

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Procedure Summary

Objectives

This is a recovery procedure for contingency situations.

This procedure takes SPIRE from REDY mode to PHOT_STBY mode, ready for photometry observations. A cooler recycle should have been performed before running this procedure. Check with SPIRE/HSC/SOM that a cooler recycle has been performed either via the MTL or manually using procedure H_CRP_SPI_CREC.

SPIRE should be in REDY mode before beginning this sequence.

Based on procedure: SpireEngREDYtoPHOT_STBY
 Generated by SPIRE/HSC:26/08/2010

Summary of Constraints

Spacecraft Configuration

Start of Procedure

Mode = REDY (Cooler Recycle already performed).

End of Procedure

Mode = PHOT_STBY

Reference File(s)

Input Command Sequences

HFD1013A
 HFD1013B

Output Command Sequences

HRSR2PH

Referenced Displays

ANDs	GRDs	SLDs
SA_7_559		
SA_1_559		
SA_6_559		

Configuration Control Information

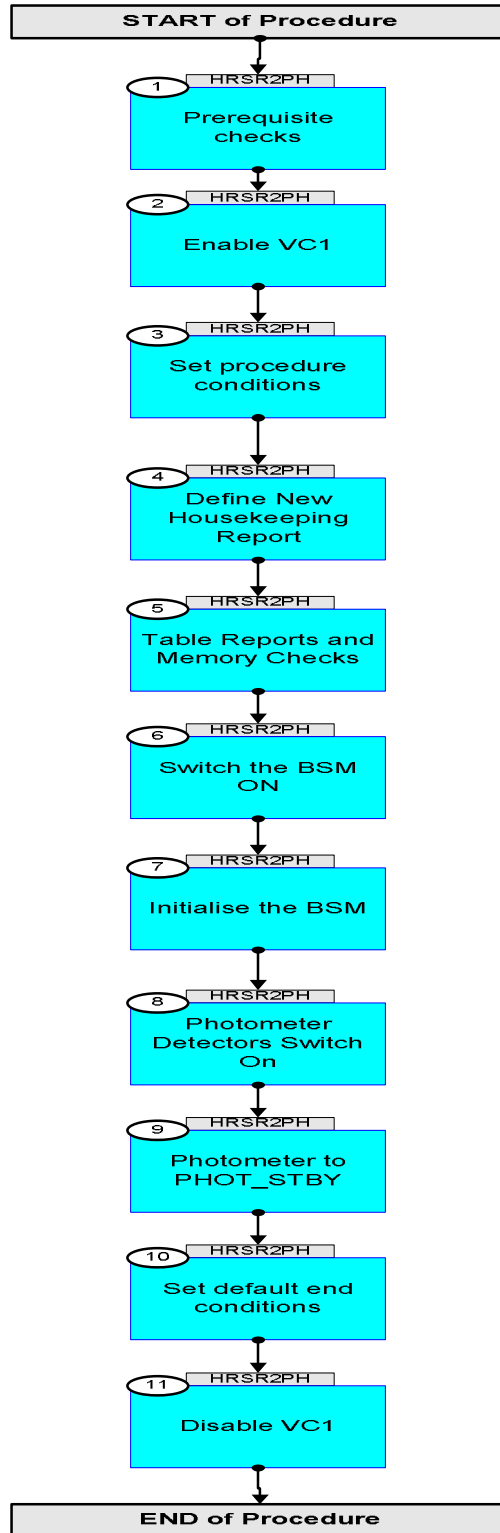
DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
29/10/2010		1	Created	L.Lucas-hp	
25/11/2010		1.01	Validation : Amended some text	L.Lucas-hp	
15/12/2010		2	Added in VC1 commanding	L.Lucas-hp	
05/04/2011	3.1	3	Minimum delta between TCs updated to 1 second	R. Biggins	

Status : Version 3 - Updated
 Last Checkin: 05/04/2011

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Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
Beginning of Procedure				
<p><i>TC Seq. Name :HRSR2PH (LifeboatREDY2PHOTSTB)</i></p> <p><i>TimeTag Type: N</i> <i>Sub Schedule ID:</i></p> <p style="text-align: center;">□</p>				
1		<i>Prerequisite checks</i>		Next Step: 2
1.1		<i>HSC/ICC input</i>		□
		<p>Verify that the HSC has supplied a valid OBSID value:</p> <p>OBS_ID = 0xnnnn nnnn</p>		
1.2		<i>TM Checks</i>		□
		<p>Check Telemetry, for comparison later</p> <p style="text-align: center;">TM2N SMT1N500</p>		AND=SA_7_559
		<p>Check Telemetry, for comparison later</p> <p style="text-align: center;">THSK SM00T500</p>		AND=SA_7_559
		<p>Check telemetry, for comparison later</p> <p style="text-align: center;">MODE SM00M500</p>		AND=SA_7_559
2		<i>Enable VC1</i>		Next Step: 3
		<p>This proceddure produces VC1. Therefore</p> <p>a) wait until the store 2 dump has completed and b) enable VC1</p>		
		<p>Execute Sequence</p> <p>HFD1013A Enable VC1 RT v11 Sequence Grouping = -</p> <p><i>SSID : 0</i></p>		SEQ
3		<i>Set procedure conditions</i>		Next Step: 4

Lifeboat SpireEngREDYtoPHOT_STBY
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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SET_OBS_STEP SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 370 Det. descr. : SET OBSERVATION STEP	SC003500 0 <hex>	
	ET=+ UT=+00.00.01	SET_BBID SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID SP01N500 Subsch. ID : 370 Det. descr. : SET BUILDING BLOCK IDENTIFIER	SC001500 80020001 <hex>	
	ET=+ UT=+00.00.01	RESET_DRCU_COUNTERS RESET_DRCU_COUNTERS TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 370 Det. descr. : RESET DRCU COUNTERS	SCD00505	
		Verify that the TRESET parameter has the same value as the THSK parameter TRESET SM01T500	same as THSK	AND=SA_1_559
		THSK SM00T500	any	AND=SA_1_559
		Note that a TM(5,1) packet [New_Step_Report] is generated after each of the following SET_OBS_STEP telecommands		
	ET=+ UT=+00.00.01	SET_OBS_STEP SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 370 Det. descr. : SET OBSERVATION STEP	SC003500 0 <hex>	
	ET=+ UT=+00.00.01	SET_OBSID SET_OBSID Command Parameter(s) : OBSERVATION_ID SP00N500 Subsch. ID : 370 Det. descr. : SET OBSERVATION IDENTIFIER	SC000500 OBS_ID	

Lifeboat SpireEngREDYtoPHOT_STBY
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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Verify Telemetry OBSID SM10N500	OBS_ID	AND=SA_1_559
	ET=+ UT=+00.00.01	SET_OBS_STEP SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 TC Control Flags : GBM IL DSE --Y -- -- Subsch. ID : 370 Det. descr. : SET OBSERVATION STEP	SC003500 1 <hex>	
	ET=+ UT=+00.00.01	SET_BBID SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID SP01N500 Subsch. ID : 370 Det. descr. : SET BUILDING BLOCK IDENTIFIER	SC001500 86400001 <hex>	
4		Define New Housekeeping Report		Next Step: 5
	ET=+ UT=+00.00.01	DEFINE_NEW_HK_REPORT DEFINE_NEW_HK_REPORT Command Parameter(s) : HKPCKTID_DEFINENEWHK SPR0N500 HKSID_DEFINENEWHK SPR1N500 HKINTERVAL_DEFINENEWHK SPR2N500 HKREPEAT_DEFINENEWHK SPR3N500 TABLEID_DEFINENEWHK SPR4N500 Subsch. ID : 370 Det. descr. : DEFINE NEW HOUSEKEEPING PARAMETER REPORT	SCR00500 301 <hex> 301 <hex> 3e8 <hex> 1 <hex> 1 <hex>	
5		Table Reports and Memory Checks		Next Step: 6
	ET=+ UT=+00.00.02	SET_BBID SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID SP01N500 Subsch. ID : 370 Det. descr. : SET BUILDING BLOCK IDENTIFIER	SC001500 b6f90001 <hex>	

Lifeboat SpireEngREDYtoPHOT_STBY
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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 0 <hex> 0 <hex> 0 <hex>	
	ET=+ UT=+00.00.02	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 1 <hex> 0 <hex> 0 <hex>	
	ET=+ UT=+00.00.04	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 5 <hex> 0 <hex> 0 <hex>	
	ET=+ UT=+00.00.06	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 a <hex> 0 <hex> 0 <hex>	
	ET=+ UT=+00.00.02	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 32 <hex> 0 <hex> 0 <hex>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 33 <hex> 0 <hex> 0 <hex>	
	ET=+ UT=+00.00.02	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 34 <hex> 0 <hex> 0 <hex>	
	ET=+ UT=+00.00.02	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 35 <hex> 0 <hex> 0 <hex>	
	ET=+ UT=+00.00.02	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 36 <hex> 0 <hex> 0 <hex>	
	ET=+ UT=+00.00.02	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 37 <hex> 0 <hex> 0 <hex>	

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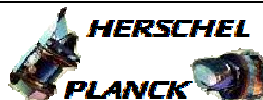
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 38 <hex> 0 <hex> 0 <hex>	
	ET=+ UT=+00.00.02	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 39 <hex> 0 <hex> 0 <hex>	
	ET=+ UT=+00.00.02	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 3c <hex> 0 <hex> 0 <hex>	
	ET=+ UT=+00.00.04	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 3d <hex> 0 <hex> 1b <hex>	
	ET=+ UT=+00.00.02	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 46 <hex> 0 <hex> 0 <hex>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.04	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 47 <hex> 0 <hex> 0 <hex>	
	ET=+ UT=+00.00.02	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 48 <hex> 0 <hex> 0 <hex>	
	ET=+ UT=+00.00.04	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 49 <hex> 0 <hex> 23 <hex>	
	ET=+ UT=+00.00.04	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 4a <hex> 0 <hex> 0 <hex>	
	ET=+ UT=+00.00.04	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 4b <hex> 0 <hex> 82 <hex>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 4b <hex> 84 <hex> 75 <hex>	
	ET=+ UT=+00.00.02	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 50 <hex> 0 <hex> 183 <hex>	
	ET=+ UT=+00.00.04	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 51 <hex> 0 <hex> 1b3 <hex>	
	ET=+ UT=+00.00.04	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 52 <hex> 0 <hex> 0 <hex>	
	ET=+ UT=+00.00.04	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 53 <hex> 0 <hex> 0 <hex>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.04	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 64 <hex> 0 <hex> 0 <hex>	
	ET=+ UT=+00.00.04	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 66 <hex> 0 <hex> 0 <hex>	
	ET=+ UT=+00.00.04	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 67 <hex> 0 <hex> 0 <hex>	
	ET=+ UT=+00.00.04	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 d4 <hex> 0 <hex> 0 <hex>	
	ET=+ UT=+00.00.04	REPORT_TABLE REPORT_TABLE Command Parameter(s) : TABLEID_REPTAB SPB2N500 INDEX_REPTAB SPB3N500 COUNT_REPTAB SPB4N500 Subsch. ID : 370 Det. descr. : REQUEST TM PACKETS REPORTING CONTENTS OF A TABLE	SCB01500 d5 <hex> 0 <hex> 0 <hex>	

Lifeboat SpireEngREDYtoPHOT_STBY
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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.04	CHECK_MEMORY CHECK_MEMORY Command Parameter(s) : MEMORYID_CHECKMEM SPM9N500 STARTADDR_CHECKMEM SPMAN500 NSAU_CHECKMEM SPMBN500 Subsch. ID : 370 Det. descr. : CHECK MEMORY USING ABSOLUTE ADDRESSES	SCM02500 Program Memory 4000 <hex> 174b <hex>	
	ET=+ UT=+00.00.02	CHECK_MEMORY CHECK_MEMORY Command Parameter(s) : MEMORYID_CHECKMEM SPM9N500 STARTADDR_CHECKMEM SPMAN500 NSAU_CHECKMEM SPMBN500 Subsch. ID : 370 Det. descr. : CHECK MEMORY USING ABSOLUTE ADDRESSES	SCM02500 Program Memory 6000 <hex> ffff <hex>	
	ET=+ UT=+00.00.02	CHECK_MEMORY CHECK_MEMORY Command Parameter(s) : MEMORYID_CHECKMEM SPM9N500 STARTADDR_CHECKMEM SPMAN500 NSAU_CHECKMEM SPMBN500 Subsch. ID : 370 Det. descr. : CHECK MEMORY USING ABSOLUTE ADDRESSES	SCM02500 Program Memory 15fff <hex> 59 <hex>	
6		Switch the BSM ON		Next Step: 7
		This step switches on the Beam Steering Mechanism		
		Verify Telemetry JIGGSENSPWR SMJ0W515	= 0 <hex>	AND=SA_6_559
		Verify Telemetry CHOPSENSPWR SMC0W515	= 0 <hex>	AND=SA_6_559
	ET=+ UT=+00.00.02	SET_BBID_RAW SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID SP01N500 TC Control Flags : GBM IL DSE --Y -- -- Subsch. ID : 370 Det. descr. : SET BUILDING BLOCK IDENTIFIER	SC001500 81000001 <hex>	

Lifeboat SpireEngREDYtoPHOT_STBY
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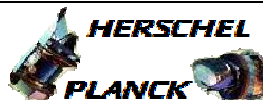
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SET_OBS_STEP_RAW SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 Subsch. ID : 370 Det. descr. : SET OBSERVATION STEP	SC003500 0 <hex>	
	ET=+ UT=+00.00.01	SET_OBS_MODE_RAW SET_OBS_MODE Command Parameter(s) : OBSERVING_MODE SP02N500 Subsch. ID : 370 Det. descr. : SET OBSERVING MODE	SC002500 201 <hex>	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90c00001 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 91400001 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90c20003 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 91420003 <hex> 0 <hex> (Def)	

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	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90cd092e <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 914d17d8 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90c60000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90c38000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 91438000 <hex> 0 <hex> (Def)	
		Verify Telemetry JIGGSENSPWR SMJ0W515	= ON	AND=SA_6_559
		Verify Telemetry CHOPSENSPWR SMC0W515	= ON	AND=SA_6_559
		Verify Telemetry MODE SM00M500	= BSM_ON	AND=SA_6_559

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		The activity of switching on the Beam Steering Mechanism is now complete. The BSM may now be initialiased.		
7		Initialise the BSM		Next Step: 8
		This step initialises the Beam Steering Mechanism. The BSM must already be on before proceeding.		
		Verify Telemetry		
		MODE SM00M500	= BSM_ON	AND=SA_6_559
	ET=+ UT=+00.00.01	SET_BBID_RAW Command Parameter(s) : BUILDING_BLOCK_ID TC Control Flags : Subsch. ID : 370 Det. descr. : SET BUILDING BLOCK IDENTIFIER	SET_BBID SP01N500 GBM IL DSE --Y -- ---	SC001500 810A0001 <hex>
	ET=+ UT=+00.00.01	SET_OBS_STEP_RAW Command Parameter(s) : OBSERVATION_STEP Subsch. ID : 370 Det. descr. : SET OBSERVATION STEP	SET_OBS_STEP SP03N500	SC003500 0 <hex>
	ET=+ UT=+00.00.01	SET_OBS_MODE_RAW Command Parameter(s) : OBSERVING_MODE Subsch. ID : 370 Det. descr. : SET OBSERVING MODE	SET_OBS_MODE SP02N500	SC002500 202 <hex>
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW Command Parameter(s) : DRCUCOMMAND OVERRIDE Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SEND_DRCU_COMMAND SPD4N505 SPD9N505	SCD06505 90c60000 <hex> 0 <hex> (Def)

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 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90c78f86 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90d98211 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90c910b6 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90c80064 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90ca0000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90cf1000 <hex> 0 <hex> (Def)	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90d1ffff <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90c39300 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90c20001 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90c60001 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SET_BBID_RAW SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID SP01N500 Subsch. ID : 370 Det. descr. : SET BUILDING BLOCK IDENTIFIER	SC001500 810e0001 <hex>	
	ET=+ UT=+00.00.01	SET_OBS_STEP_RAW SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 Subsch. ID : 370 Det. descr. : SET OBSERVATION STEP	SC003500 0 <hex>	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SET_OBS_MODE_RAW SET_OBS_MODE Command Parameter(s) : OBSERVING_MODE SP02N500 Subsch. ID : 370 Det. descr. : SET OBSERVING MODE	SC002500 202 <hex>	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90c60000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 91479946 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 91491b58 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 914805dc <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 914a01f4 <hex> 0 <hex> (Def)	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 914f1a0b <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 9151ffff <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 91439a60 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 91420001 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90c60001 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SET_BBID SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID SP01N500 Subsch. ID : 370 Det. descr. : SET BUILDING BLOCK IDENTIFIER	SC001500 86410001 <hex>	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 91c3ffff <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 91c20025 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 91c10000 <hex> 0 <hex> (Def)	
		Verify Telemetry MODE SM00M500	= BSM_INIT	AND=SA_6_559
		The Beam Steering Mechanism initialisation is now complete.		
8		Photometer Detectors Switch On This step will switch on the photometer.		Next Step: 9
		Verify Telemetry MODE SM00M500	= BSM_INIT	AND=SA_6_559
		Verify Telemetry PLIABITSTAT SM_0X520	= OFF	AND=SA_6_559
		Verify Telemetry PSWJFETSTAT SM20F510	= 0 <hex>	AND=SA_6_559
		Verify Telemetry PMLWJFETSTAT SM80F510	= 0 <hex>	AND=SA_6_559
		Verify Telemetry PSWJFET1V SM20V510	= 0.0 V	AND=SA_6_559
		Verify Telemetry PSWJFET2V SM21V510	= 0.0 V	AND=SA_6_559

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Verify Telemetry PSWJFET3V SM22V510	= 0.0 V	AND=SA_6_559
		Verify Telemetry PSWJFET4V SM23V510	= 0.0 V	AND=SA_6_559
		Verify Telemetry PSWJFET5V SM24V510	= 0.0 V	AND=SA_6_559
		Verify Telemetry PSWJFET6V SM25V510	= 0.0 V	AND=SA_6_559
		Verify Telemetry PMWJFET1V SM30V510	= 0.0 V	AND=SA_6_559
		Verify Telemetry PMWJFET2V SM31V510	= 0.0V	AND=SA_6_559
		Verify Telemetry PMWJFET3V SM32V510	= 0.0V	AND=SA_6_559
		Verify Telemetry PSWJFET4V SM23V510	= 0.0 V	AND=SA_6_559
		Verify Telemetry PLWJFET1V SM50V510	= 0.0 V	AND=SA_6_559
		Verify Telemetry PSWJFET2V SM21V510	= 0.0 V	AND=SA_6_559
		Verify Telemetry PLIAP5V SML0V510	= 0.0 V	AND=SA_7_559
		Verify Telemetry PLIAP9V SML1V510	= 0.0 V	AND=SA_7_559
		Verify Telemetry PLIAM9V SML2V510	= 0.0 V	AND=SA_7_559
	ET=+ UT=+00.00.01	SET_BBID_RAW SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID SP01N500 TC Control Flags : GBM IL DSE --Y -- -- Subsch. ID : 370 Det. descr. : SET BUILDING BLOCK IDENTIFIER	SC001500 85000001 <hex>	
	ET=+ UT=+00.00.01	SET_OBS_STEP_RAW SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 Subsch. ID : 370 Det. descr. : SET OBSERVATION STEP	SC003500 0 <hex>	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SET_OBS_MODE_RAW SET_OBS_MODE Command Parameter(s) : OBSERVING_MODE SP02N500 Subsch. ID : 370 Det. descr. : SET OBSERVING MODE	SC002500 203 <hex>	
	ET=+ UT=+00.00.01	SET_OBS_STEP_RAW SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 Subsch. ID : 370 Det. descr. : SET OBSERVATION STEP	SC003500 1 <hex>	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 a0870005 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 840000ff <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84190095 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84180006 <hex> 0 <hex> (Def)	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84010002 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84020002 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84030002 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84040002 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 841a007f <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 841b007f <hex> 0 <hex> (Def)	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 841c0082 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 841d0090 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843c0010 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843e0001 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.02	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843e0000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843c0018 <hex> 0 <hex> (Def)	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843e0001 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.03	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843e0000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	FLUSH_FIFO_RAW FLUSH_FIFO Command Parameter(s) : FIFOFLAGS SPD0N505 Subsch. ID : 370 Det. descr. : FORCE DPU TO READ SCIENCE DATA FROM FIFOS AND FLUSH CONTENTS	SCD01505 1000 <hex>	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843c0000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843d0000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843e0001 <hex> 0 <hex> (Def)	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.03	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8405004c <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84120001 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8406004c <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84120003 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8407004c <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84120007 <hex> 0 <hex> (Def)	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8408004c <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8412000f <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8409004c <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8412001f <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 840a004c <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8412003f <hex> 0 <hex> (Def)	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 840b004c <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84130001 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 840c004c <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84130003 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 840d004c <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84130007 <hex> 0 <hex> (Def)	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 840e004c <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8413000f <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 840f004c <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8413001f <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8410004c <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8413003f <hex> 0 <hex> (Def)	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8414004c <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8413007f <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.30	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8401002e <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84020032 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8403002d <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84040080 <hex> 0 <hex> (Def)	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843e0000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	FLUSH_FIFO_RAW FLUSH_FIFO Command Parameter(s) : FIFOFLAGS SPD0N505 Subsch. ID : 370 Det. descr. : FORCE DPU TO READ SCIENCE DATA FROM FIFOS AND FLUSH CONTENTS	SCD01505 1000 <hex>	
	ET=+ UT=+00.00.03	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843c0010 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843e0001 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.02	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843e0000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843c0018 <hex> 0 <hex> (Def)	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843e0001 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.03	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843e0000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	FLUSH_FIFO_RAW FLUSH_FIFO Command Parameter(s) : FIFOFLAGS SPD0N505 Subsch. ID : 370 Det. descr. : FORCE DPU TO READ SCIENCE DATA FROM FIFOS AND FLUSH CONTENTS	SCD01505 1000 <hex>	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843c0000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843d0000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843e0001 <hex> 0 <hex> (Def)	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.30	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84050052 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84060047 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8407003d <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8408004c <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84090057 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 840a0052 <hex> 0 <hex> (Def)	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 840b0057 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 840c0061 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 840d005c <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 840e0052 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 840f005c <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84100047 <hex> 0 <hex> (Def)	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84140038 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.10	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843e0000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	FLUSH_FIFO_RAW FLUSH_FIFO Command Parameter(s) : FIFOFLAGS SPD0N505 Subsch. ID : 370 Det. descr. : FORCE DPU TO READ SCIENCE DATA FROM FIFOS AND FLUSH CONTENTS	SCD01505 1000 <hex>	
	ET=+ UT=+00.00.04	SET_OBS_MODE_RAW SET_OBS_MODE Command Parameter(s) : OBSERVING_MODE SP02N500 Subsch. ID : 370 Det. descr. : SET OBSERVING MODE	SC002500 300 <hex>	
	ET=+ UT=+00.00.01	SET_OBS_STEP_RAW SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 Subsch. ID : 370 Det. descr. : SET OBSERVATION STEP	SC003500 0 <hex>	
		Verify Telemetry PLIABITSTAT SM_0X520	= ON	AND=SA_6_559
		Verify Telemetry is approx PLIAP5V SML0V510	= 5.0 V	AND=SA_7_559
		Verify Telemetry is approx PLIAP9V SML1V510	= 11.5 V	AND=SA_7_559
		Verify Telemetry is approx PLIAM9V SML2V510	= 11.5 V	AND=SA_7_559

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		The step to switch on the photometer detectors has now completed.		
9		Photometer to PHOT_STBY		Next Step: 10
		This step switches the photometer mode to PHOT_STBY.		
		Verify Telemetry PSWJFETSTAT SM20F510	= 3F <hex>	AND=SA_6_559
		Verify Telemetry PMLWJFETSTAT SM80F510	= 7F <hex>	AND=SA_6_559
		Verify Telemetry PSWJFET1V SM20V510	<= -1.0 V >= -3.0 V	AND=SA_6_559
		Verify Telemetry PSWJFET2V SM21V510	>= V <= -1.0 V	AND=SA_6_559
		Verify Telemetry is approx PSWJFET3V SM22V510	<= -1.0 V >= -3.0 V	AND=SA_6_559
		Verify Telemetry PSWJFET4V SM23V510	<= -1.0 V = -3.0 V	AND=SA_6_559
		Verify Telemetry PSWJFET5V SM24V510	<= -1.0 V >= -3.0 V	AND=SA_6_559
		Verify Telemetry PSWJFET6V SM25V510	<= -1.0 V >= -3.0 V	AND=SA_6_559
		Verify Telemetry PLWJFET1V SM50V510	<= -1.0 V >= -3.0 V	AND=SA_6_559
		Verify Telemetry PSWJFET2V SM21V510	<= -1.0 V >= -3.0 V	AND=SA_6_559
		Verify Telemetry PMWJFET1V SM30V510	<= -1.0 V >= -3.0 V	AND=SA_6_559
		Verify Telemetry PMWJFET2V SM31V510	<= -1.0 V >= -3.0 V	AND=SA_6_559
		Verify Telemetry PMWJFET3V SM32V510	<= -1.0 V >= -3.0 V	AND=SA_6_559

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.02	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 a0c60000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.02.02	SET_BBID SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID SP01N500 Subsch. ID : 370 Det. descr. : SET BUILDING BLOCK IDENTIFIER	SC001500 86430001 <hex>	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843e0000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843c0000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843d0000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843e0000 <hex> 0 <hex> (Def)	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SET_BBID SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID SPD01N500 Subsch. ID : 370 Det. descr. : SET BUILDING BLOCK IDENTIFIER	SC001500 b6ce0001 <hex>	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84190095 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84180006 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843c0000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 841a007f <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 841b007f <hex> 0 <hex> (Def)	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 841c0082 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 841d0090 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8401002e <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84020032 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8403002d <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84040080 <hex> 0 <hex> (Def)	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 91c20253 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 a0830000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843d0000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SET_BBID_RAW SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID SP01N500 Subsch. ID : 370 Det. descr. : SET BUILDING BLOCK IDENTIFIER	SC001500 a8010001 <hex>	
	ET=+ UT=+00.00.01	SET_OBS_STEP_RAW SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 Subsch. ID : 370 Det. descr. : SET OBSERVATION STEP	SC003500 0 <hex>	
	ET=+ UT=+00.00.01	RESET_DRCU_COUNTERS_RAW RESET_DRCU_COUNTERS Subsch. ID : 370 Det. descr. : RESET DRCU COUNTERS	SCD00505	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84180006 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843c0000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 841a007f <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 841b007f <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 841c0082 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 841d0090 <hex> 0 <hex> (Def)	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8401002e <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84020032 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 8403002d <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 84040080 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 91c20025 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 a0830000 <hex> 0 <hex> (Def)	

Lifeboat SpireEngREDYtoPHOT_STBY
 File: H_CRP_SPI_R2PH.xls
 Author: R. Biggins



Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND_RAW SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 843d0000 <hex> 0 <hex> (Def)	
		Verify Telemetry MODE SM00M500	= PHOTSTBY	AND=SA_6_559
10		Set default end conditions		Next Step: 11
		Note that a TM(5,1) packet [New_Step_Report] is generated after each of the following SET_OBS_STEP telecommands		
	ET=+ UT=+00.00.01	SET_OBS_STEP SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 370 Det. descr. : SET OBSERVATION STEP	SC003500 0 <hex>	
	ET=+ UT=+00.00.01	SET_BBID SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID SP01N500 Subsch. ID : 370 Det. descr. : SET BUILDING BLOCK IDENTIFIER	SC001500 80030001 <hex>	
	ET=+ UT=+00.00.01	SET_OBS_STEP SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 Subsch. ID : 370 Det. descr. : SET OBSERVATION STEP	SC003500 1 <hex>	
	ET=+ UT=+00.00.01	SET_OBSID SET_OBSID Command Parameter(s) : OBSERVATION_ID SP00N500 Subsch. ID : 370 Det. descr. : SET OBSERVATION IDENTIFIER	SC000500 00000000 <hex>	

Lifeboat SpireEngREDYtoPHOT_STBY
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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SET_OBS_STEP SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 Subsch. ID : 370 Det. descr. : SET OBSERVATION STEP	SC003500 0 <hex>	
	ET=+ UT=+00.00.01	SET_BBID SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID SP01N500 Subsch. ID : 370 Det. descr. : SET BUILDING BLOCK IDENTIFIER	SC001500 80000000 <hex>	
	ET=+ UT=+00.00.01	SET_BBID SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID SP01N500 Subsch. ID : 370 Det. descr. : SET BUILDING BLOCK IDENTIFIER	SC001500 50000000 <hex>	
11		Disable VC1		Next Step: END
		At the end of this procedure the VC1 should be disabled.		
		Execute Sequence HFD1013B Disable VC1 RT v11 Sequence Grouping = - SSID : 0		SEQ
End of Procedure				