5.7_V2.0 TURN OFF DA HEATER SIDE A and TURN ON SIDE B

Last Revised: June 29,1999
Filename: dahtr_bon_aoff

BRIEF FUNCTIONAL DESCRIPTION:
This is an contingency procedure which simply turns off the detector assembly heater side A and turns on side B. This heater controls the DA housing temperature to be -60 C.

The sequence of actions will be:

1. turn off and disable the DA heater side A
2. enable and turn on the DA heater side B

ASSUMED INSTRUMENT STATE:

SPECIAL INITIAL CONDITIONS:

OPERATIONAL CONSTRAINTS/CAUTIONS:

REFERENCES:

V1.2

- fixed typo in Command Desription in step 1.1
- changed HW TLM verifiers in step 1.1 and 2.1 so that the heater current and voltages are the primary verifiers
- added a note that the HW serial digital verifiers are only valid if one side of the DPA is on

V2.0

- ACIS Team signed-off version
- changed TLM Description in step 2.2 to "DA Htr Current B "

Table 1: **Turn Off DA Heater Side A and Turn On Side B**

Step #	Title (Revision 5.7_V2.0)	Time Req (m)	Command Description	Command Mnemonic	Telemetry Description	Telemetry Mnemonic	Expected Value	Units
1.0	Turn off DA Housing htr A							
1.1	turn off housing heater A	1	Housing Htr Off A	1HHTRAOF	DA A ON/OFF	1DAHTAON	OFF	
					DA Htr +28V INPUT A	1DAHHAVO	0.0 ± 0.2	V
					DA Htr Output V A	1DAHAVO	0.0 ± 0.2	V
					DA Htr Current A	1DAHACU	<0.2	A
1.2	disable housing heater A	1	Housing Htr Dis A	1HHTRADS	DA A ENB/DIS	1DAHTAEN	DIS	
2.0	Turn on DA Housing htr B							
2.1	enable housing heater B	1	Housing Htr En B	1HHTRBEN	DA B ENB/DIS	1DAHTBEN	ENB	
2.2	turn on housing heater B	1	Housing Htr On B	1HHTRBON	DA B ON/OFF	1DAHTBON	ON	
					DA Htr +28V INPUT B	1DAHHBVO	28.0–32.0	V
					DA Htr Output V B	1DAHBVO	28.0–32.0	V
					DA Htr Current B	1DAHBCU	~ 2.0	A
	Total Time	4						

Table 2: (CONT) **Turn Off DA Heater Side A and Turn On Side B**

Step #	Telemetry EGSE	Other Verifier	Crit	Description	Notes	RT Con	Tlm Fmt	Min Alt	SIM Pos
1.0									
1.1			2	Verifier only valid of one side of the DPA is on.		Y	1,2,4or6		
1.2			2	Verifier only valid of one side of the DPA is on.		Y	1,2,4or6		
2.0									
2.1			2	Verifier only valid of one side of the DPA is on.		Y	1,2,4or6		
2.2			2	Verifier only valid of one side of the DPA is on. values shown are maximum voltage and current which are only obtained while heating up to -60 C; power drops as steady state is reached.		Y	1,2,4or6		