

MSP 50.1 Draft plan, V.4 - 16/11/2023, 140% data volume

Orbit	4SC	4SC D0	3SC D0	4SC BM (h)
3710	BM2 2h for Southern AAR BM2 0.8h for Equatorial Chorus/Hiis/Wistler Dawnside combined with southern AAR, start			2.8
3711	BM2 2h for Equatorial Chorus/Hiis/Wistler Dawnside combined with southern AAR, end BM1 5.5h for Cluster-MMS conj in MSH and MP inbound			7.5
3712	BM1 2h for Southern AAR			2
3713	BM1 2h for Southern AAR BM1 2h for MP Inbound			4
3714	BM1 2h for Southern AAR BM1 2.5h for Cluster-MMS conj at MP and MP inbound BM2 0.9h for Equatorial Chorus/Hiis/Wistler Dawnside combined with southern AAR, start			5.4
3715	BM2 2h for Equatorial Chorus/Hiis/Wistler Dawnside combined with southern AAR, end			2
3716	BM2 3h for Southern AAR, combined with Equatorial Chorus Duskside BM2 2.5h for MP Inbound			5.5
3717	BM2 2h for Southern AAR BM1 1.5h for Cluster-MMS conj in MSH			3.5
3718	BM1 2h for Southern AAR BM2 1h for Equatorial Chorus/Hiis/Whistlers Dawnside combined with Southern AAR, start			3
3719	BM2 2h for Equatorial Chorus/Hiis/Whistlers Dawnside combined with Southern AAR, end BM1 3.5h for Cluster-MMS conj in MSH and at BS BM2 0.2h for Southern AAR combined with Equatorial Chorus Duskside, start			5.7
3720	BM2 2.9h for Southern AAR combined with Equatorial Chorus Duskside, end BM1 1h for PEACE/WHISPER cross-cal, Single SC Ops			3.9
3721	BM1 2h for Southern AAR			2
3722	BM1 2h for Southern AAR BM1 3.5h for Cluster-MMS conj in MSH BM1 1.5h for Cluster-MMS conj in MSH and at BS BM1 0.1h for Southern AAR - start			7.1
3723	BM1 2h for Southern AAR - end BM2 0.1h for Southern AAR - start			2.1

3724	BM2 2h for Southern AAR - end BM1 3h for Cluster-MMS conj at the MP, in MSH and Outbound MP			5
3725	BM1 2h for Southern AAR BM1 3h for Cluster-MMS conj at BS and MSH BM1 0.1h for Southern AAR - start			5.1
3726	BM1 2h for Southern AAR - end BM2 1.2h for Equatorial Chorus/Hiis/Whistlers Dawnside combined with southern AAR - start			3.2
3727	BM2 2h for Equatorial Chorus/Hiis/Whistlers Dawnside combined with southern AAR - end BM1 3h for Cluster-MMS conj in MSH, at BS, and BS outbound BM1 0.1h for Southern AAR - start			5.1
3728	BM1 2h for Southern AAR - end BM1 2h for Cluster-MMS conj at MP and MSH and inbound MP BM2 0.1h for Southern AAR - start			4.1
3729	BM2 1.9h for Southern AAR - end BM1 1h for PEACE/WHISPER cross-cal, Single SC Ops Manoeuvres on SC2 - start BM2 0.1h for Southern AAR, on SC134 - Single SC Ops - start	1.2		2.9
3730	Manoeuvres on SC2 - end BM2 2h for Southern AAR, on SC134 - Single SC Ops - end BM1 3.5h for Cluster-MMS conj at MP, in MSH and outbound MP Manoeuvres on SC2 BM1 0.2h for Southern AAR - start	2.5		5.1
3731	BM1 1.9h for Southern AAR - end BM1 3h for Cluster-MMS conj in MSH and BS inbound BM2 0.2h for Southern AAR - start			5.1
3732	BM2 1.9h for Southern AAR - end BM1 0.1h for Southern AAR - start			2
3733	BM1 1.9h for Southern AAR - end BM1 4.5h for Cluster-MMS conj in MSH and BS outbound Manoeuvres on SC2 - start BM2 0.1h for Southern AAR, on SC134 - Single SC Ops - start	1.2		6.4

3734	Manoeuvres on SC2 - end BM2 2h for Southern AAR, on SC134 - Single SC Ops - end Manoeuvres on SC2 BM1 2.5h for Triple conj at MP and MP inbound crossing BM2 0.2h for Southern AAR combined with Equatorial Chorus Duskside - start	2.4		4.2
3735	BM2 2.6h for Southern AAR combined with Equatorial Chorus Duskside - end BM2 3h for BS Outbound BM2 0.1h for Southern AAR - start			5.7
3736	BM2 2h for Southern AAR - end BM1 2.5h for Cluster-MMS conj at BS BM1 0.1h for Southern AAR - start			4.6
3737	BM1 1.9h for Southern AAR - end BM1 1h for PEACE/WHISPER cross-cal, Single SC Ops Manoeuvres on SC2 Start of eclipse season on SC2 on 01/02/2024 04:00 (at the start of above manoeuvre) Manoeuvres on SC2 - start (when SC is off for eclipse season) BM1 0.2h for Southern AAR on SC134 - start	1.8		3.2
3738	Manoeuvres on SC2 - end (when SC is off for eclipse season) BM1 1.9h for Southern AAR on SC134 - end BM1 4.25h for Cluster-MMS conj at MP, in MSH and BS, and partial crossings of MP and BS BM1 0.1h for Southern AAR, SC134 - start			4.4
3739	BM1 1.9h for Southern AAR, SC134 - end BM1 2h for Cluster-MMS conj in MSH and at BS, SC134 BM1 0.1h for Southern AAR, SC134 - start			3
3740	BM1 1.9h for Southern AAR, SC134 - end BM1 0.1h for Southern AAR, SC134 - start			1.5
3741	BM1 1.9h for Southern AAR, SC134 - end BM1 2.5h for Cluster-MMS conj at BS, SC134 BM1 0.1h for Southern AAR, SC134 - start			3.5
3742	BM1 1.9h for Southern AAR, SC134 - end BM1 3.5h for Triple conj in MSH, Cluster-MMS conj at MP, and MP inbound partial, SC134 BM2 0.1h for Southern AAR, SC134 - start			4.1
3743	BM2 1.9h for Southern AAR, SC134 - end BM1 0.1h for Southern AAR, SC134 - start			1.5

3744	BM1 1.9h for Southern AAR, SC134 - end BM1 2.5h for Cluster-MMS conj in MSH and MP Outbound, SC134 BM1 2h for Cluster-THEMIS conj at MP and in MSH and MP Inbound, SC134 BM1 0.1h for Southern AAR, SC134 - start			4.9
3745	BM1 1.9h for Southern AAR, SC134 - end Start of the eclipse season on SC1 on 19/02/2023 20:00 BM1 2h for Cluster/THEMIS conj in MSH, at MP and MP Inbound, SC34			2.4
3746	BM1 2h for Cluster-THEMIS in MSH and at MP and Inbound MP, SC34			1
3747	BM1 3h for Cluster-MMS conj in MSH and at BS, and BS outbound, SC34 BM1 3h for Cluster-THEMIS conj in MSH, at MP and MP inbound, SC34			3
3748	Start of the eclipse season on SC34, D0 start on 26/02/2024 18:00			0
3749				0
3750				0
3751-3757	Start of PP 1210, a special 'generic OBRQ '			0
3758	BM1 2h special operations on SC134 for Cluster-MMS conjunction at the magnetopause			2
3759-3765	End of PP 1210			0