L_FULL_LRES_MCAD_Probe-Quadrature

From SOL-PHI-MPS-MN1500-TN-2

This SOOP was inspired by 2.5 in the MPS document. SOC has added SoloHI. STIX, RPW and EPD will be on anyway

Default SOOP duration: 3 days

Pointing requirements: Disk Centre

Triggers: only IS triggers enabled

SOOP Coordinator

TBD

Description

SOOP designed to study the corona while Solar Probe Plus is in quadrature with Solar Orbtier, PHI & EUI provide context, Metis and SoloHI provide imagery of solar wind that will be encountered by solar Probe Plus.

Instrument	Mode	Comment
PHI	PHI_synoptic_FDT_4 (FDT)	Full FoV, 6 hours cadence, 5 quantities
EUI	FSI Synoptic mode (S)	
Metis	METIS special modes (PROBE mode)	1-10 minute cadence depending on heliocentric distace
SoloHI	SoloHI mode depending on heliocentric distance	
STIX	STIX Normal Mode	
EPD	Normal Mode	
MAG	Normal Mode	
RPW	Detection Mode	Burst Triggers Active
SWA	Normal Mode	

SAP objective	Target	Duration	Opportunity (*e.g.*, orbital requirements, solar cycle phase, quadrature ...)	Operational constraints	Additional comments
1.2.2 What mechanisms heat and accelerate the solar wind?	helmet streamers	several hours METIS at high cadence	SPP in quadrature with Solar Orbiter	METIS co-observations required	