

SpirePacsEng_Parallel_PacsPrologue
 File: H_CRP_PAC_PPRO.xls
 Author: R. Biggins



Procedure Summary

Objectives

The objective of this procedure is to transition PACS to standby for PHOT observations

Based on procedure:
 SpirePacsEng_Parallel_PacsPrologue (v1.0) dated 03.11.2009

Summary of Constraints

To be executed on PACS/HSC request only

Spacecraft Configuration

Start of Procedure

End of Procedure

Reference File(s)

Input Command Sequences

Output Command Sequences
 HRPPPRO

Referenced Displays

ANDs GRDs SLDs

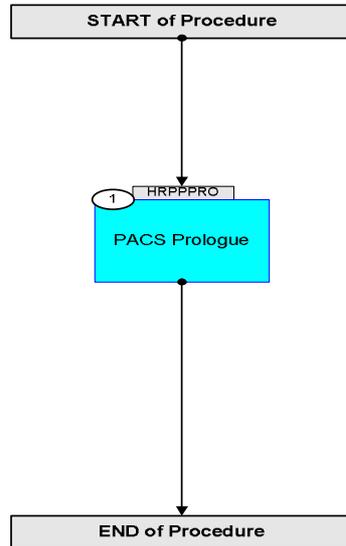
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
06/07/2010		1	Created	R. Biggins	
06/07/2010		2	Procedure title updated	R. Biggins	
19/11/2010		3	Update due to new inputs from PACS	R. Biggins	
19/11/2010		4	ET times added to allow time-tagged execution	R. Biggins	
18/01/2011	3.1	5	Minimum delta time of 1 second added	R. Biggins	

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Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SET_TIMING_FPGA_PAR <i>Subsch. ID : 90</i> Det. descr. : SET THE PARAMETERS OF THE FPGA REGISTER	PC081420	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SYNCHRONIZE_ON_DET <i>Command Parameter(s) :</i> DET_ID PP074420 <i>Subsch. ID : 90</i> Det. descr. : SET THE SYNCHRONIZATION SOURCE FOR SEQUENCER AND TIMING FPGA	PC080420 4 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_WRT_TIMING_FPGA_PAR <i>Command Parameter(s) :</i> DMC_4_BYTES_WORDS_DATA PP067420 0 <hex> DMC_4_BYTES_WORDS_DATA PP067420 1 <hex> DMC_4_BYTES_WORDS_DATA PP067420 0 <hex> DMC_4_BYTES_WORDS_DATA PP067420 1a <hex> DMC_4_BYTES_WORDS_DATA PP067420 977dc04 <hex> DMC_4_BYTES_WORDS_DATA PP067420 22 <hex> DMC_CHECKSUM PP066420 a553 <hex> <i>Subsch. ID : 90</i> Det. descr. : WRITE THE PARAMETERS TO CONFIGURE THE TIMING FPGA	PC176420 0 <hex> 1 <hex> 0 <hex> 1a <hex> 977dc04 <hex> 22 <hex> a553 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SET_TIMING_FPGA_PAR <i>Subsch. ID : 90</i> Det. descr. : SET THE PARAMETERS OF THE FPGA REGISTER	PC081420	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_WRT_BOL_REC_OPT <i>Command Parameter(s) :</i> DMC_4_BYTES_WORDS_DATA PP067420 0 <hex> DMC_CHECKSUM PP066420 84c0 <hex> <i>Subsch. ID : 90</i> Det. descr. : WRITE THE BOL RECEIVER OPTIONS	PC169420 0 <hex> 84c0 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_VAL_SCI_DATA_BOTH <i>Subsch. ID : 90</i> Det. descr. : VALIDATE SCIENCE DATA FROM BOTH CHANNELS	PC097420	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_MOVE_PHOT_FW_LOC Command Parameter(s) : FW_ID PP075420 Subsch. ID : 90 Det. descr. : MOVE PHOTOMETER FILTER WHEEL TO LOCATION	PC136420 POS A	
	ET=+00.00.06 UT=+00.00.06	Execute Telecommand DMC_SWOF_GRAT_CONT Subsch. ID : 90 Det. descr. : SWITCH OFF GRATING CONTROLLER	PC109420	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_STOP_DIAG_HK Subsch. ID : 90 Det. descr. : STOP THE ACQUISITION OF THE DIAGNOSTIC HK	PC147420	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_WRT_DIAG_HK_LIST Command Parameter(s) : DMC_DATA_LENGTH PP065420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_CHECKSUM PP066420 Subsch. ID : 90 Det. descr. : WRITE THE LIST OF DIAGNOSTIC HK INTO DMC MEMORY	PC160420 13 <dec> d1 <hex> f4 <hex> f5 <hex> f6 <hex> f7 <hex> f8 <hex> f9 <hex> 102 <hex> 197 <hex> 22d <hex> 231 <hex> 235 <hex> ffff <hex> 691f <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_START_DIAG_HK Command Parameter(s) : DIAG_HK_PERIOD PP076420 Subsch. ID : 90 Det. descr. : START THE ACQUISITION OF THE DIAGNOSTIC HK	PC146420 5 <dec>	

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	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_WRT_CS1_CONF_PAR Command Parameter(s) : DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_CHECKSUM PP066420 Subsch. ID : 90 Det. descr. : WRITE THE PARAMETERS TO CONFIGURE THE CS1 TEMP REGULATOR	PC166420 f4240 <hex> 1388 <hex> ccd <hex> 741 <hex> 147 <hex> 7fff <hex> 0 <hex> 5c9f <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_WRT_CS2_CONF_PAR Command Parameter(s) : DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_CHECKSUM PP066420 Subsch. ID : 90 Det. descr. : WRITE THE PARAMETERS TO CONFIGURE THE CS2 TEMP REGULATOR	PC167420 f4240 <hex> 1388 <hex> ccd <hex> 741 <hex> 147 <hex> 7fff <hex> 0 <hex> 5c9f <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SWON_BB_1_CONT Subsch. ID : 90 Det. descr. : SWITCH ON BLACK BODY 1 CONTROLLER	PC138420	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_ENABLE_BB_1_CONT Subsch. ID : 90 Det. descr. : ENABLE BB1 CONTROLLER	PC206420	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SET_TEMP_BB_1 Command Parameter(s) : DMC_BB_TEMP PP094420 Subsch. ID : 90 Det. descr. : SET THE TEMPERATURE OF THE BLACK BODY 1	PC140420 48.0 Ohm	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SWON_BB_2_CONT Subsch. ID : 90 Det. descr. : SWITCH ON BLACK BODY 2 CONTROLLER	PC142420	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_ENABLE_BB_2_CONT Subsch. ID : 90 Det. descr. : ENABLE BB2 CONTROLLER	PC208420	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SET_TEMP_BB_2 Command Parameter(s) : DMC_BB_TEMP PP094420 Subsch. ID : 90 Det. descr. : SET THE TEMPERATURE OF THE BLACK BODY 2	PC144420 58.0 Ohm	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DPU_SET_FUNCNT Command Parameter(s) : DPU_INT_FUNCNT_ID PP007380 ENABLE_DISABLE PP006380 Subsch. ID : 90 Det. descr. : ENABLE OR DISABLE A DPU INTERNAL FUNCTION	PC005380 EVENT_BOL_BIAS DISABLE	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DPU_SET_FUNCNT Command Parameter(s) : DPU_INT_FUNCNT_ID PP007380 ENABLE_DISABLE PP006380 Subsch. ID : 90 Det. descr. : ENABLE OR DISABLE A DPU INTERNAL FUNCTION	PC005380 EVENT_BOL_I_RO DISABLE	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DPU_SET_FUNCNT Command Parameter(s) : DPU_INT_FUNCNT_ID PP007380 ENABLE_DISABLE PP006380 Subsch. ID : 90 Det. descr. : ENABLE OR DISABLE A DPU INTERNAL FUNCTION	PC005380 EVENT_BOL_V_PWR DISABLE	
	ET=+00.00.02 UT=+00.00.02	Execute Telecommand DMC_SEND_COMMAND_BOLC Command Parameter(s) : BOLOMETER_COMMAND PP071420 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOL CONTROLLER	PC103420 a000001 <hex>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SEND_COMMAND_BOLC Command Parameter(s) : BOLOMETER_COMMAND PP071420 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOL CONTROLLER	PC103420 a000003 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SEND_COMMAND_BOLC Command Parameter(s) : BOLOMETER_COMMAND PP071420 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOL CONTROLLER	PC103420 a000007 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SEND_COMMAND_BOLC Command Parameter(s) : BOLOMETER_COMMAND PP071420 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOL CONTROLLER	PC103420 a00000f <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SEND_COMMAND_BOLC Command Parameter(s) : BOLOMETER_COMMAND PP071420 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOL CONTROLLER	PC103420 a00001f <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SEND_COMMAND_BOLC Command Parameter(s) : BOLOMETER_COMMAND PP071420 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOL CONTROLLER	PC103420 a00003f <hex>	
	ET=+00.00.08 UT=+00.00.08	Execute Telecommand DPU_SET_FUNCT Command Parameter(s) : DPU_INT_FUNCT_ID PP007380 ENABLE_DISABLE PP006380 Subsch. ID : 90 Det. descr. : ENABLE OR DISABLE A DPU INTERNAL FUNCTION	PC005380 EVENT_BOL_V_PWR ENABLE	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.02 UT=+00.00.02	Execute Telecommand DMC_SEND_COMMAND_BOLC Command Parameter(s) : BOLOMETER_COMMAND PP071420 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOL CONTROLLER	PC103420 1160001 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SEND_COMMAND_BOLC Command Parameter(s) : BOLOMETER_COMMAND PP071420 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOL CONTROLLER	PC103420 1150001 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SEND_COMMAND_BOLC Command Parameter(s) : BOLOMETER_COMMAND PP071420 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOL CONTROLLER	PC103420 1170001 <hex>	
	ET=+00.00.03 UT=+00.00.03	Execute Telecommand BOLC_SET_VGL_BU_G1 Command Parameter(s) : BOLC_VGL_BU_BIAS_G1 PP161410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VGL_BU BIAS TO GROUP 1	PC265410 2.547 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDL_BU_G1 Command Parameter(s) : BOLC_VDL_BU_BIAS_G1 PP160410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDL_BU BIAS TO GROUP 1	PC264410 4.2 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSS_BU_G1 Command Parameter(s) : BOLC_VSS_BU_BIAS_G1 PP159410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSS_BU BIAS TO GROUP 1	PC263410 1.5 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VGG_G1 Command Parameter(s) : BOLC_VGG_BIAS_G1 PP157410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VGG BIAS TO GROUP 1	PC261410 1.115 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDD_G1 Command Parameter(s) : BOLC_VDD_BIAS_G1 PP158410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDD BIAS TO GROUP 1	PC262410 2.6 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VGL_G1 Command Parameter(s) : BOLC_VGL_BIAS_G1 PP150410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VGL BIAS TO GROUP 1	PC254410 3.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDL_G1 Command Parameter(s) : BOLC_VDL_BIAS_G1 PP148410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDL BIAS TO GROUP 1	PC252410 3.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VH_BLIND_G1 Command Parameter(s) : BOLC_VH_BLIND_BIAS_G1 PP162410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VH_BLIND BIAS TO GROUP 1	PC266410 2.07067 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSS_G1 Command Parameter(s) : BOLC_VSS_BIAS_G1 PP149410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSS BIAS TO GROUP 1	PC253410 1.3 V	

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	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDECX_L_G1 Command Parameter(s) : BOLC_VDECX_L_BIAS_G1 PP154410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDECX_L BIAS TO GROUP 1	PC258410 2.0E-5 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDECX_H_G1 Command Parameter(s) : BOLC_VDECX_H_BIAS_G1 PP153410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDECX_H BIAS TO GROUP 1	PC257410 2.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_CKRLI_G1 Command Parameter(s) : BOLC_CKRLI_BIAS_G1 PP152410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET CKRLI BIAS TO GROUP 1	PC256410 1.6E-4 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_CKRLH_G1 Command Parameter(s) : BOLC_CKRLH_BIAS_G1 PP151410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET CKRLH BIAS TO GROUP 1	PC255410 2.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSMS_L_G1 Command Parameter(s) : BOLC_VSMS_L_BIAS_G1 PP156410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSMS_L BIAS TO GROUP 1	PC260410 3.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSMS_H_G1 Command Parameter(s) : BOLC_VSMS_H_BIAS_G1 PP155410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSMS_H BIAS TO GROUP 1	PC259410 7.0E-5 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VINJ_G1 <i>Command Parameter(s) :</i> BOLC_VINJ_BIAS_G1 PP146410 <i>Subsch. ID : 90</i> Det. descr. : SEND COMMAND TO BOLC SET VINJ BIAS TO GROUP 1	PC250410 3.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VH_G1 <i>Command Parameter(s) :</i> BOLC_VH_BIAS_G1 PP143410 <i>Subsch. ID : 90</i> Det. descr. : SEND COMMAND TO BOLC SET VH BIAS TO GROUP 1	PC247410 2.27441 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VL_G1 <i>Command Parameter(s) :</i> BOLC_VL_BIAS_G1 PP144410 <i>Subsch. ID : 90</i> Det. descr. : SEND COMMAND TO BOLC SET VL BIAS TO GROUP 1	PC248410 -0.32559 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VRL_G1 <i>Command Parameter(s) :</i> BOLC_VRL_BIAS_G1 PP145410 <i>Subsch. ID : 90</i> Det. descr. : SEND COMMAND TO BOLC SET VRL BIAS TO GROUP 1	PC249410 0.50527 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VCH_G1 <i>Command Parameter(s) :</i> BOLC_VCH_BIAS_G1 PP147410 <i>Subsch. ID : 90</i> Det. descr. : SEND COMMAND TO BOLC SET VCH BIAS TO GROUP 1	PC251410 0.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SEND_COMMAND_BOLC <i>Command Parameter(s) :</i> BOLOMETER_COMMAND PP071420 <i>Subsch. ID : 90</i> Det. descr. : SEND COMMAND TO BOL CONTROLLER	PC103420 2160001 <hex>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SEND_COMMAND_BOLC Command Parameter(s) : BOLOMETER_COMMAND PP071420 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOL CONTROLLER	PC103420 2150001 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SEND_COMMAND_BOLC Command Parameter(s) : BOLOMETER_COMMAND PP071420 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOL CONTROLLER	PC103420 2170001 <hex>	
	ET=+00.00.03 UT=+00.00.03	Execute Telecommand BOLC_SET_VGL_BU_G2 Command Parameter(s) : BOLC_VGL_BU_BIAS_G2 PP181410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VGL_BU BIAS TO GROUP 2	PC285410 2.545 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDL_BU_G2 Command Parameter(s) : BOLC_VDL_BU_BIAS_G2 PP180410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDL_BU BIAS TO GROUP 2	PC284410 4.2 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSS_BU_G2 Command Parameter(s) : BOLC_VSS_BU_BIAS_G2 PP179410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSS_BU BIAS TO GROUP 2	PC283410 1.5 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VGG_G2 Command Parameter(s) : BOLC_VGG_BIAS_G2 PP177410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VGG BIAS TO GROUP 2	PC281410 1.114 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDD_G2 Command Parameter(s) : BOLC_VDD_BIAS_G2 PP178410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDD BIAS TO GROUP 2	PC282410 2.6 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VGL_G2 Command Parameter(s) : BOLC_VGL_BIAS_G2 PP170410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VGL BIAS TO GROUP 2	PC274410 3.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDL_G2 Command Parameter(s) : BOLC_VDL_BIAS_G2 PP168410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDL BIAS TO GROUP 2	PC272410 3.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VH_BLIND_G2 Command Parameter(s) : BOLC_VH_BLIND_BIAS_G2 PP182410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VH_BLIND BIAS TO GROUP 2	PC286410 2.07098 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSS_G2 Command Parameter(s) : BOLC_VSS_BIAS_G2 PP169410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSS BIAS TO GROUP 2	PC273410 1.3 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDECX_L_G2 Command Parameter(s) : BOLC_VDECX_L_BIAS_G2 PP174410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDECX_L BIAS TO GROUP 2	PC278410 1.0E-4 V	

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	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDECX_H_G2 Command Parameter(s) : BOLC_VDECX_H_BIAS_G2 PP173410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDECX_H BIAS TO GROUP 2	PC277410 2.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_CKRLG_G2 Command Parameter(s) : BOLC_CKRLG_BIAS_G2 PP172410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET CKRLG BIAS TO GROUP 2	PC276410 8.0E-5 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_CKRLH_G2 Command Parameter(s) : BOLC_CKRLH_BIAS_G2 PP171410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET CKRLH BIAS TO GROUP 2	PC275410 2.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSMS_L_G2 Command Parameter(s) : BOLC_VSMS_L_BIAS_G2 PP176410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSMS_L BIAS TO GROUP 2	PC280410 3.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSMS_H_G2 Command Parameter(s) : BOLC_VSMS_H_BIAS_G2 PP175410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSMS_H BIAS TO GROUP 2	PC279410 2.5E-4 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VINJ_G2 Command Parameter(s) : BOLC_VINJ_BIAS_G2 PP166410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VINJ BIAS TO GROUP 2	PC270410 3.0 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VH_G2 Command Parameter(s) : BOLC_VH_BIAS_G2 PP163410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VH BIAS TO GROUP 2	PC267410 2.24431 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VL_G2 Command Parameter(s) : BOLC_VL_BIAS_G2 PP164410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VL BIAS TO GROUP 2	PC268410 -0.35569 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VRL_G2 Command Parameter(s) : BOLC_VRL_BIAS_G2 PP165410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VRL BIAS TO GROUP 2	PC269410 0.49694 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VCH_G2 Command Parameter(s) : BOLC_VCH_BIAS_G2 PP167410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VCH BIAS TO GROUP 2	PC271410 0.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SEND_COMMAND_BOLC Command Parameter(s) : BOLOMETER_COMMAND PP071420 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOL CONTROLLER	PC103420 3160001 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SEND_COMMAND_BOLC Command Parameter(s) : BOLOMETER_COMMAND PP071420 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOL CONTROLLER	PC103420 3150001 <hex>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SEND_COMMAND_BOLC Command Parameter(s) : BOLOMETER_COMMAND PP071420 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOL CONTROLLER	PC103420 3170001 <hex>	
	ET=+00.00.03 UT=+00.00.03	Execute Telecommand BOLC_SET_VGL_BU_G3 Command Parameter(s) : BOLC_VGL_BU_BIAS_G3 PP201410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VGL_BU BIAS TO GROUP 3	PC305410 2.54 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDL_BU_G3 Command Parameter(s) : BOLC_VDL_BU_BIAS_G3 PP200410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDL_BU BIAS TO GROUP 3	PC304410 4.205 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSS_BU_G3 Command Parameter(s) : BOLC_VSS_BU_BIAS_G3 PP199410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSS_BU BIAS TO GROUP 3	PC303410 1.5 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VGG_G3 Command Parameter(s) : BOLC_VGG_BIAS_G3 PP197410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VGG BIAS TO GROUP 3	PC301410 1.118 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDD_G3 Command Parameter(s) : BOLC_VDD_BIAS_G3 PP198410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDD BIAS TO GROUP 3	PC302410 2.6 V	

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	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VGL_G3 Command Parameter(s) : BOLC_VGL_BIAS_G3 PP190410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VGL BIAS TO GROUP 3	PC294410 3.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDL_G3 Command Parameter(s) : BOLC_VDL_BIAS_G3 PP188410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDL BIAS TO GROUP 3	PC292410 3.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VH_BLIND_G3 Command Parameter(s) : BOLC_VH_BLIND_BIAS_G3 PP202410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VH_BLIND BIAS TO GROUP 3	PC306410 2.07086 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSS_G3 Command Parameter(s) : BOLC_VSS_BIAS_G3 PP189410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSS BIAS TO GROUP 3	PC293410 1.3 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDECK_L_G3 Command Parameter(s) : BOLC_VDECK_L_BIAS_G3 PP194410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDECK_L BIAS TO GROUP 3	PC298410 4.0E-5 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDECK_H_G3 Command Parameter(s) : BOLC_VDECK_H_BIAS_G3 PP193410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDECK_H BIAS TO GROUP 3	PC297410 2.0 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_CKRLG_G3 Command Parameter(s) : BOLC_CKRLG_BIAS_G3 PP192410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET CKRLG BIAS TO GROUP 3	PC296410 1.2E-4 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_CKRLH_G3 Command Parameter(s) : BOLC_CKRLH_BIAS_G3 PP191410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET CKRLH BIAS TO GROUP 3	PC295410 2.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSMS_L_G3 Command Parameter(s) : BOLC_VSMS_L_BIAS_G3 PP196410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSMS_L BIAS TO GROUP 3	PC300410 3.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSMS_H_G3 Command Parameter(s) : BOLC_VSMS_H_BIAS_G3 PP195410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSMS_H BIAS TO GROUP 3	PC299410 6.0E-5 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VINJ_G3 Command Parameter(s) : BOLC_VINJ_BIAS_G3 PP186410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VINJ BIAS TO GROUP 3	PC290410 3.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VH_G3 Command Parameter(s) : BOLC_VH_BIAS_G3 PP183410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VH BIAS TO GROUP 3	PC287410 2.24717 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand <p style="text-align: right;">BOLC_SET_VL_G3</p> <i>Command Parameter(s) :</i> <p style="text-align: right;">BOLC_VL_BIAS_G3 PP184410</p> <i>Subsch. ID : 90</i> <i>Det. descr. : SEND COMMAND TO BOLC SET VL BIAS TO GROUP 3</i>	PC288410 -0.35283 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand <p style="text-align: right;">BOLC_SET_VRL_G3</p> <i>Command Parameter(s) :</i> <p style="text-align: right;">BOLC_VRL_BIAS_G3 PP185410</p> <i>Subsch. ID : 90</i> <i>Det. descr. : SEND COMMAND TO BOLC SET VRL BIAS TO GROUP 3</i>	PC289410 0.50377 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand <p style="text-align: right;">BOLC_SET_VCH_G3</p> <i>Command Parameter(s) :</i> <p style="text-align: right;">BOLC_VCH_BIAS_G3 PP187410</p> <i>Subsch. ID : 90</i> <i>Det. descr. : SEND COMMAND TO BOLC SET VCH BIAS TO GROUP 3</i>	PC291410 0.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand <p style="text-align: right;">DMC_SEND_COMMAND_BOLC</p> <i>Command Parameter(s) :</i> <p style="text-align: right;">BOLOMETER_COMMAND PP071420</p> <i>Subsch. ID : 90</i> <i>Det. descr. : SEND COMMAND TO BOL CONTROLLER</i>	PC103420 4160001 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand <p style="text-align: right;">DMC_SEND_COMMAND_BOLC</p> <i>Command Parameter(s) :</i> <p style="text-align: right;">BOLOMETER_COMMAND PP071420</p> <i>Subsch. ID : 90</i> <i>Det. descr. : SEND COMMAND TO BOL CONTROLLER</i>	PC103420 4150001 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand <p style="text-align: right;">DMC_SEND_COMMAND_BOLC</p> <i>Command Parameter(s) :</i> <p style="text-align: right;">BOLOMETER_COMMAND PP071420</p> <i>Subsch. ID : 90</i> <i>Det. descr. : SEND COMMAND TO BOL CONTROLLER</i>	PC103420 4170001 <hex>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.03 UT=+00.00.03	Execute Telecommand BOLC_SET_VGL_BU_G4 Command Parameter(s) : BOLC_VGL_BU_BIAS_G4 PP221410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VGL_BU BIAS TO GROUP 4	PC325410 2.543 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDL_BU_G4 Command Parameter(s) : BOLC_VDL_BU_BIAS_G4 PP220410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDL_BU BIAS TO GROUP 4	PC324410 4.2 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSS_BU_G4 Command Parameter(s) : BOLC_VSS_BU_BIAS_G4 PP219410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSS_BU BIAS TO GROUP 4	PC323410 1.5 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VGG_G4 Command Parameter(s) : BOLC_VGG_BIAS_G4 PP217410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VGG BIAS TO GROUP 4	PC321410 1.118 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDD_G4 Command Parameter(s) : BOLC_VDD_BIAS_G4 PP218410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDD BIAS TO GROUP 4	PC322410 2.6 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VGL_G4 Command Parameter(s) : BOLC_VGL_BIAS_G4 PP210410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VGL BIAS TO GROUP 4	PC314410 3.0 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand <p style="text-align: right;">BOLC_SET_VDL_G4</p> <i>Command Parameter(s) :</i> <p style="text-align: center;">BOLC_VDL_BIAS_G4 PP208410</p> <i>Subsch. ID : 90</i> Det. descr. : SEND COMMAND TO BOLC SET VDL BIAS TO GROUP 4	PC312410 3.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand <p style="text-align: right;">BOLC_SET_VH_BLIND_G4</p> <i>Command Parameter(s) :</i> <p style="text-align: center;">BOLC_VH_BLIND_BIAS_G4 PP222410</p> <i>Subsch. ID : 90</i> Det. descr. : SEND COMMAND TO BOLC SET VH_BLIND BIAS TO GROUP 4	PC326410 2.07175 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand <p style="text-align: right;">BOLC_SET_VSS_G4</p> <i>Command Parameter(s) :</i> <p style="text-align: center;">BOLC_VSS_BIAS_G4 PP209410</p> <i>Subsch. ID : 90</i> Det. descr. : SEND COMMAND TO BOLC SET VSS BIAS TO GROUP 4	PC313410 1.3 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand <p style="text-align: right;">BOLC_SET_VDECK_L_G4</p> <i>Command Parameter(s) :</i> <p style="text-align: center;">BOLC_VDECK_L_BIAS_G4 PP214410</p> <i>Subsch. ID : 90</i> Det. descr. : SEND COMMAND TO BOLC SET VDECK_L BIAS TO GROUP 4	PC318410 8.0E-5 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand <p style="text-align: right;">BOLC_SET_VDECK_H_G4</p> <i>Command Parameter(s) :</i> <p style="text-align: center;">BOLC_VDECK_H_BIAS_G4 PP213410</p> <i>Subsch. ID : 90</i> Det. descr. : SEND COMMAND TO BOLC SET VDECK_H BIAS TO GROUP 4	PC317410 2.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand <p style="text-align: right;">BOLC_SET_CKRLG_G4</p> <i>Command Parameter(s) :</i> <p style="text-align: center;">BOLC_CKRLG_BIAS_G4 PP212410</p> <i>Subsch. ID : 90</i> Det. descr. : SEND COMMAND TO BOLC SET CKRLG BIAS TO GROUP 4	PC316410 7.0E-5 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_CKRLH_G4 Command Parameter(s) : BOLC_CKRLH_BIAS_G4 PP211410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET CKRLH BIAS TO GROUP 4	PC315410 2.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSMS_L_G4 Command Parameter(s) : BOLC_VSMS_L_BIAS_G4 PP216410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSMS_L BIAS TO GROUP 4	PC320410 3.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSMS_H_G4 Command Parameter(s) : BOLC_VSMS_H_BIAS_G4 PP215410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSMS_H BIAS TO GROUP 4	PC319410 1.5E-4 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VINJ_G4 Command Parameter(s) : BOLC_VINJ_BIAS_G4 PP206410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VINJ BIAS TO GROUP 4	PC310410 3.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VH_G4 Command Parameter(s) : BOLC_VH_BIAS_G4 PP203410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VH BIAS TO GROUP 4	PC307410 2.23593 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VL_G4 Command Parameter(s) : BOLC_VL_BIAS_G4 PP204410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VL BIAS TO GROUP 4	PC308410 -0.36407 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VRL_G4 Command Parameter(s) : BOLC_VRL_BIAS_G4 PP205410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VRL BIAS TO GROUP 4	PC309410 0.46102 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VCH_G4 Command Parameter(s) : BOLC_VCH_BIAS_G4 PP207410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VCH BIAS TO GROUP 4	PC311410 0.0 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SEND_COMMAND_BOLC Command Parameter(s) : BOLOMETER_COMMAND PP071420 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOL CONTROLLER	PC103420 5160001 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SEND_COMMAND_BOLC Command Parameter(s) : BOLOMETER_COMMAND PP071420 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOL CONTROLLER	PC103420 5150001 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SEND_COMMAND_BOLC Command Parameter(s) : BOLOMETER_COMMAND PP071420 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOL CONTROLLER	PC103420 5170001 <hex>	
	ET=+00.00.03 UT=+00.00.03	Execute Telecommand BOLC_SET_VGL_BU_G5 Command Parameter(s) : BOLC_VGL_BU_BIAS_G5 PP241410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VGL_BU BIAS TO GROUP 5	PC345410 2.52 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDL_BU_G5 Command Parameter(s) : BOLC_VDL_BU_BIAS_G5 PP240410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDL_BU BIAS TO GROUP 5	PC344410 4.1942 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSS_BU_G5 Command Parameter(s) : BOLC_VSS_BU_BIAS_G5 PP239410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSS_BU BIAS TO GROUP 5	PC343410 1.5001 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VGG_G5 Command Parameter(s) : BOLC_VGG_BIAS_G5 PP237410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VGG BIAS TO GROUP 5	PC341410 1.134 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDD_G5 Command Parameter(s) : BOLC_VDD_BIAS_G5 PP238410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDD BIAS TO GROUP 5	PC342410 2.5993 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VGL_G5 Command Parameter(s) : BOLC_VGL_BIAS_G5 PP230410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VGL BIAS TO GROUP 5	PC334410 3.0033 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDL_G5 Command Parameter(s) : BOLC_VDL_BIAS_G5 PP228410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDL BIAS TO GROUP 5	PC332410 3.0035 V	

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	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VH_BLIND_G5 Command Parameter(s) : BOLC_VH_BLIND_BIAS_G5 PP242410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VH_BLIND BIAS TO GROUP 5	PC346410 2.07081 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSS_G5 Command Parameter(s) : BOLC_VSS_BIAS_G5 PP229410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSS BIAS TO GROUP 5	PC333410 1.3 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDECK_L_G5 Command Parameter(s) : BOLC_VDECK_L_BIAS_G5 PP234410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDECK_L BIAS TO GROUP 5	PC338410 3.5E-4 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDECK_H_G5 Command Parameter(s) : BOLC_VDECK_H_BIAS_G5 PP233410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDECK_H BIAS TO GROUP 5	PC337410 1.9997 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_CKRLH_G5 Command Parameter(s) : BOLC_CKRLH_BIAS_G5 PP232410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET CKRLH BIAS TO GROUP 5	PC336410 4.0E-5 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_CKRLG_G5 Command Parameter(s) : BOLC_CKRLG_BIAS_G5 PP231410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET CKRLG BIAS TO GROUP 5	PC335410 1.9994 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSMS_L_G5 Command Parameter(s) : BOLC_VSMS_L_BIAS_G5 PP236410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSMS_L BIAS TO GROUP 5	PC340410 3.0014 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSMS_H_G5 Command Parameter(s) : BOLC_VSMS_H_BIAS_G5 PP235410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSMS_H BIAS TO GROUP 5	PC339410 6.0E-5 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VINJ_G5 Command Parameter(s) : BOLC_VINJ_BIAS_G5 PP226410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VINJ BIAS TO GROUP 5	PC330410 2.9994 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VH_G5 Command Parameter(s) : BOLC_VH_BIAS_G5 PP223410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VH BIAS TO GROUP 5	PC327410 1.82316 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VL_G5 Command Parameter(s) : BOLC_VL_BIAS_G5 PP224410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VL BIAS TO GROUP 5	PC328410 -0.17684 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VRL_G5 Command Parameter(s) : BOLC_VRL_BIAS_G5 PP225410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VRL BIAS TO GROUP 5	PC329410 0.56787 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSS_BU_G6 Command Parameter(s) : BOLC_VSS_BU_BIAS_G6 PP259410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSS_BU BIAS TO GROUP 6	PC363410 1.499 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VGG_G6 Command Parameter(s) : BOLC_VGG_BIAS_G6 PP257410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VGG BIAS TO GROUP 6	PC361410 1.136 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDD_G6 Command Parameter(s) : BOLC_VDD_BIAS_G6 PP258410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDD BIAS TO GROUP 6	PC362410 2.6085 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VGL_G6 Command Parameter(s) : BOLC_VGL_BIAS_G6 PP250410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VGL BIAS TO GROUP 6	PC354410 3.0013 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDL_G6 Command Parameter(s) : BOLC_VDL_BIAS_G6 PP248410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDL BIAS TO GROUP 6	PC352410 3.0003 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VH_BLIND_G6 Command Parameter(s) : BOLC_VH_BLIND_BIAS_G6 PP262410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VH_BLIND BIAS TO GROUP 6	PC366410 2.06374 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSS_G6 Command Parameter(s) : BOLC_VSS_BIAS_G6 PP249410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSS BIAS TO GROUP 6	PC353410 1.3 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDECX_L_G6 Command Parameter(s) : BOLC_VDECX_L_BIAS_G6 PP254410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDECX_L BIAS TO GROUP 6	PC358410 9.0E-5 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VDECX_H_G6 Command Parameter(s) : BOLC_VDECX_H_BIAS_G6 PP253410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VDECX_H BIAS TO GROUP 6	PC357410 1.9999 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_CKRL_L_G6 Command Parameter(s) : BOLC_CKRL_L_BIAS_G6 PP252410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET CKRL_L BIAS TO GROUP 6	PC356410 1.2E-4 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_CKRLH_G6 Command Parameter(s) : BOLC_CKRLH_BIAS_G6 PP251410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET CKRLH BIAS TO GROUP 6	PC355410 1.9992 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSMS_L_G6 Command Parameter(s) : BOLC_VSMS_L_BIAS_G6 PP256410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSMS_L BIAS TO GROUP 6	PC360410 3.001 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VSMS_H_G6 Command Parameter(s) : BOLC_VSMS_H_BIAS_G6 PP255410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VSMS_H BIAS TO GROUP 6	PC359410 1.1E-4 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VINJ_G6 Command Parameter(s) : BOLC_VINJ_BIAS_G6 PP246410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VINJ BIAS TO GROUP 6	PC350410 2.9995 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VH_G6 Command Parameter(s) : BOLC_VH_BIAS_G6 PP243410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VH BIAS TO GROUP 6	PC347410 1.808 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VL_G6 Command Parameter(s) : BOLC_VL_BIAS_G6 PP244410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VL BIAS TO GROUP 6	PC348410 -0.192 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VRL_G6 Command Parameter(s) : BOLC_VRL_BIAS_G6 PP245410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VRL BIAS TO GROUP 6	PC349410 0.53569 V	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_VCH_G6 Command Parameter(s) : BOLC_VCH_BIAS_G6 PP247410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET VCH BIAS TO GROUP 6	PC351410 -1.4E-4 V	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_CLOCK_MUX Command Parameter(s) : BOLC_CLOCK PP111410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET CLOCK MUX	PC219410 STOP	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_FINE_TIME_SETTING Command Parameter(s) : BOLC_SETTING PP117410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET FINE TIMING PARAMETER	PC224410 14 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_FINE_TIME_SETTING Command Parameter(s) : BOLC_SETTING PP117410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET FINE TIMING PARAMETER	PC224410 111b4 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_FINE_TIME_SETTING Command Parameter(s) : BOLC_SETTING PP117410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET FINE TIMING PARAMETER	PC224410 24874 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_FINE_TIME_SETTING Command Parameter(s) : BOLC_SETTING PP117410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET FINE TIMING PARAMETER	PC224410 34ce4 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_FINE_TIME_SETTING Command Parameter(s) : BOLC_SETTING PP117410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET FINE TIMING PARAMETER	PC224410 44fec <hex>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_FINE_TIME_SETTING Command Parameter(s) : BOLC_SETTING PP117410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET FINE TIMING PARAMETER	PC224410 58c2c <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_FINE_TIME_SETTING Command Parameter(s) : BOLC_SETTING PP117410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET FINE TIMING PARAMETER	PC224410 69124 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_FINE_TIME_SETTING Command Parameter(s) : BOLC_SETTING PP117410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET FINE TIMING PARAMETER	PC224410 79334 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_FINE_TIME_SETTING Command Parameter(s) : BOLC_SETTING PP117410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET FINE TIMING PARAMETER	PC224410 89b14 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_FINE_TIME_SETTING Command Parameter(s) : BOLC_SETTING PP117410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET FINE TIMING PARAMETER	PC224410 9a100 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_CLOCK_MUX Command Parameter(s) : BOLC_CLOCK PP111410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET CLOCK MUX	PC219410 Sequencer	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_DATA_MODE Command Parameter(s) : BOLC_DATA_MODE PP105410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET DATA MODE	PC214410 Bolo_HK	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SEND_COMMAND_BOLC Command Parameter(s) : BOLOMETER_COMMAND PP071420 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOL CONTROLLER	PC103420 90000 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SEND_COMMAND_BOLC Command Parameter(s) : BOLOMETER_COMMAND PP071420 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOL CONTROLLER	PC103420 c08fa <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SEND_COMMAND_BOLC Command Parameter(s) : BOLOMETER_COMMAND PP071420 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOL CONTROLLER	PC103420 9010001 <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand BOLC_SET_GAIN Command Parameter(s) : BOLC_GAIN PP112410 Subsch. ID : 90 Det. descr. : SEND COMMAND TO BOLC SET GAIN	PC220410 LOW	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand SPUS_STOP_REDUCT_COMPR Subsch. ID : 90 Det. descr. : STOP THE APPLICATION PROGRAM IN SPU_SWL	PC037400	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand SPUL_STOP_REDUCT_COMPR Subsch. ID : 90 Det. descr. : STOP THE APPLICATION PROGRAM IN SPU_LWL	PC038390	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_WRT_SPU_TRAN_MODE Command Parameter(s) : DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_CHECKSUM PP066420 Subsch. ID : 90 Det. descr. : WRITE THE SPU TRASMISSION MODE	PC175420 0 <hex> 0 <hex> 313e <hex>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand SPUS_RAW_CHAN_TRAN_MODE Command Parameter(s) : SPUS_OBS_MODE PP050400 SPUS_RCXNB PP051400 SPUS_RCX PP052400 Subsch. ID : 90 Det. descr. : RAW CHANNEL TRANSMISSION MODE FOR SPUS	PC035400 PHOT 0 <dec> 1 <dec>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand SPUL_RAW_CHAN_TRAN_MODE Command Parameter(s) : SPUL_OBS_MODE PP032390 SPUL_RCXNB PP033390 SPUL_RCX PP034390 Subsch. ID : 90 Det. descr. : RAW CHANNEL TRANSMISSION MODE FOR SPUL	PC036390 PHOT 0 <dec> 1 <dec>	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand SPUS_WRT_DET_CST_PHOT Command Parameter(s) : SPUS_4_BYTES_WORDS_DATA PP055400 SPUS_4_BYTES_WORDS_DATA PP055400 SPUS_4_BYTES_WORDS_DATA PP055400 SPUS_4_BYTES_WORDS_DATA PP055400 SPUS_4_BYTES_WORDS_DATA PP055400 SPUS_4_BYTES_WORDS_DATA PP055400 SPUS_4_BYTES_WORDS_DATA PP055400 SPUS_4_BYTES_WORDS_DATA PP055400 SPUS_4_BYTES_WORDS_DATA PP055400 SPUS_4_BYTES_WORDS_DATA PP055400 SPUS_4_BYTES_WORDS_DATA PP055400 SPUS_4_BYTES_WORDS_DATA PP055400	PC065400 0 <hex> 0 <hex> 3e8 <hex> 64 <hex> 1 <hex> 0 <hex> 0 <hex> 0 <hex> 0 <hex> 1 <hex> 4 <hex> 3 <hex>	

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	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SET_TIME Subsch. ID : 90 Det. descr. : SET THE TIME PREVIOUSLY WRITTEN BY THE WRITE TIME COMMAND	PC077420	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DPU_SET_FUNC Command Parameter(s) : DPU_INT_FUNC_ID PP007380 ENABLE_DISABLE PP006380 Subsch. ID : 90 Det. descr. : ENABLE OR DISABLE A DPU INTERNAL FUNCTION	PC005380 EVENT_BOL_BIAS ENABLE	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DPU_SET_FUNC Command Parameter(s) : DPU_INT_FUNC_ID PP007380 ENABLE_DISABLE PP006380 Subsch. ID : 90 Det. descr. : ENABLE OR DISABLE A DPU INTERNAL FUNCTION	PC005380 EVENT_BOL_T_FP ENABLE	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DPU_SET_FUNC Command Parameter(s) : DPU_INT_FUNC_ID PP007380 ENABLE_DISABLE PP006380 Subsch. ID : 90 Det. descr. : ENABLE OR DISABLE A DPU INTERNAL FUNCTION	PC005380 EVENT_BOL_I_RO ENABLE	
	ET=+00.00.01 UT=+00.00.01	Execute Telecommand DMC_SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID PP070420 Subsch. ID : 90 Det. descr. : SET BBID IN DMC	PC079420 1073741824 <dec>	
	ET=+00.03.22 UT=+00.03.22	Execute Telecommand DMC_SET_OBSID Command Parameter(s) : OBSERVATION_ID PP069420 Subsch. ID : 90 Det. descr. : SET OBSID IN DMC	PC078420 1342177280 <dec>	

End of Procedure