

SPIRE-FUNC-SMEC-LVDT-INIT-P Initialise LVDT mode (PRIME)
 File: H_COP_SPI_LINP.xls
 Author: L.Lucas-hp



Procedure Summary

Objectives

This procedure will initialise SMEC in LVDT mode (PRIME).

Based on procedure: SPIRE-FUNC-SMEC-LVDT-INIT-P
 Name:Mode_SMECFuncLVDT
 Version number:1
 Generated:05/06/2009

Summary of Constraints

Ensure that SPIRE-CP-FUNC-SMEC-01-LVDT/ H_COP_SPI_LSCP has been run before continuing.

Spacecraft Configuration

Start of Procedure

End of Procedure

Reference File(s)

Input Command Sequences

Output Command Sequences

HCSLINP
 HCSLINPB
 HCSLINPC
 HCSLINPD
 HCSLINPE
 HCSLINPF
 HCSLINPG
 HCSLINPH
 HCSLINPJ
 HCSLINPQ

Referenced Displays

ANDs GRDs SLDs
 SAS0_559
 ZAZ90999
 SA_1_559

Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
19/04/09	2.3	1	Created	L.Lucas-hp	
04/05/09	2.4	2	Remove ET	L.Lucas-hp	

Status : Version 3 - Unchanged
 Last Checkin: 06/06/09

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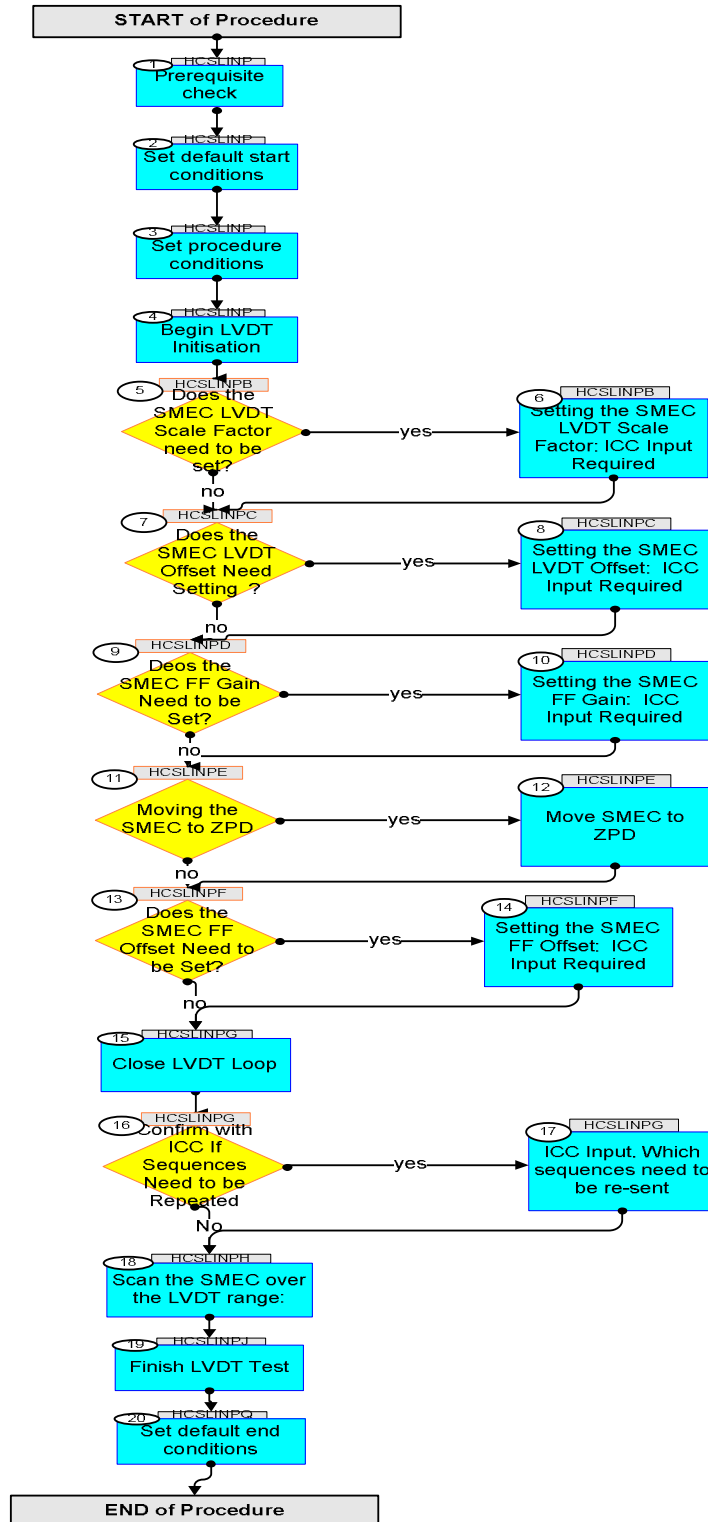


06/06/09	2.5	3	Updates from SPIRE -addition of three TCs to set the SMEC Kp, Ki and Kd parameters	L.Lucas-hp	
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Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
Beginning of Procedure				
TC Seq. Name : HCSLINP (Init LVDT mode Prime)				
TimeTag Type: Y Sub Schedule ID: <input type="checkbox"/>				
1		Prerequisite check		Next Step: 2
1.1		HSC/ICC input		<input type="checkbox"/>
		Verify that the HSC has supplied a valid OBSID value: OBS_ID = 0xnnnn nnnn		
1.2		TM Checks		<input type="checkbox"/>
		Check the LVDT oscillator is ON (1). Verify Telemetry SMECLVDTPWR SMS1W515	= 1 <hex>	AND=SAS0_559
2		Set default start conditions		Next Step: 3
		Note that a TM(5,1) packet [New_Step_Report] is generated after each of the following SET_OBS_STEP telecommands		
	ET=+ UT=+00.00.00	SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP Subsch. ID : 370 Det. descr. : SET OBSERVATION STEP	SET_OBS_STEP SP03N500 0 <hex>	SC003500
	ET=+ UT=+00.00.01	SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID Subsch. ID : 370 Det. descr. : SET BUILDING BLOCK IDENTIFIER	SET_BBID SP01N500 80010001 <hex>	SC001500
		Verify Telemetry BBFULLTYPE SM2LN500	= ClearObs	AND=ZAZ90999

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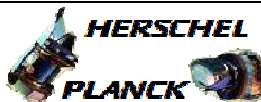
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.00	SET_OBS_STEP SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 Subsch. ID : 370 Det. descr. : SET OBSERVATION STEP	SC003500 1 <hex>	
	ET=+ UT=+00.00.01	SET_OBSID SET_OBSID Command Parameter(s) : OBSERVATION_ID SP00N500 Subsch. ID : 370 Det. descr. : SET OBSERVATION IDENTIFIER	SC000500 00000000 <hex>	
		Verify Telemetry OBSID SM10N500	= 00000000 <hex>	AND=ZAZ90999
	ET=+ UT=+00.00.00	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>	
		Verify Telemetry BBFULLTYPE SM2LN500	= Null	AND=ZAZ90999
	ET=+ UT=+00.00.00	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 80020001 <hex>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Verify Telemetry BBFULLTYPE SM2LN500	= StartObs	AND=ZAZ90999
3		<i>Set procedure conditions</i>		Next Step: 4
	ET=+ UT=+00.00.00	RESET_DRCU_COUNTERS RESET_DRCU_COUNTERS 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=ZAZ90999
		THSK SM00T500	any	AND=ZAZ90999
		Note that a TM(5,1) packet [New_Step_Report] is generated after each of the following SET_OBS_STEP telecommands		
	ET=+ UT=+00.00.00	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 OBS_ID	
		Verify Telemetry OBSID SM10N500	OBS_ID	AND=ZAZ90999
	ET=+ UT=+00.00.00	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>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Verify Telemetry BBFULLTYPE SM2LN500	= Null	AND=ZAZ90999
	ET=+ UT=+00.00.00	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 89060001 <hex>	
		Verify Telemetry BBFULLTYPE SM2LN500	= StartMCUdata	AND=ZAZ90999
4		Begin LVDT Initiation		Next Step: 5
		Confirm with ICC to send next block of commands.		
		Check the LVDT oscillator is ON (1). Verify Telemetry SMECLVDT PWR SMS1W515	= 1 <hex>	AND=SAS0_559
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --Y -- -- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 91C20000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.00	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- -- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 91c00000 <hex> 0 <hex> (Def)	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 91c40000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.00	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 91c50000 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 91c4000a <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.00	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 91c3ffff <hex> 0 <hex> (Def)	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- -- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 91c10001 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.01	SET_OBS_STEP SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP SP03N500 TC Control Flags : GBM IL DSE --- -- -- Subsch. ID : 370 Det. descr. : SET OBSERVATION STEP	SC003500 0 <hex>	
	ET=+ UT=+00.00.00	SET_BBID SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID SP01N500 TC Control Flags : GBM IL DSE --- -- -- Subsch. ID : 370 Det. descr. : SET BUILDING BLOCK IDENTIFIER	SC001500 80000000 <hex>	
<p>TC Seq. Name : HCSLINPB (Set SMEC LVDT ScaleF)</p> <p>TimeTag Type: B Sub Schedule ID:</p> <p style="text-align: center;">□</p>				
5		Does the SMEC LVDT Scale Factor need to be set?		Next Step: yes 6 no 7
		Check with the ICC		
6		Setting the SMEC LVDT Scale Factor: ICC Input Required		Next Step: 7

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		<p>The TC to be executed will be SCD06505 - SEND_DRCU_COMMAND(DRCUCOMMAND=0x905f<nnnn>,OVERRIDE=0)</p> <p>The value <nnnn> for the DRCUCOMMAND TC parameter will be supplied by the Instrument Team</p>		
6.1		<p>Command SMEC LVDT Scale Factor</p> <p>When instructed, and supplied with the nnn value described, send the following command.</p>		<input type="checkbox"/>
	ET=+ UT=+00.00.01	<p>SEND_DRCU_COMMAND</p> <p style="text-align: center;">SEND_DRCU_COMMAND</p> <p>Command Parameter(s) :</p> <p style="padding-left: 40px;">DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505</p> <p>TC Control Flags :</p> <p style="padding-left: 120px;">GBM IL DSE --Y -- ---</p> <p>Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU</p>	<p>SCD06505</p> <p>905F2AF8 <hex> 0 <hex> (Def)</p>	
<p>TC Seq. Name : HCSLINPC (LVDT Offset)</p> <p>TimeTag Type: B Sub Schedule ID:</p> <p style="text-align: center;"><input type="checkbox"/></p>				
7		Does the SMEC LVDT Offset Need Setting ?		Next Step: yes 8 no 9
		Check with the ICC:		
8		Setting the SMEC LVDT Offset: ICC Input Required		Next Step: 9
		<p>The TC to be executed will be SCD06505 - SEND_DRCU_COMMAND(DRCUCOMMAND=0x905e<nnnn>,OVERRIDE=0)</p> <p>The value <nnnn> for the DRCUCOMMAND TC parameter will be supplied by the Instrument Team</p>		
8.1		<p>Command the SMEC LVDT Offset</p> <p>When instructed, and supplied with the nnn value described, send the following command.</p>		<input type="checkbox"/>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.05	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --Y -- -- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 905E1E94 <hex> 0 <hex> (Def)	
TC Seq. Name : HCSLINPD (Set FF Gain)				
TimeTag Type: B Sub Schedule ID: <input type="checkbox"/>				
9		Deos the SMEC FF Gain Need to be Set?		Next Step: yes 10 no 11
		Check with the ICC:		
10		Setting the SMEC FF Gain: ICC Input Required		Next Step: 11
		The TC to be executed will be SCD06505 - SEND_DRCU_COMMAND(DRCUCOMMAND=0x9054<nnnn>,OVERRIDE=0) The value <nnnn> for the DRCUCOMMAND TC parameter will be supplied by the Instrument Team		
10.1		Command the SMEC FF Gain		<input type="checkbox"/>
		When instructed, and supplied with the nnn value described, send the following command.		
	ET=+ UT=+00.00.05	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --Y -- -- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90542EA5 <hex> 0 <hex> (Def)	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
<i>TC Seq. Name : HCSLINPE (Move SMEC 2 ZPD)</i> <i>TimeTag Type: B</i> <i>Sub Schedule ID:</i> <input type="checkbox"/>				
11		Moving the SMEC to ZPD		Next Step: yes 12 no 13
		Check with ICC if/when to move the SMEC to the ZPD		
12		Move SMEC to ZPD		Next Step: 13
12.1		Set scan mode to 1		<input type="checkbox"/>
	ET=+ UT=+00.00.20	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90490001 <hex> 0 <hex> (Def)	
		Verify Telemetry SCANMODE SMS2M515	= 1 <hex>	AND=SAS0_559
12.2		Command SMEC to ZPD		<input type="checkbox"/>
		Check with ICC before sending the next command		
	ET=+ UT=+00.00.02	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90451F40 <hex> 0 <hex> (Def)	
		Verify Telemetry SCANEND SMS1P515	= 8.0 mm	AND=SAS0_559

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
<i>TC Seq. Name : HCSLINPF (Set FF Offset)</i> <i>TimeTag Type: B</i> <i>Sub Schedule ID:</i> <input type="checkbox"/>				
13		Does the SMEC FF Offset Need to be Set?		Next Step: no 15 yes 14
		Check with ICC		
14		Setting the SMEC FF Offset: ICC Input Required		Next Step: 15
		The TC to be executed will be SCD06505 - SEND_DRCU_COMMAND(DRCUCOMMAND=0x9055<nnnn>,OVERRIDE=0) The value <nnnn> for the DRCUCOMMAND TC parameter will be supplied by the Instrument Team		
14.1		Set the SMEC FF Offset		<input type="checkbox"/>
		When instructed, and supplied with the nnn value described, send the following command.		
		Verify Telemetry VM1STAT SMV1N500	0xFFFF	AND=SA_1_559
		This sequence may need to be resent. Await instruction from ICC		
	ET=+ UT=+00.00.22	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90557df1 <hex> 0 <hex> (Def)	
		Wait for instructions from the Instrument Team ...		
		Setting the SMEC Kp, Ki and Kd Parameters		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.30	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --Y -- -- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 904A07D0 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.02	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- -- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 904d03e8 <hex> 0 <hex> (Def)	
	ET=+ UT=+00.00.02	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- -- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 904b07d0 <hex> 0 <hex> (Def)	
TC Seq. Name : HCSSLINPG (Close LVDT Loop)				
TimeTag Type: B Sub Schedule ID: □				
15		Close LVDT Loop		Next Step: 16
15.1		Close LDVT Loop		□
		Check with the Instrument Team before sending the next TC to close the loop on the LVDT		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.30	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90440004 <hex> 0 <hex> (Def)	
		Verify Telemetry SMECLOOPMODE SMS1M515	= 4 <hex>	AND=SAS0_559
16		Confirm with ICC If Sequences Need to be Repeated		Next Step: yes 17 No 18
		Confirm with the Instrument Team Do any sequences need to be re-sent?		
17		ICC Input. Which sequences need to be re-sent		Next Step: 18
		Confirm with ICC which sequences need to be re-sent. Re-send the sequences as required and then continue.. Note new paramter values may also be needed.		
<p>TC Seq. Name :HCSLINPH (SMEC Scan LVDT Range)</p> <p>TimeTag Type: B Sub Schedule ID: <input type="checkbox"/></p>				
18		Scan the SMEC over the LVDT range:		Next Step: 19
18.1		Set the Scan end position to 4.6mm		<input type="checkbox"/>

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	ET=+ UT=+00.00.00	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 904511F8 <hex> 0 <hex> (Def)	
		Verify Telemetry is as commanded SCANEND SMS1P515	= 4.6 mm	AND=SAS0_559
18.2		Stop the SMEC trajectory generation		<input type="checkbox"/>
	ET=+ UT=+00.00.30	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90490000 <hex> 0 <hex> (Def)	
18.3		Set the Scan start and end positions to 4.6mm and 11.4mm		<input type="checkbox"/>
	ET=+ UT=+00.00.02	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90452C88 <hex> 0 <hex> (Def)	

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	ET=+ UT=+00.00.02	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --- -- --- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 904611f8 <hex> 0 <hex> (Def)	
		Verify Telemetry SCANSTART SMS0P515	= 4.6 mm	AND=SAS0_559
		Verify Telemetry SCANEND SMS1P515	= 11.4 mm	AND=SAS0_559
18.4		Confirm with the Instrument Team: Set the number of scans to 4		<input type="checkbox"/>
	ET=+ UT=+00.00.02	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90480004 <hex> 0 <hex> (Def)	
		Verify Telemetry SCANS SMS0N515	= 4 <dec>	AND=SAS0_559
18.5		Set Scan Mode		<input type="checkbox"/>
	ET=+ UT=+00.00.02	SEND_DRCU_COMMAND SEND_DRCU_COMMAND Command Parameter(s) : DRCUCOMMAND SPD4N505 OVERRIDE SPD9N505 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 370 Det. descr. : SEND A SINGLE COMMAND TO THE DRCU	SCD06505 90490002 <hex> 0 <hex> (Def)	
		Verify Telemetry SCANMODE SMS2M515	= 2 <hex>	AND=SAS0_559

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	
	ET=+ UT=+00.00.01	SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID Subsch. ID : 370 Det. descr. : SET BUILDING BLOCK IDENTIFIER	SET_BBID SP01N500 80030001 <hex>	SC001500	
		Verify Telemetry BBFULLTYPE	SM2LN500	= EndObs	AND=ZAZ90999
	ET=+ UT=+00.00.00	SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP Subsch. ID : 370 Det. descr. : SET OBSERVATION STEP	SET_OBS_STEP SP03N500 1 <hex>	SC003500	
	ET=+ UT=+00.00.01	SET_OBSID Command Parameter(s) : OBSERVATION_ID Subsch. ID : 370 Det. descr. : SET OBSERVATION IDENTIFIER	SET_OBSID SP00N500 00000000 <hex>	SC000500	
		Verify Telemetry OBSID	SM10N500	= 00000000 <hex>	AND=ZAZ90999
	ET=+ UT=+00.00.00	SET_OBS_STEP Command Parameter(s) : OBSERVATION_STEP Subsch. ID : 370 Det. descr. : SET OBSERVATION STEP	SET_OBS_STEP SP03N500 0 <hex>	SC003500	
	ET=+ UT=+00.00.01	SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID Subsch. ID : 370 Det. descr. : SET BUILDING BLOCK IDENTIFIER	SET_BBID SP01N500 80000000 <hex>	SC001500	
		Verify Telemetry BBFULLTYPE	SM2LN500	= Null	AND=ZAZ90999
End of Procedure					