L_SMALL_MRES_MCAD_Ballistic-connection

Proposed SOOP Coordinator

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Description

In this SOOP, the spacecraft points at the modelled ballistic connection point, so this involves tracking.

Default SOOP duration: 3 days

Pointing requirements: offpointing

Triggers: only IS triggers enabled

Based on SOOP 4 b as planned during PlanningExercise2016_withResults.pptx

Instrument	Mode	Comment
EUI	FSI Synoptic mode (S) with FSI HRI in EUV & LYA Coronal hole modes (C)	FSI in synoptic HRI in CH mode at cadence ~ 900s;
PHI	PHI/HRT synoptic program: PHI_magnetograph_HRT_2: HRT at 900-s cadence	ideally regular flushes;
SoloHI	SoloHI: Nominal synoptic perihelion program	*Model as HI_SYN_NEAR*
SPICE	SPICE composition & dynamics interleaved	*Use observation called SPICE_WIND_CONNECT in modelling.*
STIX	STIX Normal Mode	
EPD	Normal Mode + regular burst mode	Close mode until at least the end of RSW
MAG	Normal Mode + regular burst mode	
RPW	Normal Mode + regular burst mode	Burst Triggers Active, selective OK.
SWA	Normal Mode + regular burst mode	

SAP objective	Target	Duration	Opportunity (*e.g.*, orbital requirements, solar cycle phase, quadrature ...)	Operational constraints	Additional comments
1.1.2.7 Trace streamer blobs and other structures through the outer corona and the heliosphere.			Near-quadrature, so that SoloHI can image Earth-directed blobs		objective also addressed by L_FULL_HRES_HCAD_Coronal-Dynamics