

SWA DPU to OPS
File: IA-FCP-030.xls
Author: daniel lakey



solar orbiter



Procedure Summary

Objectives

DPU to Operational State

Summary of Constraints

To be in OPS mode, 3 min minimum delay shall be respected after commanding the HPC On to the DPU.

After being in OPS mode, the following minimum delays before switching on the different SWA sensors LCLs shall be respected:

- EAS: TBDs
- PAS: TBDs
- HIS: 45 min

Spacecraft Configuration

Start of Procedure

DPU in STANDBY

End of Procedure

DPU in OPS

Reference File(s)

Input Command Sequences

Output Command Sequences

Referenced Displays

ANDs

GRDs

SLDs

(None)

Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
30/01/2018		0.01	move as we like it	dlakey	M7
30/01/2018		0.01	rename	dlakey	M7
21/02/2018		1	Updates from Feb 2018	dlakey	M7
12/03/2018	0.2				M7
24/04/2018		1.01	Added constraints on power up/down timing	dlakey	M7
18/06/2018	0.3				M7
17/09/2018		1.02	Moved to PFM DB	dlakey	M7

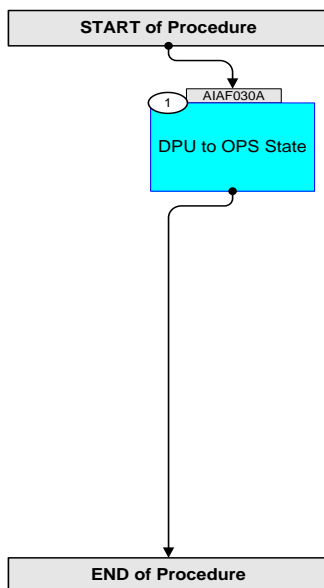
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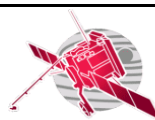


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Procedure Flowchart Overview



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Step	Label/Time	Activity/Remarks/Branch	CK	Display
Beginning of Procedure				
Beginning of Sequence				
AIAF030A		SWA DPU to OPS SeqFlags [Crit/Plan/Stdalone/Sched] : NSYN TimeTag type : B		
1		DPU to OPS State		
		DPU must be in STANDBY state		
		Verify Telemetry NIAG0703 BIT_FIELDS_GR_1 <= 127 <dec> >= 96 <dec>		(None) PKT=YIA58200
		Verify Telemetry NIAD2100 DPU_MODE = STBY		(None) PKT=YIA58211
	+00.00.00	Execute Telecommand ZIA58703 SWA_TC_DPU_OPER TC Control Flags: GBM IL DSE --Y NC ---		
		Check reception of SWA_E_DPU_OPS_STATE		
		Verify Packet Reception YIA58445 SWA_E_DPU_OPS_STATE TM(5,1), APID 1591 (99/7) PI1=43545 PI2=0		
		Check DPU in Operational state		
		Verify Telemetry NIAG0703 BIT_FIELDS_GR_1 <= 63 <dec> >= 32 <dec>		(None) PKT=YIA58200
		Verify Telemetry NIAD2100 DPU_MODE = OPS		(None) PKT=YIA58211
AIAF030A End of Sequence				
End of Procedure				