

Check redundant heaters
 File: H_COP_TCS_TCS2.xls
 Author: E. Picallo



Procedure Summary

Objectives

This procedure describes the steps needed to check redundant heaters

Summary of Constraints

To be done before switching ON the instruments
 (cold case, all the heaters are required)
 No decontamination in progress.

Spacecraft Configuration

Start of Procedure

Decontamination function stopped
 Nominal thermal configuration:
 - nominal HPSS ON
 - redundant HPSS OFF

End of Procedure

Nominal thermal configuration:
 - nominal HPSS ON
 - redundant HPSS OFF

Reference File(s)

Input Command Sequences

Output Command Sequences

Referenced Displays

ANDs GRDs SLDs

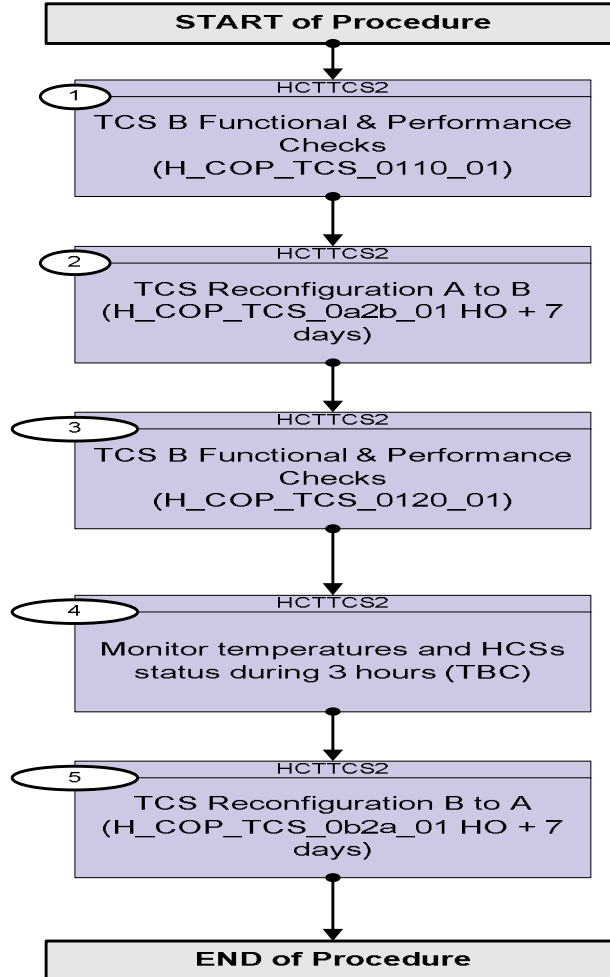
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
09/10/08	2	1	Created	E. Picallo	
19/03/09	2.2	2	References updated according to 090228 HCOP Timeline (1_0_00)	E. Picallo	

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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 : HCTTCS2 (Check redundant heat) TimeTag Type: N Sub Schedule ID: <input type="checkbox"/>				
1		TCS B Functional & Performance Checks (H_COP_TCS_0110_01)		Next Step: 2
		Check the average temperature of all the thermal control loops against the expected temperature range		
		Execute Procedure: H_FCP_TCS_CHECK TCS Subsystem Checkout		
2		TCS Reconfiguration A to B (H_COP_TCS_0a2b_01 HO + 7 days)		Next Step: 3
		Execute Procedure: H_COP_TCS_CLNR Thermal Control loops Reconfiguration from Nominal to Redundant		
3		TCS B Functional & Performance Checks (H_COP_TCS_0120_01)		Next Step: 4
		Check the average temperature of all the thermal control loops against the expected temperature range		
		Execute Procedure: H_FCP_TCS_CHECK TCS Subsystem Checkout		
4		Monitor temperatures and HCSSs status during 3 hours (TBC)		Next Step: 5
5		TCS Reconfiguration B to A (H_COP_TCS_0b2a_01 HO + 7 days)		Next Step: END

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Procedure: H_COP_TCS_CLRN Thermal Control loops Reconfiguration from Redundant to Nominal		
End of Procedure				