4.20_V2.0 TURN OFF PRESSURE TRANSDUCERS A & B

Last Revised: June 23,1999
Filename: xdcr_ab_off

BRIEF FUNCTIONAL DESCRIPTION:

This is an atomic procedure which simply turns off the pressure transducers.

The sequence of actions will be:

1. turn off the pressure transducer A & B, check the pressure to ensure the transducers are off

ASSUMED INSTRUMENT STATE:
Assumes that the PSMC has power from the spacecraft.

SPECIAL INITIAL CONDITIONS:
Assumes that *AXAF* ISIM RCTU is powered on and in telemetry format 1, 2, or 4.

OPERATIONAL CONSTRAINTS/CAUTIONS:
ACIS-C-002

REFERENCES:

CHANGE HISTORY:

V2.0

- ACIS Team signed-off version
- changed required telemetry format to 1,2,4 or 6
- added units of minutes (m) to the Time Req column

Table 1: **Turn off Pressure Transducers A & B**

Step #	Title (Revision 4.20_V2.0)	Time Req(m)	Command Description	Command Mnemonic	Telemetry Description	Telemetry Mnemonic	Expected Value	Units
1.0	Turn Off XDCRs							
1.1	turn off Pressure Transducer A	0.1	XDCR A on	1PRESAOF	Pressure XDCR A	1PRDBAON	OFF	
1.2	turn off Pressure Transducer B	0.1	XDCR B on	1PRESBOF	Pressure XDCR B	1PRDBBON	OFF	
1.3	Measure Pressure A	2.0			Differential Housing Pressure A	1HOPRAPR	-21.1	T
1.4	Measure Pressure B				Differential Housing Pressure B	1HOPRBPR	-19.1	T
	Total Time	2.2						

Table 2: (CONT) **Turn off Pressure Transducers A & B**

Step #	Telemetry EGSE	Other Verifier	Crit	Description	Notes	RT Con	Tlm Fmt	Min Alt	SIM Pos
1.0									
1.1			2		verifiers only valid if one		1,2,4 or 6		
1.2			2		side of the DPA is on		1,2,4 or 6		
1.3			1				1,2,4 or 6		
1.4			1				1,2,4 or 6		