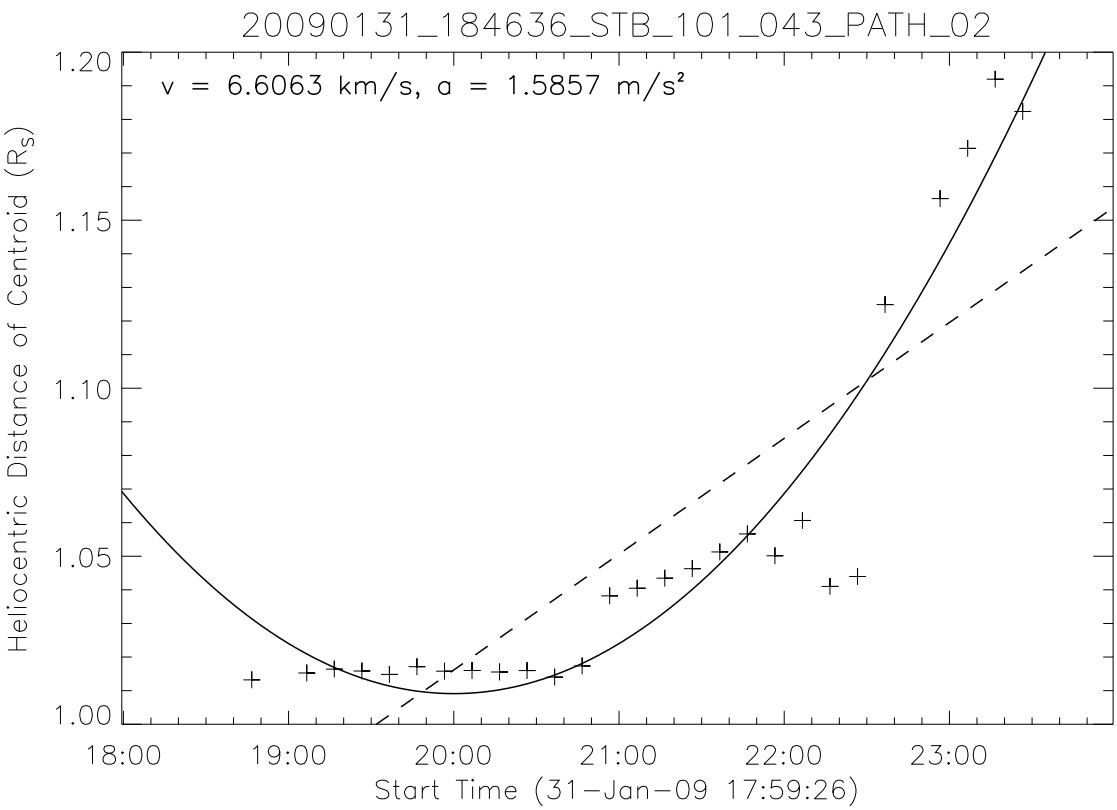
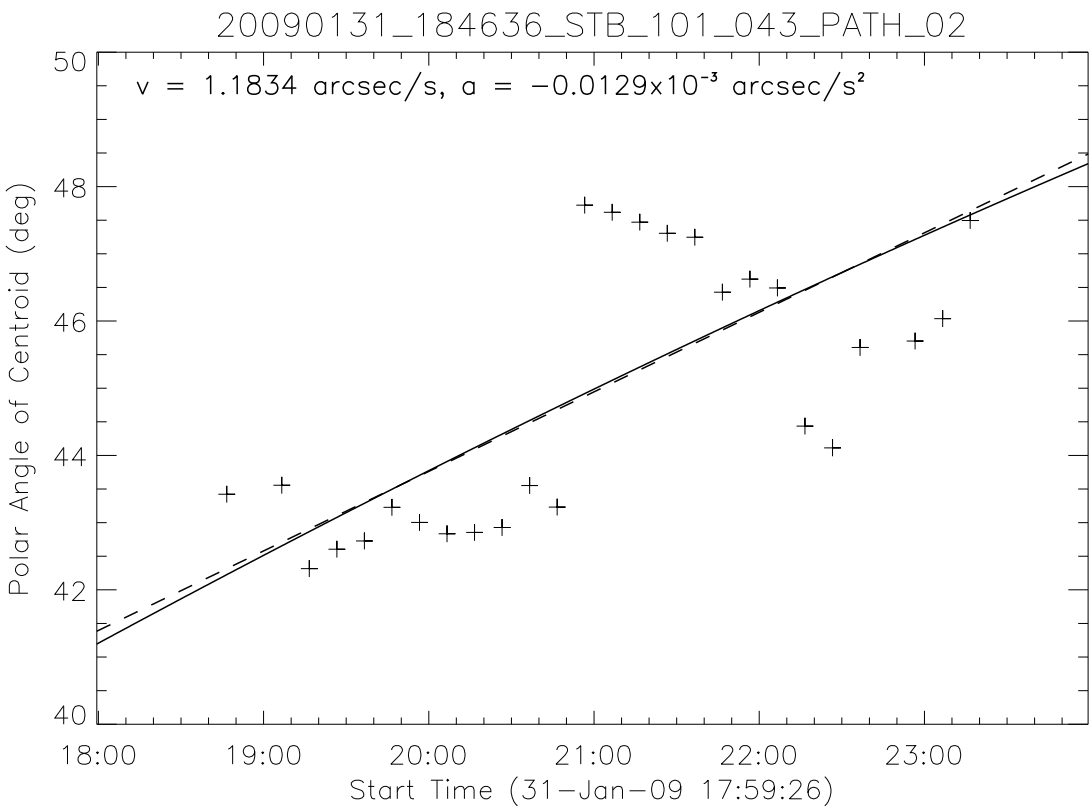
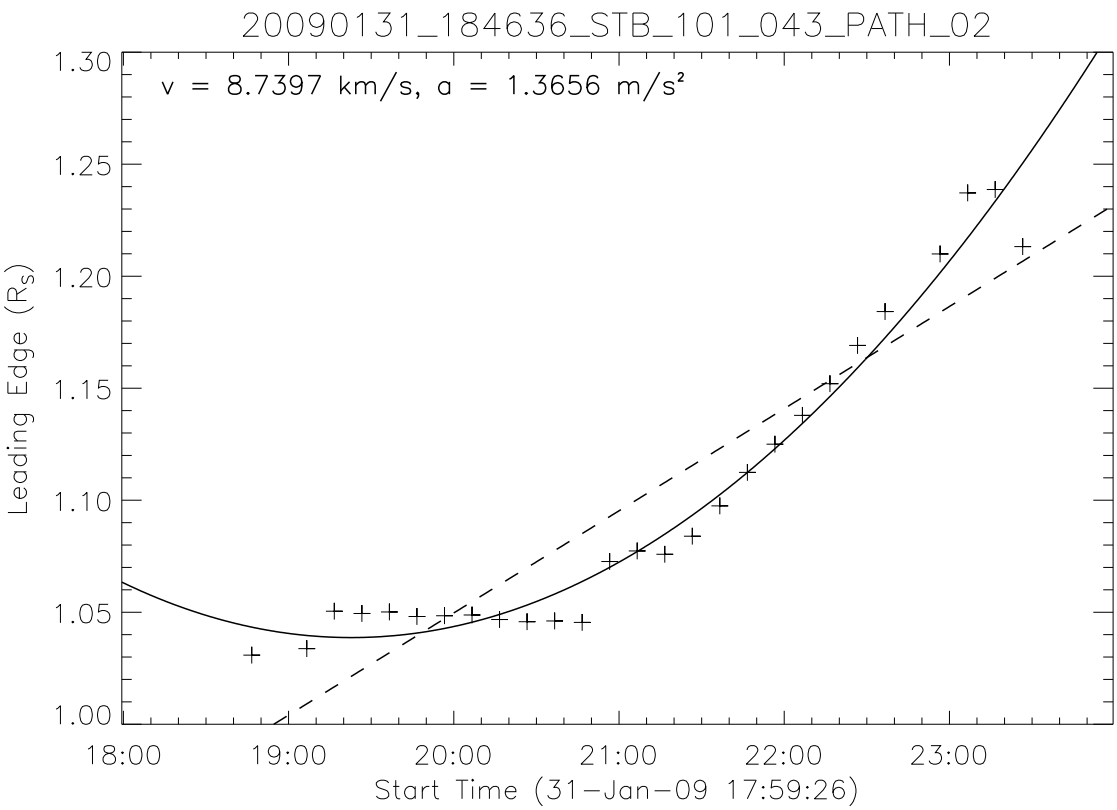
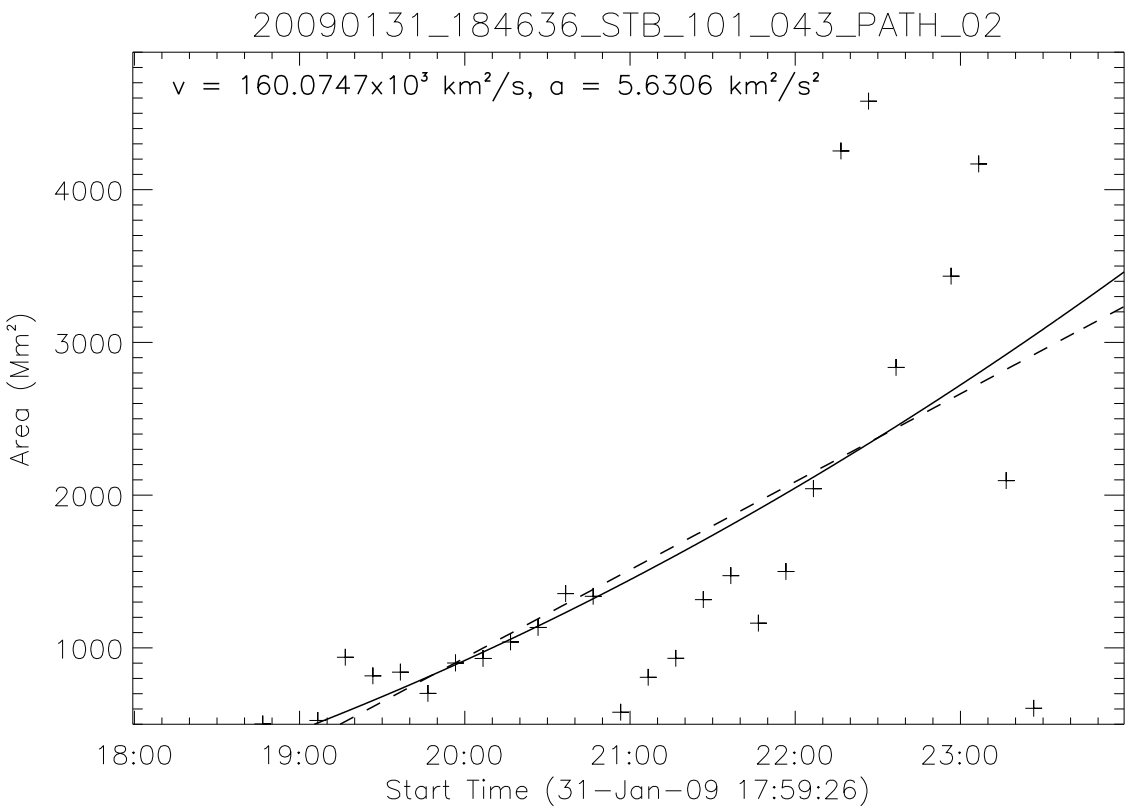
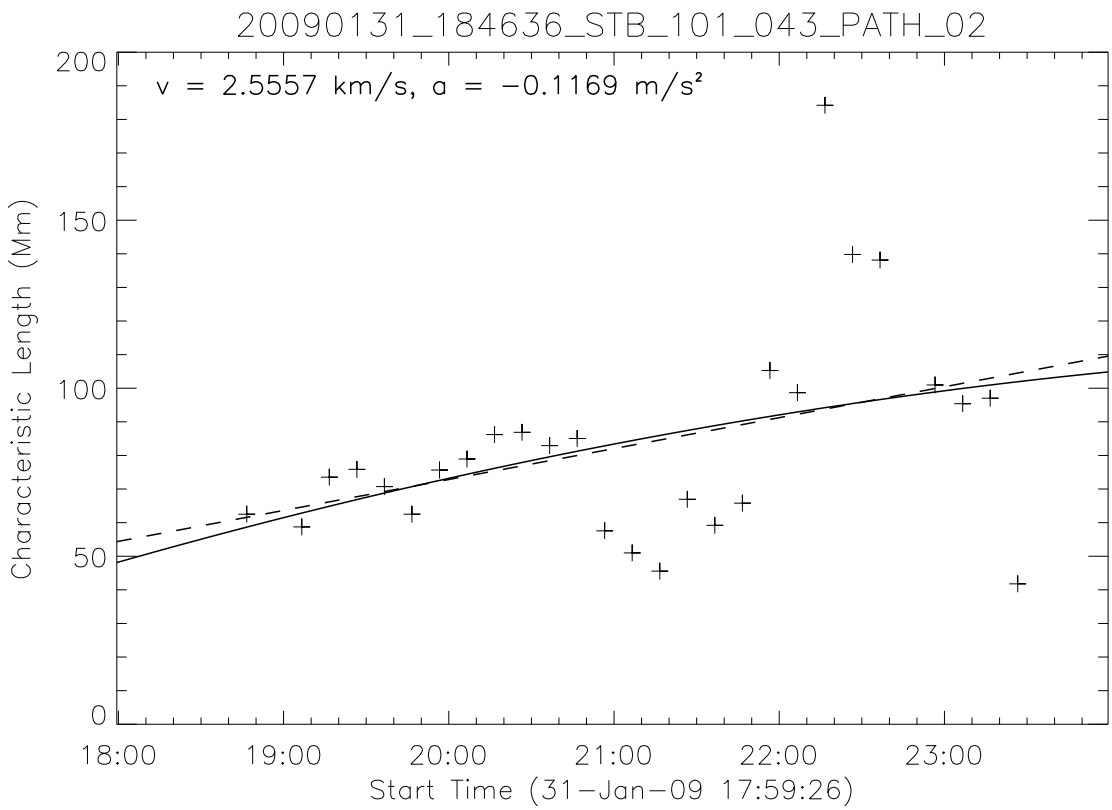
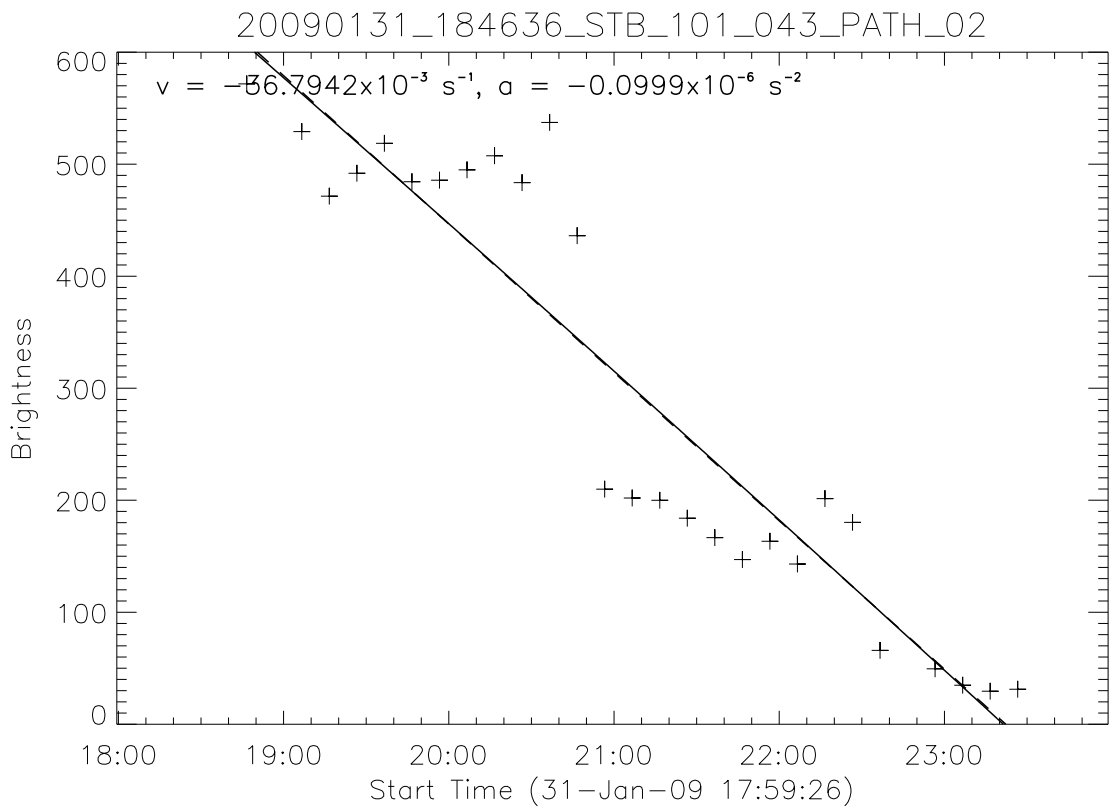

20090131_184636_STB_101_043_PATH_02
v = 6.6063 km/s, a = 1.5857 m/s²
Heliocentric Distance of Centroid (Rs)
1.20
1.15
1.10
1.05
1.00
18:00
19:00
20:00
21:00
22:00
23:00
Start Time (31−Jan−09 17:59:26)


20090131_184636_STB_101_043_PATH_02
v = 1.1834 arcsec/s, a = −0.0129x10⁻³ arcsec/s²
Polar Angle of Centroid (deg)
50
48
46
44
42
40
18:00
19:00
20:00
21:00
22:00
23:00
Start Time (31−Jan−09 17:59:26)


20090131_184636_STB_101_043_PATH_02
v = 8.7397 km/s, a = 1.3656 m/s²
Leading Edge (Rs)
1.30
1.25
1.20
1.15
1.10
1.05
1.00
18:00
19:00
20:00
21:00
22:00
23:00
Start Time (31−Jan−09 17:59:26)


20090131_184636_STB_101_043_PATH_02
v = 160.0747x10³ km²/s, a = 5.6306 km²/s²
Area (Mm²)
4000
3000
2000
1000
18:00
19:00
20:00
21:00
22:00
23:00
Start Time (31-Jan-09 17:59:26)


20090131_184636_STB_101_043_PATH_02
v = 2.5557 km/s, a = −0.1169 m/s²
Characteristic Length (Mm)
200
150
100
50
0
18:00
19:00
20:00
21:00
22:00
23:00
Start Time (31−Jan−09 17:59:26)


20090131_184636_STB_101_043_PATH_02
v = −86.7942x10⁻³ s⁻¹, a = −0.0999x10⁻⁶ s⁻²
Brightness
600
500
400
300
200
100
0
18:00
19:00
20:00
21:00
22:00
23:00
Start Time (31−Jan−09 17:59:26)