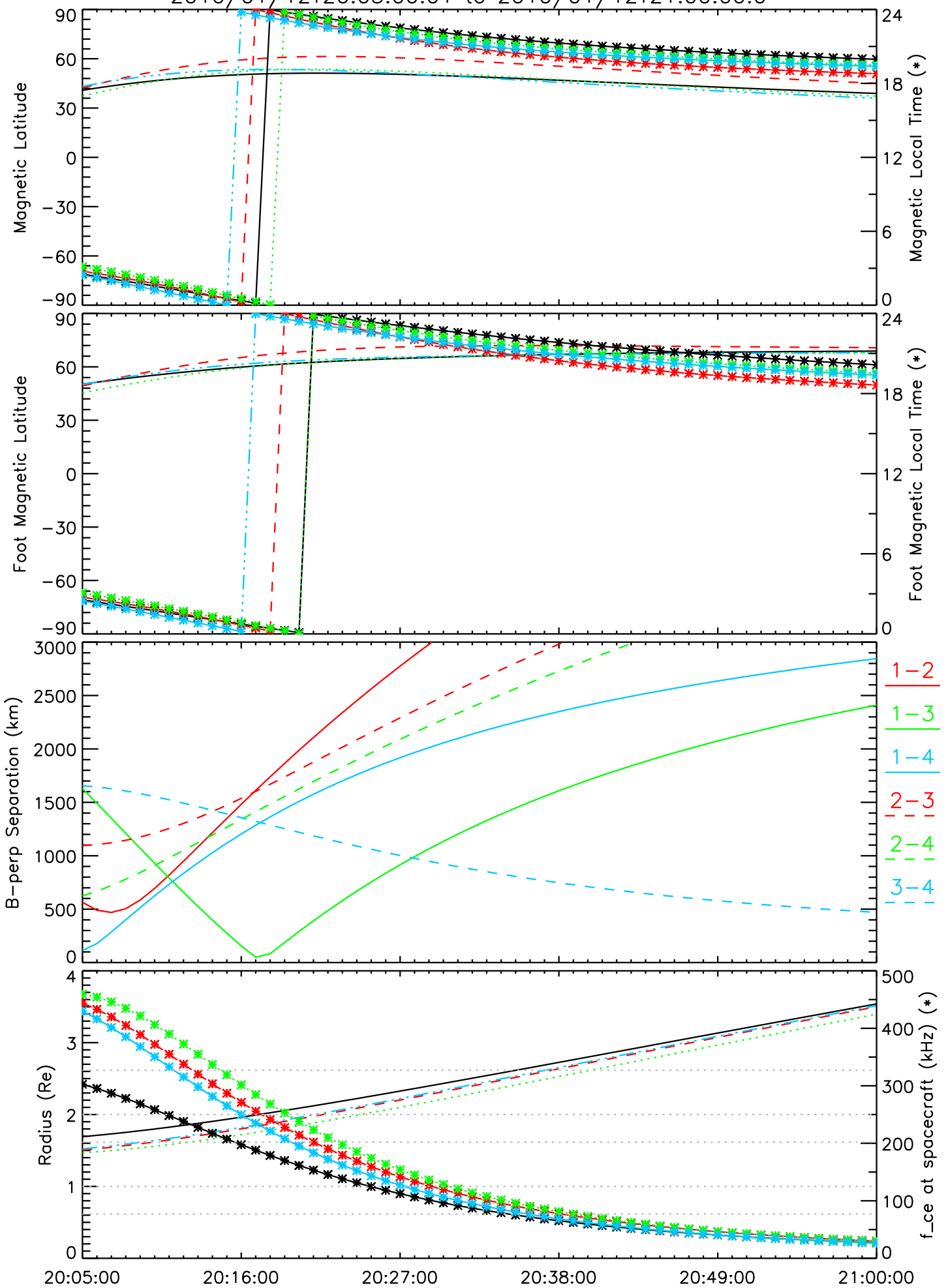
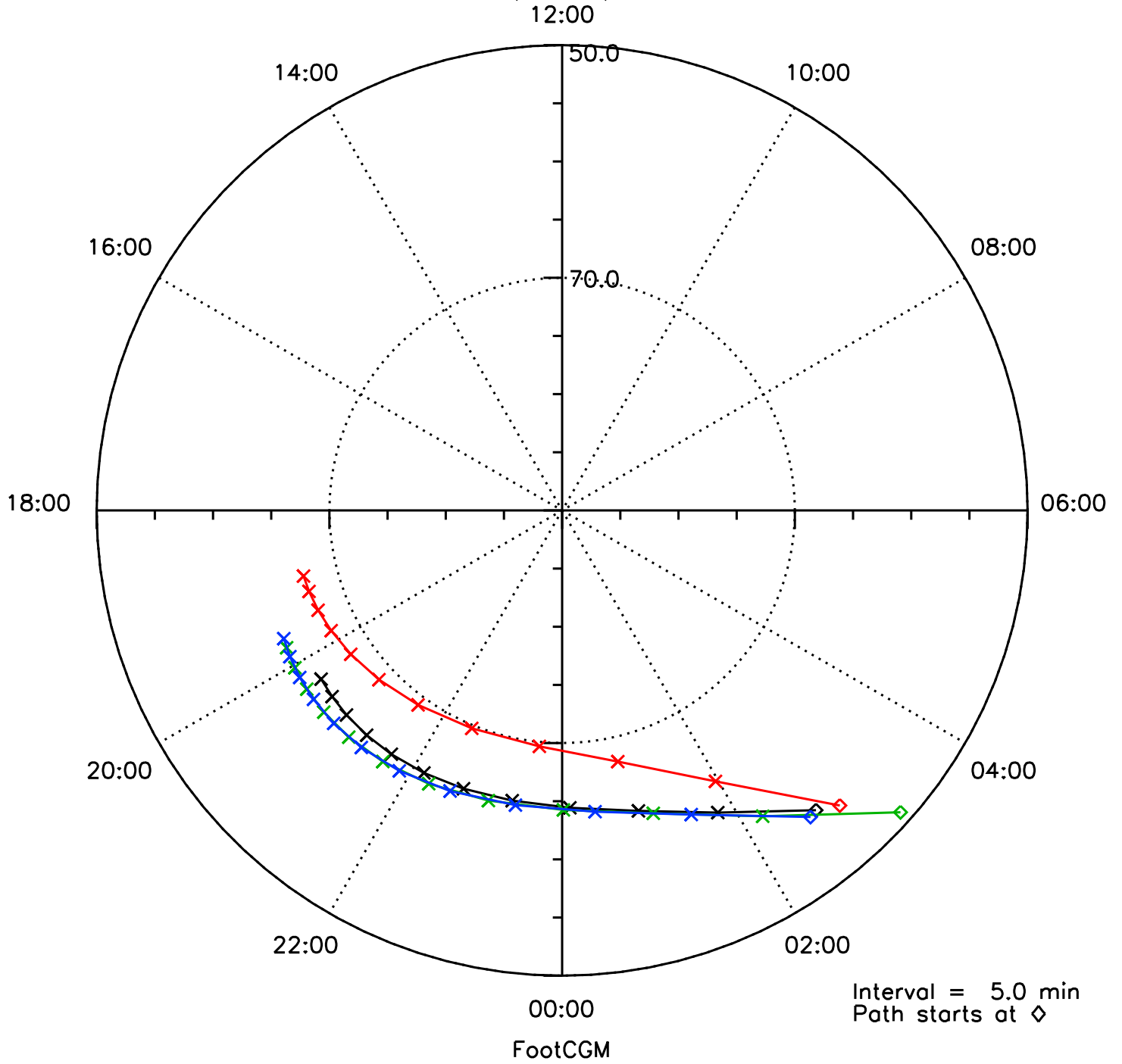


2010/01/12T20:05:00.01 to 2010/01/12T21:00:00.0



2010/01/12T20:05:00. to 2010/01/12T21:00:00.
(North)



Actual start/end times of tracks:

20:04 - 21:01 CLU1
 20:13 - 21:02 CLU2
 20:14 - 20:25 CLU3
 20:12 - 21:00 CLU4

Commanding:

012 2005 2005 2100 2100 DSS-81 CLU1 AAR
 C1: 2005-2014 - (77 kHz, 250 kHz Conversion, Ez)
 2014-2032 - (77 kHz, 125 kHz Conversion, Ez)
 2032-2100 - (77 kHz, Baseband, Ez)
 012 1943 2013 2100 2115 DSS-54 CLU2 AAR LEVEL 3
 C2: 2012-2020 - (77 kHz, 250 kHz Conversion, Ez)
 2020-2035 - (77 kHz, 125 kHz Conversion, Ez)
 2035-2100 - (77 kHz, Baseband, Ez)
 012 2005 2010 2030 2100 DSS-80 CLU3 AAR
 C3: 2014-2022 - (77 kHz, 250 kHz Conversion, Ez)
 2022-2025 - (77 kHz, 125 kHz Conversion, Ez)
 C3 on: 2014-2025 ** Note: 11-minute C3 block! **
 012 1937 2012 2100 2115 DSS-63 CLU4 AAR LEVEL 3
 C4: 2012-2019 - (77 kHz, 250 kHz Conversion, Ez)
 2019-2035 - (77 kHz, 125 kHz Conversion, Ez)
 2035-2100 - (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				
2010/01/12T20:05:00		1.7	50.3	02:32:31	1.5	49.3	02:45:09	1.5	45.3	03:03:47	1.5	50.1	02:28:03	302	443	459	429	569	1639	113	1098	620	1656				
2010/01/12T20:10:00		* 1.8	55.3	01:43:54	* 1.6	57.8	01:53:33	* 1.6	52.7	02:06:12	* 1.6	56.4	01:27:09	258	371	406	350	690	938	617	1214	907	1555				
2010/01/12T20:15:00		* 1.9	59.2	00:54:09	* 1.8	64.2	00:52:22	* 1.7	58.4	01:03:27	* 1.8	60.8	00:23:51	206	286	318	265	1343	282	1112	1475	1266	1394				
2010/01/12T20:20:00		* 2.1	62.0	00:05:57	* 1.9	68.4	23:45:01	* 1.8	62.1	00:00:21	* 2.0	63.4	23:24:11	160	213	237	195	1980	283	1506	1807	1623	1223				
2010/01/12T20:25:00		* 2.3	64.0	23:21:19	* 2.1	70.6	22:39:33	* 2.0	64.3	23:03:47	* 2.1	65.0	22:33:11	124	158	173	143	2554	749	1814	2154	1959	1064				
2010/01/12T20:30:00		* 2.4	65.4	22:42:22	* 2.3	71.6	21:40:28	* 2.2	65.5	22:15:07	* 2.3	65.9	21:50:26	95	118	127	106	3070	1132	2058	2489	2270	927				
2010/01/12T20:35:00		* 2.6	66.4	22:07:53	* 2.5	71.8	20:51:49	* 2.4	66.3	21:34:58	* 2.5	66.5	21:14:18	74	90	95	80	3335	1446	2253	2801	2556	811				
2010/01/12T20:40:00		* 2.8	67.1	21:37:53	* 2.7	71.7	20:12:32	* 2.6	66.8	21:01:30	* 2.7	67.0	20:44:50	59	69	72	61	3959	1706	2414	3089	2820	715				
2010/01/12T20:45:00		* 3.0	67.7	21:11:02	* 2.9	71.5	19:41:03	* 2.8	67.2	20:32:55	* 2.9	67.3	20:19:23	47	54	56	48	4347	1925	2548	3354	3065	636				
2010/01/12T20:50:00		* 3.2	68.1	20:47:47	* 3.1	71.2	19:15:45	* 3.0	67.4	20:09:22	* 3.1	67.5	19:58:04	38	43	44	38	4706	2111	2662	3598	3294	572				
2010/01/12T20:55:00		* 3.4	68.4	20:27:05	* 3.3	70.9	18:55:16	* 3.2	67.6	19:48:48	* 3.3	67.6	19:33:01	31	35	35	31	5039	2271	2761	3824	3508	519				
2010/01/12T21:00:00		3.5	68.6	20:08:43	3.5	70.6	18:38:09	3.4	67.7	19:31:11	3.5	67.7	19:22:57	26	29	29	25	5351	2410	2847	4034	3709	477				