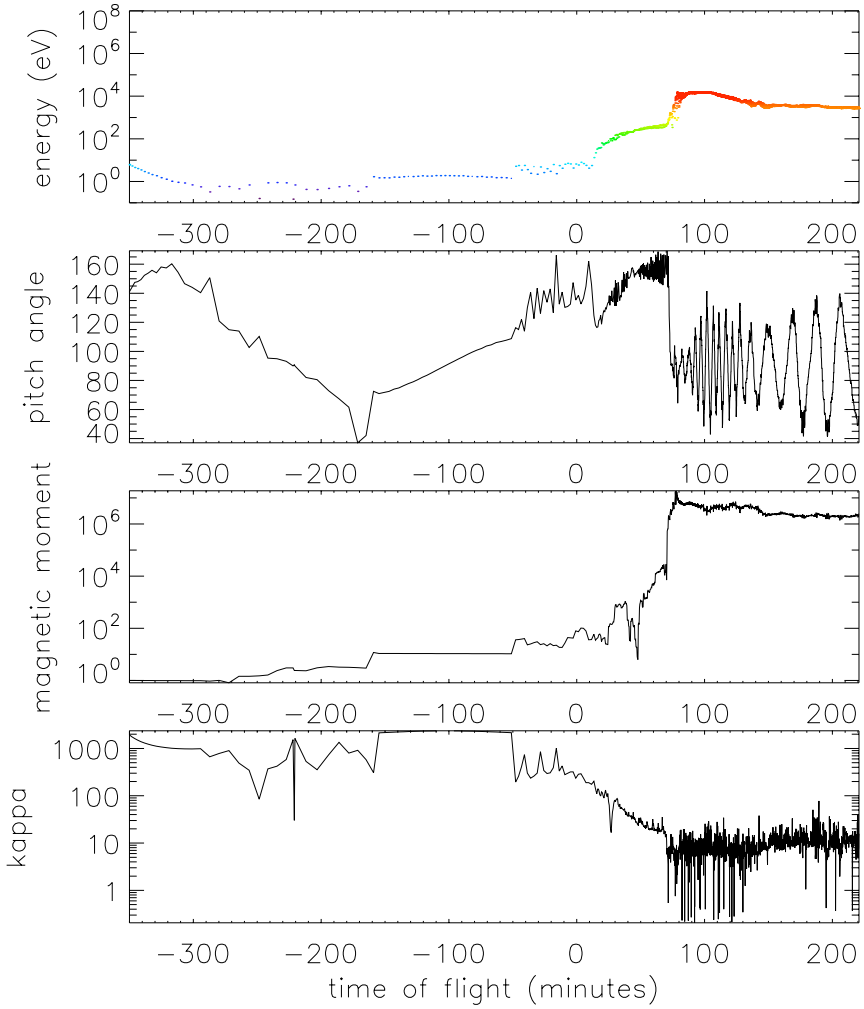
LT = 01 ± 1 hr

R = 20 ± 1 RE

Particle code of D. Delcourt, O+







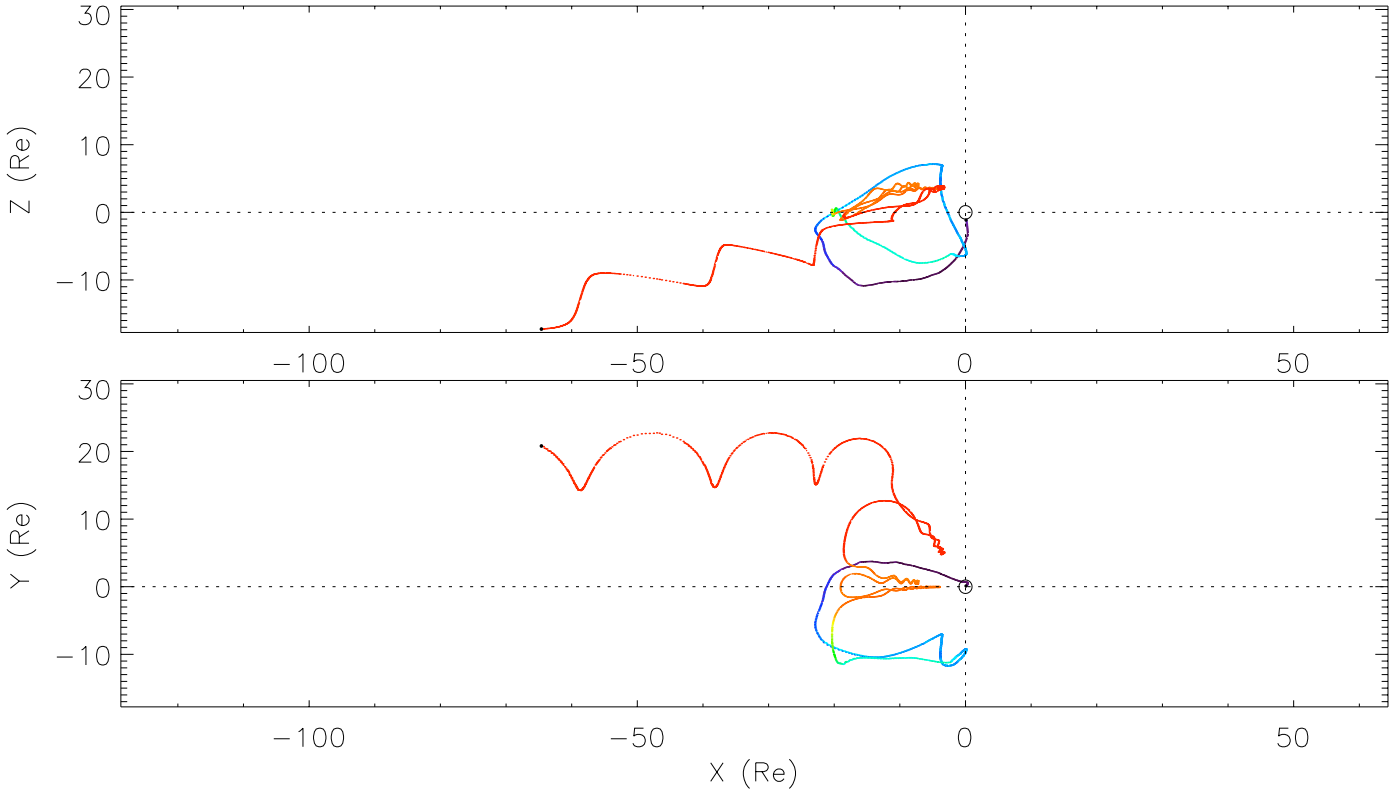
Start, Stop Parameters:

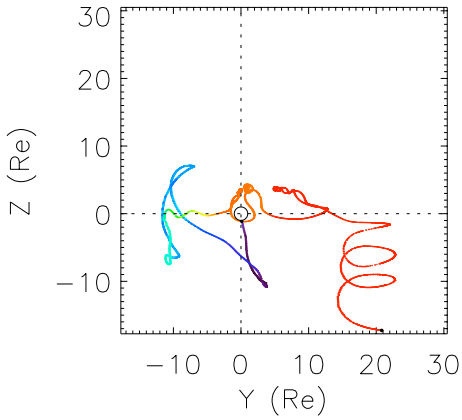
Time (minute): −350.0, 220.8
Magnetic local time: 9.351, 22.120
Magnetic latitude: 78.250, 5.013
Distance (Re): 1.16, 14.09
Energy (eV): 6.21, 2651.00
Pitch angle: 140.600, 55.260
Tilt angle (deg): 0.000

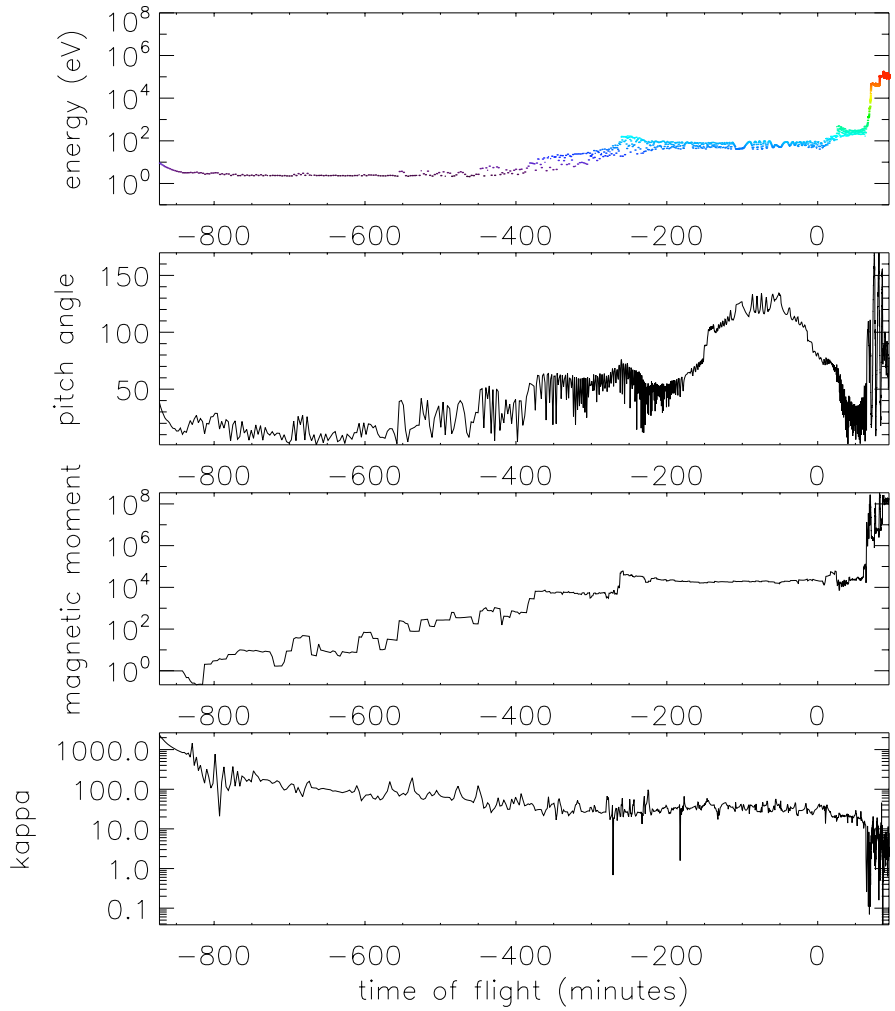
file: particle0004255.full

Mon Mar 13 14:25:29 2006

Particle code of D. Delcourt, O+







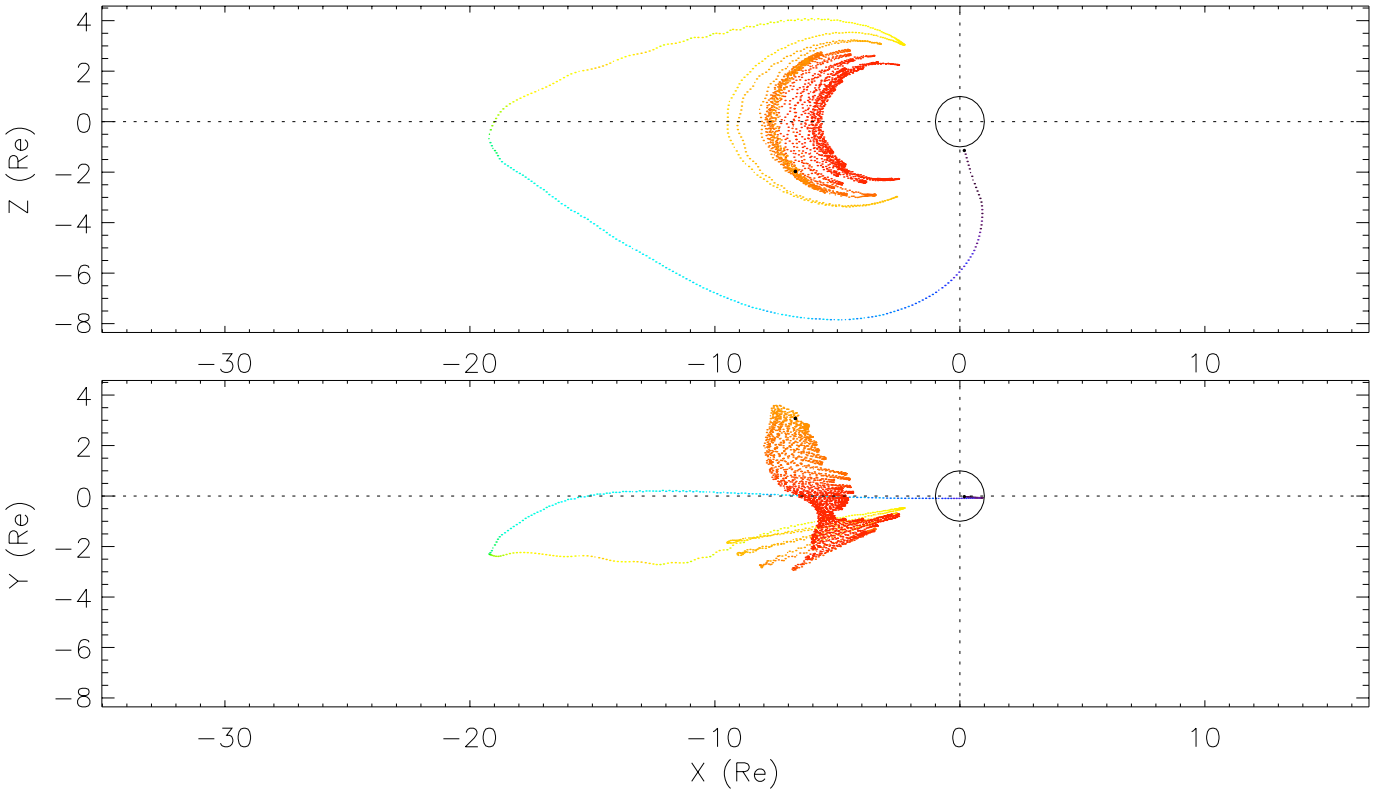
Start, Stop Parameters:

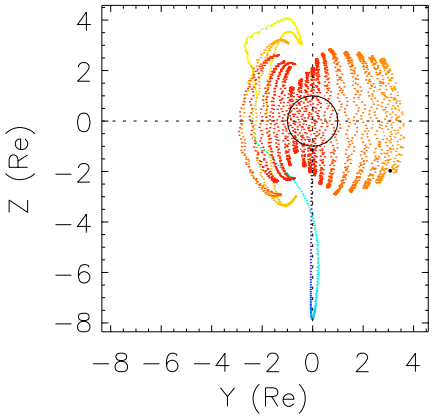
Time (minute): −872.5, 94.5
Magnetic local time: 15.630, 22.810
Magnetic latitude: −83.150, −14.270
Distance (Re): 1.16, 70.04
Energy (eV): 9.00, 127600.00
Pitch angle: 38.150, 78.500
Tilt angle (deg): 0.000

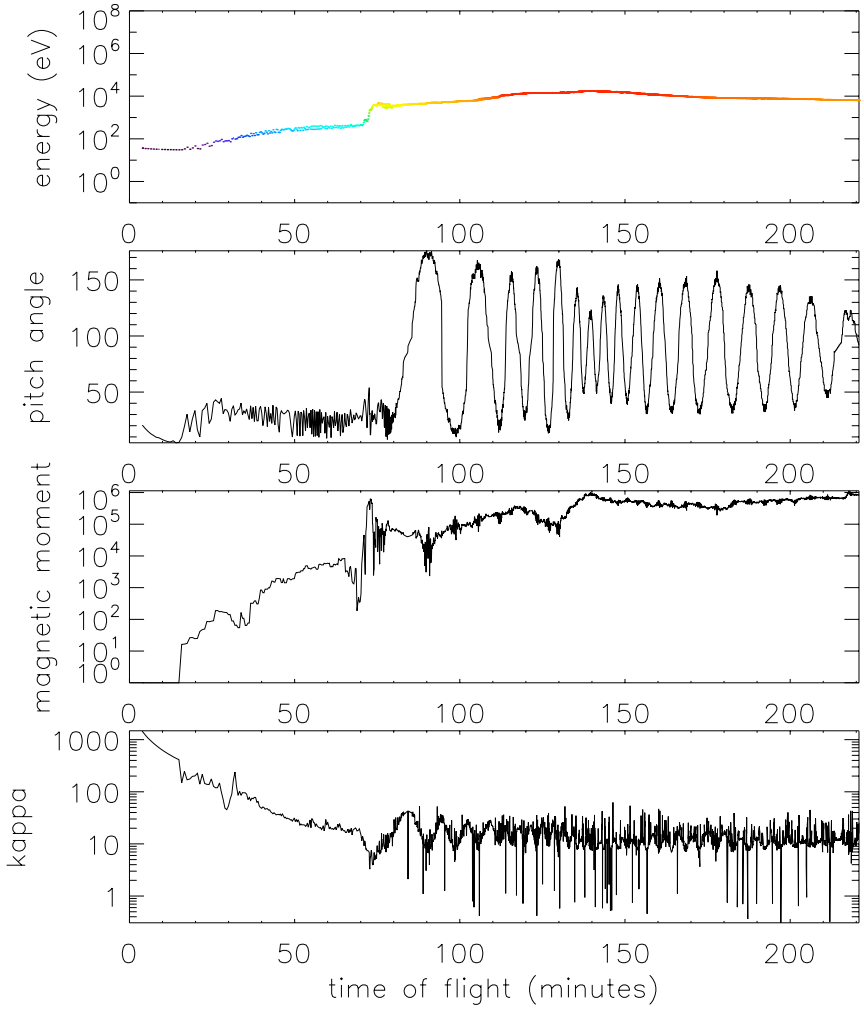
file: particle0024168.full

Mon Mar 13 14:25:30 2006

Particle code of D. Delcourt, O+







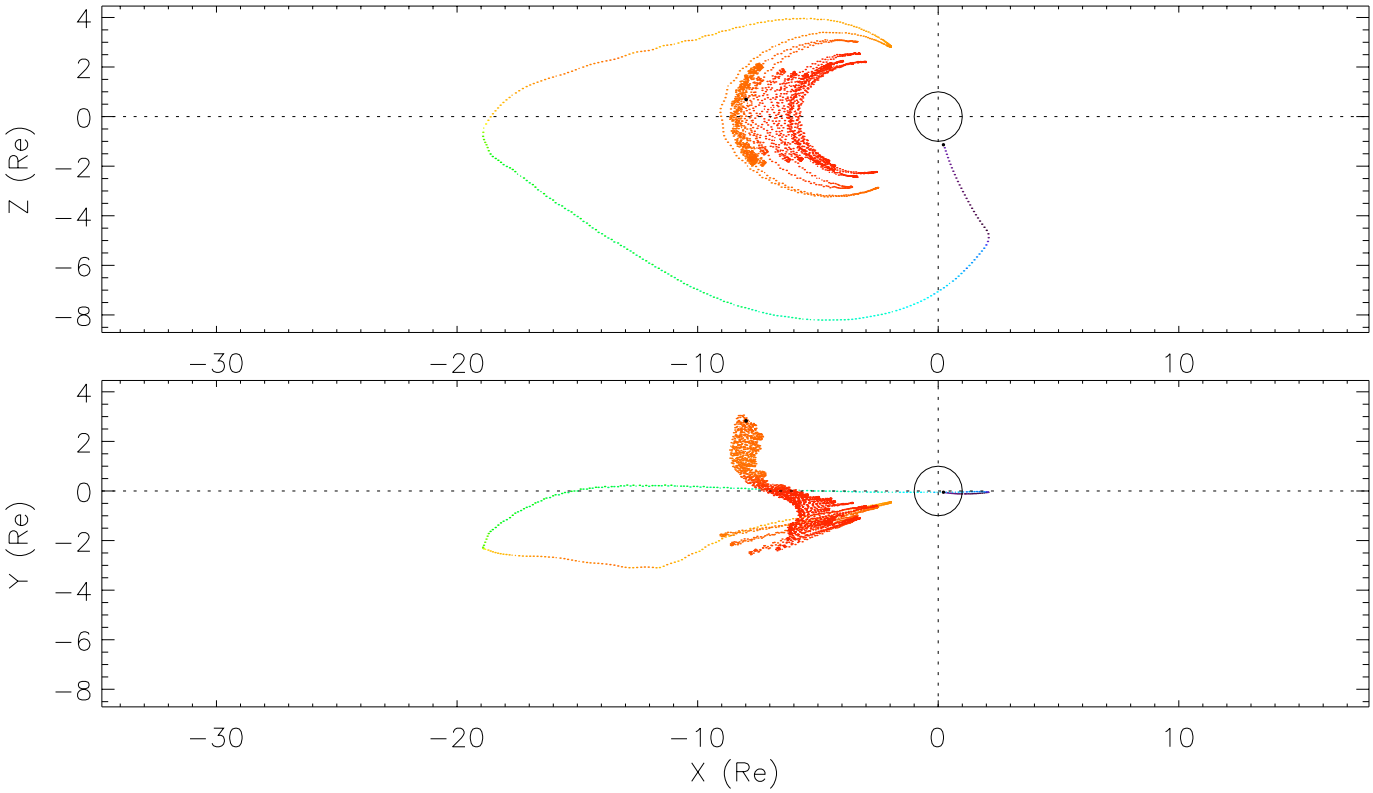
Start, Stop Parameters:

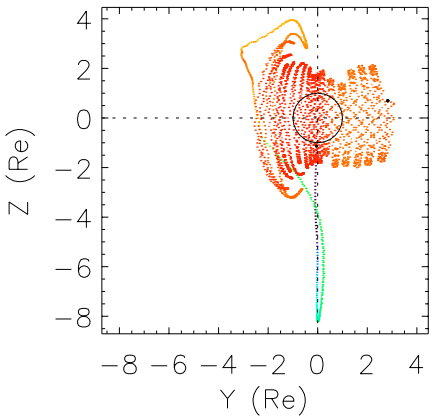
Time (minute): 4.0, 220.8
Magnetic local time: 11.530, 22.360
Magnetic latitude: −80.910, −14.960
Distance (Re): 1.16, 7.64
Energy (eV): 36.21, 6430.00
Pitch angle: 20.640, 91.550
Tilt angle (deg): 0.000

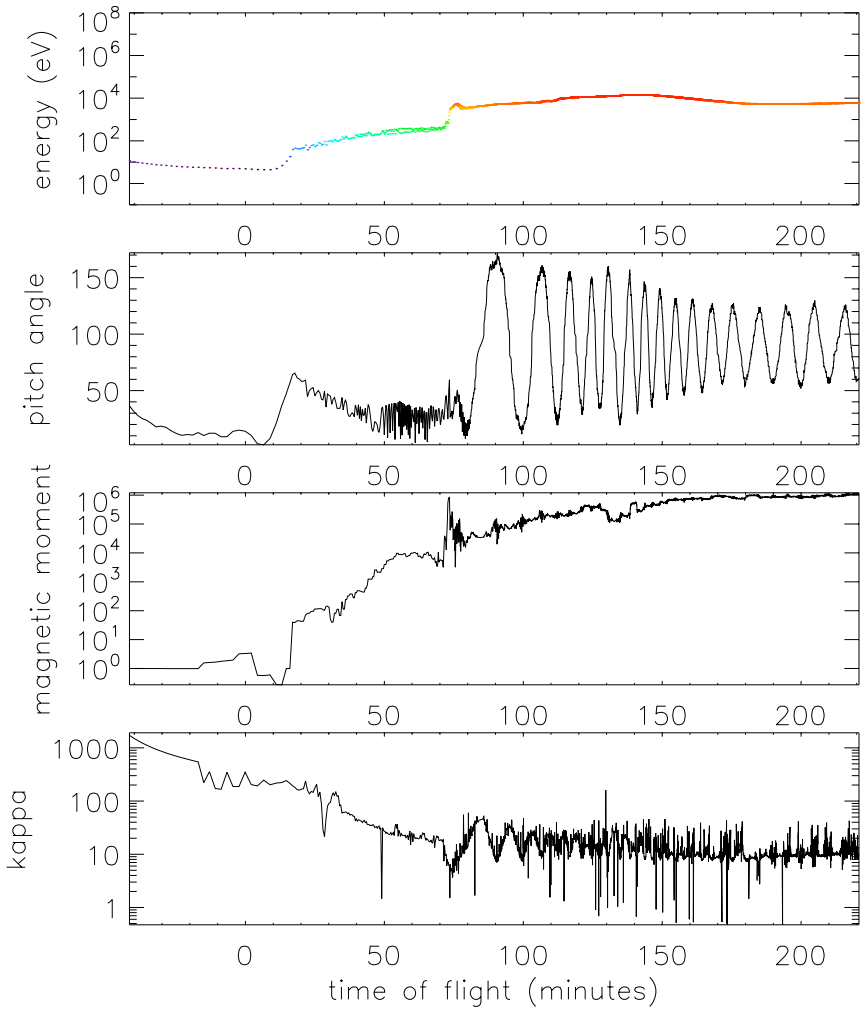
file: particle0038500.full

Mon Mar 13 14:25:30 2006

Particle code of D. Delcourt, O+







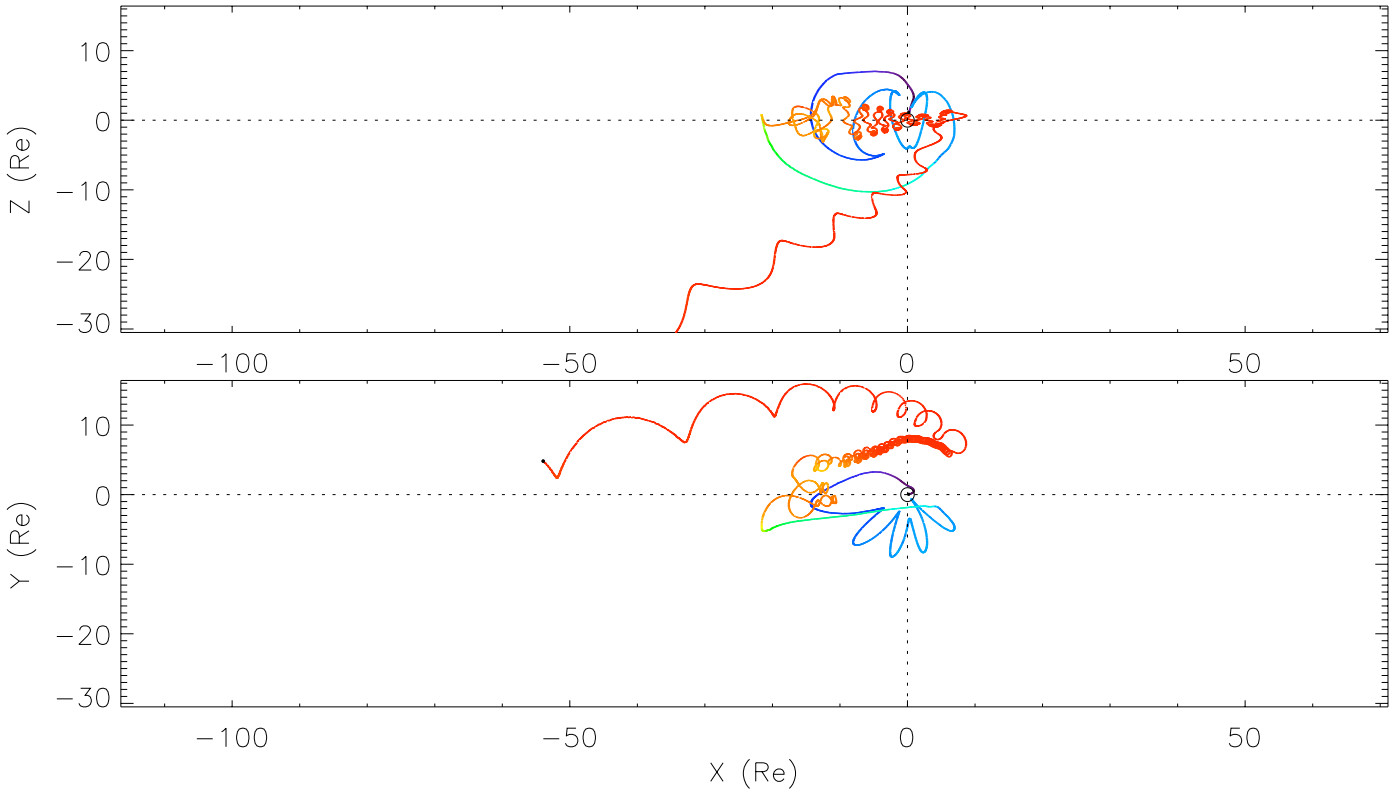
Start, Stop Parameters:

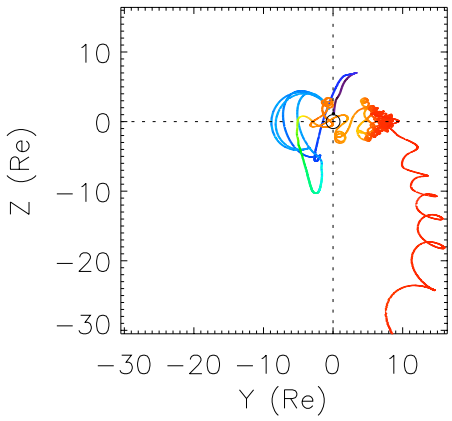
Time (minute): −41.8, 220.8
Magnetic local time: 11.150, 22.700
Magnetic latitude: −78.930, 4.685
Distance (Re): 1.16, 8.50
Energy (eV): 11.42, 6061.00
Pitch angle: 36.830, 60.180
Tilt angle (deg): 0.000

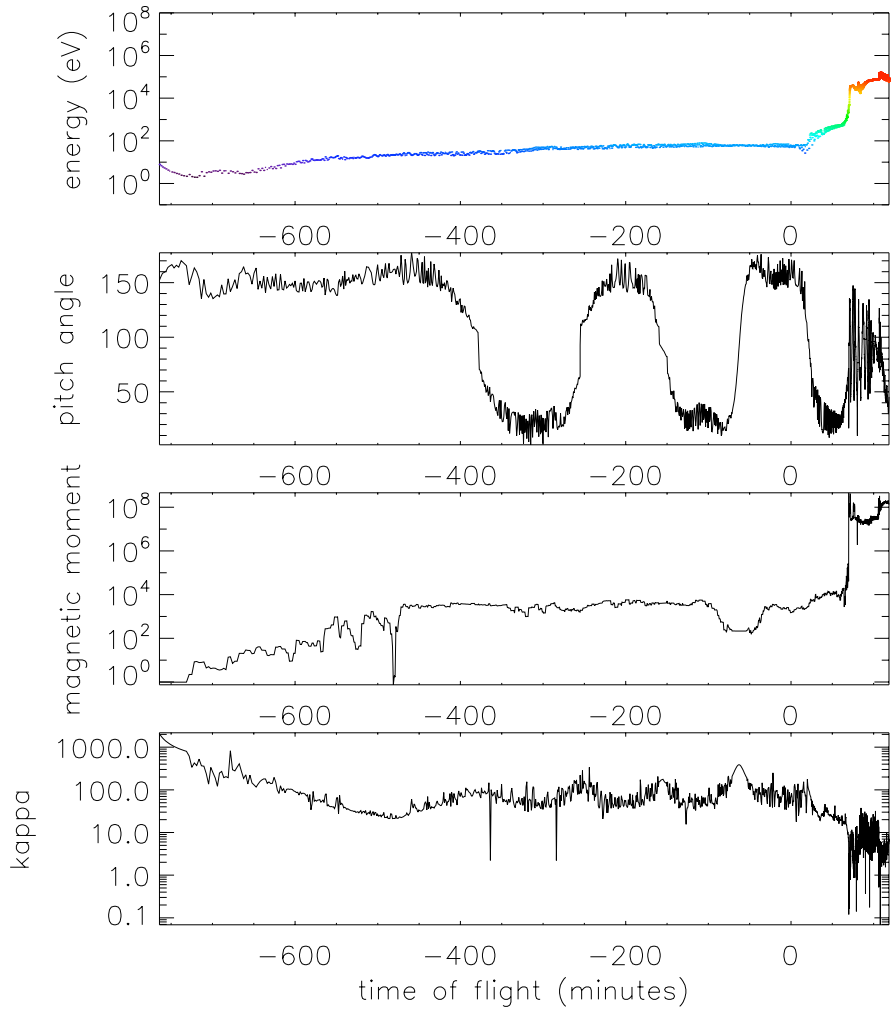
file: particle0059350.full

Mon Mar 13 14:25:30 2006

Particle code of D. Delcourt, O+







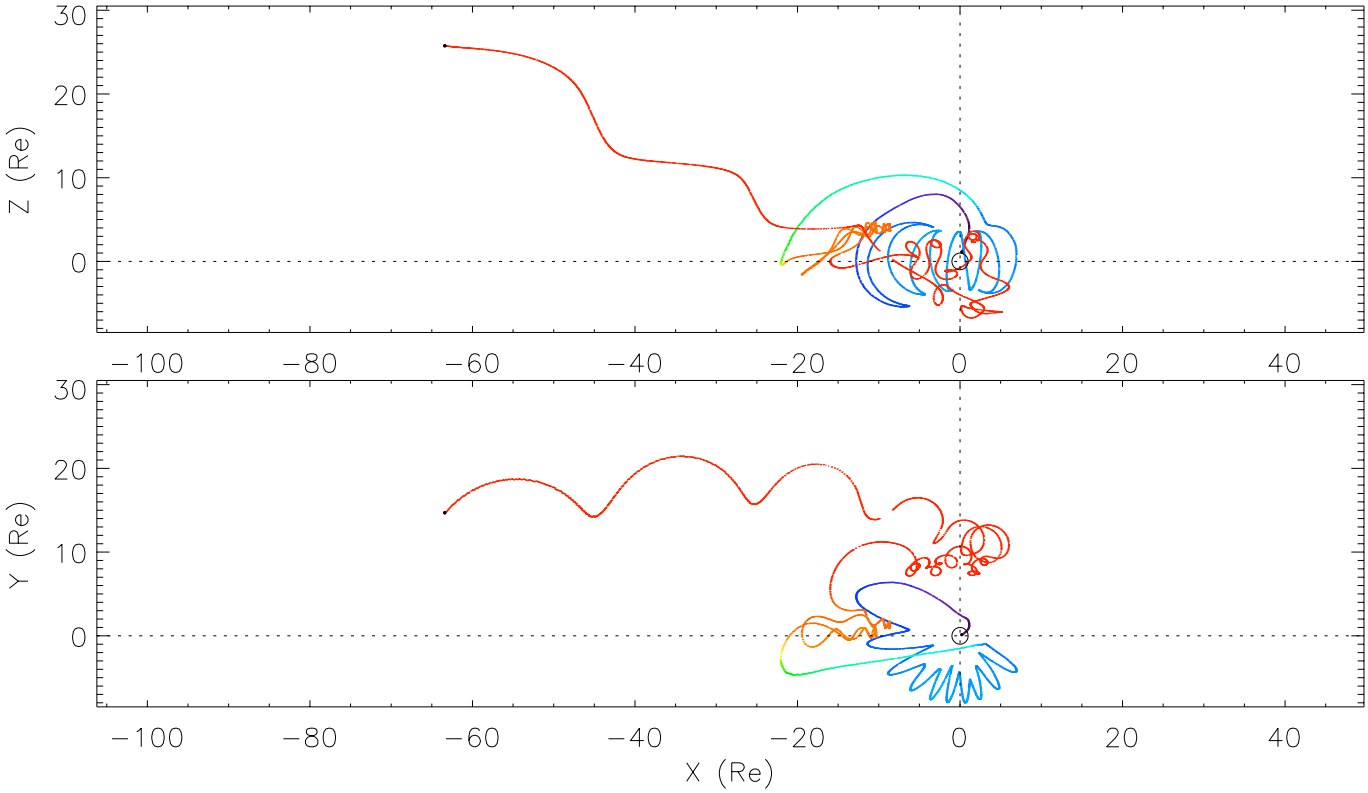
Start, Stop Parameters:

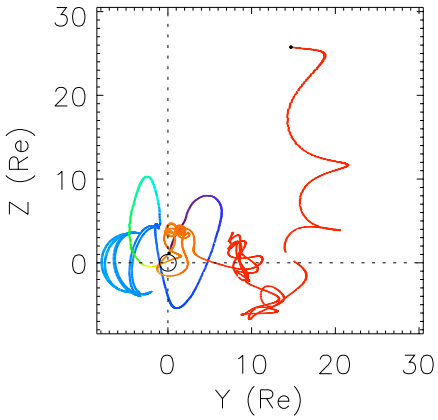
Time (minute): −764.2, 118.6
Magnetic local time: 12.920, 23.660
Magnetic latitude: 80.480,−39.310
Distance (Re): 1.16, 70.00
Energy (eV): 7.77, 86840.00
Pitch angle: 152.500, 45.320
Tilt angle (deg): 0.000

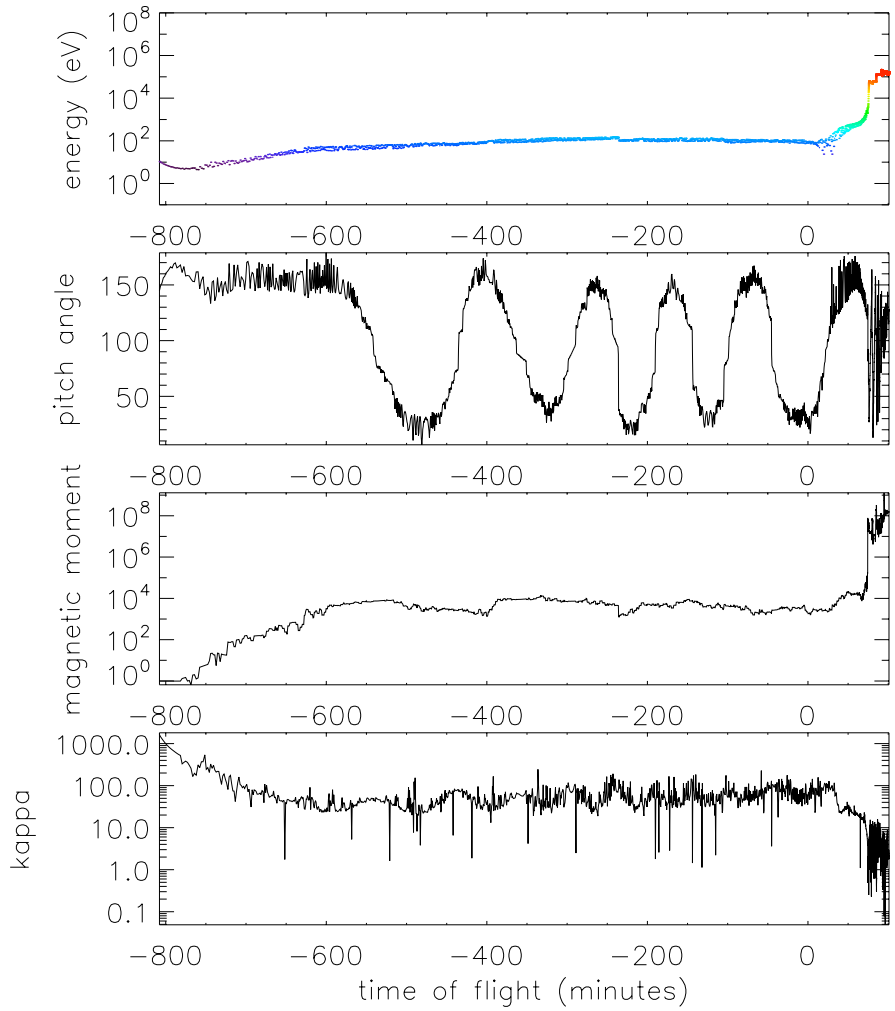
file: particle0083267.full

Mon Mar 13 14:25:31 2006

Particle code of D. Delcourt, O+







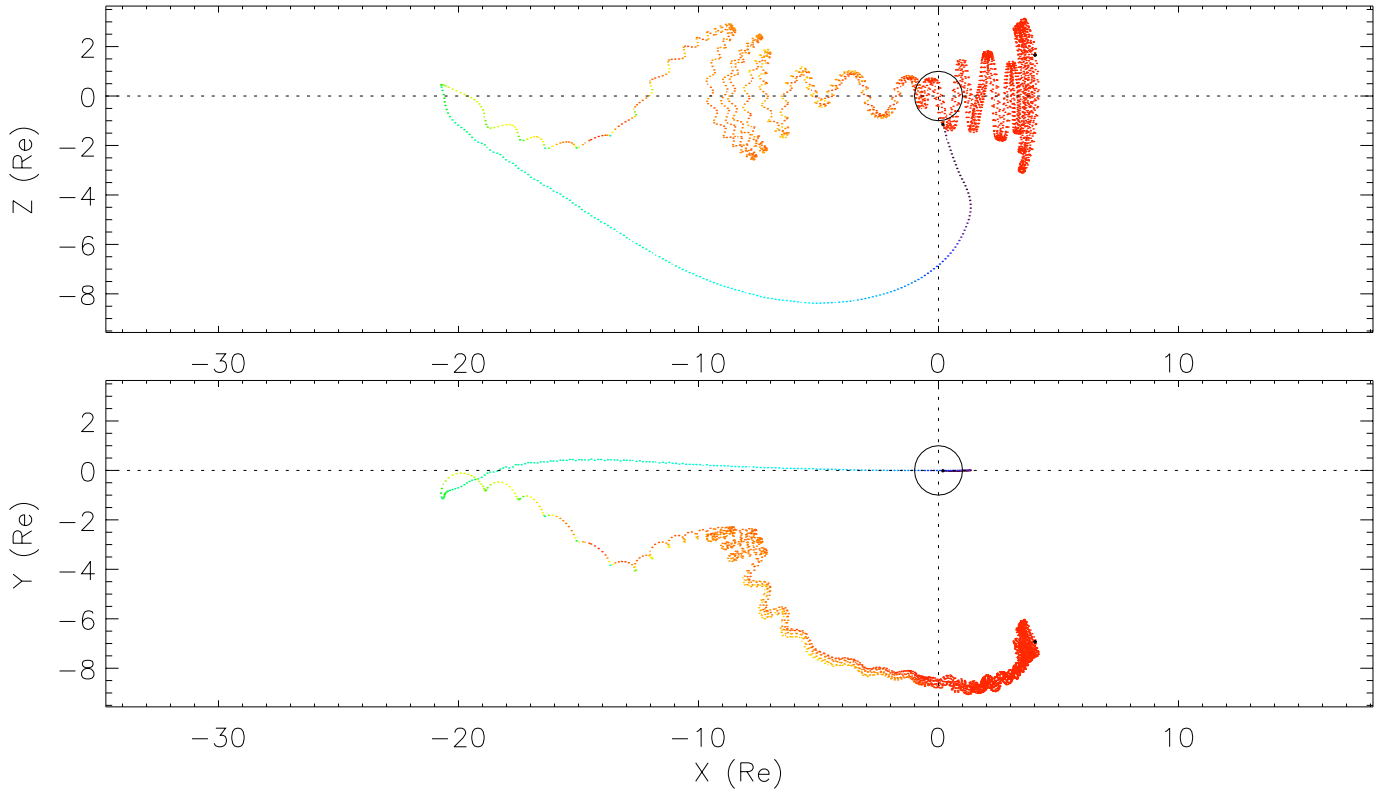
Start, Stop Parameters:

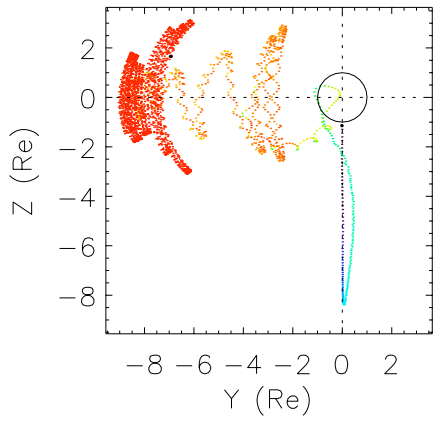
Time (minute): −807.8, 101.0
Magnetic local time: 14.130, 23.130
Magnetic latitude: 77.560, 21.590
Distance (Re): 1.16, 70.00
Energy (eV): 10.67, 138300.00
Pitch angle: 144.600, 128.500
Tilt angle (deg): 0.000

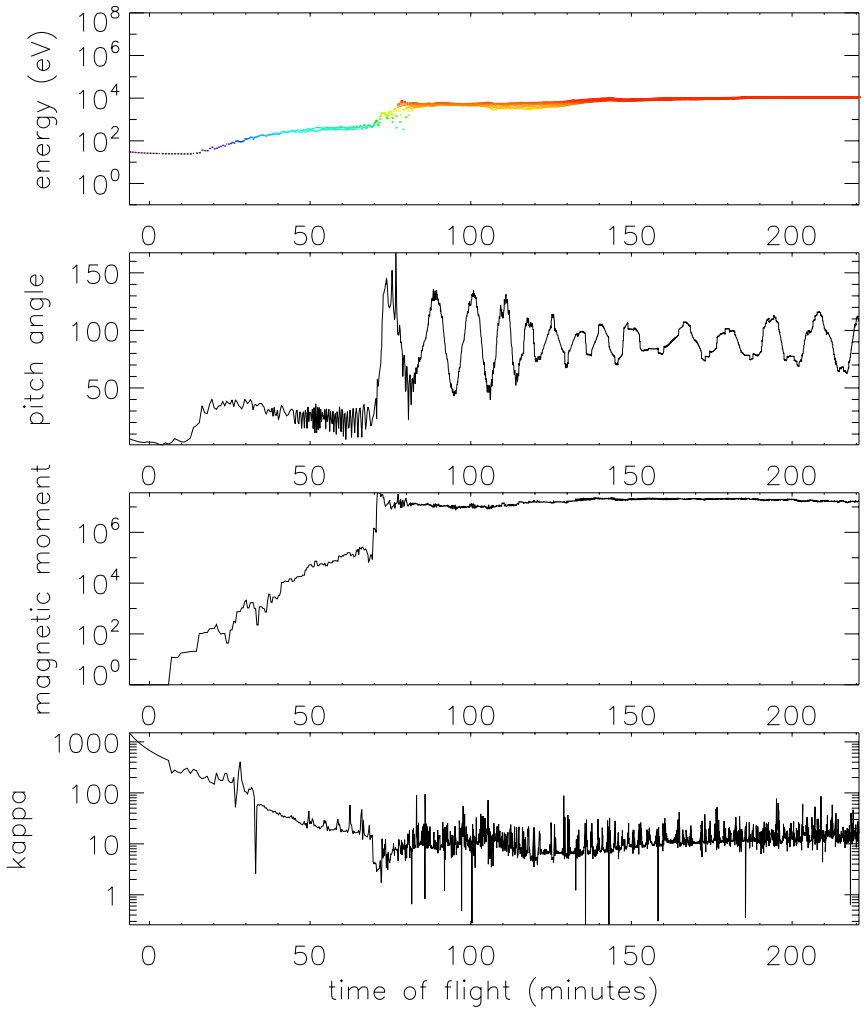
file: particle0087141.full

Mon Mar 13 14:25:31 2006

Particle code of D. Delcourt, O+







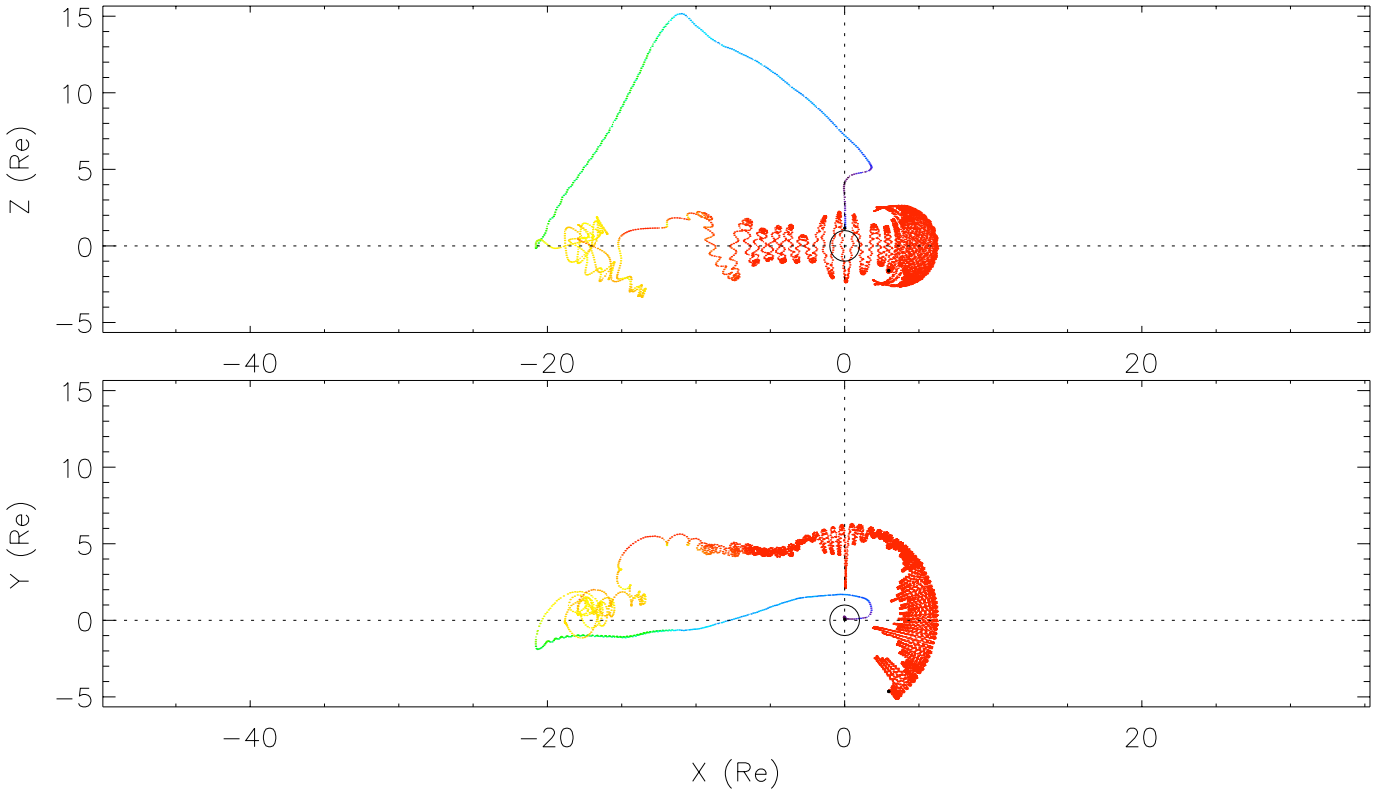
Start, Stop Parameters:

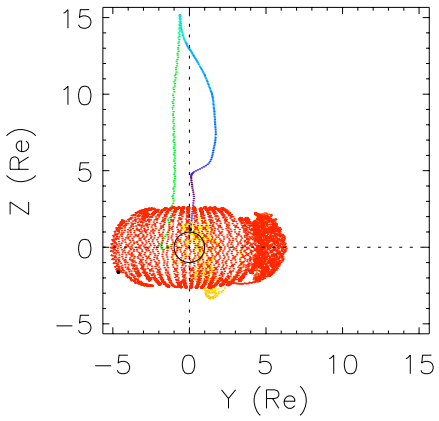
Time (minute): −6.2, 220.8
Magnetic local time: 11.680, 8.009
Magnetic latitude: −81.040, 11.700
Distance (Re): 1.16, 8.18
Energy (eV): 30.46, 11160.00
Pitch angle: 5.876, 108.500
Tilt angle (deg): 0.000

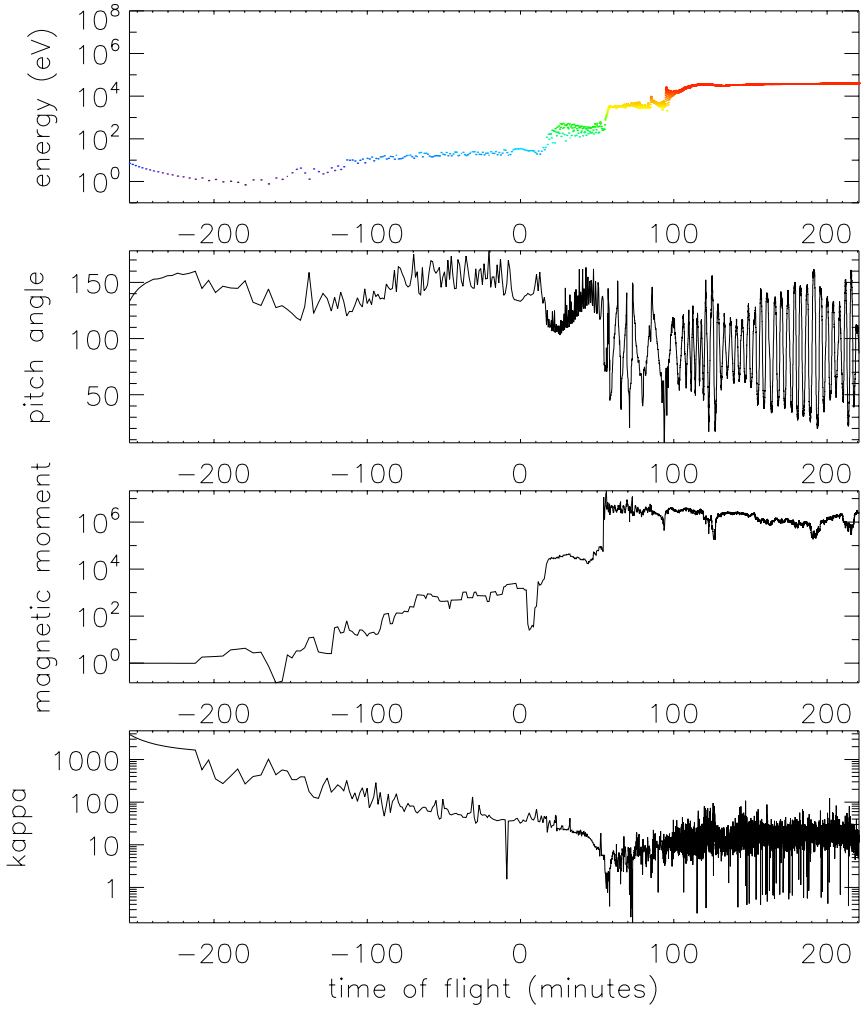
file: particle0097790.full

Mon Mar 13 14:25:31 2006

Particle code of D. Delcourt, O+







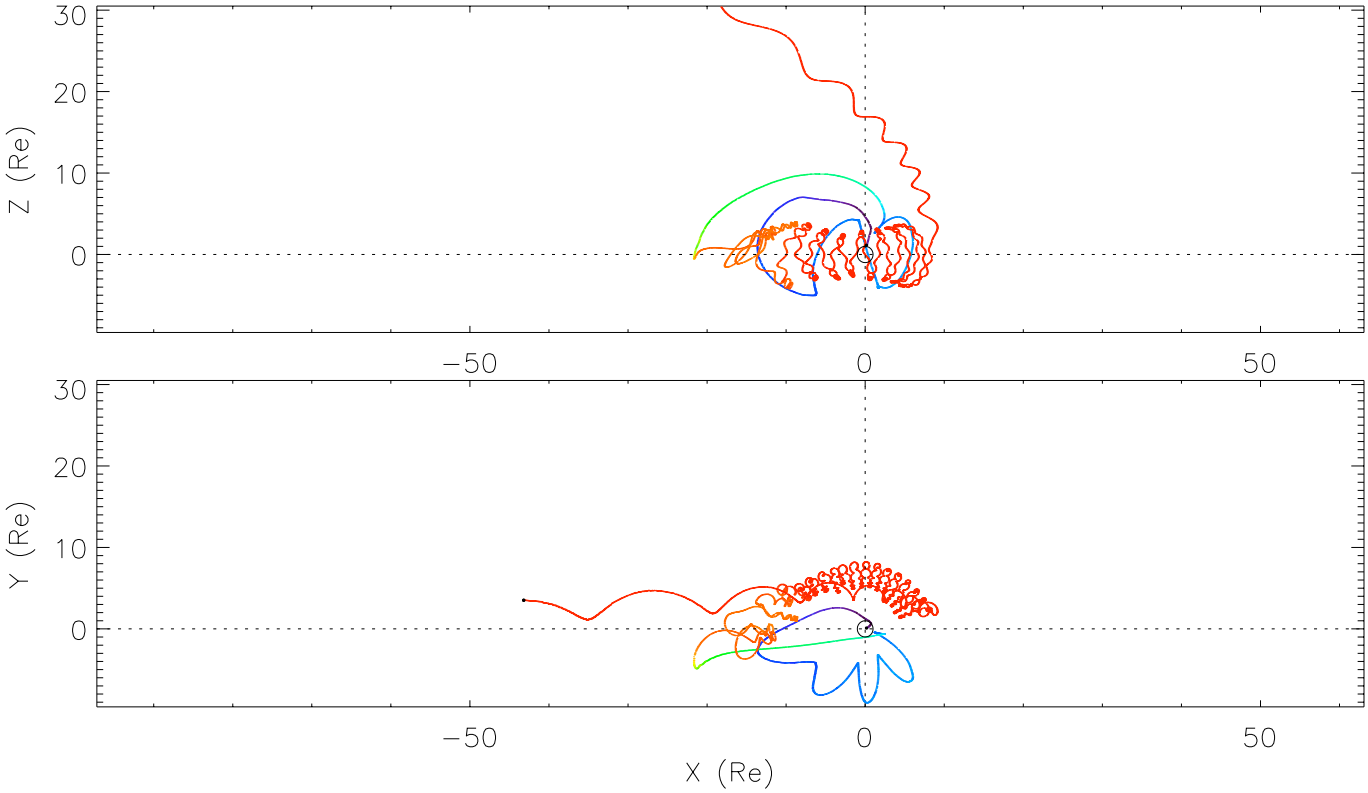
Start, Stop Parameters:

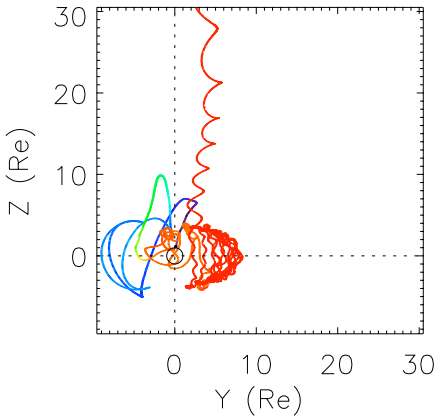
Time (minute): −255.2, 220.8
Magnetic local time: 17.700, 8.170
Magnetic latitude: 87.150,−16.410
Distance (Re): 1.16, 5.74
Energy (eV): 7.09, 39980.00
Pitch angle: 133.000, 86.850
Tilt angle (deg): 0.000

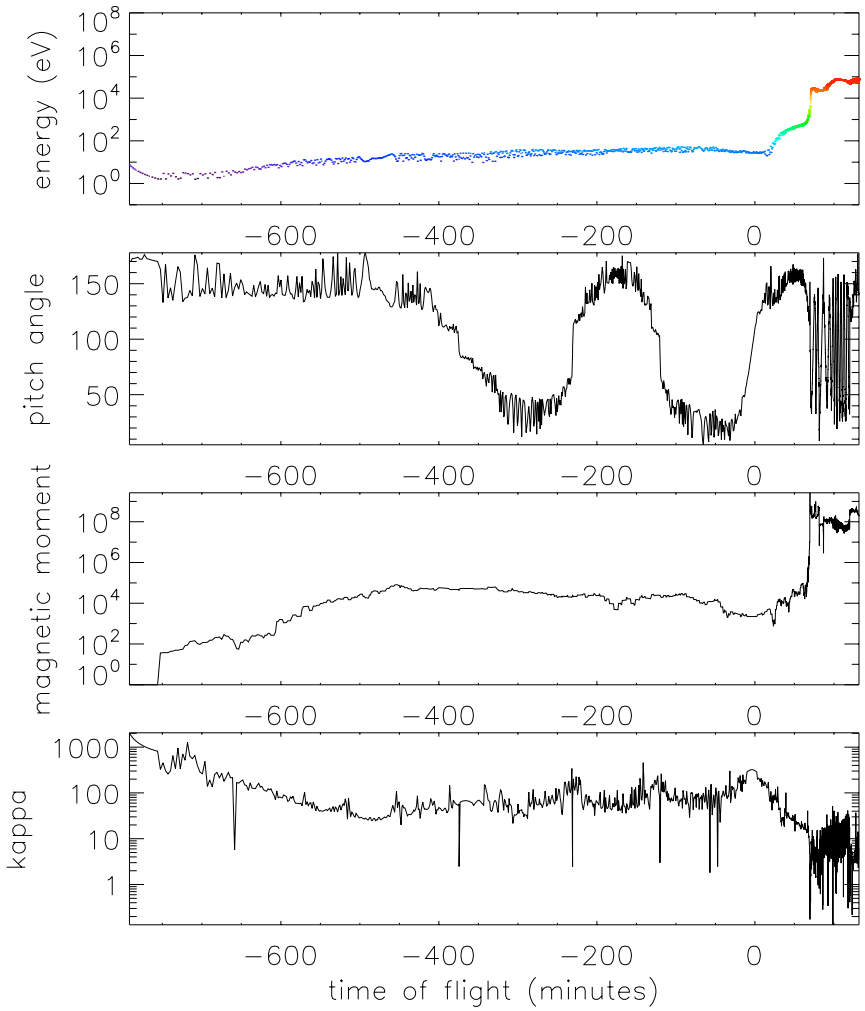
file: particle0109747.full

Mon Mar 13 14:25:32 2006

Particle code of D. Delcourt, O+







Start, Stop Parameters:

Time (minute): −791.7, 131.7
Magnetic local time: 14.100, 23.690
Magnetic latitude: 80.140, 51.750
Distance (Re): 1.16, 70.00
Energy (eV): 7.33, 82460.00
Pitch angle: 169.900, 139.800
Tilt angle (deg): 0.000

file: particle0132811.full

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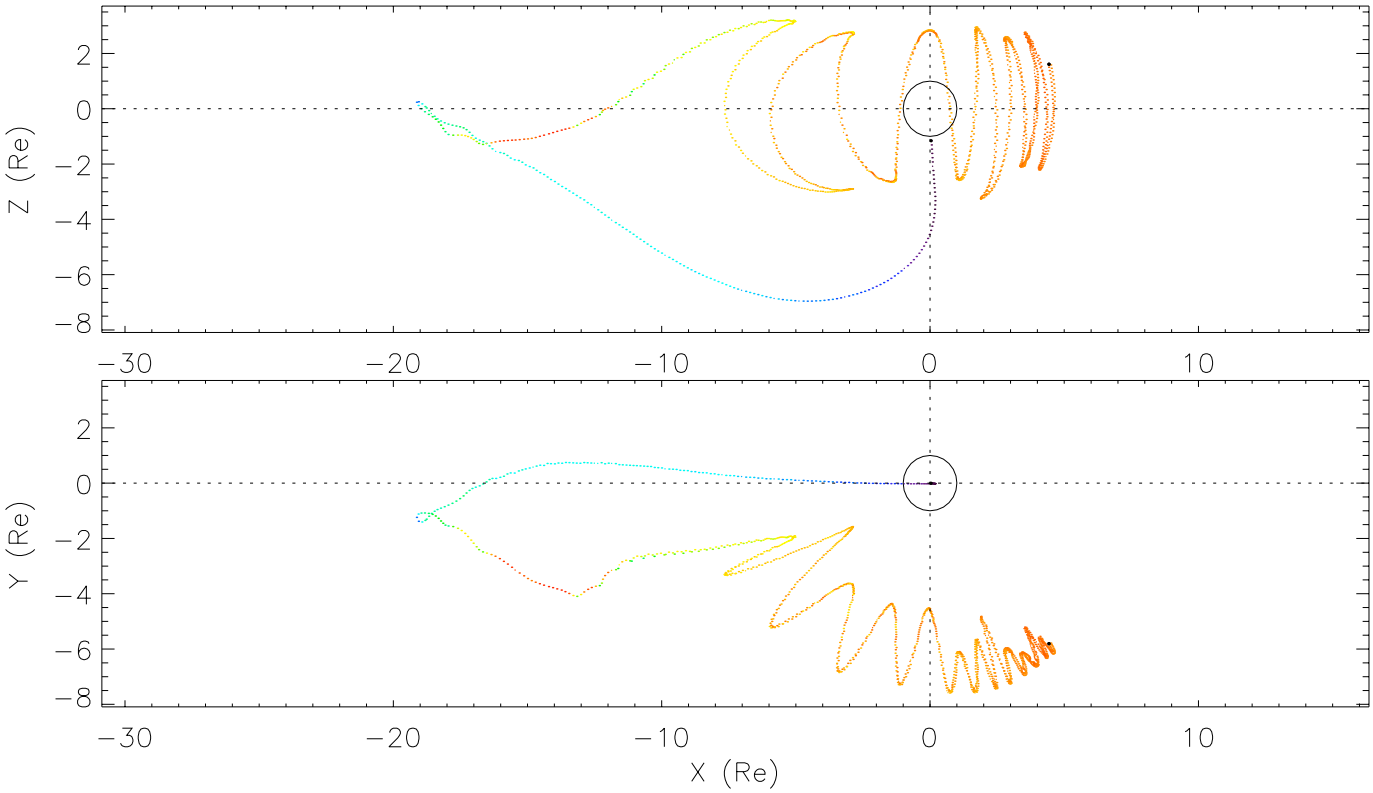
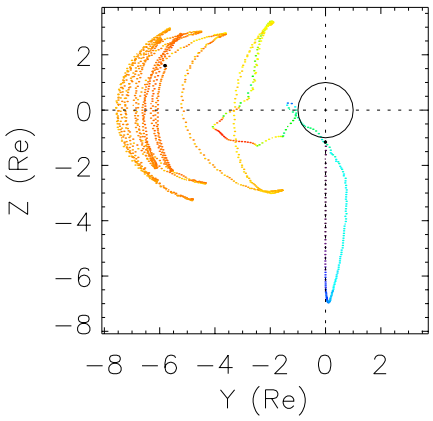
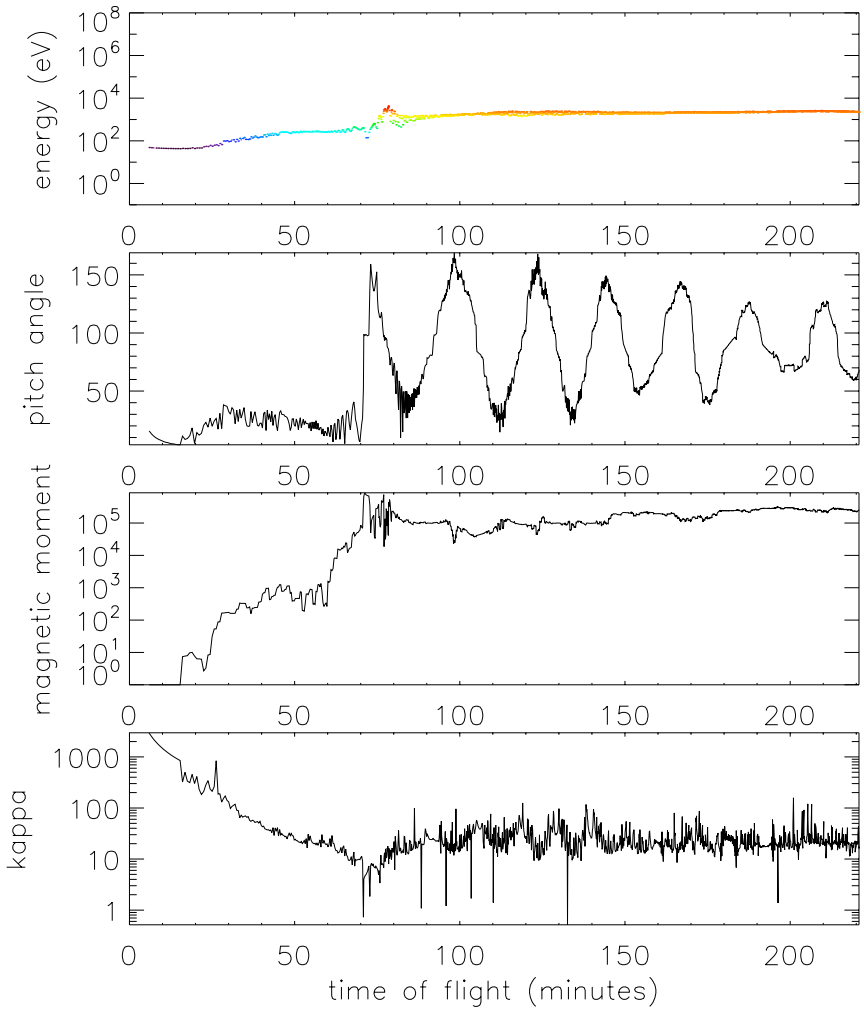
Particle code of D. Delcourt, O+







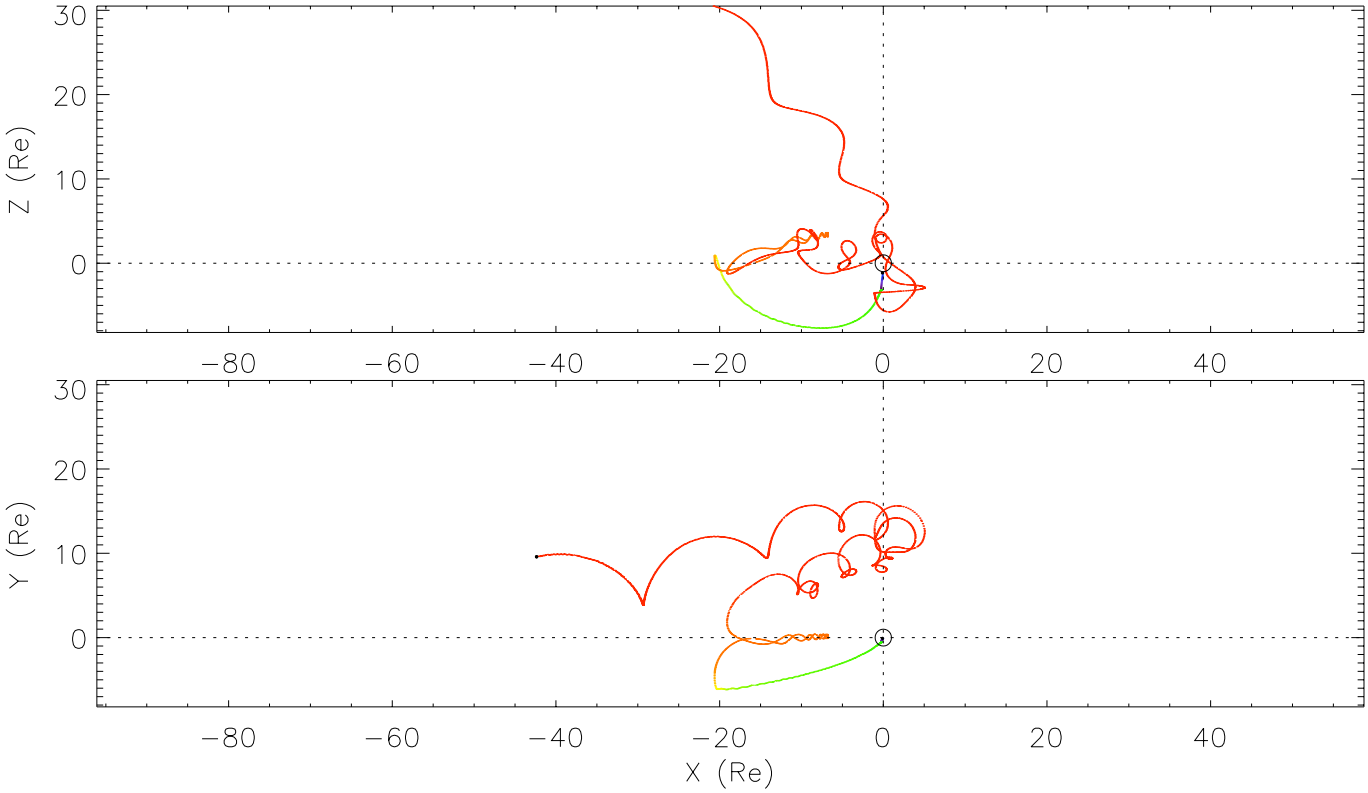
Start, Stop Parameters:

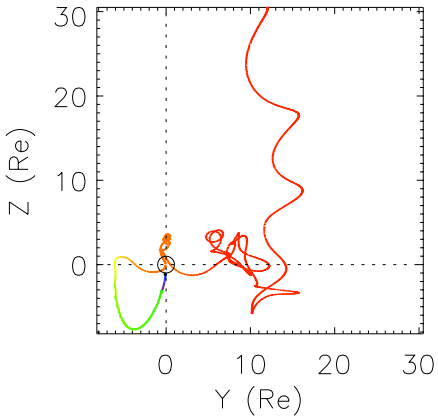
Time (minute): 6.0, 220.8
Magnetic local time: 11.470, 8.490
Magnetic latitude: −88.040, 12.430
Distance (Re): 1.16, 7.48
Energy (eV): 48.59, 2228.00
Pitch angle: 15.640, 68.620
Tilt angle (deg): 0.000

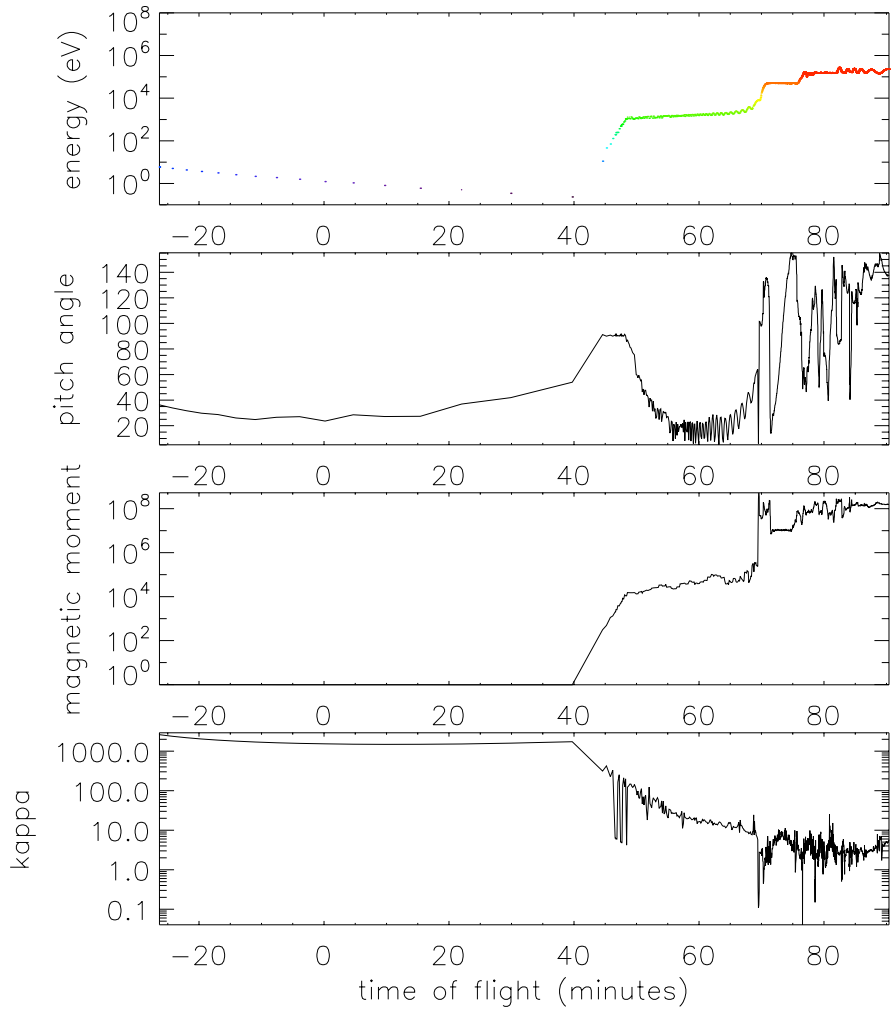
file: particle0139386.full

Mon Mar 13 14:25:32 2006

Particle code of D. Delcourt, O+







Start, Stop Parameters:

Time (minute): −26.3, 90.4
Magnetic local time: 2.942, 23.150
Magnetic latitude: −83.170, 51.650
Distance (Re): 1.16, 70.01
Energy (eV): 5.95, 227800.00
Pitch angle: 36.650, 137.900
Tilt angle (deg): 0.000

file: particle0156100.full

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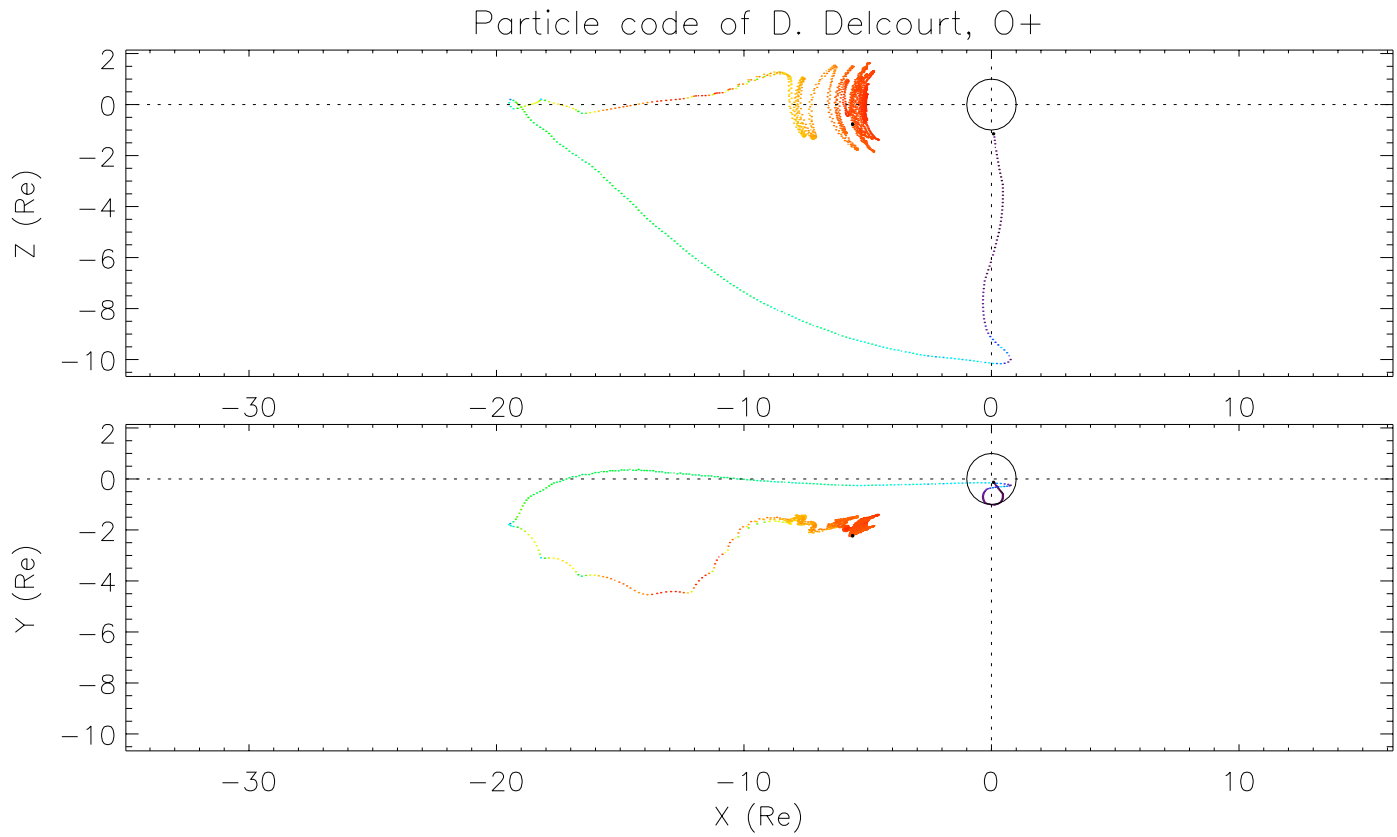
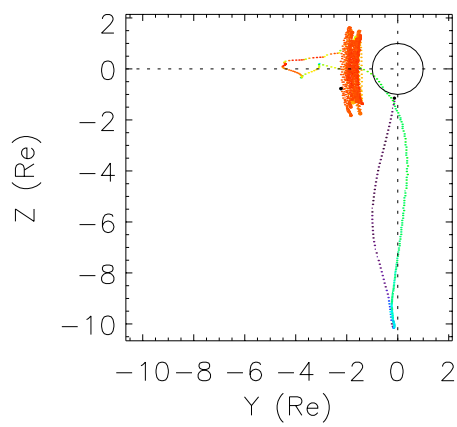
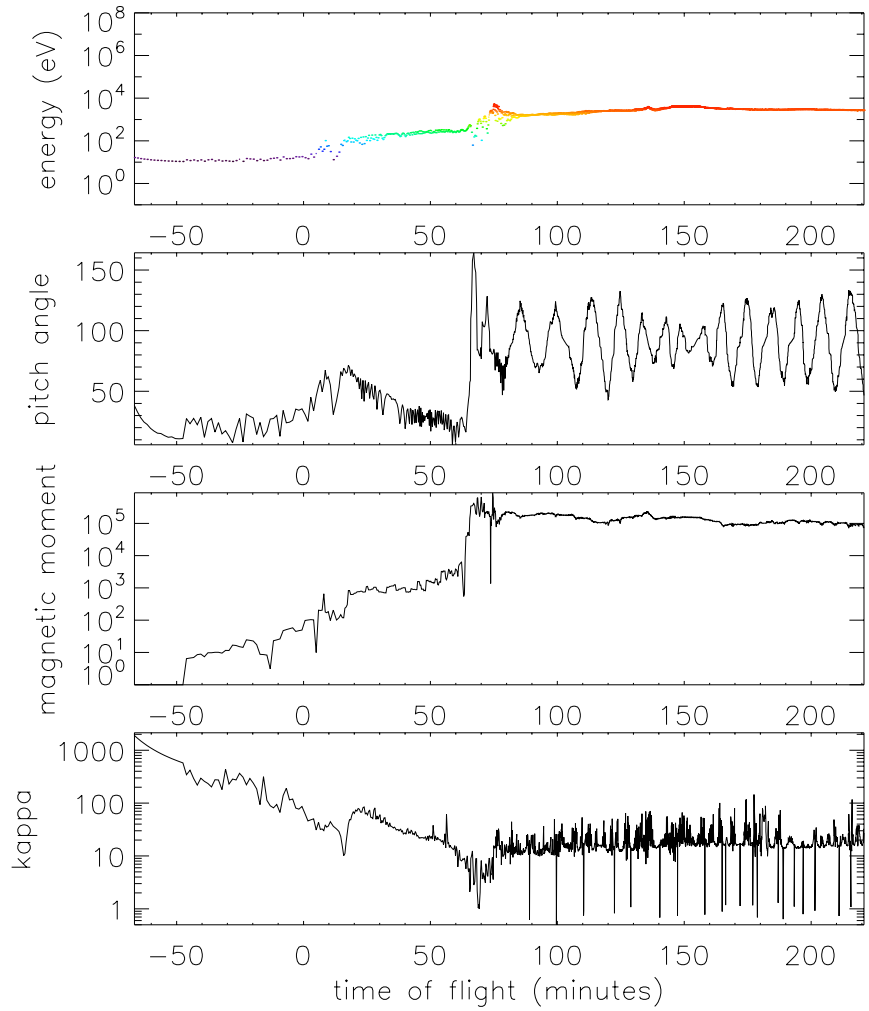






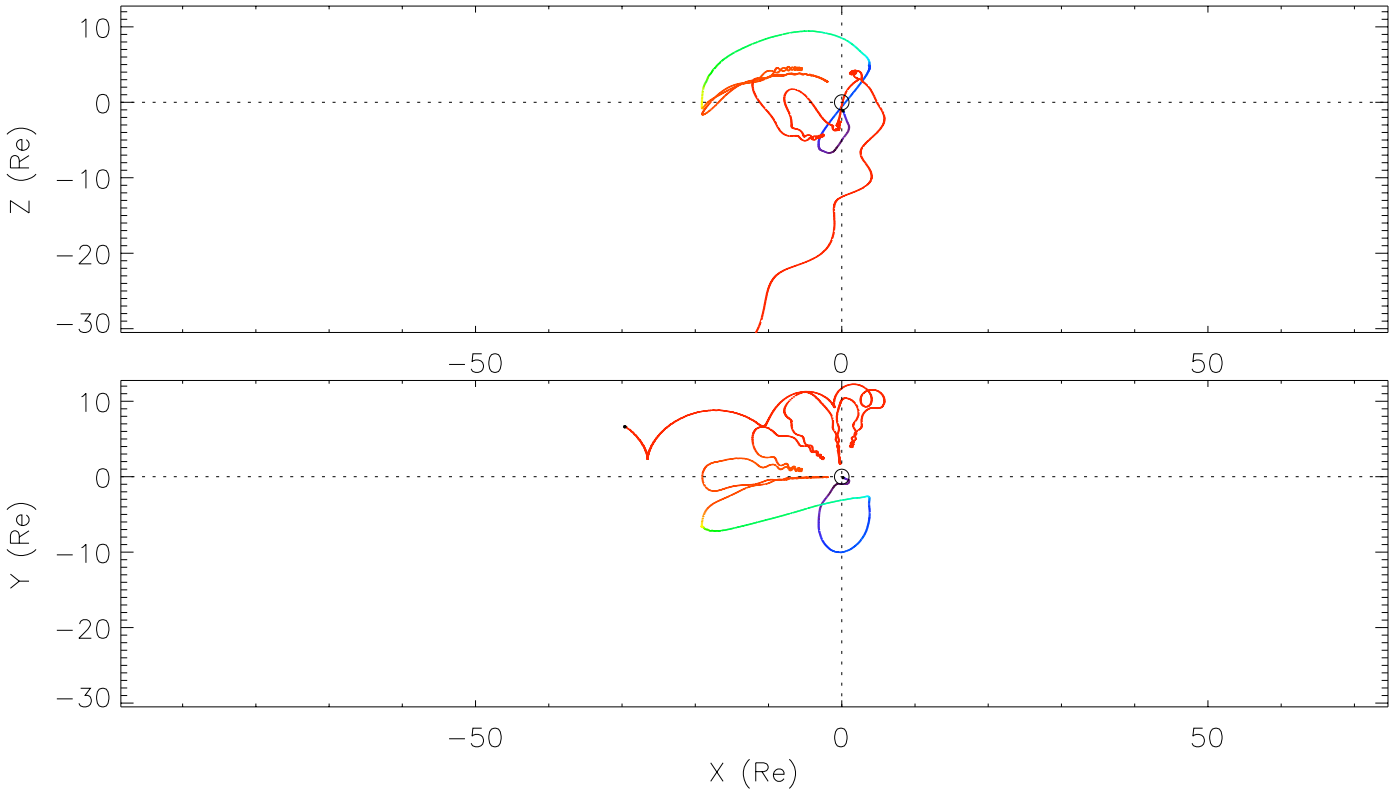
Start, Stop Parameters:

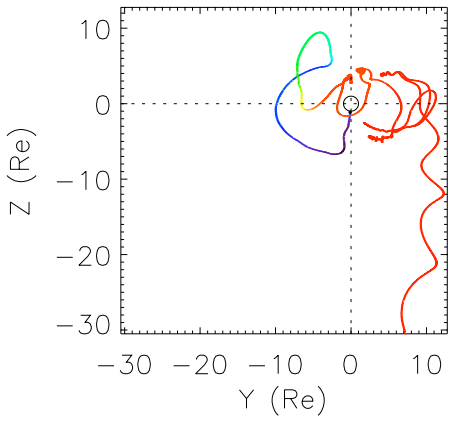
Time (minute): −66.6, 220.8
Magnetic local time: 8.162, 1.443
Magnetic latitude: −82.280, −7.282
Distance (Re): 1.16, 6.09
Energy (eV): 16.41, 2748.00
Pitch angle: 37.900, 46.610
Tilt angle (deg): 0.000

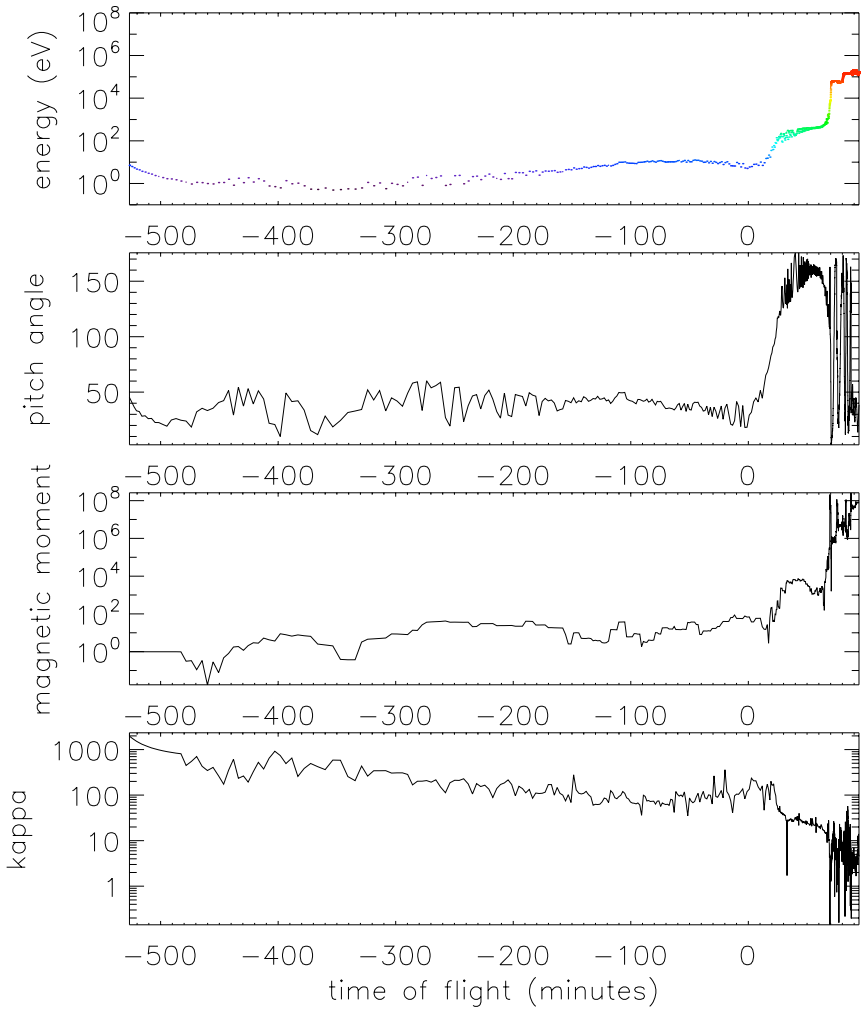
file: particle0180050.full

Mon Mar 13 14:25:33 2006

Particle code of D. Delcourt, O+







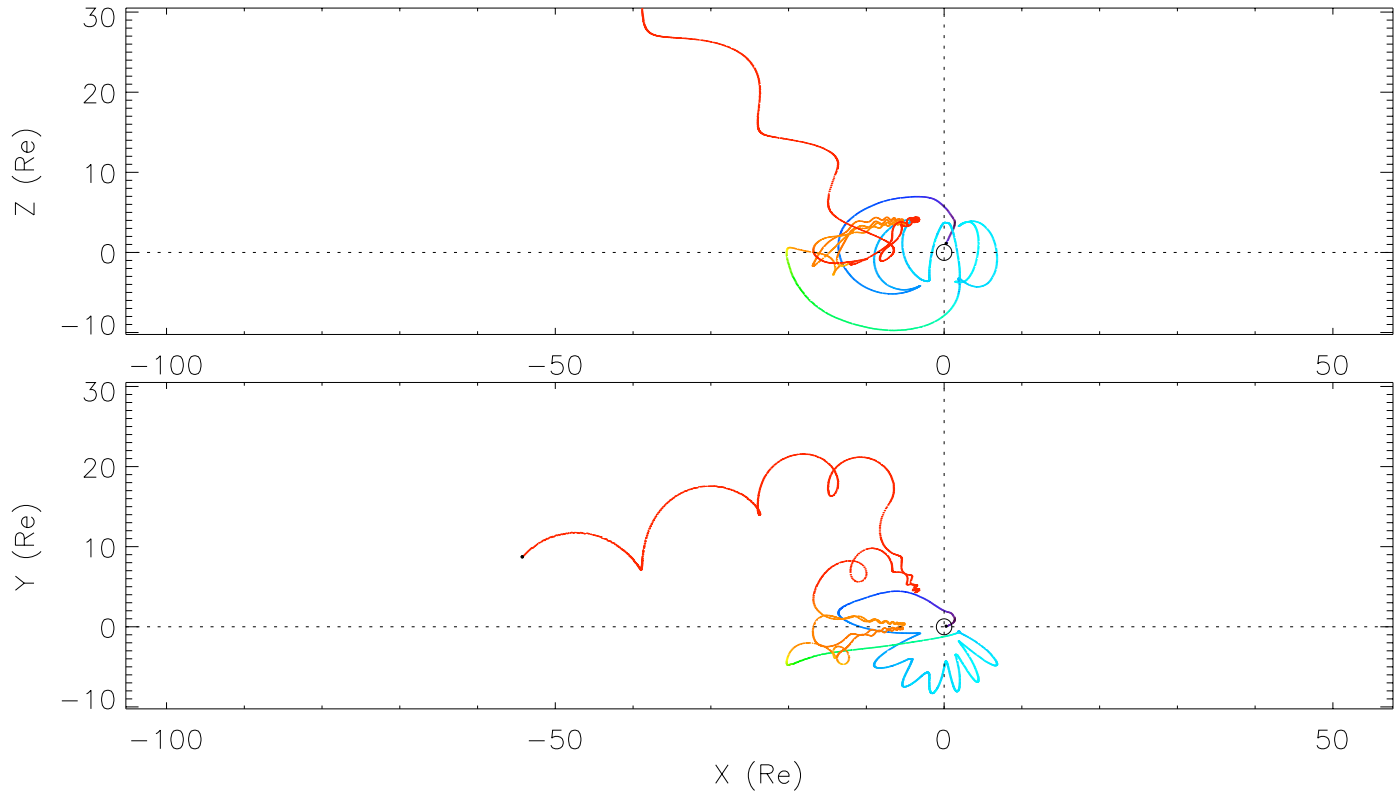
Start, Stop Parameters:

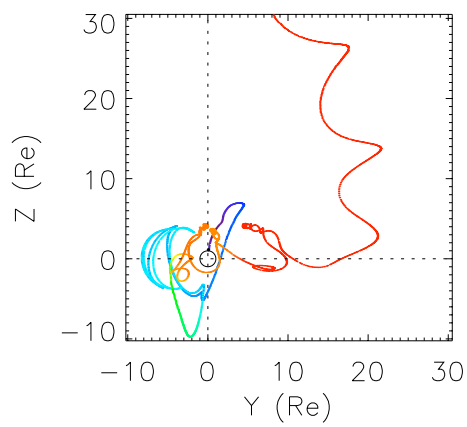
Time (minute): −526.5, 94.2
Magnetic local time: 9.585, 23.160
Magnetic latitude: −79.220, −64.310
Distance (Re): 1.16, 70.01
Energy (eV): 7.01, 174200.00
Pitch angle: 44.800, 38.500
Tilt angle (deg): 0.000

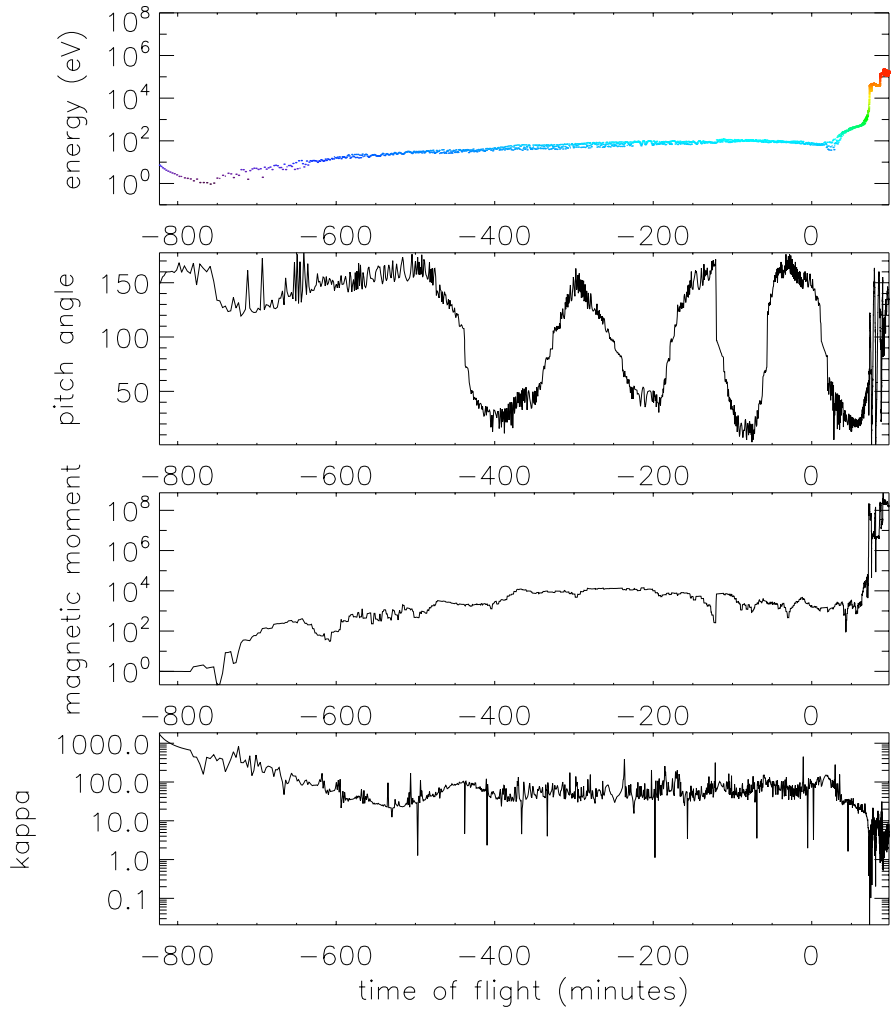
file: particle0181324.full

Mon Mar 13 14:25:33 2006

Particle code of D. Delcourt, O+







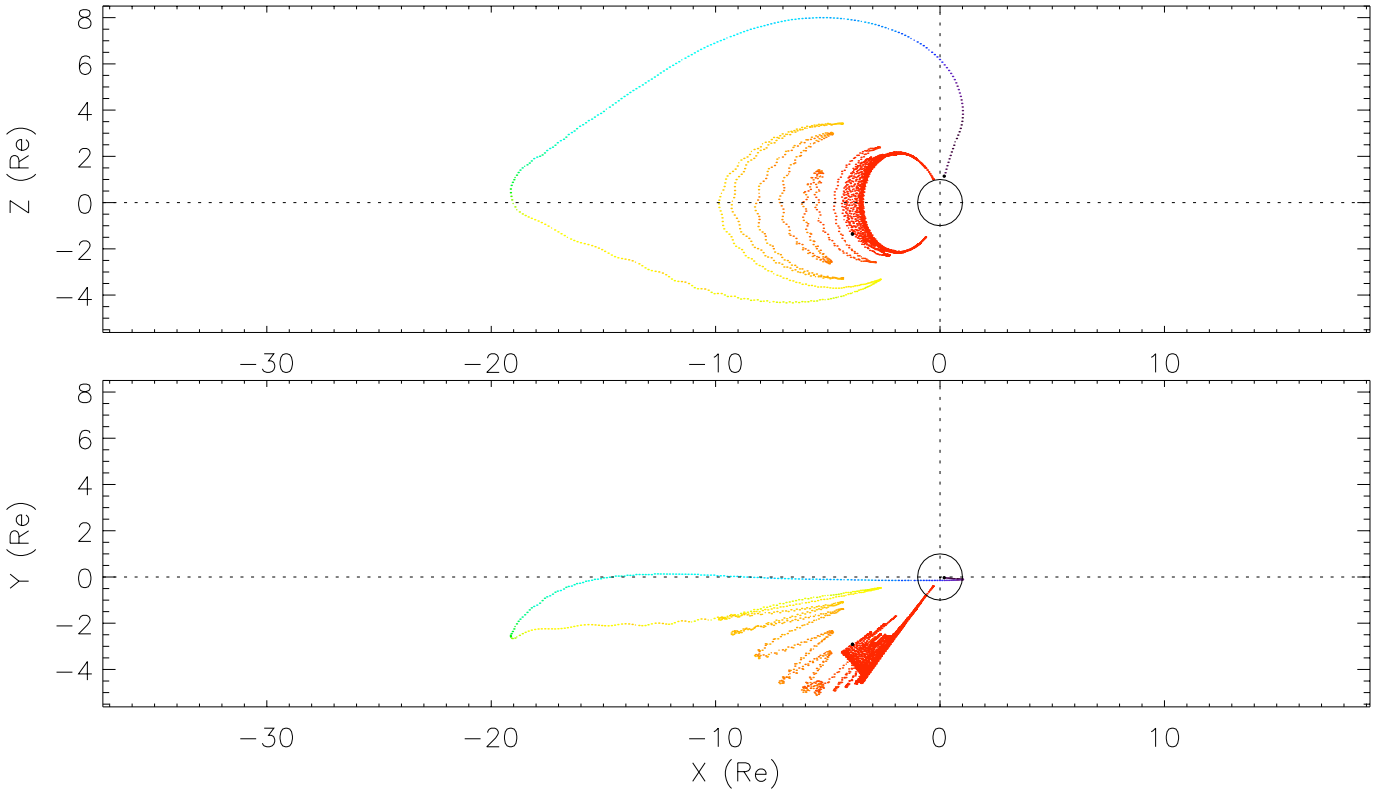
Start, Stop Parameters:

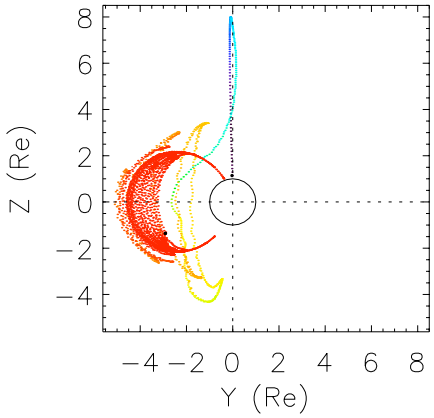
Time (minute): −823.0, 97.4
Magnetic local time: 13.020, 23.390
Magnetic latitude: 76.450, 38.280
Distance (Re): 1.16, 70.00
Energy (eV): 7.24, 151200.00
Pitch angle: 148.400, 136.100
Tilt angle (deg): 0.000

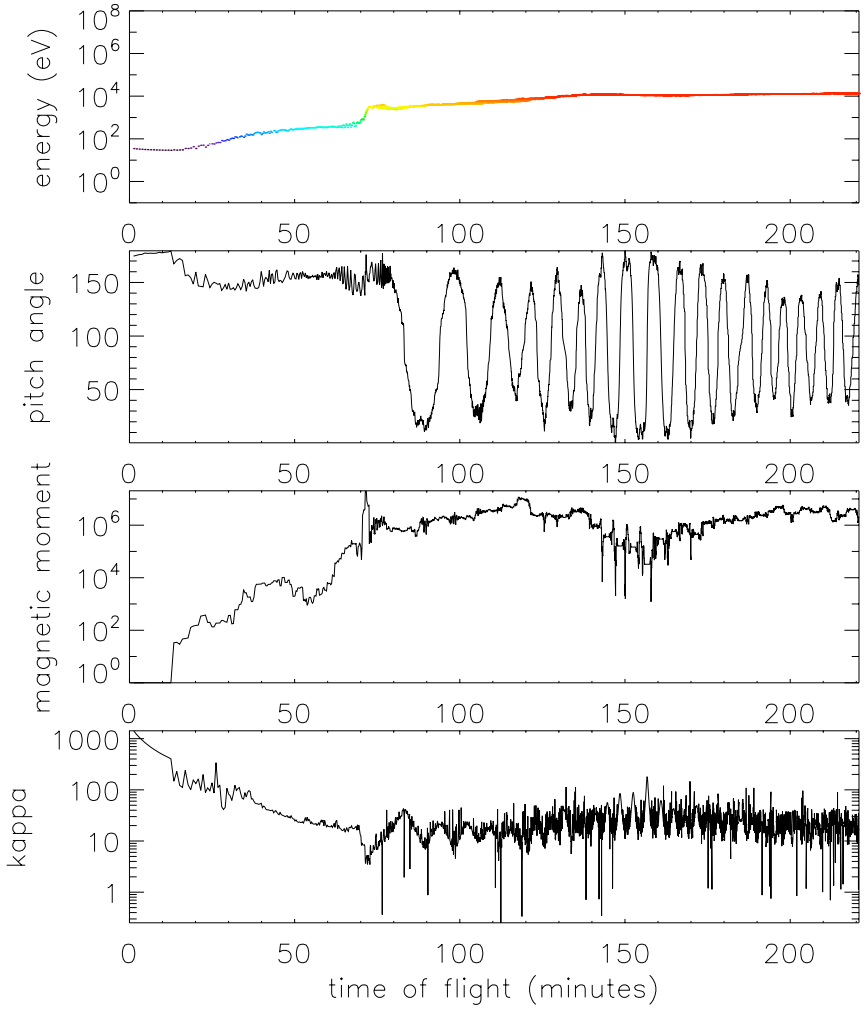
file: particle0194091.full

Mon Mar 13 14:25:33 2006

Particle code of D. Delcourt, O+







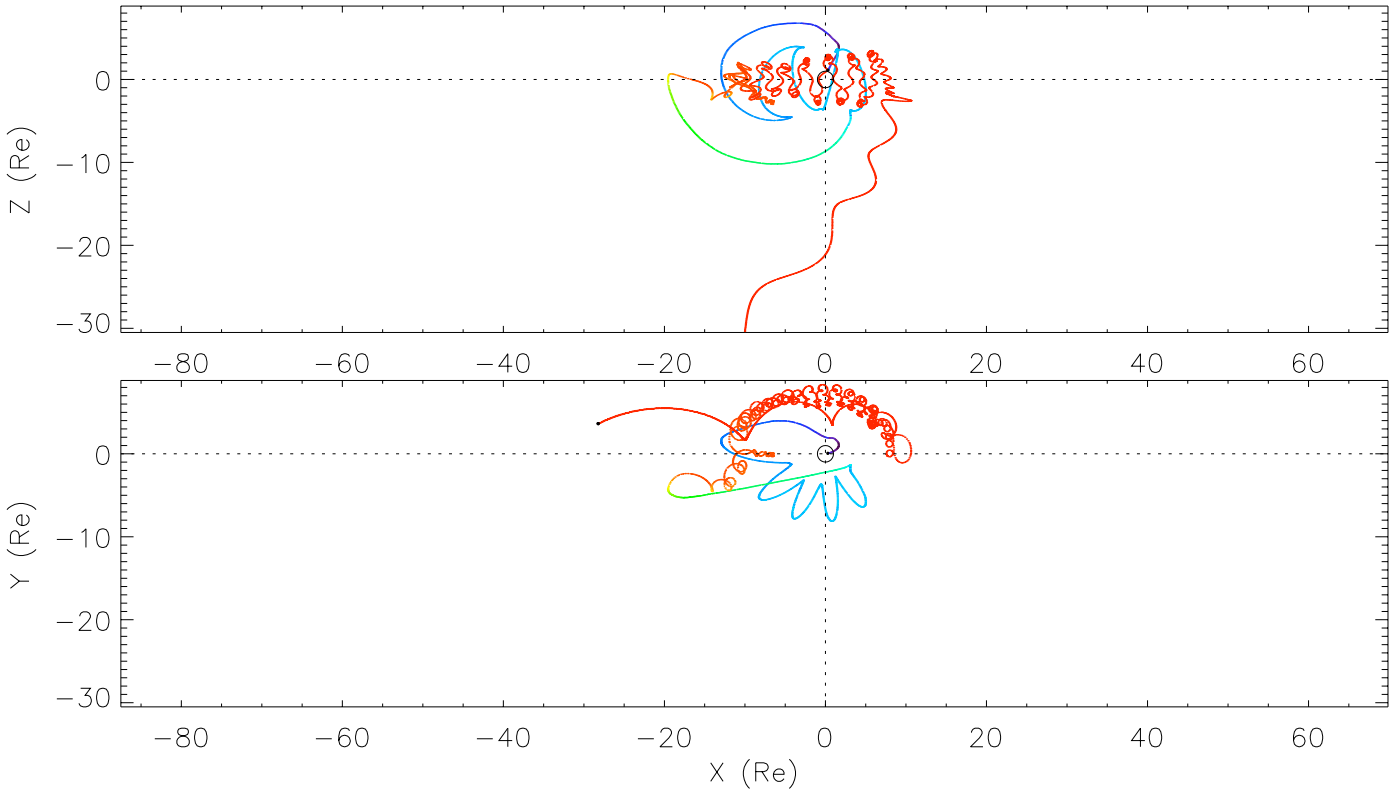
Start, Stop Parameters:

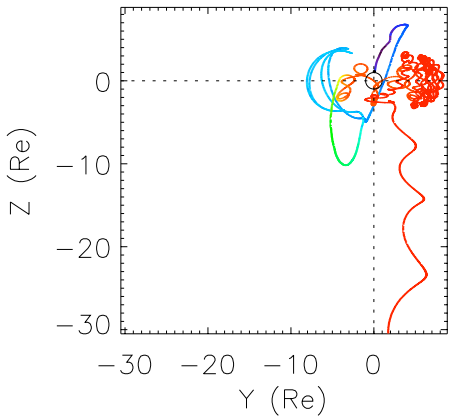
Time (minute): 1.3, 220.8
Magnetic local time: 11.390, 2.448
Magnetic latitude: 80.640,−15.590
Distance (Re): 1.16, 5.05
Energy (eV): 34.85, 13370.00
Pitch angle: 174.400, 147.600
Tilt angle (deg): 0.000

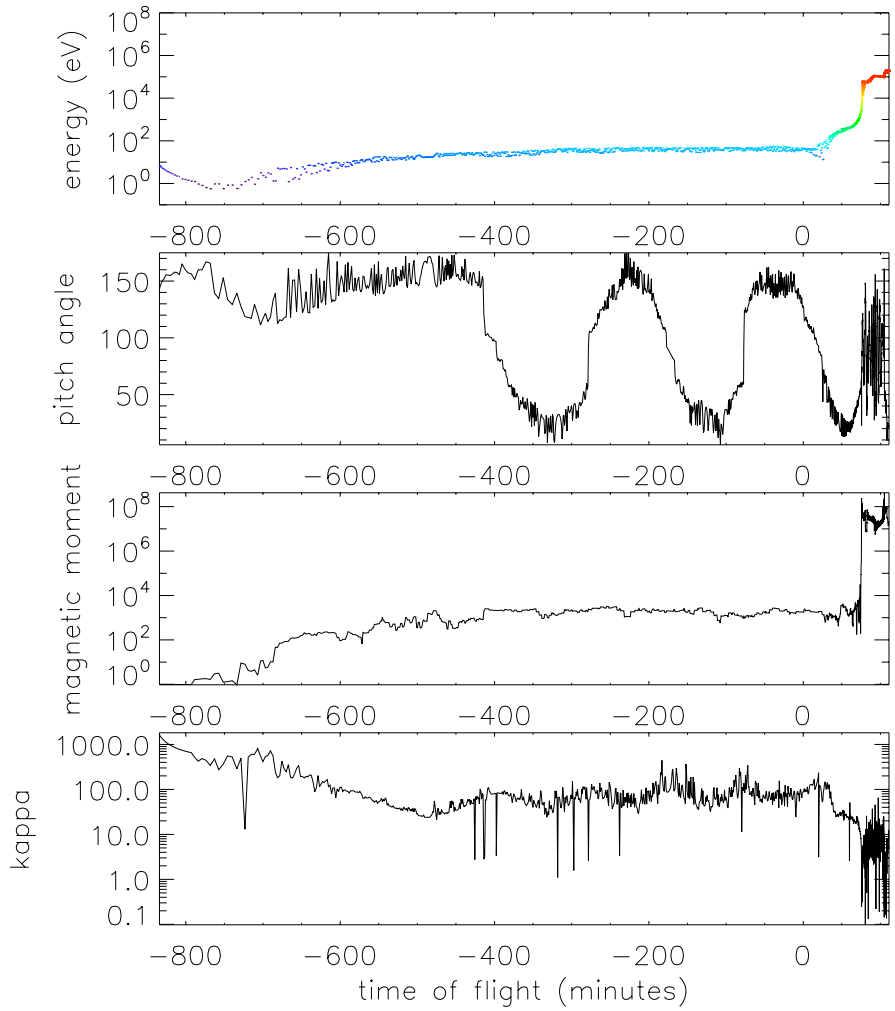
file: particle0215359.full

Mon Mar 13 14:25:34 2006

Particle code of D. Delcourt, O+







Start, Stop Parameters:

Time (minute): −834.2, 111.1
Magnetic local time: 12.760, 23.510
Magnetic latitude: 74.740,−66.010
Distance (Re): 1.16, 70.00
Energy (eV): 6.87, 186400.00
Pitch angle: 143.000, 19.730
Tilt angle (deg): 0.000

file: particle0225637.full

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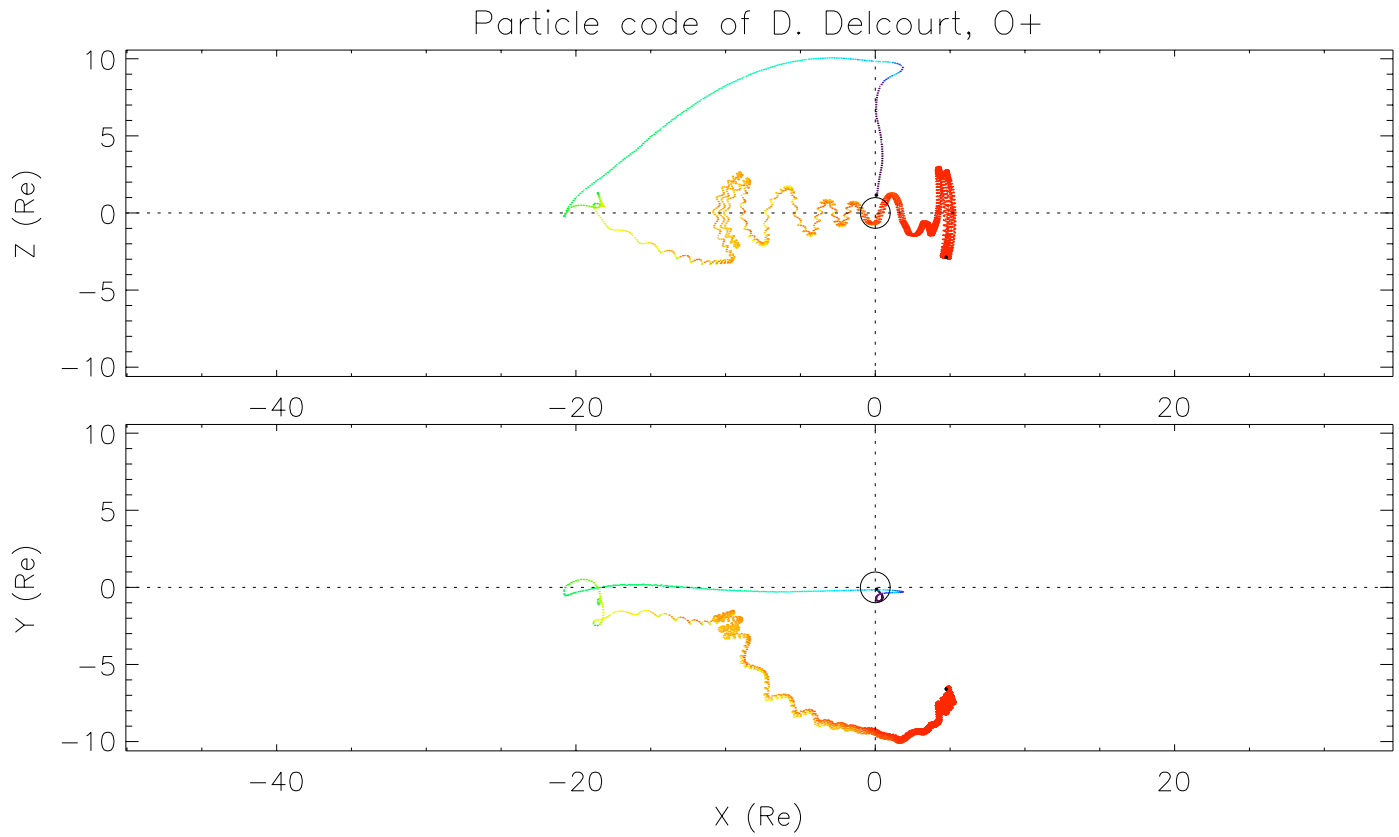

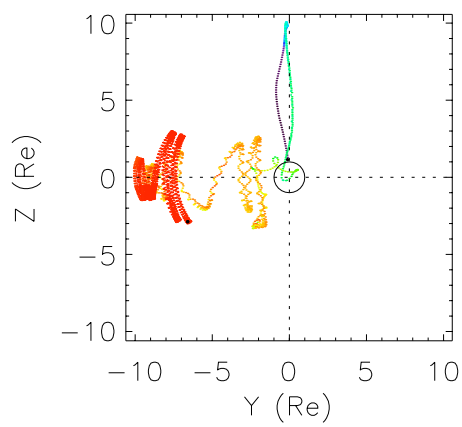

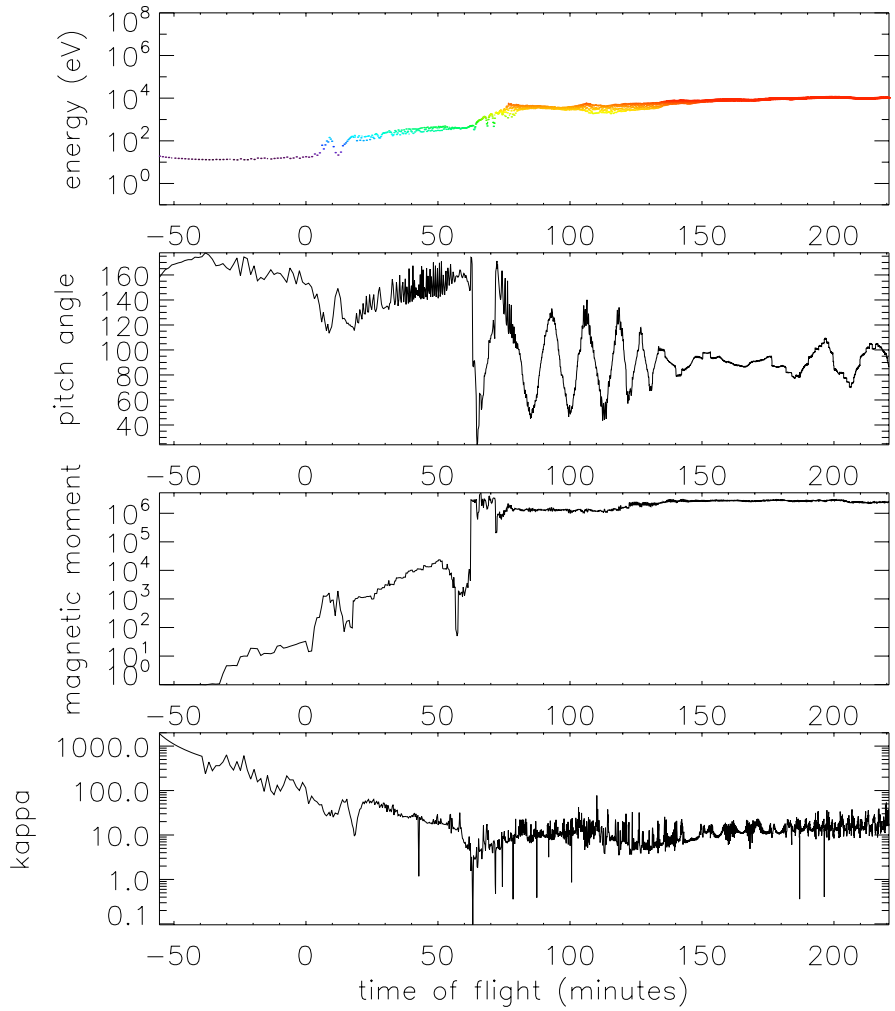

Start, Stop Parameters:

Time (minute): −55.5, 220.8
Magnetic local time: 8.396, 8.381
Magnetic latitude: 82.950,−19.520
Distance (Re): 1.16, 8.61
Energy (eV): 19.01, 10490.00
Pitch angle: 158.300, 86.380
Tilt angle (deg): 0.000

file: particle0243863.full

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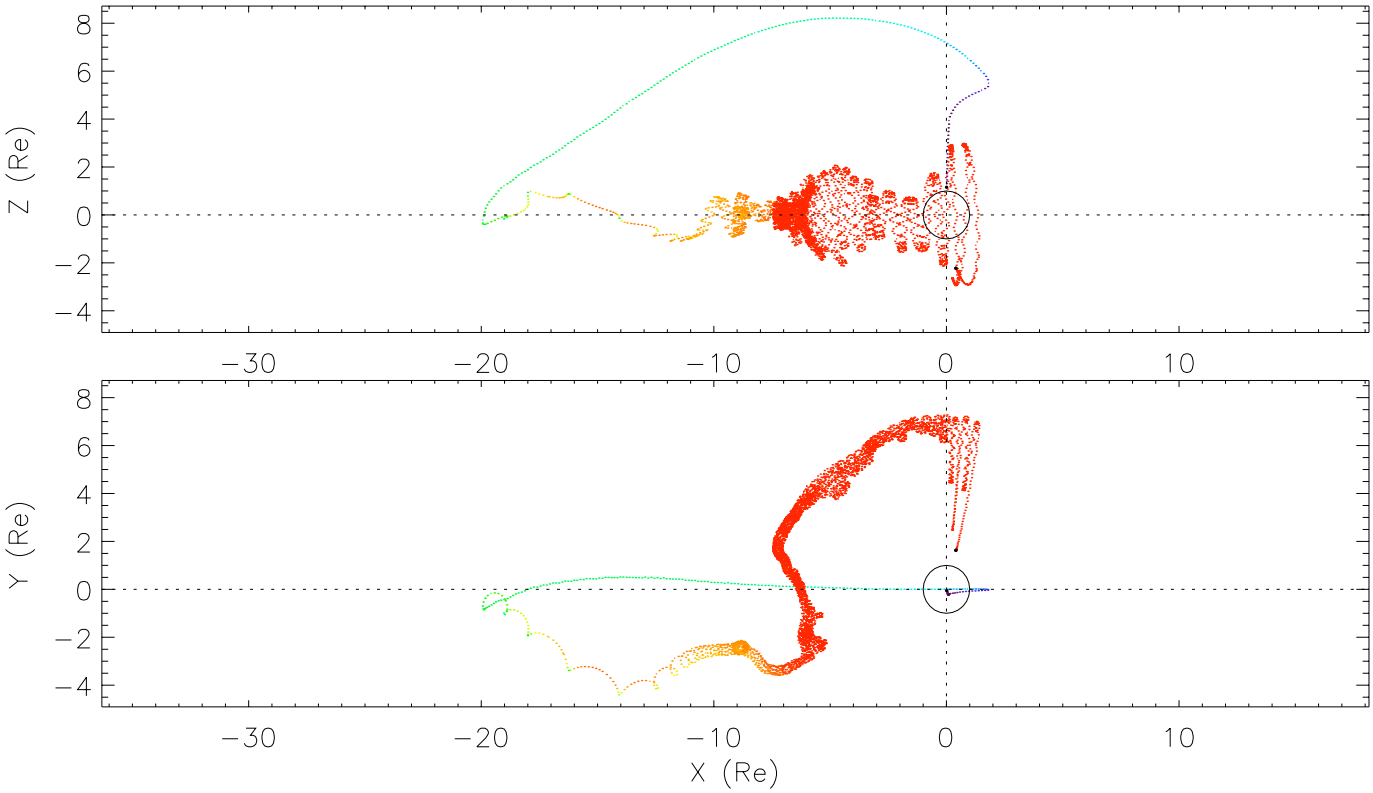
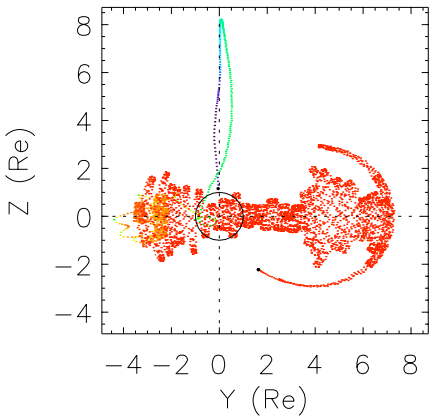
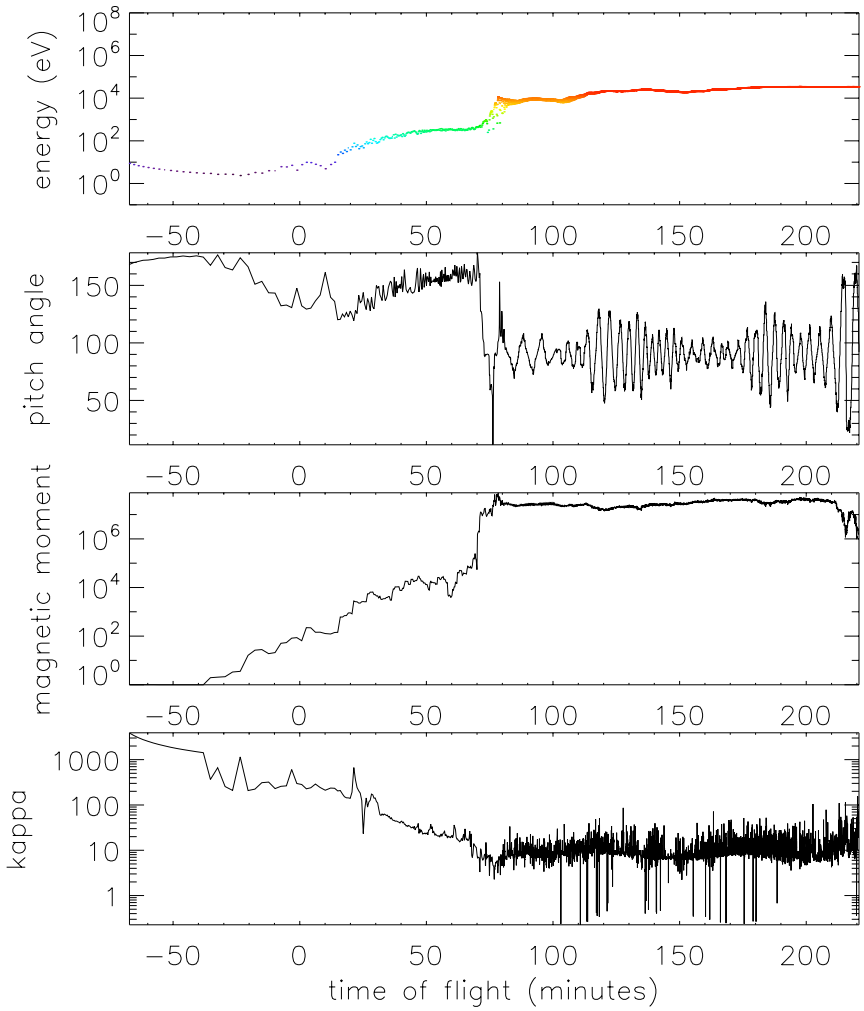
Particle code of D. Delcourt, O+







Start, Stop Parameters:

Time (minute): −67.2, 220.8
Magnetic local time: 6.349, 17.070
Magnetic latitude: 87.410,−52.960
Distance (Re): 1.16, 2.79
Energy (eV): 8.75, 34240.00
Pitch angle: 168.300, 92.080
Tilt angle (deg): 0.000

file: particle0254795.full

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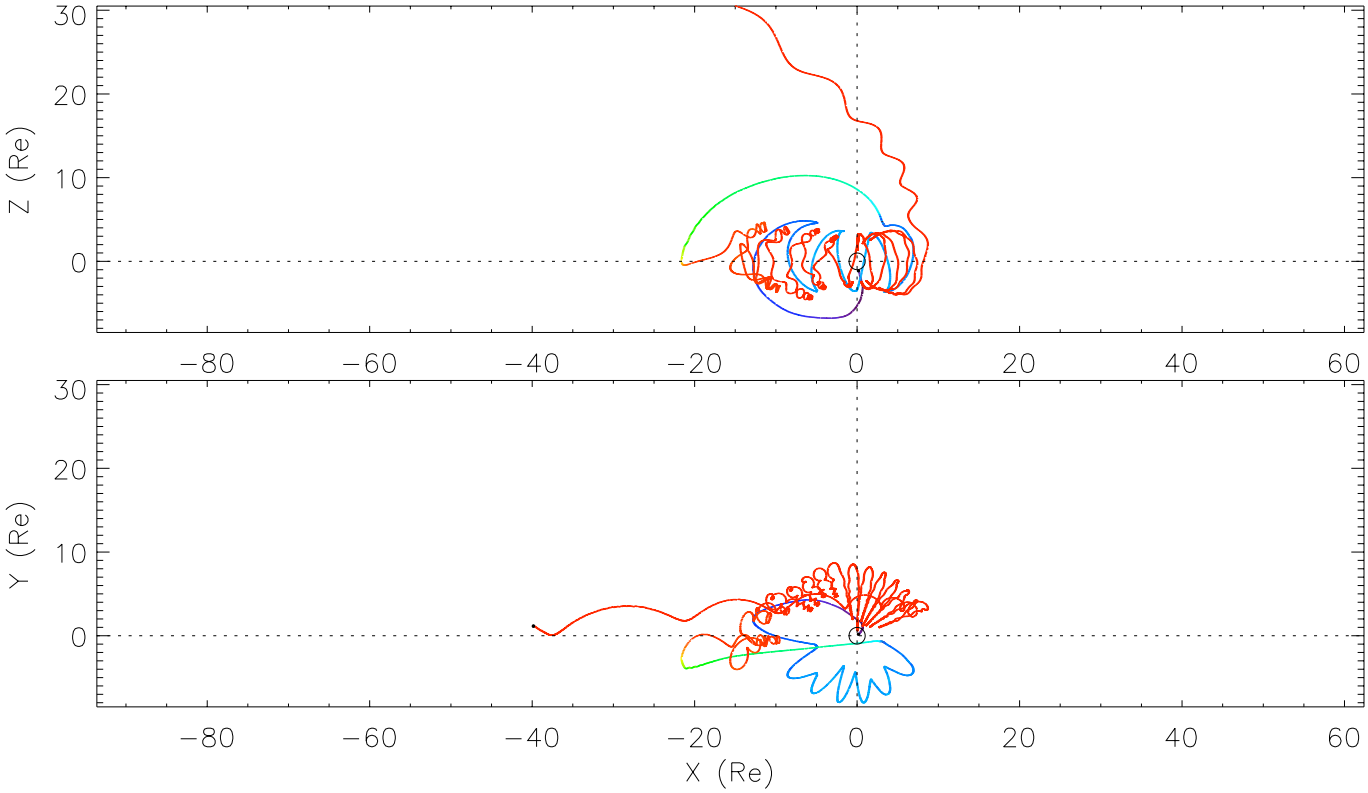
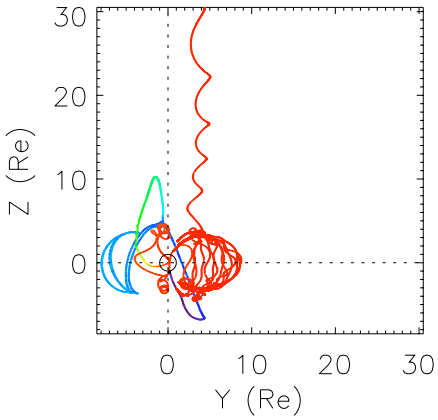
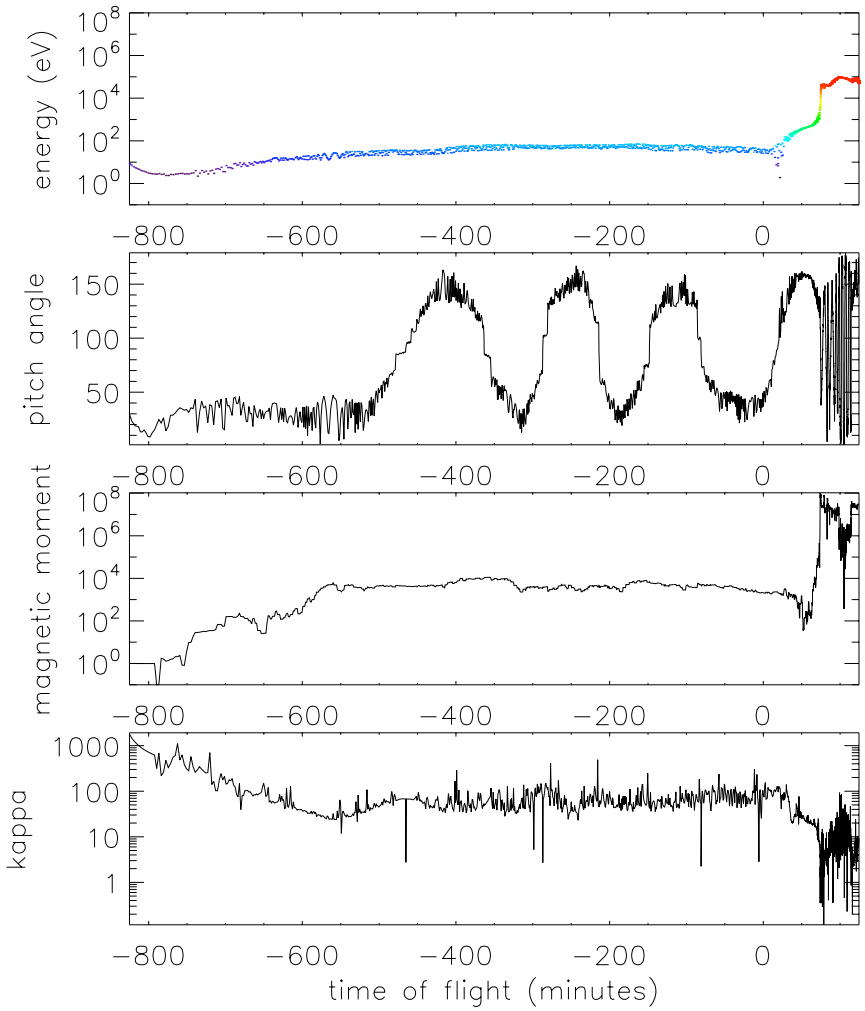
Particle code of D. Delcourt, O+







Start, Stop Parameters:

Time (minute): −825.0, 124.6
Magnetic local time: 15.090, 23.890
Magnetic latitude: −78.190, 55.290
Distance (Re): 1.16, 70.00
Energy (eV): 8.46, 63480.00
Pitch angle: 29.510, 150.600
Tilt angle (deg): 0.000

file: particle0270258.full

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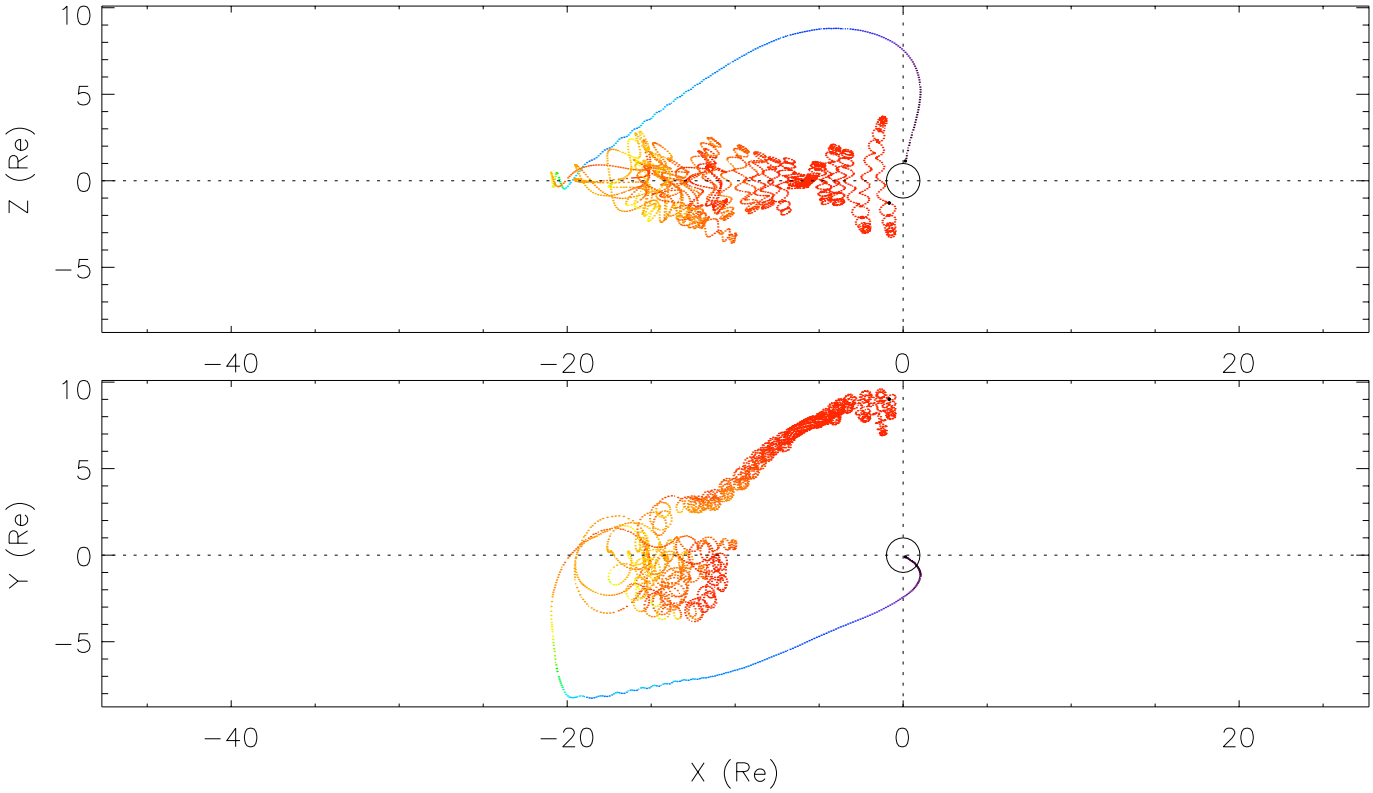
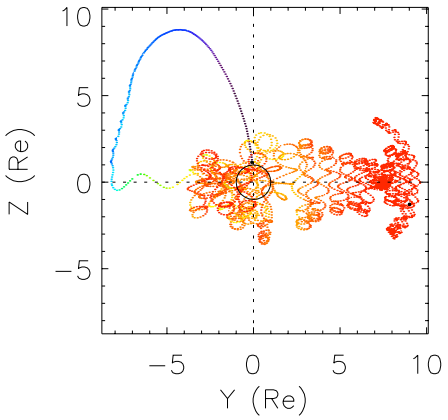
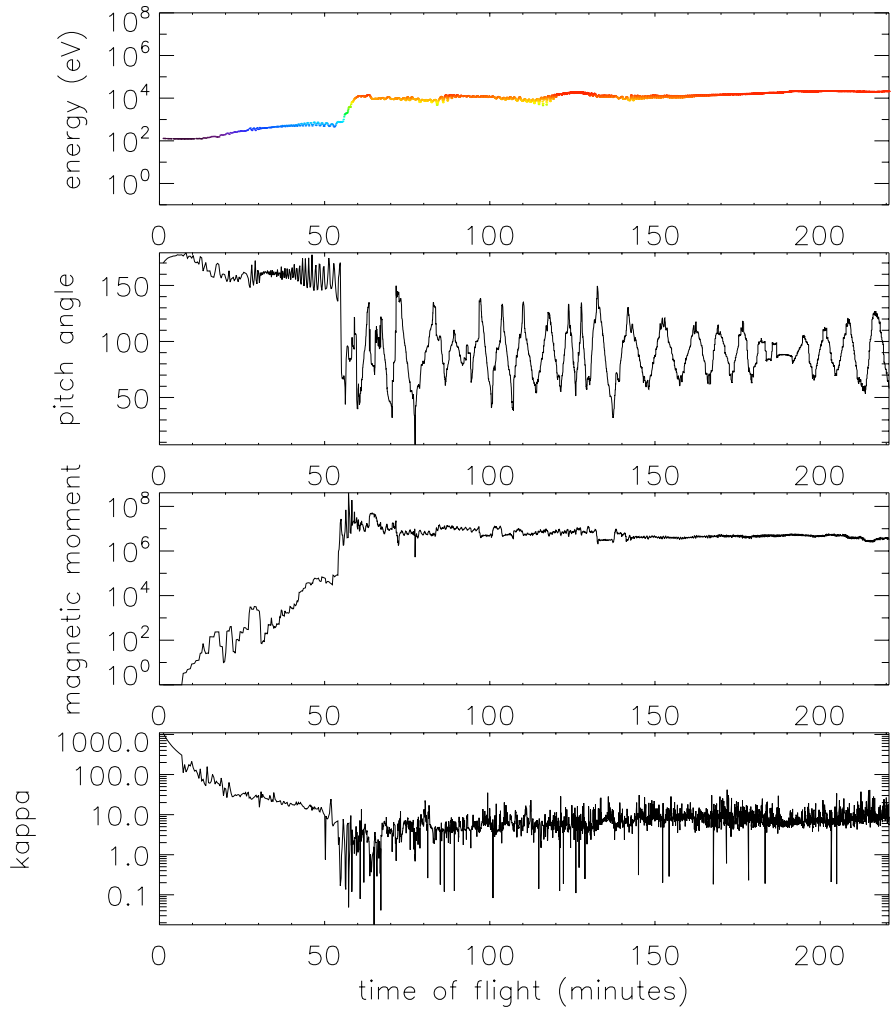
Particle code of D. Delcourt, O+







Start, Stop Parameters:

Time (minute): 1.2, 220.8
Magnetic local time: 9.608, 18.350
Magnetic latitude: 81.740, −8.070
Distance (Re): 1.16, 9.14
Energy (eV): 129.20, 20950.00
Pitch angle: 170.100, 58.140
Tilt angle (deg): 0.000

file: particle0306733.full

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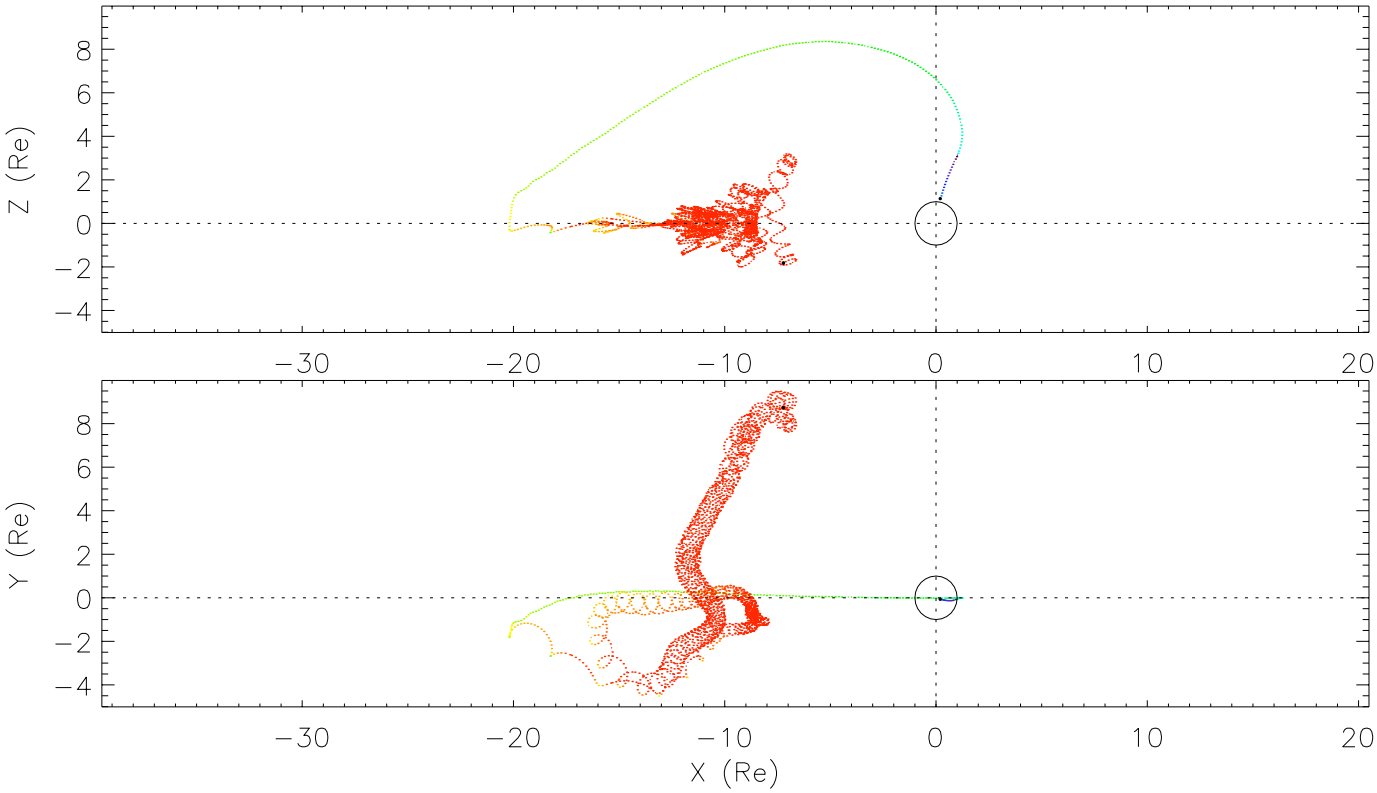
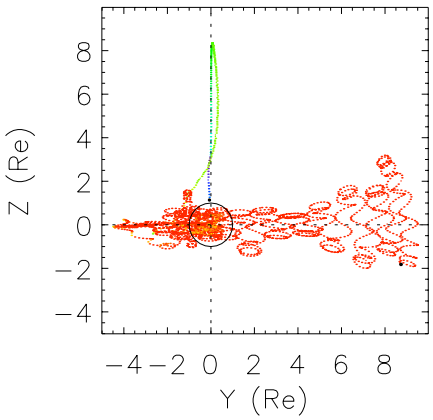
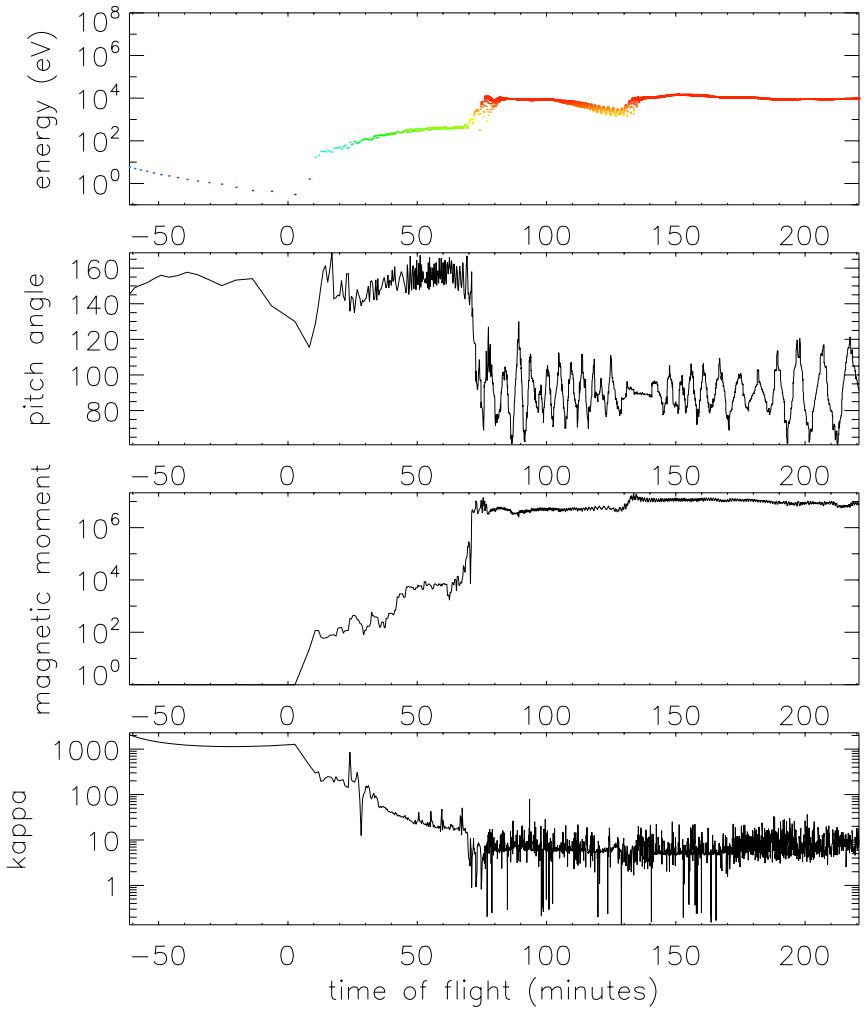
Particle code of D. Delcourt, O+







Start, Stop Parameters:

Time (minute): −61.3, 220.8
Magnetic local time: 10.750, 20.640
Magnetic latitude: 79.550, −9.132
Distance (Re): 1.16, 11.48
Energy (eV): 6.00, 9561.00
Pitch angle: 145.400, 91.240
Tilt angle (deg): 0.000

file: particle0332761.full

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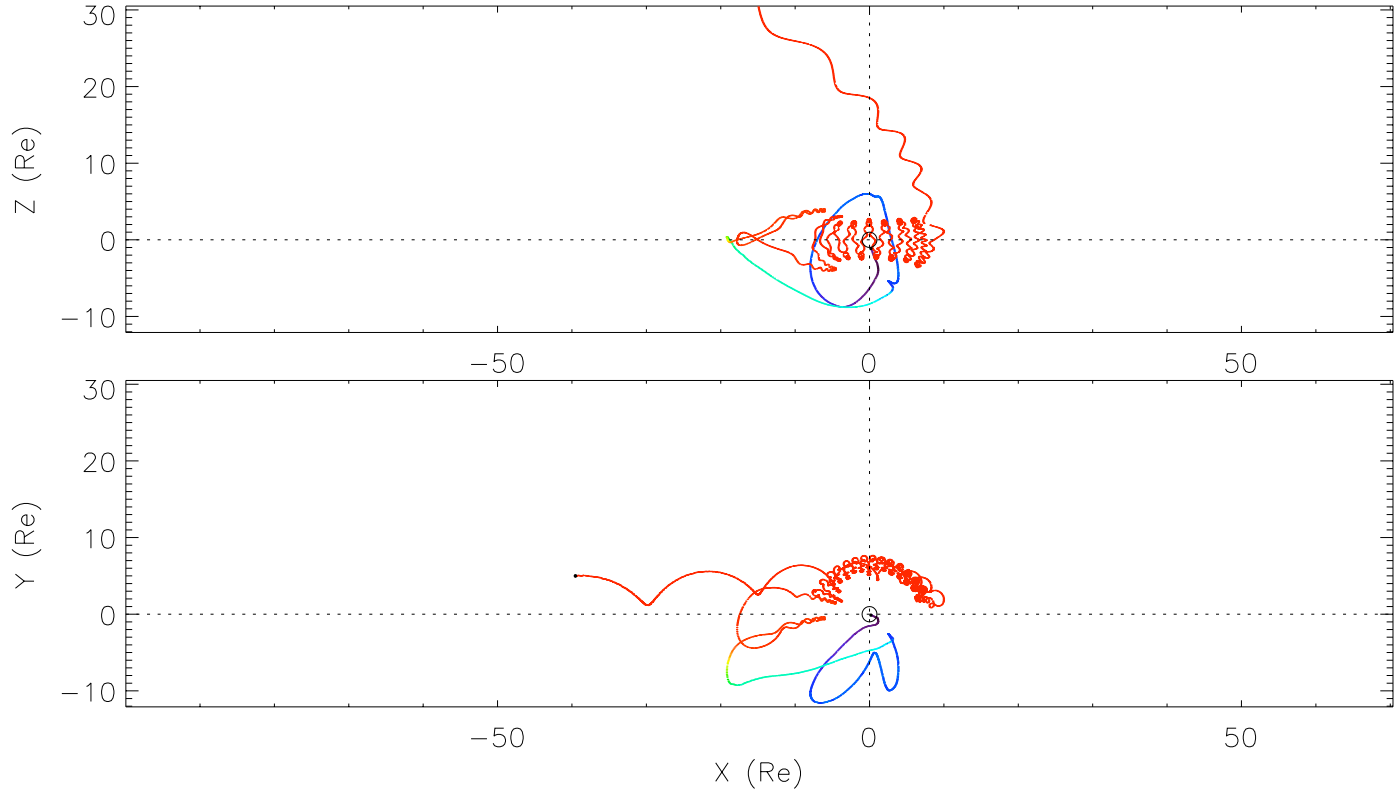
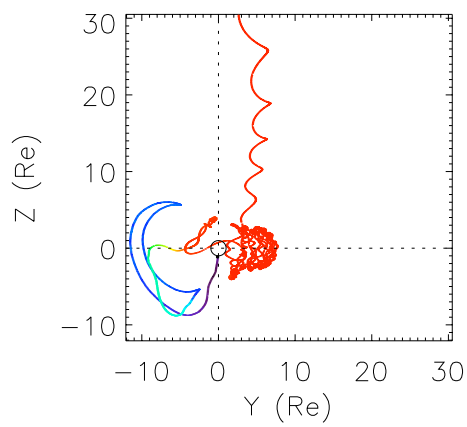
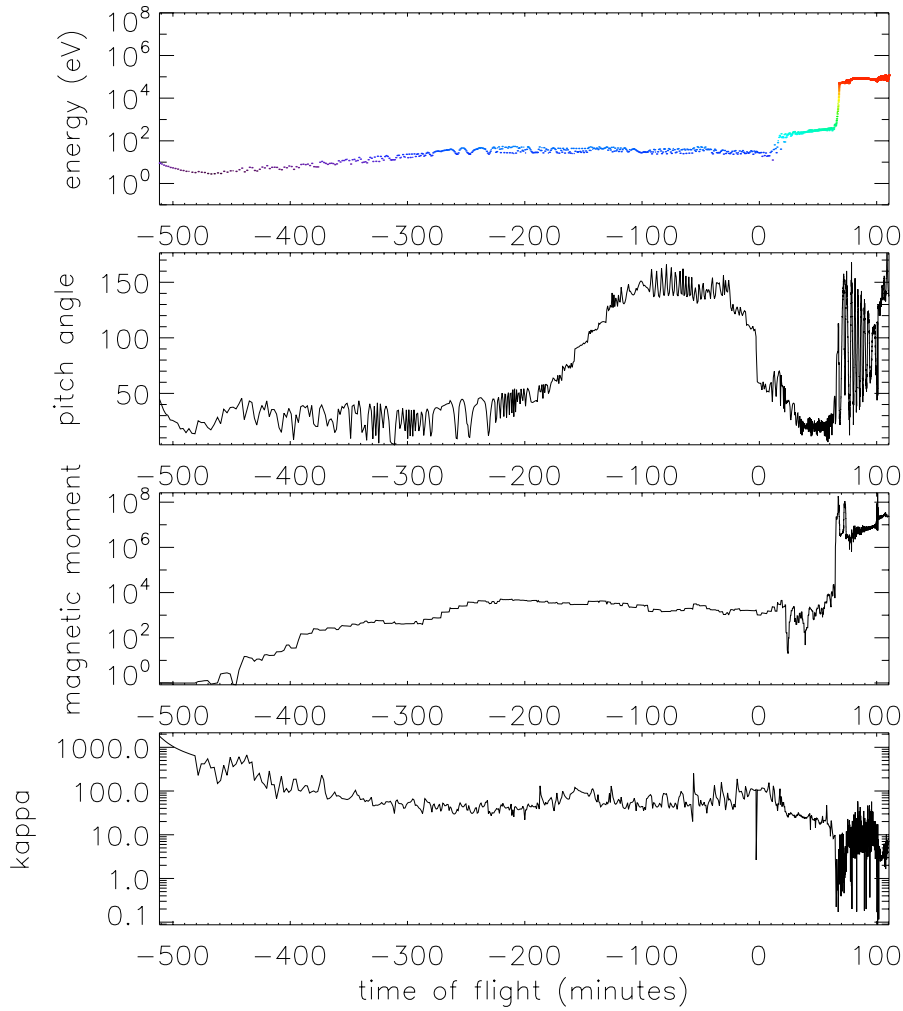
Particle code of D. Delcourt, O+







Start, Stop Parameters:

Time (minute): −511.5, 110.5
Magnetic local time: 9.845, 23.520
Magnetic latitude: −78.740, 55.310
Distance (Re): 1.16, 70.01
Energy (eV): 8.95, 118800.00
Pitch angle: 44.750, 137.500
Tilt angle (deg): 0.000

file: particle0353780.full

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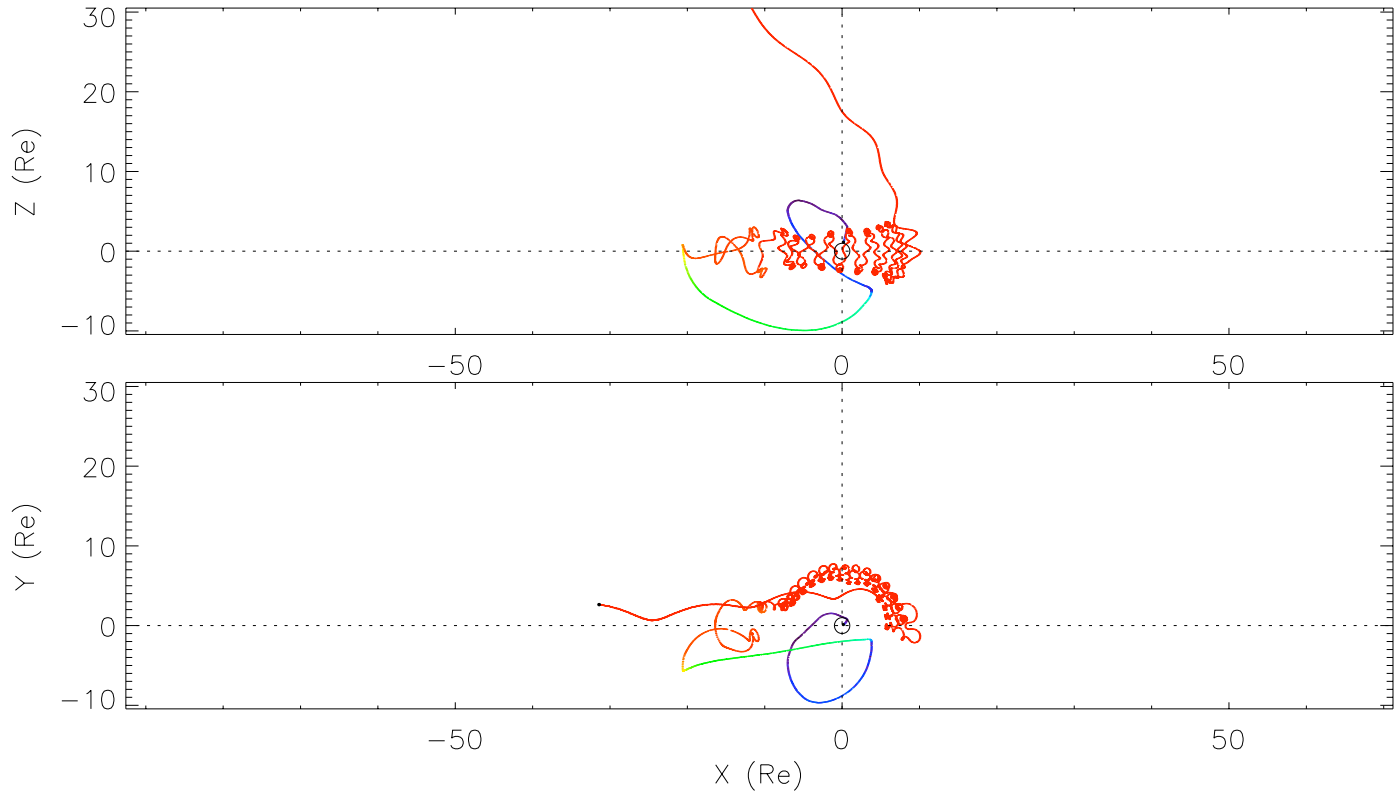
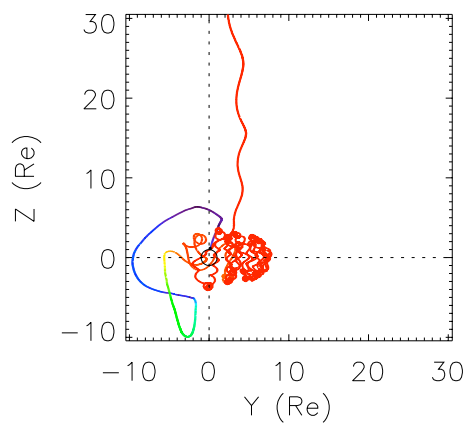
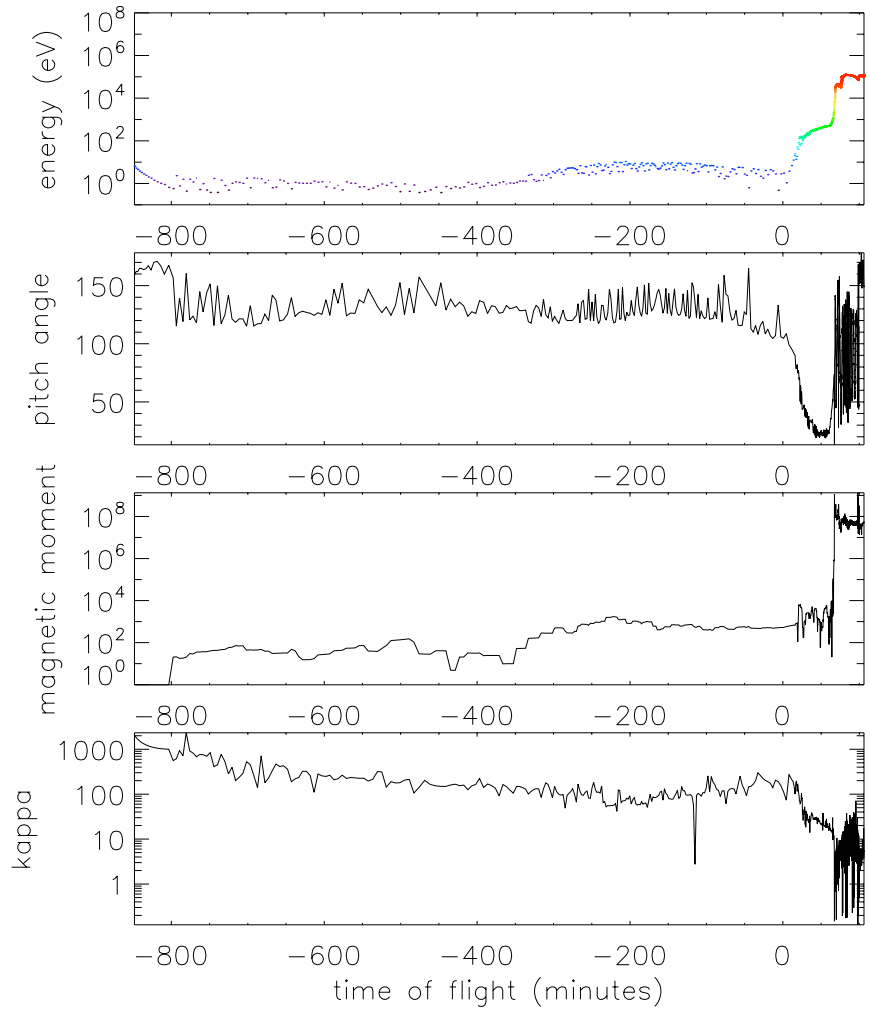
Particle code of D. Delcourt, O+







Start, Stop Parameters:

Time (minute): −848.3, 106.1
Magnetic local time: 14.610, 23.680
Magnetic latitude: 79.560, 63.240
Distance (Re): 1.16, 70.00
Energy (eV): 6.33, 121900.00
Pitch angle: 159.500, 148.300
Tilt angle (deg): 0.000

file: particle0355985.full

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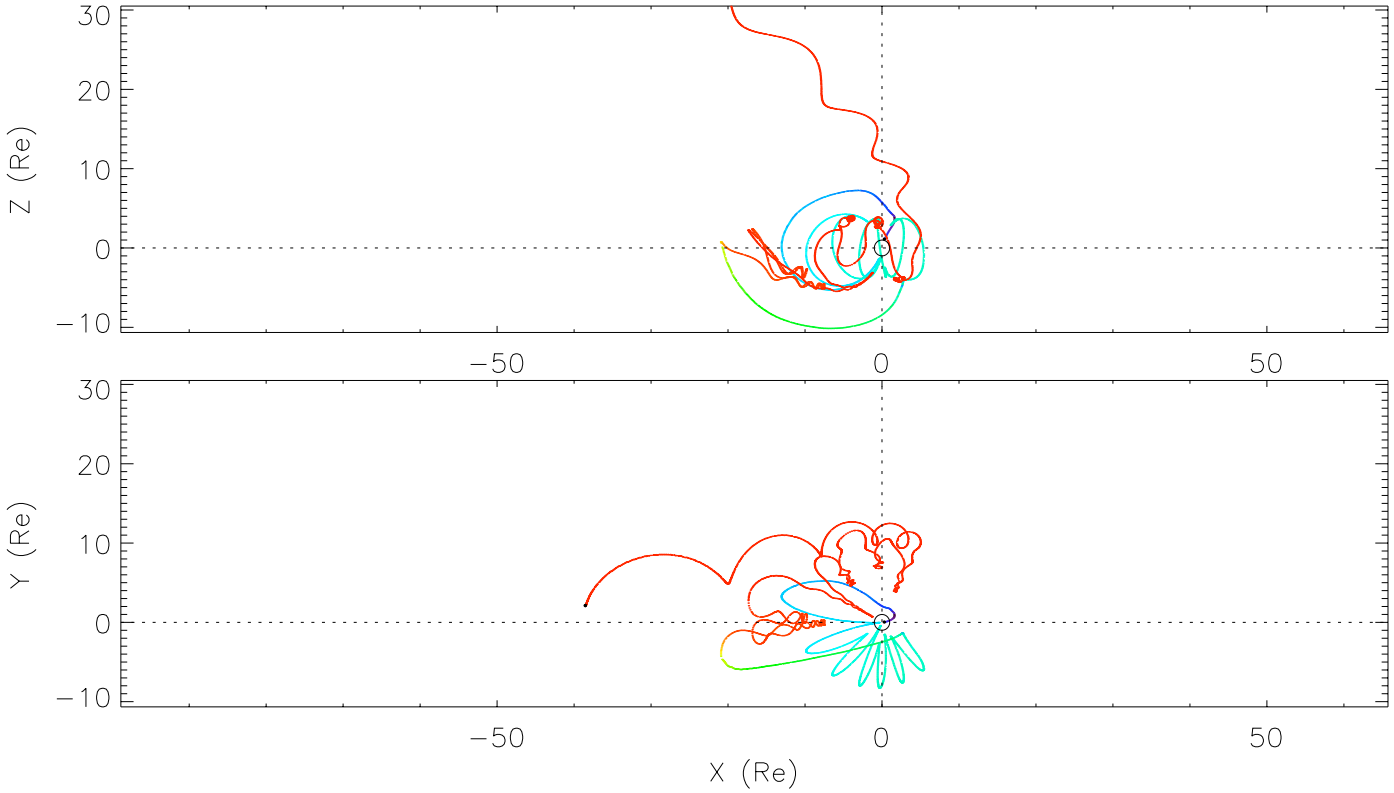
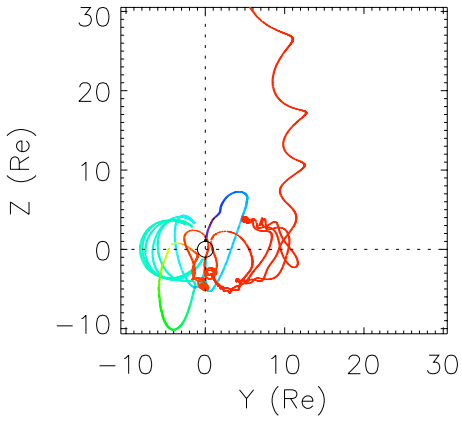
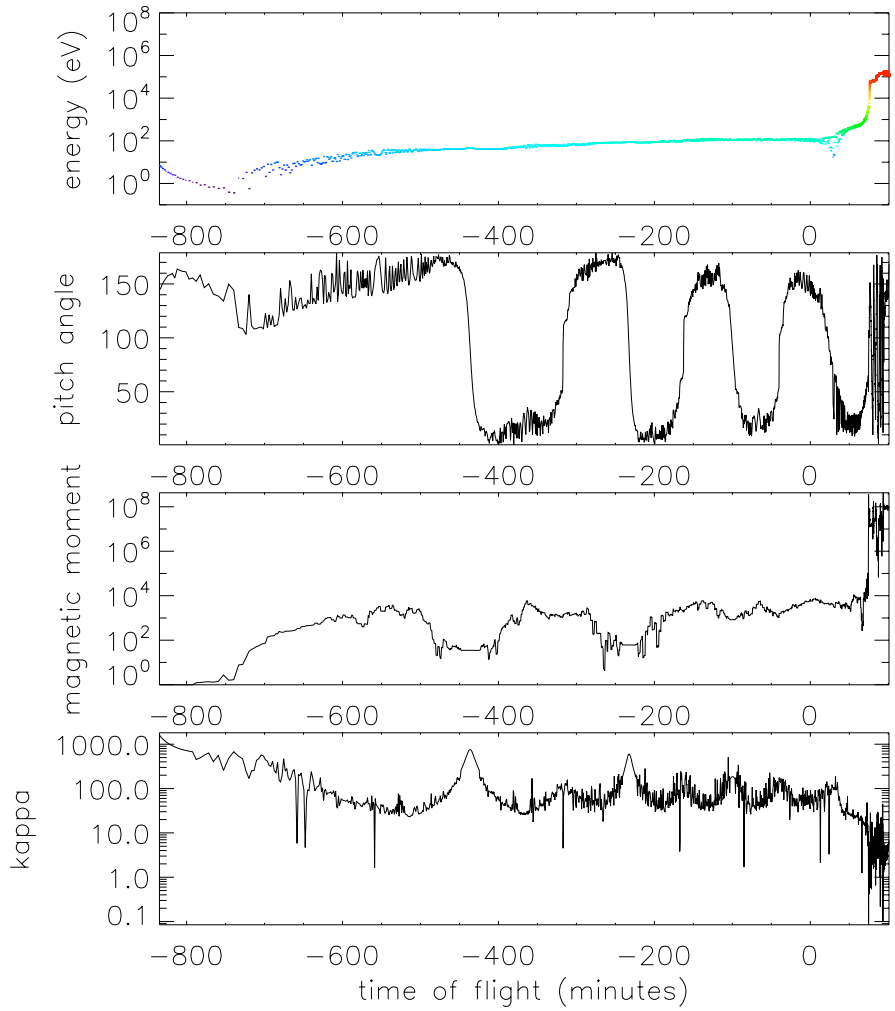
Particle code of D. Delcourt, O+







Start, Stop Parameters:

Time (minute): −834.8, 100.9
Magnetic local time: 12.520, 23.790
Magnetic latitude: 74.650, 56.540
Distance (Re): 1.16, 70.00
Energy (eV): 6.75, 105600.00
Pitch angle: 143.600, 168.700
Tilt angle (deg): 0.000

file: particle0356009.full

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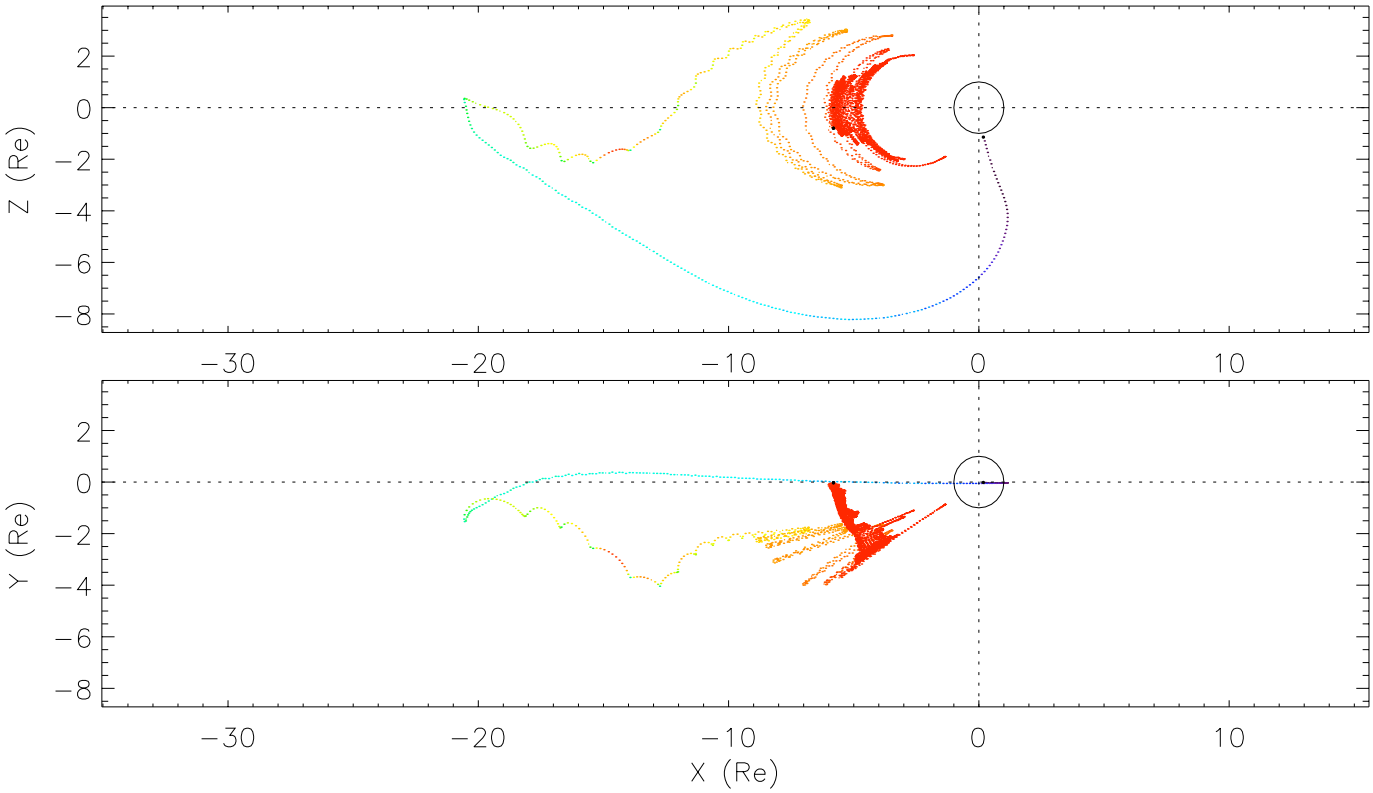
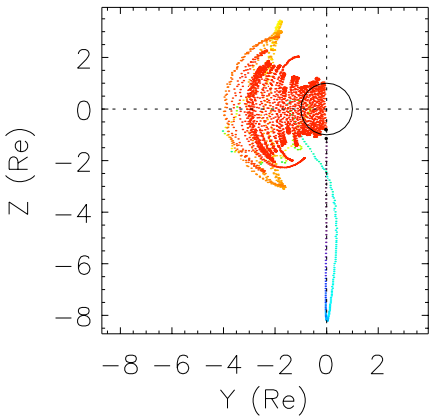
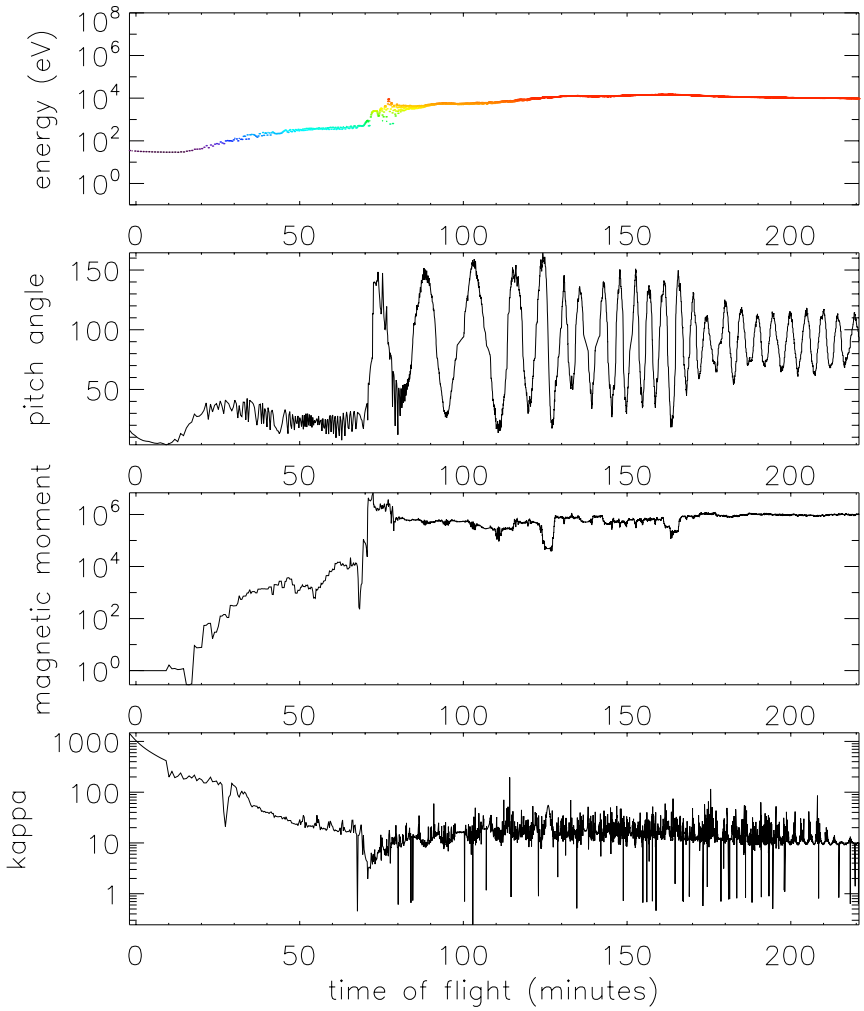
Particle code of D. Delcourt, O+







Start, Stop Parameters:

Time (minute): −2.0, 220.8
Magnetic local time: 11.640, 0.018
Magnetic latitude: −81.020, −7.827
Distance (Re): 1.16, 5.87
Energy (eV): 35.12, 9513.00
Pitch angle: 15.980, 90.480
Tilt angle (deg): 0.000

file: particle0377704.full

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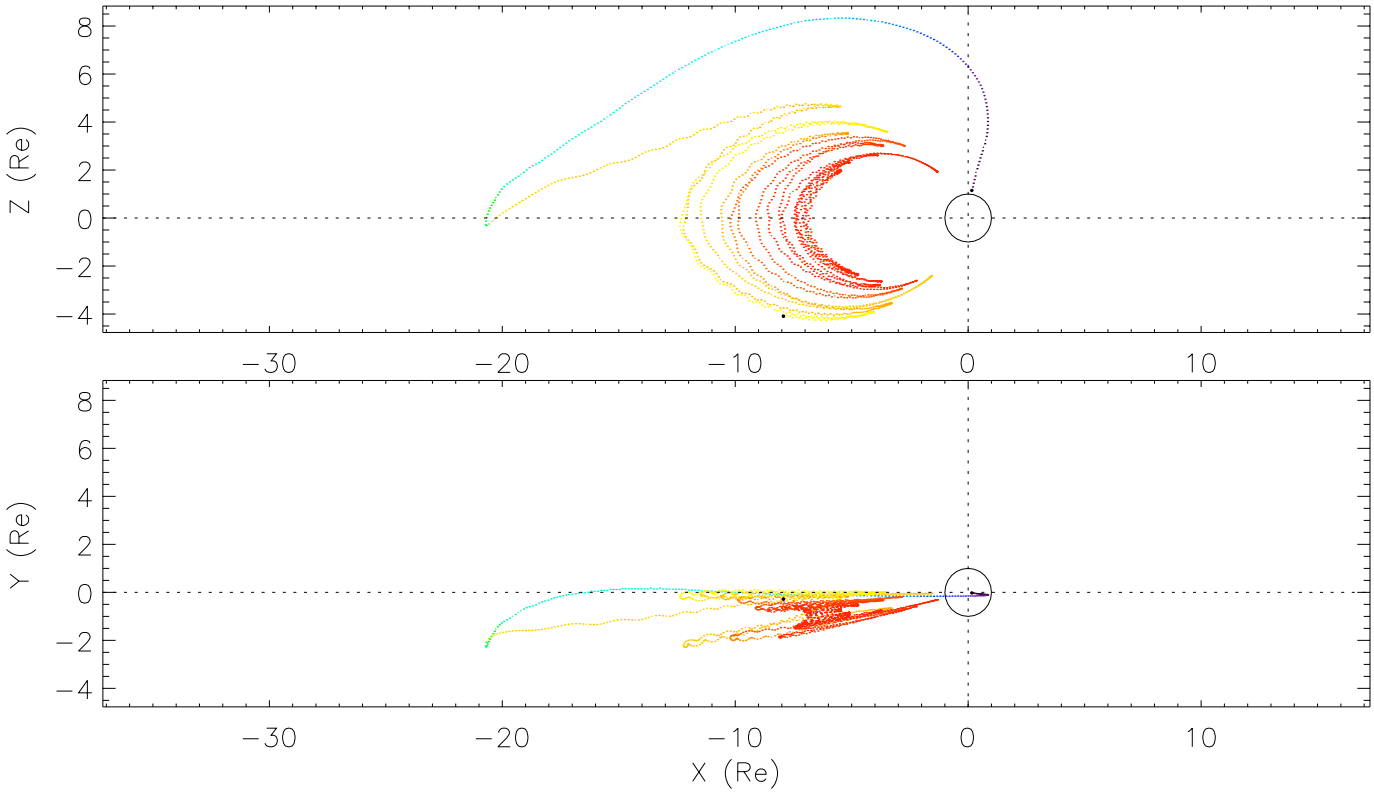
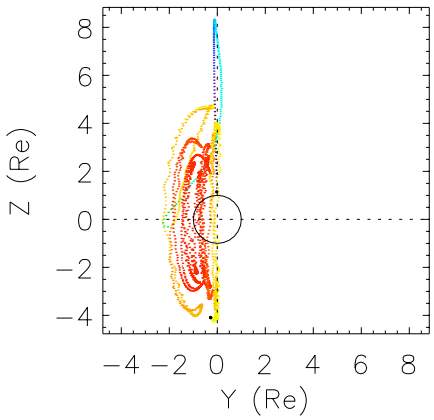
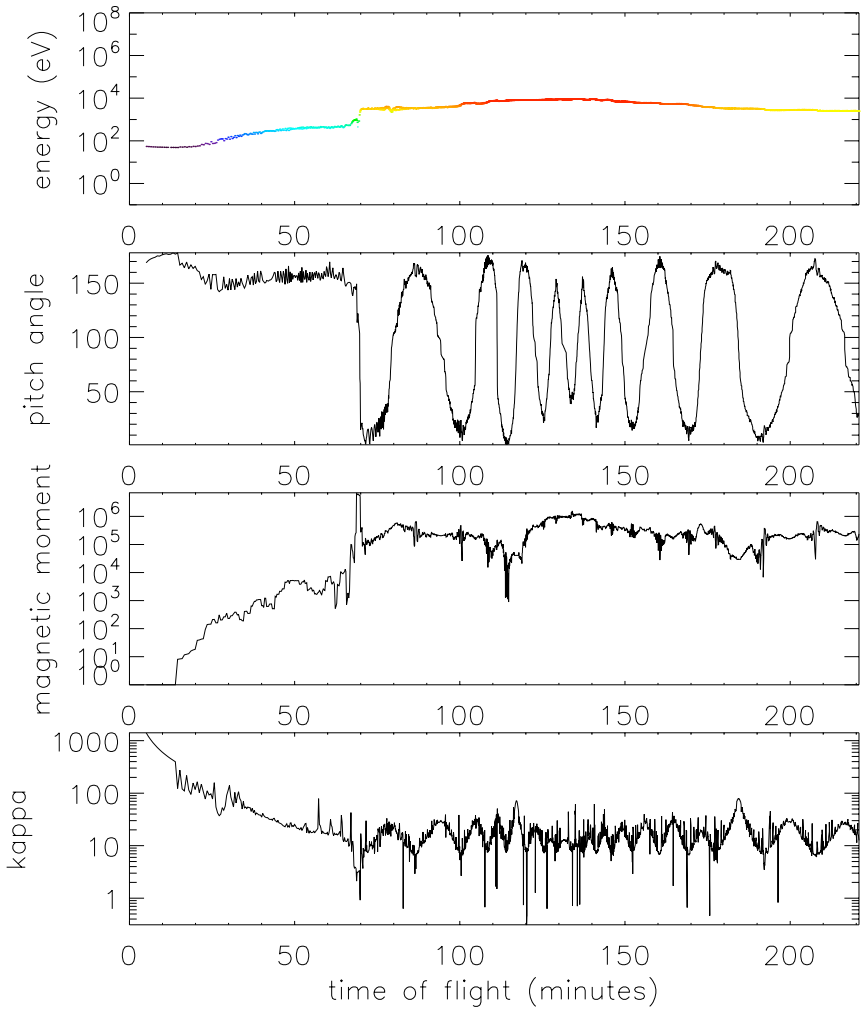
Particle code of D. Delcourt, O+







Start, Stop Parameters:

Time (minute): 5.1, 220.8
Magnetic local time: 11.400, 0.134
Magnetic latitude: 82.220,−27.280
Distance (Re): 1.16, 8.93
Energy (eV): 54.58, 2448.00
Pitch angle: 169.200, 30.130
Tilt angle (deg): 0.000

file: particle0423897.full

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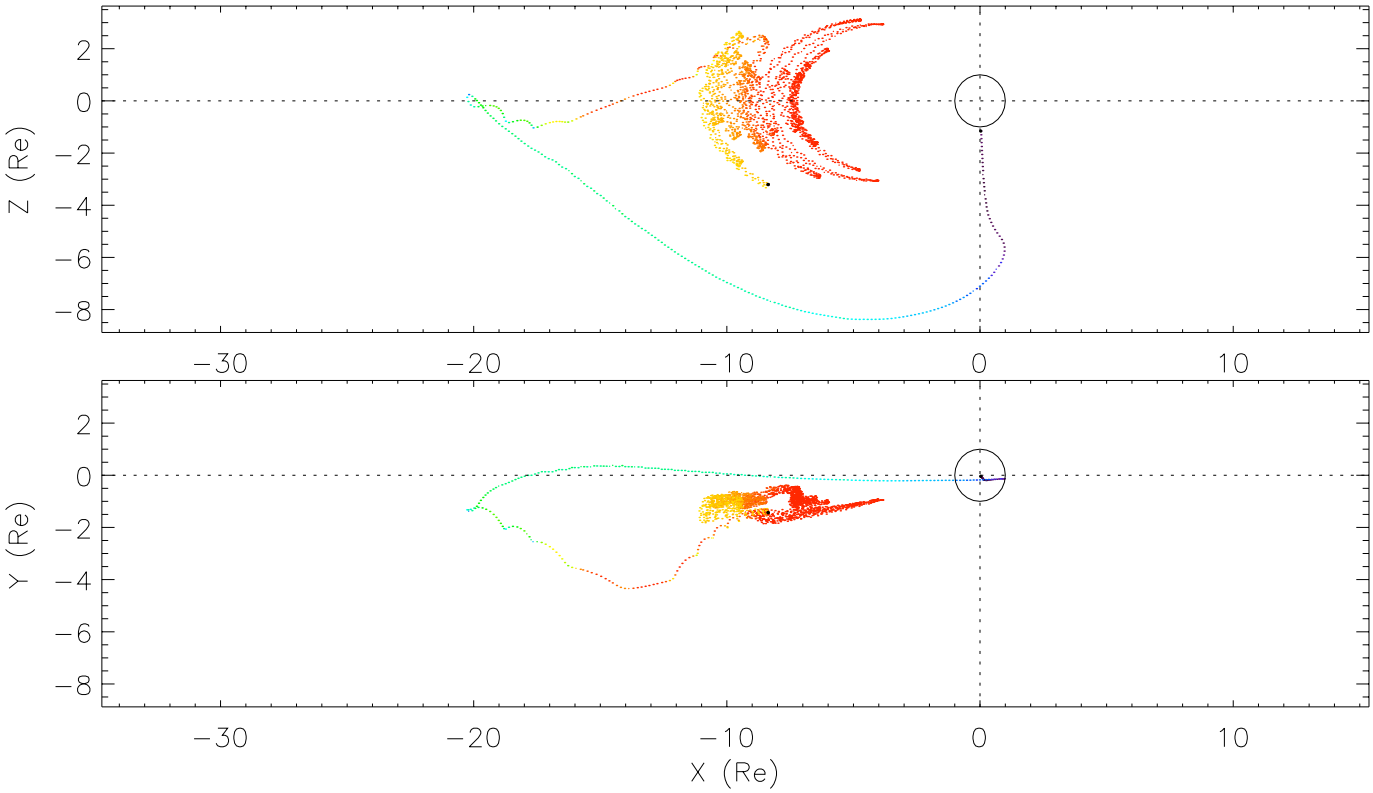
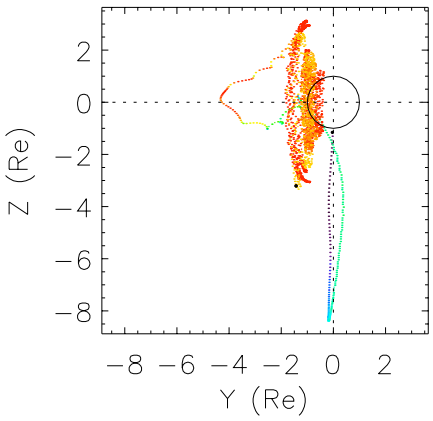
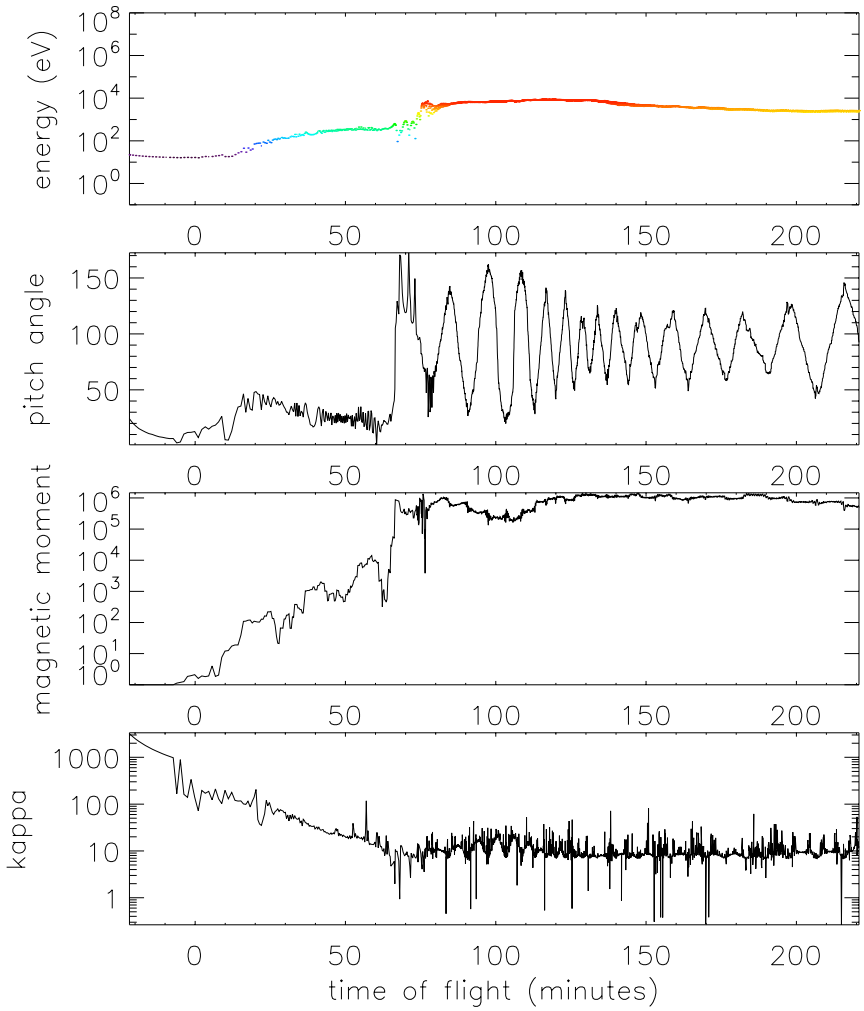
Particle code of D. Delcourt, O+







Start, Stop Parameters:

Time (minute): −21.9, 220.8
Magnetic local time: 8.260, 0.647
Magnetic latitude: −87.600, −20.690
Distance (Re): 1.16, 9.08
Energy (eV): 22.35, 2608.00
Pitch angle: 24.140, 92.430
Tilt angle (deg): 0.000

file: particle0457054.full

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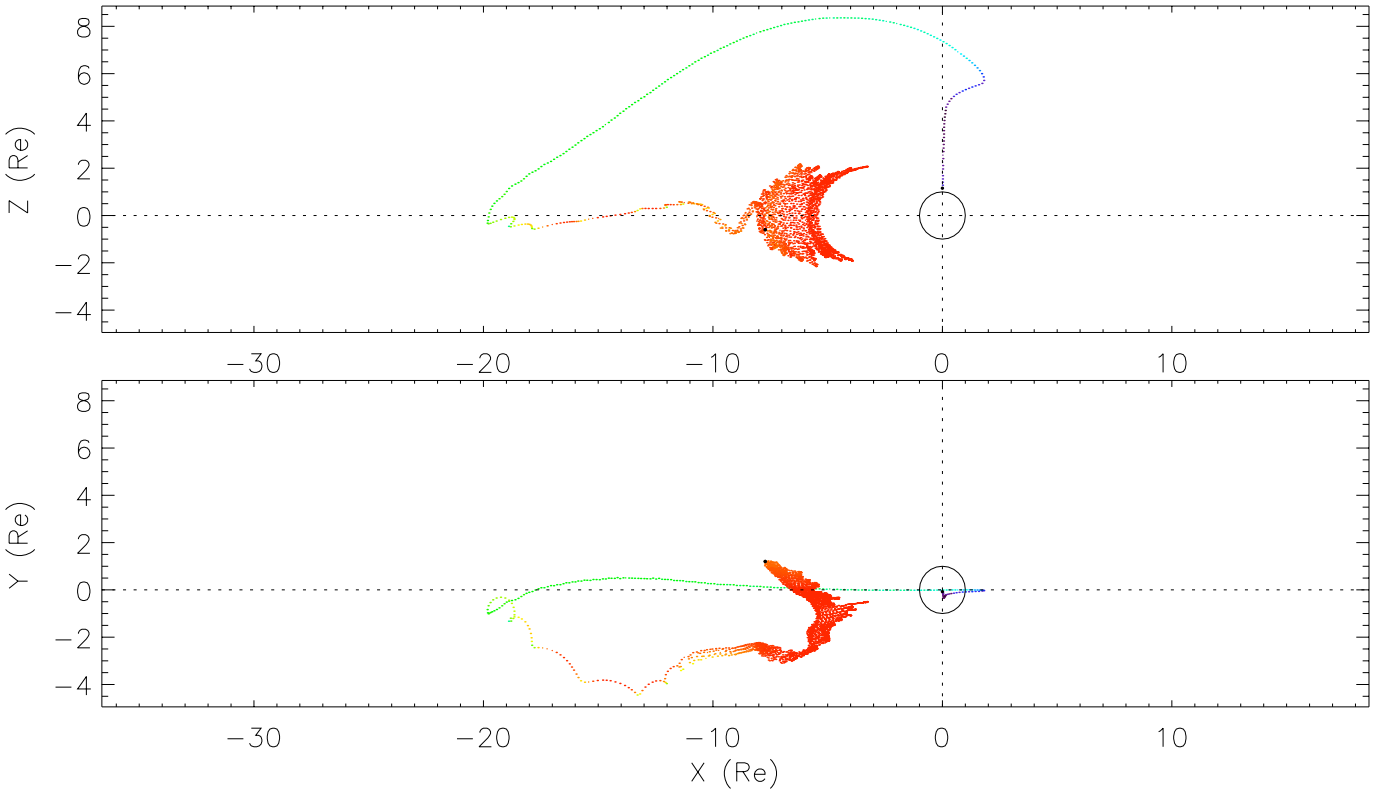
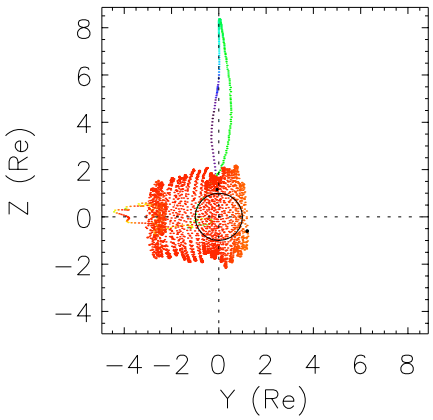
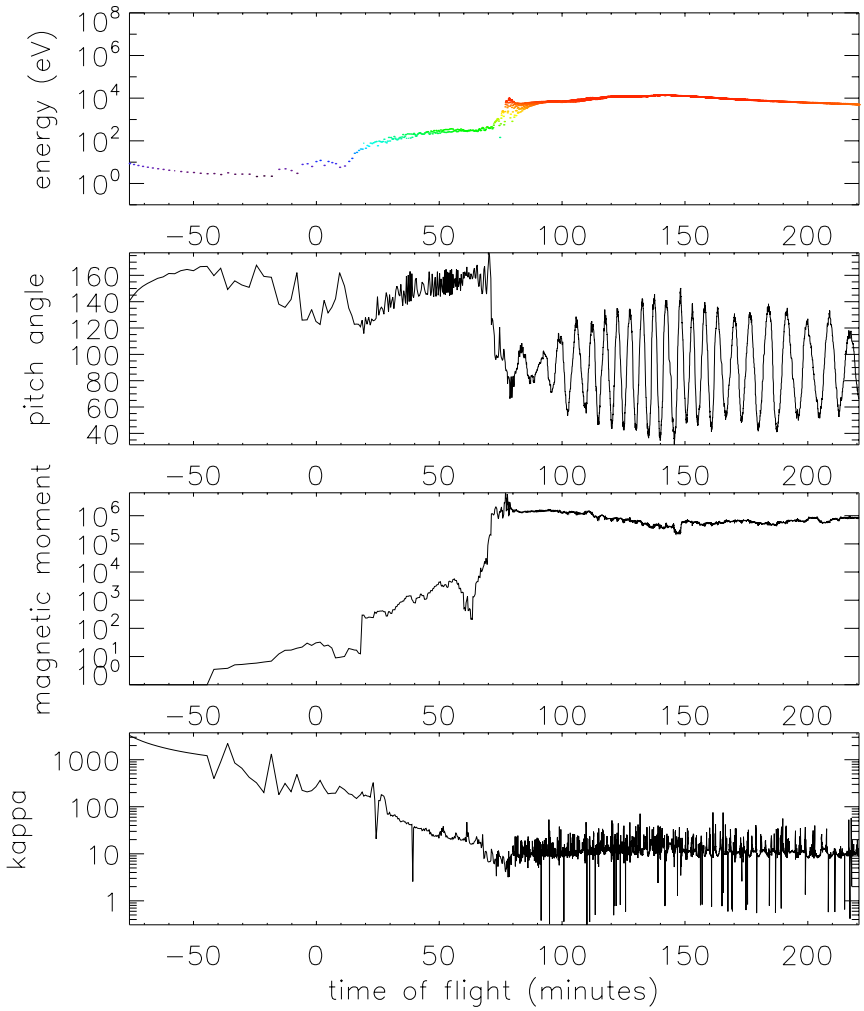
Particle code of D. Delcourt, O+







Start, Stop Parameters:

Time (minute): −76.1, 220.8
Magnetic local time: 5.996, 23.410
Magnetic latitude: 86.390, −4.399
Distance (Re): 1.16, 7.84
Energy (eV): 8.65, 4892.00
Pitch angle: 140.700, 65.960
Tilt angle (deg): 0.000

file: particle0464085.full

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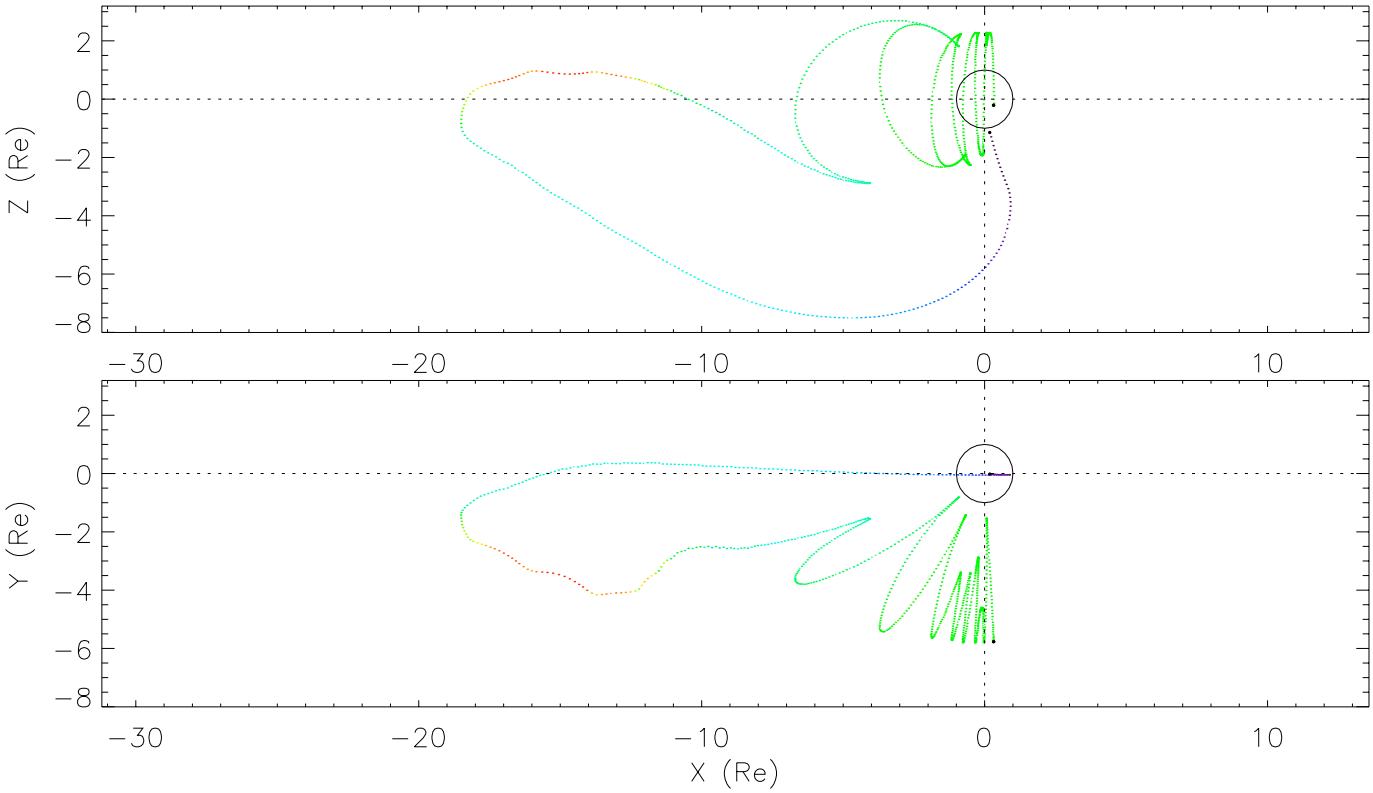
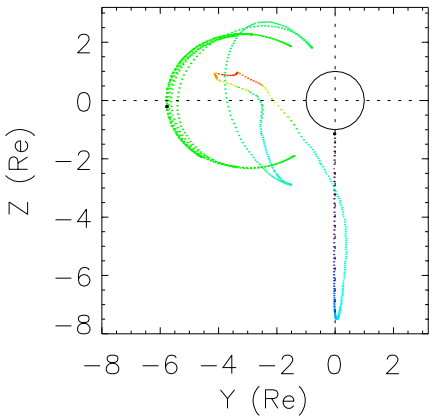
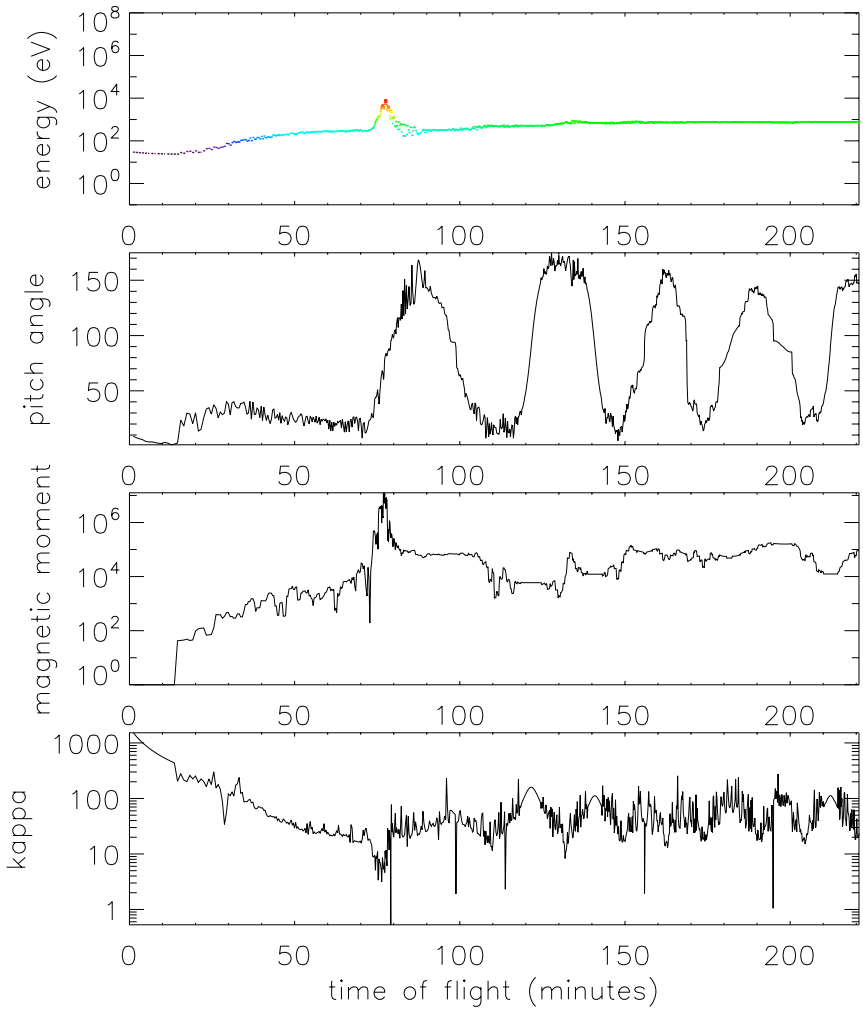
Particle code of D. Delcourt, O+







Start, Stop Parameters:

Time (minute): 1.2, 220.8
Magnetic local time: 11.600, 6.209
Magnetic latitude: −81.030, −2.075
Distance (Re): 1.16, 5.78
Energy (eV): 29.61, 777.00
Pitch angle: 8.654, 147.700
Tilt angle (deg): 0.000

file: particle0469666.full

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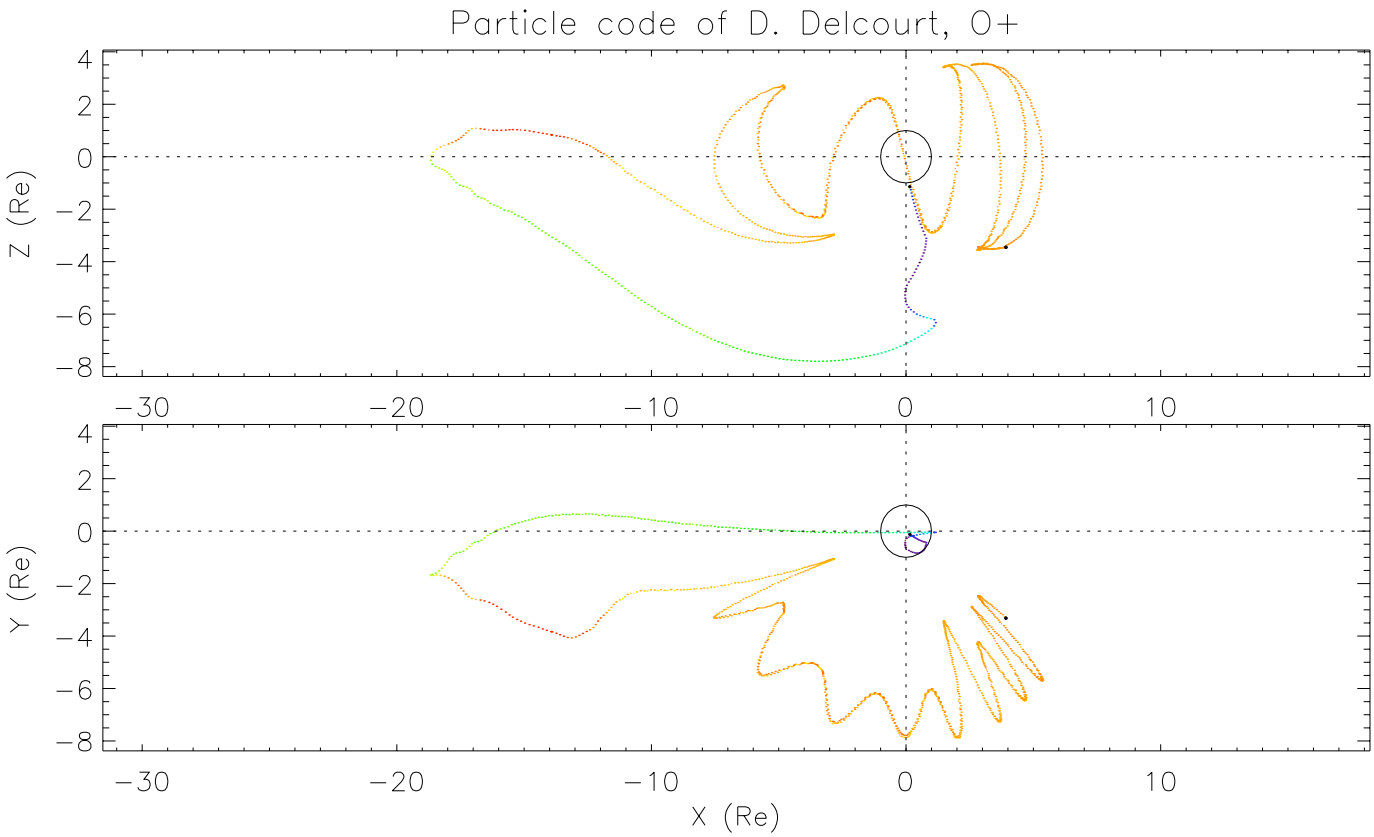

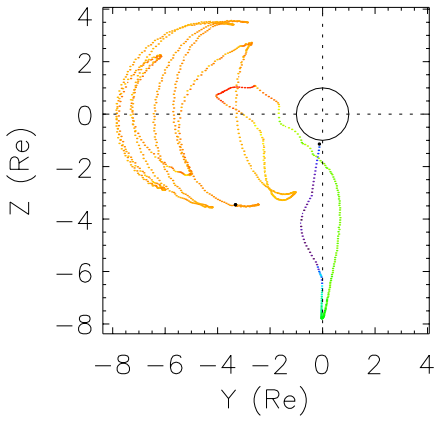

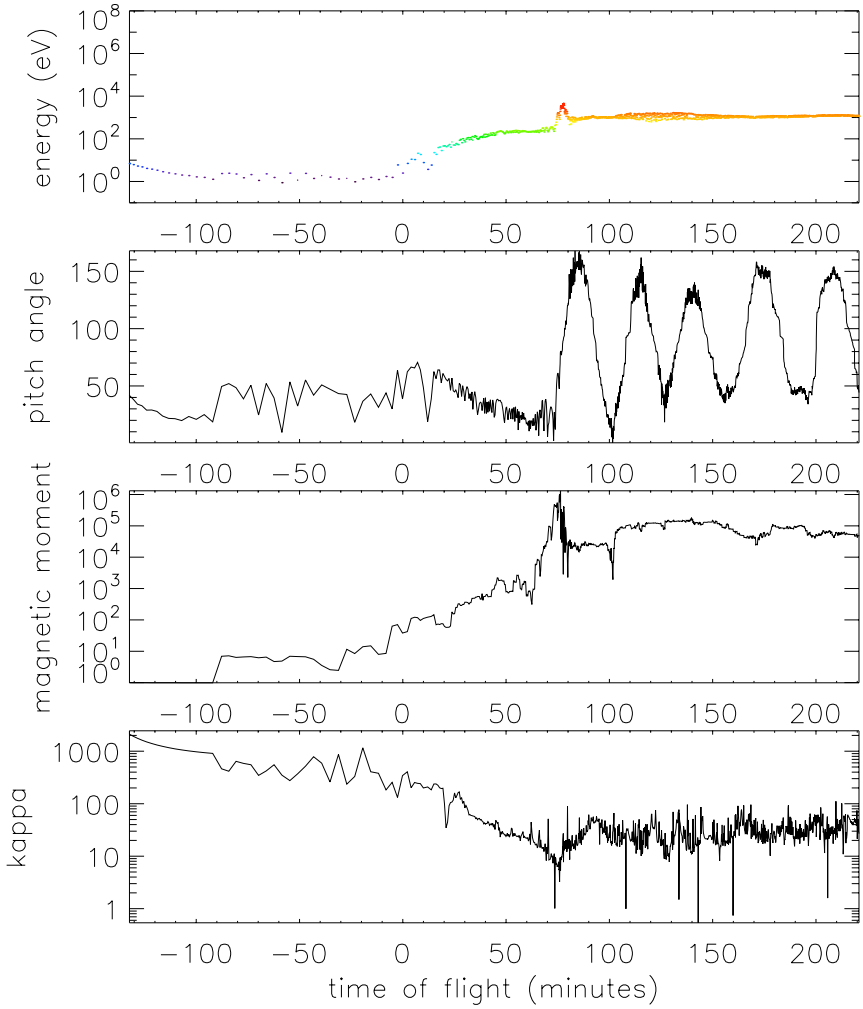

Start, Stop Parameters:

Time (minute): −132.3, 220.8
Magnetic local time: 9.319, 9.318
Magnetic latitude: −80.550, −33.910
Distance (Re): 1.16, 6.19
Energy (eV): 6.97, 1145.00
Pitch angle: 41.850, 44.270
Tilt angle (deg): 0.000

file: particle0483554.full

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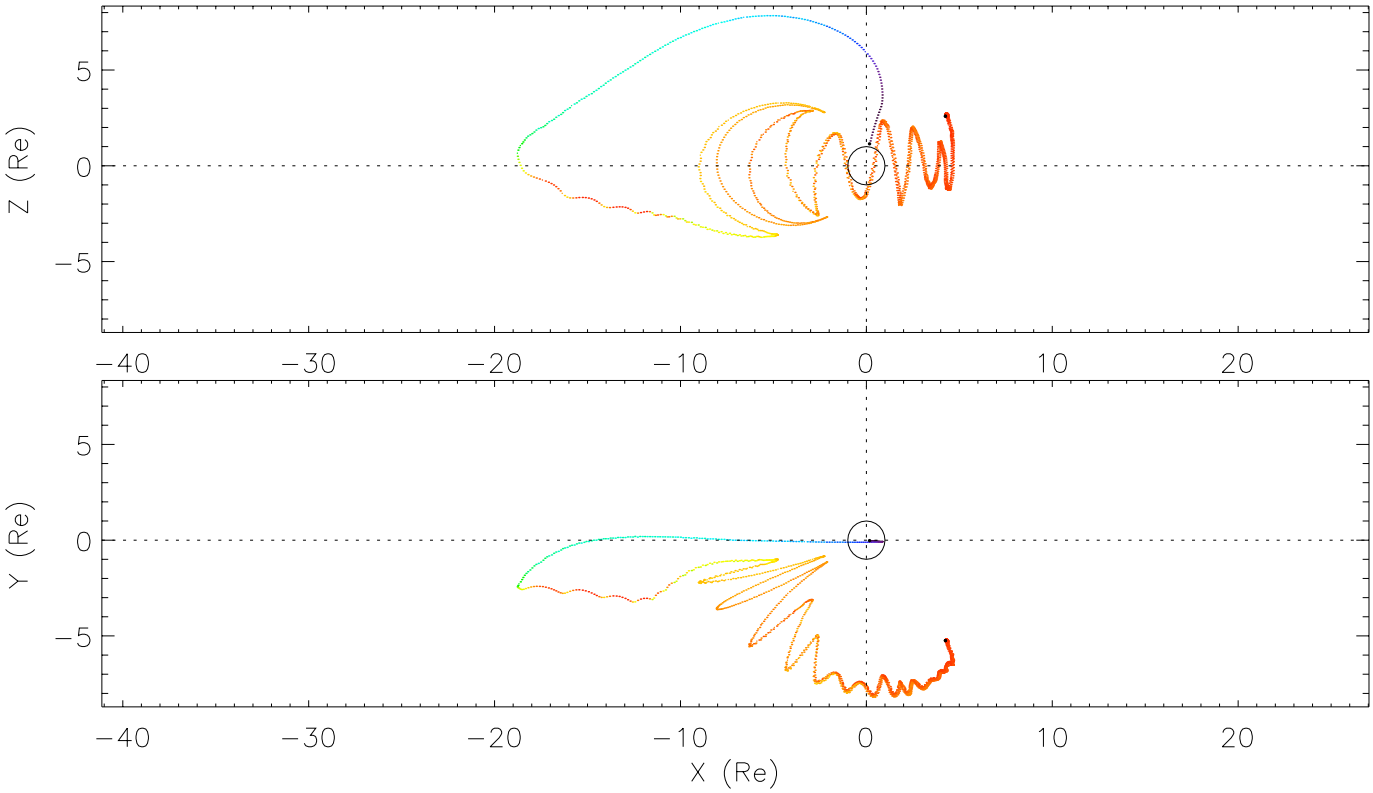
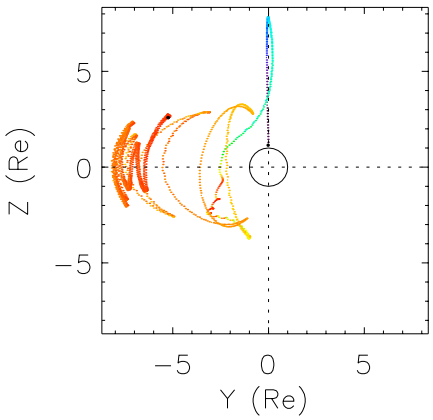
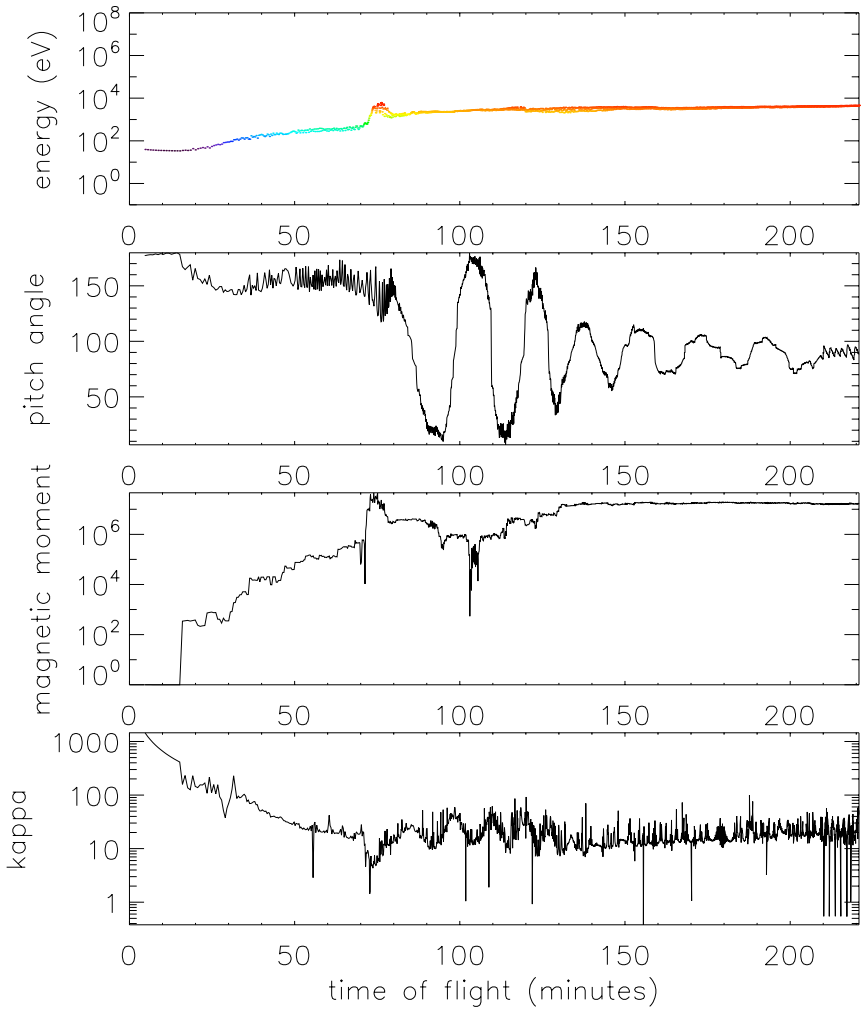
Particle code of D. Delcourt, O+







Start, Stop Parameters:

Time (minute): 4.7, 220.8
Magnetic local time: 11.480, 8.603
Magnetic latitude: 81.530, 20.980
Distance (Re): 1.16, 7.23
Energy (eV): 39.47, 4608.00
Pitch angle: 177.000, 88.280
Tilt angle (deg): 0.000

file: particle0491815.full

Mon Mar 13 14:25:39 2006