

PACS_Spec_Gra_Ampl_Loop_OBS
 File: H_COP_PAC_G102.xls
 Author: R. Biggins



Procedure Summary

Objectives

The objective of this procedure is to configure and home the grating, and then perform a loop over 5 inductosyn amplitudes, with a few movements in each loop (Using 1kHz Diagnostic HK)

Based on procedure:
 PACS_Spec_Gra_Ampl_Loop_OBS_1KHZ (v1 dated 15.04.2009)

Summary of Constraints

This test MUST happen with a rate of 4 deg/sec (The delays are too short for 1 deg/sec)

RT Science must be enabled to receive the Diagnostic HK packets

Spacecraft Configuration

Start of Procedure

PACS in NO_PRIME (SAFE) mode

End of Procedure

PACS in NO_PRIME (SAFE) mode
 - PACS is generating Spectroscopy HK

Reference File(s)

Input Command Sequences

Output Command Sequences

HCPG102X
 HCPG102Y

Referenced Displays

ANDs **GRDs** **SLDs**
 ZAZ98999

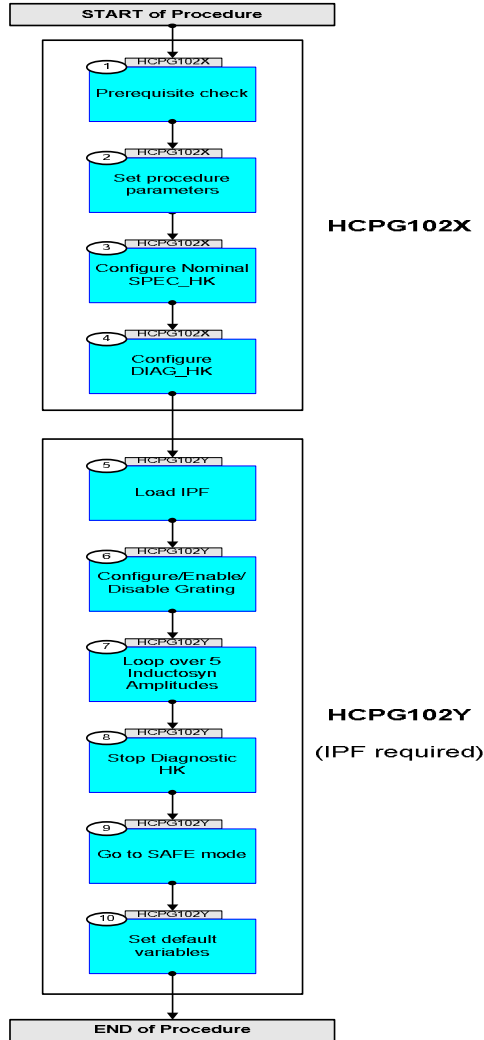
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
17/04/09	2.3	1	Created	R. Biggins	
28/04/09	2.4	2	Update due to problems in IPF - ET times removed	R. Biggins	

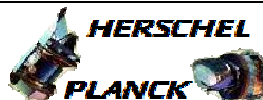
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Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
Beginning of Procedure				
TC Seq. Name :HCPG102X (Frequency Analysis)				
TimeTag Type: B 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		
		Verify: the following IPF file has been generated and can be called from the Manual Stack (where vvvv is the latest version number): HCPG102Y_GRATFREQ_vvvv.IPF		
2		Set procedure parameters		Next Step: 3
	ET=+ UT=+00.00.00	DMC_SET_OBSID Command Parameter(s) : OBSERVATION_ID PP069420 TC Control Flags : Subsch. ID : 90 Det. descr. : SET OBSID IN DMC	DMC_SET_OBSID PC078420 OBS_ID	
3		Configure Nominal SPEC_HK		Next Step: 4
	ET=+ UT=+00.00.01	DPU_SET_HK_LIST Command Parameter(s) : HK_PACKET_ID PP005380 SPU_ARRAY PP025380 Subsch. ID : 90 Det. descr. : SET THE PREDIFINED LIST OF HK VALUES FOR THE HK PACKET	DPU_SET_HK_LIST PC003380 SPEC BOTH Array	
		Verify Telemetry DP_TM_RATE PM049380	= SPEC	AND=ZAZ98999

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
4		Configure DIAG_HK		Next Step: 5
	ET=+ UT=+00.00.01	DMC_SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID PP070420 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 90 Det. descr. : SET BBID IN DMC	PC079420 409D0001 <hex>	
	ET=+ UT=+00.00.01	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_CHECKSUM PP066420 Subsch. ID : 90 Det. descr. : WRITE THE LIST OF DIAGNOSTIC HK INTO DMC MEMORY	PC160420 4 <dec> FA <hex> FB <hex> 1C4 <hex> FFFF <hex> CDF9 <hex>	
	ET=+ UT=+00.00.01	DMC_START_DIAG_HK Command Parameter(s) : DIAG_HK_PERIOD PP076420 Subsch. ID : 90 Det. descr. : START THE ACQUISITION OF THE DIAGNOSTIC HK	PC146420 0 <dec>	
		NOTE: The verification of the generation of the TM(21,3) diagnostic packets cannot be done on the MCS, but can be seen on the NCTRS (VC7)		
TC Seq. Name :HCPG102Y (Frequency Analysis)				
TimeTag Type: Y Sub Schedule ID: □				
5		Load IPF		Next Step: 6
		Load the following IPF (TPF) file into the Manual Stack (where vvvv is the latest version number): HCPG101Y_GRATAMPL_vvvv.IPF		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch																														
6		Configure/Enable/Disable Grating		Next Step: 7																														
	ET=+ UT=+00.00.01	<p>DMC_WRT_GRAT_CONF_PAR</p> <p style="text-align: right;">DMC_WRT_GRAT_CONF_PAR</p> <p>Command Parameter(s) :</p> <table border="0"> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>1</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>2</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>3</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>4</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>5</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>6</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>7</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>8</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>9</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP066420</td><td>10</td></tr> </table> <p>TC Control Flags :</p> <p style="text-align: right;">GBM IL DSE --Y -- --</p> <p>Subsch. ID : 90 Det. descr. : WRITE THE PARAMETERS TO CONFIGURE THE GRATING SERVO LOOP</p>	DMC_4_BYTES_WORDS_DATA	PP067420	1	DMC_4_BYTES_WORDS_DATA	PP067420	2	DMC_4_BYTES_WORDS_DATA	PP067420	3	DMC_4_BYTES_WORDS_DATA	PP067420	4	DMC_4_BYTES_WORDS_DATA	PP067420	5	DMC_4_BYTES_WORDS_DATA	PP067420	6	DMC_4_BYTES_WORDS_DATA	PP067420	7	DMC_4_BYTES_WORDS_DATA	PP067420	8	DMC_4_BYTES_WORDS_DATA	PP067420	9	DMC_4_BYTES_WORDS_DATA	PP066420	10	PC162420	
DMC_4_BYTES_WORDS_DATA	PP067420	1																																
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DMC_4_BYTES_WORDS_DATA	PP067420	9																																
DMC_4_BYTES_WORDS_DATA	PP066420	10																																
	ET=+ UT=+00.00.00	<p>DMC_WRT_GRAT_CONF_FILT</p> <p style="text-align: right;">DMC_WRT_GRAT_CONF_FILT</p> <p>Command Parameter(s) :</p> <table border="0"> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>11</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>12</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>13</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>14</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>15</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP066420</td><td>16</td></tr> </table> <p>Subsch. ID : 90 Det. descr. : WRITE THE PARAMETERS OF THE GRATING CONTROLLER FILTER</p>	DMC_4_BYTES_WORDS_DATA	PP067420	11	DMC_4_BYTES_WORDS_DATA	PP067420	12	DMC_4_BYTES_WORDS_DATA	PP067420	13	DMC_4_BYTES_WORDS_DATA	PP067420	14	DMC_4_BYTES_WORDS_DATA	PP067420	15	DMC_4_BYTES_WORDS_DATA	PP066420	16	PC378420													
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DMC_4_BYTES_WORDS_DATA	PP067420	15																																
DMC_4_BYTES_WORDS_DATA	PP066420	16																																
	ET=+ UT=+00.00.01	<p>DMC_WRT_GRAT_INDUC_AMPL</p> <p style="text-align: right;">DMC_WRT_GRAT_INDUC_AMPL</p> <p>Command Parameter(s) :</p> <table border="0"> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>17</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP066420</td><td>18</td></tr> </table> <p>Subsch. ID : 90 Det. descr. : WRITE THE AMPLITUDE OF THE INDUCTOSYN EXCITATION SIGNAL</p>	DMC_4_BYTES_WORDS_DATA	PP067420	17	DMC_4_BYTES_WORDS_DATA	PP066420	18	PC203420																									
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	ET=+ UT=+00.00.01	DMC_WRT_GRAT_HALLOFFSET DMC_WRT_GRAT_HALLOFFSET Command Parameter(s) : DMC_4_BYTES_WORDS_DATA PP067420 DMC_CHECKSUM PP066420 Subsch. ID : 90 Det. descr. : WRITE THE OFFSET OF THE HALL SENSORS OF THE GRATING	PC368420 19 20	
	ET=+ UT=+00.00.01	DMC_WRT_GRAT_RANGE DMC_WRT_GRAT_RANGE Command Parameter(s) : DMC_4_BYTES_WORDS_DATA PP067420 DMC_CHECKSUM PP066420 Subsch. ID : 90 Det. descr. : WRITE THE NUMBER OF ENCODER STEPS OF THE HARDSTOPS	PC204420 21 22	
	ET=+ UT=+00.03.01	DMC_SWON_GRAT_CONT DMC_SWON_GRAT_CONT Subsch. ID : 90 Det. descr. : SWITCH ON GRATING CONTROLLER	PC108420	
	ET=+ UT=+00.00.01	DMC_ENABLE_GRAT_CONT DMC_ENABLE_GRAT_CONT Subsch. ID : 90 Det. descr. : ENABLE GRATING CONTROLLER	PC110420	
	ET=+ UT=+00.00.01	DMC_HOME_GRAT DMC_HOME_GRAT Command Parameter(s) : HOMING_MODE PP077420 Subsch. ID : 90 Det. descr. : MOVE GRATING TO THE HOME POSITION	PC114420 NEGATIVE	
	ET=+ UT=+00.01.10	DMC_WRT_GRAT_CONF_PAR DMC_WRT_GRAT_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_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 GRATING SERVO LOOP	PC162420 23 24 25 26 27 28 29 30 31 32	

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	ET=+ UT=+00.00.00	DMC_WRT_GRAT_CONF_FILT DMC_WRT_GRAT_CONF_FILT 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_CHECKSUM PP066420 Subsch. ID : 90 Det. descr. : WRITE THE PARAMETERS OF THE GRATING CONTROLLER FILTER	PC378420 33 34 35 36 37 38	
7		Loop over 5 Inductosyn Amplitudes		Next Step: 8
	ET=+ UT=+00.00.02	DMC_DISABLE_GRAT_CONT DMC_DISABLE_GRAT_CONT Subsch. ID : 90 Det. descr. : DISABLE GRATING CONTROLLER	PC111420	
	ET=+ UT=+00.00.02	DMC_WRT_GRAT_INDUC_AMPL DMC_WRT_GRAT_INDUC_AMPL Command Parameter(s) : DMC_4_BYTES_WORDS_DATA PP067420 DMC_CHECKSUM PP066420 Subsch. ID : 90 Det. descr. : WRITE THE AMPLITUDE OF THE INDUCTOSYN EXCITATION SIGNAL	PC203420 39 40	
	ET=+ UT=+00.03.00	DMC_ENABLE_GRAT_CONT DMC_ENABLE_GRAT_CONT Subsch. ID : 90 Det. descr. : ENABLE GRATING CONTROLLER	PC110420	
	ET=+ UT=+00.00.10	DMC_MOVE_GRAT_ABS_RAW DMC_MOVE_GRAT_ABS Command Parameter(s) : SET_POINT PP079420 Subsch. ID : 90 Det. descr. : MOVE GRATING TO AN ABSOLUTE POSITION	PC112420 500000 <dec>	
	ET=+ UT=+00.00.05	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -200000 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.04	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 400000 <dec>	
	ET=+ UT=+00.00.06	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
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	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -200000 <dec>	
	ET=+ UT=+00.00.04	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.16	DMC_DISABLE_GRAT_CONT DMC_DISABLE_GRAT_CONT Subsch. ID : 90 Det. descr. : DISABLE GRATING CONTROLLER	PC111420	
	ET=+ UT=+00.00.01	DMC_WRT_GRAT_INDUC_AMPL DMC_WRT_GRAT_INDUC_AMPL Command Parameter(s) : DMC_4_BYTES_WORDS_DATA PP067420 DMC_CHECKSUM PP066420 Subsch. ID : 90 Det. descr. : WRITE THE AMPLITUDE OF THE INDUCTOSYN EXCITATION SIGNAL	PC203420 41 42	
	ET=+ UT=+00.03.00	DMC_ENABLE_GRAT_CONT DMC_ENABLE_GRAT_CONT Subsch. ID : 90 Det. descr. : ENABLE GRATING CONTROLLER	PC110420	
	ET=+ UT=+00.00.10	DMC_MOVE_GRAT_ABS_RAW DMC_MOVE_GRAT_ABS Command Parameter(s) : SET_POINT PP079420 Subsch. ID : 90 Det. descr. : MOVE GRATING TO AN ABSOLUTE POSITION	PC112420 500000 <dec>	
	ET=+ UT=+00.00.05	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -200000 <dec>	

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	ET=+ UT=+00.00.04	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
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	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
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	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 400000 <dec>	
	ET=+ UT=+00.00.06	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -200000 <dec>	
	ET=+ UT=+00.00.04	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.16	DMC_DISABLE_GRAT_CONT DMC_DISABLE_GRAT_CONT Subsch. ID : 90 Det. descr. : DISABLE GRATING CONTROLLER	PC111420	
	ET=+ UT=+00.00.01	DMC_WRT_GRAT_INDUC_AMPL DMC_WRT_GRAT_INDUC_AMPL Command Parameter(s) : DMC_4_BYTES_WORDS_DATA PP067420 DMC_CHECKSUM PP066420 Subsch. ID : 90 Det. descr. : WRITE THE AMPLITUDE OF THE INDUCTOSYN EXCITATION SIGNAL	PC203420 43 44	
	ET=+ UT=+00.03.00	DMC_ENABLE_GRAT_CONT DMC_ENABLE_GRAT_CONT Subsch. ID : 90 Det. descr. : ENABLE GRATING CONTROLLER	PC110420	
	ET=+ UT=+00.00.10	DMC_MOVE_GRAT_ABS_RAW DMC_MOVE_GRAT_ABS Command Parameter(s) : SET_POINT PP079420 Subsch. ID : 90 Det. descr. : MOVE GRATING TO AN ABSOLUTE POSITION	PC112420 500000 <dec>	
	ET=+ UT=+00.00.05	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -200000 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.04	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 400000 <dec>	
	ET=+ UT=+00.00.06	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -200000 <dec>	
	ET=+ UT=+00.00.04	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.16	DMC_DISABLE_GRAT_CONT DMC_DISABLE_GRAT_CONT Subsch. ID : 90 Det. descr. : DISABLE GRATING CONTROLLER	PC111420	
	ET=+ UT=+00.00.01	DMC_WRT_GRAT_INDUC_AMPL DMC_WRT_GRAT_INDUC_AMPL Command Parameter(s) : DMC_4_BYTES_WORDS_DATA PP067420 DMC_CHECKSUM PP066420 Subsch. ID : 90 Det. descr. : WRITE THE AMPLITUDE OF THE INDUCTOSYN EXCITATION SIGNAL	PC203420 45 46	
	ET=+ UT=+00.03.00	DMC_ENABLE_GRAT_CONT DMC_ENABLE_GRAT_CONT Subsch. ID : 90 Det. descr. : ENABLE GRATING CONTROLLER	PC110420	
	ET=+ UT=+00.00.10	DMC_MOVE_GRAT_ABS_RAW DMC_MOVE_GRAT_ABS Command Parameter(s) : SET_POINT PP079420 Subsch. ID : 90 Det. descr. : MOVE GRATING TO AN ABSOLUTE POSITION	PC112420 500000 <dec>	
	ET=+ UT=+00.00.05	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -200000 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.04	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 400000 <dec>	
	ET=+ UT=+00.00.06	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -200000 <dec>	
	ET=+ UT=+00.00.04	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.16	DMC_DISABLE_GRAT_CONT DMC_DISABLE_GRAT_CONT Subsch. ID : 90 Det. descr. : DISABLE GRATING CONTROLLER	PC111420	
	ET=+ UT=+00.00.01	DMC_WRT_GRAT_INDUC_AMPL DMC_WRT_GRAT_INDUC_AMPL Command Parameter(s) : DMC_4_BYTES_WORDS_DATA PP067420 DMC_CHECKSUM PP066420 Subsch. ID : 90 Det. descr. : WRITE THE AMPLITUDE OF THE INDUCTOSYN EXCITATION SIGNAL	PC203420 47 48	
	ET=+ UT=+00.03.00	DMC_ENABLE_GRAT_CONT DMC_ENABLE_GRAT_CONT Subsch. ID : 90 Det. descr. : ENABLE GRATING CONTROLLER	PC110420	
	ET=+ UT=+00.00.10	DMC_MOVE_GRAT_ABS_RAW DMC_MOVE_GRAT_ABS Command Parameter(s) : SET_POINT PP079420 Subsch. ID : 90 Det. descr. : MOVE GRATING TO AN ABSOLUTE POSITION	PC112420 500000 <dec>	
	ET=+ UT=+00.00.05	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -200000 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.04	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 400000 <dec>	
	ET=+ UT=+00.00.06	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -200000 <dec>	
	ET=+ UT=+00.00.04	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW DMC_MOVE_GRAT_REL Command Parameter(s) : SET_POINT_INCREMENT PP078420 Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420 -117 <dec>	
	ET=+ UT=+00.00.16	DMC_DISABLE_GRAT_CONT DMC_DISABLE_GRAT_CONT Subsch. ID : 90 Det. descr. : DISABLE GRATING CONTROLLER	PC111420	
8		Stop Diagnostic HK		Next Step: 9
	ET=+ UT=+00.00.01	DMC_STOP_DIAG_HK DMC_STOP_DIAG_HK TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 90 Det. descr. : STOP THE ACQUISITION OF THE DIAGNOSTIC HK	PC147420	
		NOTE: The verification of the cessation of generation of the TM(21,3) diagnostic packets cannot be done on the MCS, but can be seen on the NCTRS (VC7)		
9		Go to SAFE mode		Next Step: 10
	ET=+ UT=+00.00.01	DMC_SET_BBID DMC_SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID PP070420 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 90 Det. descr. : SET BBID IN DMC	PC079420 40180001 <hex>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DPU_START_OBCP DPU_START_OBCP Command Parameter(s) : PROCEDURE_ID PP012380 NUMBER_OF_TIMES PP010380 Subsch. ID : 90 Det. descr. : START AN OBCP WITH THE COMMANDED PARAMETERS	PC012380 GO_SAFE_MODE 0 <dec>	
		Verify Telemetry DP_TM_RATE PM049380	= NO PRIME	AND=ZAZ98999
10		Set default variables		Next Step: END
	ET=+ UT=+00.00.01	DMC_SET_OBSID DMC_SET_OBSID Command Parameter(s) : OBSERVATION_ID PP069420 TC Control Flags : GBM IL DSE --Y -- -- Subsch. ID : 90 Det. descr. : SET OBSID IN DMC	PC078420 00000000 <hex>	
	ET=+ UT=+00.00.00	DMC_SET_BBID DMC_SET_BBID Command Parameter(s) : BUILDING_BLOCK_ID PP070420 Subsch. ID : 90 Det. descr. : SET BBID IN DMC	PC079420 40000000 <hex>	
		Verify Telemetry DM_OBSID PM028420	= 00000000 <hex>	AND=ZAZ98999
		Verify Telemetry DM_BBID PM029420	= 40000000 <hex>	AND=ZAZ98999
End of Procedure				