

S/C Mode transition from Earth Acquisition to Sun Acquisition
 File: H_CRP_DHS_3061.xls
 Author: cmevi-hp



Procedure Summary

Objectives

This procedure describes the steps needed to perform the S/C transition from Earth Acquisition mode to Sun Acquisition mode.

Summary of Constraints

The S/C mode is changed through ASW TCs(8,4,110,1/2) thus the status of the ASW function "Mode Management" has to be "running".

Spacecraft Configuration

Start of Procedure

n/a

End of Procedure

n/a

Reference File(s)

Input Command Sequences

Output Command Sequences

HRD3061

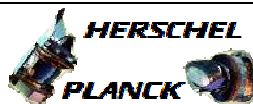
Referenced Displays

ANDs GRDs SLDs
 ZAZAI999

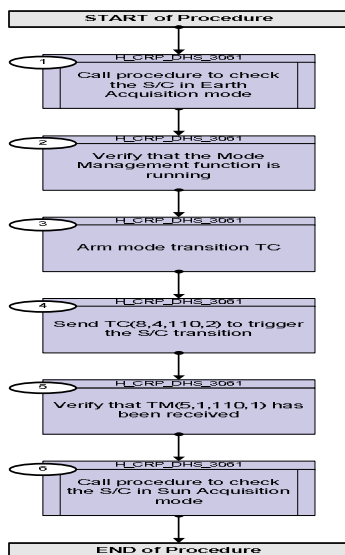
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
12/11/08	2	1	Created	cmevi-hp	

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Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
Beginning of Procedure				
TC Seq. Name :HRD3061 (S/C from EAM to SAM)				
TimeTag Type: N Sub Schedule ID: □				
1		Call procedure to check the S/C in Earth Acquisition mode		Next Step: 2
		Execute procedure H_FCP_DHS_4004.		
2		Verify that the Mode Management function is running		Next Step: 3
		Verify Telemetry ModeSts DEH21170	= Running	AND=ZAZAI999
3		Arm mode transition TC		Next Step: 4
		Execute Telecommand ModeManArmTrans_SunAcq	DC02G170	
		TC Control Flags : GBM IL DSE --Y -- ---		
		Subsch. ID : 10 Det. descr. : Mode Manag. Arm Trans. to Sun Acquisition Mode TC(8,4,110,1)		
4		Send TC(8,4,110,2) to trigger the S/C transition		Next Step: 5
		Execute Telecommand ModeManFireTrans_SunAcq	DC07G170	
		TC Control Flags : GBM IL DSE --Y -- ---		
		Subsch. ID : 10 Det. descr. : Mode Manag. Fire Trans. to Sun Acquisition Mode TC(8,4,110,2)		
5		Verify that TM(5,1,110,1) has been received		Next Step: 6
		WARNING: downlink of TM(5,1) is disable by default, thus the following packet can be acquired only if it previously enabled.		
		This event will be sent when the new S/C mode has been reached.		

