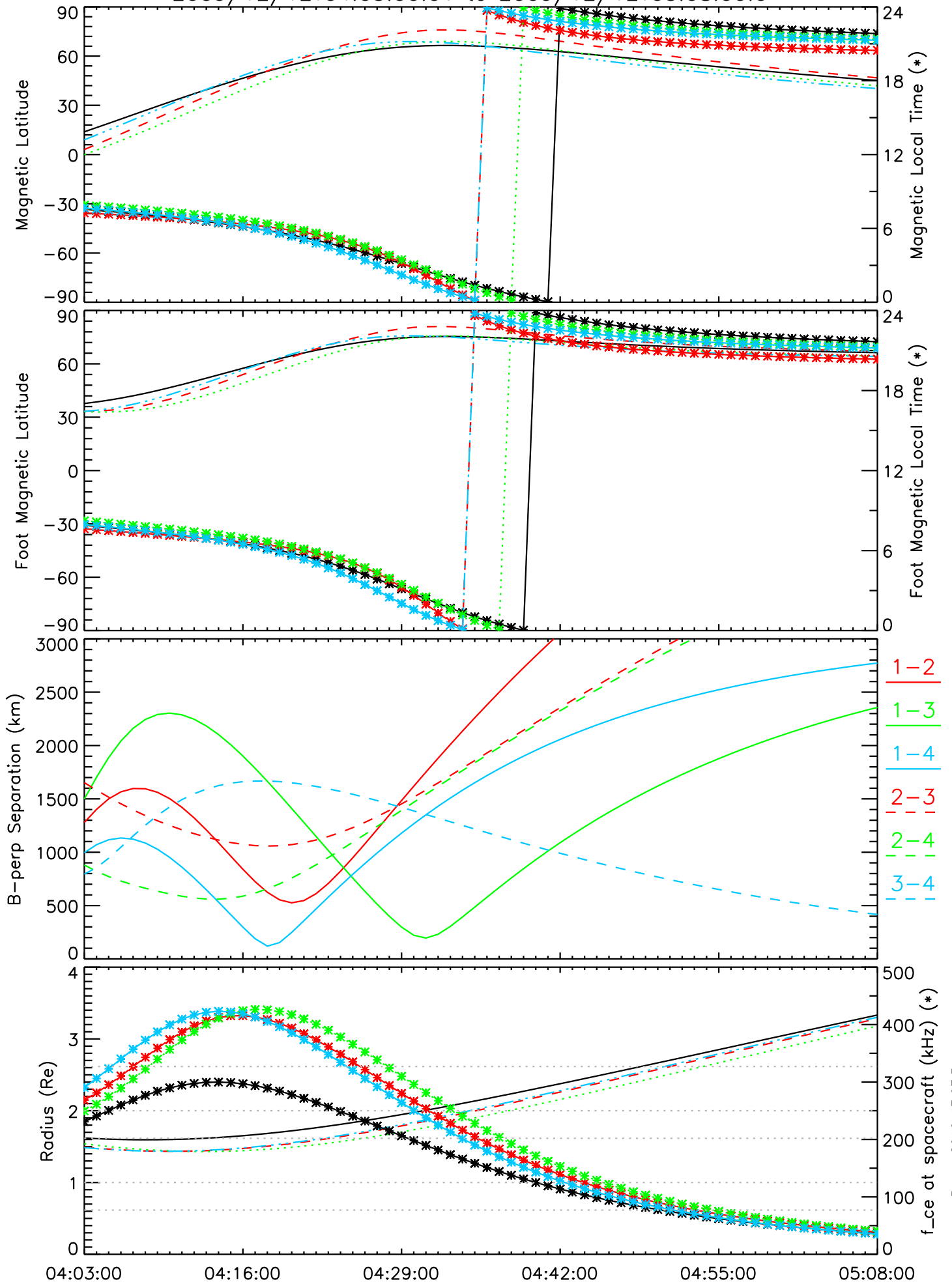
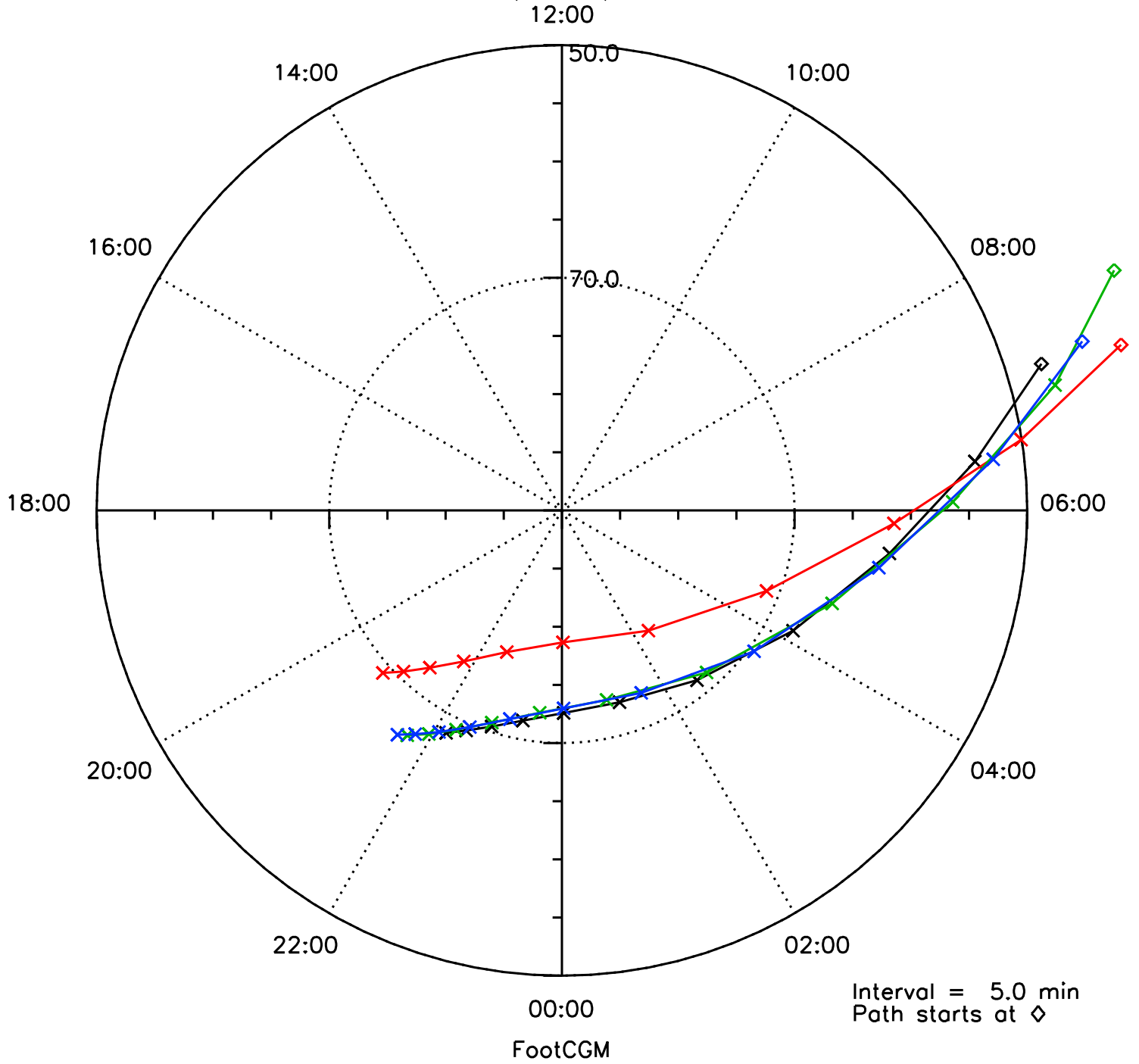


2009/12/12T04:03:00.01 to 2009/12/12T05:08:00.0



2009/12/12T04:10:00. to 2009/12/12T05:00:00.
(North)



Actual start/end times of tracks:

4:03 - 4:40; 4:40 - 5:16 CLU1
4:08 - 4:40; 4:40 - 5:16 CLU2
4:26 - 4:36 CLU3
4:08 - 4:40; 4:40 - 5:16 CLU4

Commanding:

346 0404 0404 0440 DSS-81 CLU1 AAR
346 0410 0440 0515 0530 DSS-14 CLU1 AAR LEVEL 3
C1: 0404-0429 - (77 kHz, 250 kHz Conversion, Ez)
0429-0451 - (77 kHz, 125 kHz Conversion, Ez)
0451-0515 - (77 kHz, Baseband, Ez)

346 0338 0408 0440 0455 DSS-65 CLU2 AAR LEVEL 3
346 0410 0440 0515 0530 DSS-15 CLU2 AAR LEVEL 3
C2: 0408-0424 - (77 kHz, 500 kHz Conversion, Ez)
0424-0434 - (77 kHz, 250 kHz Conversion, Ez)
0434-0451 - (77 kHz, 125 kHz Conversion, Ez)
0451-0515 - (77 kHz, Baseband, Ez)

346 0410 0421 0440 0440 DSS-80 CLU3 AAR
C3: 0426-0436 - (77 kHz, 250 kHz Conversion, Ez)
C3 on: 0426-0436

346 0333 0408 0440 0455 DSS-54 CLU4 AAR LEVEL 3
346 0410 0440 0515 0530 DSS-24 CLU4 AAR LEVEL 3
C4: 0408-0424 - (77 kHz, 500 kHz Conversion, Ez)
0424-0434 - (77 kHz, 250 kHz Conversion, Ez)
0434-0451 - (77 kHz, 125 kHz Conversion, Ez)
0451-0515 - (77 kHz, Baseband, Ez)

#	#	S/C 1			S/C 2			S/C 3			S/C 4			f_ce (kHz) @ S/C				S/C seps in B-perp plane (km)					
		R	Foot MLat	Foot MLT	R	Foot MLat	Foot MLT	R	Foot MLat	Foot MLT	R	Foot MLat	Foot MLT	1	2	3	4	1-2	1-3	1-4	2-3	2-4	3-4
2009/12/12T04:00:00	1.7	36.3	08:08:00	1.5	34.7	07:49:30	1.6	35.1	08:27:36	1.5	33.1	08:12:30	204	240	222	250	941	1020	620	1883	1135	853	
2009/12/12T04:05:00	1.6	39.5	07:43:47	1.5	33.9	07:29:40	1.5	32.9	08:04:01	1.5	34.7	07:46:32	250	296	274	322	1490	1889	1122	1534	783	938	
2009/12/12T04:10:00	1.6	46.6	07:15:16	1.4	40.2	07:08:00	1.4	37.0	07:36:56	1.4	42.6	07:16:43	289	374	356	398	1487	2319	971	1280	587	1419	
2009/12/12T04:15:00	* 1.6	55.7	06:39:25	* 1.5	51.5	06:43:53	* 1.4	46.7	07:04:09	* 1.5	54.1	06:38:01	298	414	418	421	946	2031	438	1132	523	1643	
2009/12/12T04:20:00	* 1.7	64.5	05:48:18	* 1.5	63.9	06:09:13	* 1.5	58.6	06:19:20	* 1.6	65.4	05:38:31	277	393	417	385	513	1435	222	1112	721	1649	
2009/12/12T04:25:00	* 1.8	71.4	04:31:24	* 1.7	74.4	05:03:00	* 1.6	69.0	05:05:23	* 1.7	73.3	03:54:50	239	333	365	320	951	781	768	1261	1071	1543	
2009/12/12T04:30:00	* 2.0	74.9	02:45:44	* 1.8	80.4	02:36:44	* 1.7	74.9	03:02:03	* 1.8	75.8	01:35:37	197	265	295	250	1625	233	1247	1537	1455	1389	
2009/12/12T04:35:00	* 2.1	75.1	01:02:15	* 2.0	80.1	23:36:56	* 1.9	75.4	00:46:52	* 2.0	74.1	23:48:24	157	203	227	190	2267	470	1637	1873	1831	1220	
2009/12/12T04:40:00	* 2.3	73.6	23:49:18	* 2.2	77.1	22:03:58	* 2.1	73.0	23:19:56	* 2.2	71.5	22:47:43	124	154	171	143	2847	916	1945	2224	2187	1055	
2009/12/12T04:45:00	* 2.5	71.7	23:03:11	* 2.4	74.0	21:21:09	* 2.3	70.4	22:31:54	* 2.4	69.1	22:13:01	98	116	128	107	3367	1297	2186	2568	2519	904	
2009/12/12T04:50:00	* 2.7	70.0	22:33:17	* 2.6	71.6	20:57:44	* 2.5	68.3	22:02:49	* 2.6	67.3	21:50:50	77	89	97	82	3837	1613	2374	2896	2828	770	
2009/12/12T04:55:00	* 2.9	68.6	22:11:57	* 2.8	69.8	20:43:00	* 2.7	66.6	21:44:01	* 2.8	65.9	21:33:12	61	69	74	63	4263	1873	2520	3203	3115	651	
2009/12/12T05:00:00	* 3.0	67.4	21:57:08	* 3.0	68.4	20:52:26	* 2.9	65.5	21:30:36	* 3.0	65.0	21:23:45	49	54	57	49	4654	2087	2635	3490	3382	549	
2009/12/12T05:05:00	* 3.2	66.5	21:45:31	* 3.2	67.4	20:24:57	* 3.1	64.7	21:20:38	* 3.2	64.3	21:15:18	40	43	45	39	5014	2263	2724	3757	3631	460	
2009/12/12T05:10:00	* 3.4	65.9	21:36:01	* 3.4	66.7	20:18:49	* 3.3	64.1	21:12:52	* 3.4	63.9	21:08:31	33	35	36	32	5348	2409	2793	4006	3864	384	
2009/12/12T05:15:00	3.6	65.5	21:29:00	3.6	66.2	20:13:53	3.4	63.7	21:06:25	3.6	63.6	21:02:41	27	28	29	26	5660	2529	2845	4238	4082	321	