

TCS TCT (Thermal Control Table) TOPE Check
 File: H_FCP_TCS_TCT.xls
 Author: E. Picallo



Procedure Summary

Objectives

This procedure describes the TCS TCT (Thermal Control Table) TOPE Check.

Summary of Constraints

The expected TCT (Thermal Copntrol Table) values are the ones corresponding to the CDMU ASW V4.0 default TCT values from EEPROM ; except for PACS control loops # 11, 13 and 15 that the TCT_ON thresholds have been changed to [1,2] degC (ref. AR- H_SC-29)

Spacecraft Configuration

Start of Procedure

Type Pre-condition Here

End of Procedure

Type Post-condition Here

Reference File(s)

Input Command Sequences

Output Command Sequences

Referenced Displays

ANDs GRDs SLDs

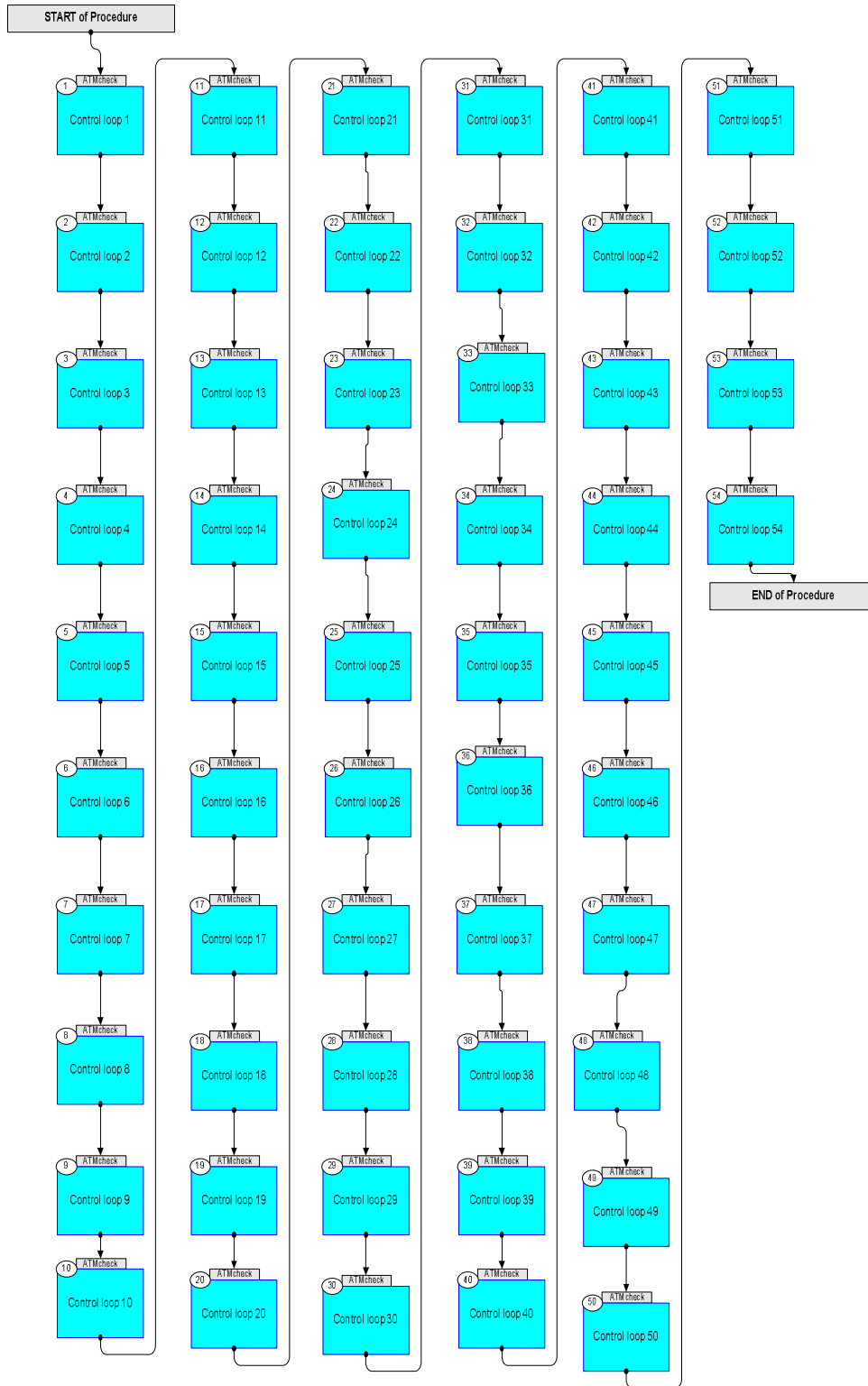
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
19/01/2009	2	1	Created	E. Picallo	
05/03/2009	2.1	2	Updated with CDMU ASW 3.8.2 TCT default values	E. Picallo	
30/03/2009	2.3	3	Update according H-P-TN-AI-0151 V9 (Tmin e Tmax on/off for loop 40 e 48 updated to be in line with the XML files)	E. Picallo	
04/05/2009	2.4	3.01	Validation : Typo. Procedure Cover, summary of constraints refers to CDMU ASW V3.10	E. Picallo	
18/06/2009		4	loop 17, CCU : TMIN_ON/OFF set to 14°C / TMAX_ON/OFF set to 17°C loop 18, GYRO : TMIN_ON/OFF set to 10°C / TMAX_ON/OFF set to 15°C	E. Picallo	
24/07/2009		5	PACS control loops 11, 13 and 15 thresholds changed from [-14,-11] to [15,16] degC Loop 43 (FHHRV) tolerance 1.2 degC	E. Picallo	
15/09/2009	2.5	6	PACS CL#11,13 & 15 TCT_ON thresholds updated to [1,2] degC	E. Picallo	
07/03/2011	3.1	7	Loop 15 (DECMEC) TCT Tmin_on/ Tmax_on updated to -1/0 °C	E. Picallo	

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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 : HFTTCTC (TCS TCT TOPE Check)				
TimeTag Type: Sub Schedule ID: □				
1		Control loop 1		Next Step: 2
		LoopStatus1	DEP00170	= Disabled
		LoopClass1	DEP01170	= ClassA
		MonThrmstPar1_1	DEP02170	= 0 <dec>
		MonThrmstPar2_1	DEP03170	= 0 <dec>
		MonThrmstPar3_1	DEP04170	= 0 <dec>
		TempMonFreq1	DEP05170	= 0 <dec>
		FdirUnitId1	DEP07170	= 0 <dec>
		Tmax_on1	DEP08170	= 0 <dec>
		Tmin_on1	DEP09170	= 0 <dec>
		Tmax_off1	DEP0A170	= 0 <dec>
		Tmin_off1	DEP0B170	= 0 <dec>
		ALPHA1	DEP0C170	= 0 <dec>
		BETA1	DEP0D170	= 0 <dec>
		GAMMA1	DEP0E170	= 0 <dec>
		DELTA1	DEP0F170	= 0 <dec>
		LAMBDA1	DEP0G170	= 0 <dec>
		TREF1	DEP0H170	= 0 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		QINST1 DEP0J170	= 0 <dec>	
		NominalHtrId1 DEP0K170	= 0 <dec>	
		RedundantHtrId1 DEP0L170	= 0 <dec>	
		ToleranceTctLp01 DER2U170	= 0 <dec>	
2		Control loop 2		Next Step: 3
		LoopStatus2 DEP0M170	= Enabled	
		LoopClass2 DEP0N170	= ClassA	
		MonThrmstPar1_2 DEP0P170	= TMA50601	
		MonThrmstPar2_2 DEP0R170	= TMA98601	
		MonThrmstPar3_2 DEP0S170	= TMB46601	
		TempMonFreq2 DEP0T170	= 60s	
		FdirUnitId2 DEP0V170	= XpndRxB	
		Tmax_on2 DEP0W170	= -6 <dec>	
		Tmin_on2 DEP0X170	= -9 <dec>	
		Tmax_off2 DEP0Y170	= -6 <dec>	
		Tmin_off2 DEP0Z170	= -9 <dec>	
		ALPHA2 DEP10170	= 0 <dec>	
		BETA2 DEP11170	= 0 <dec>	
		GAMMA2 DEP12170	= 0 <dec>	
		DELTA2 DEP13170	= 0 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		LAMBDA2 DEP14170	= 0 <dec>	
		TREF2 DEP15170	= 0 <dec>	
		QINST2 DEP16170	= 11.39 <dec>	
		NominalHtrId2 DEP17170	= 258 <dec>	
		RedundantHtrId2 DEP18170	= 4610 <dec>	
		ToleranceTctLp02 DER2V170	= 0.7 <dec>	
3		Control loop 3		Next Step: 4
		LoopStatus3 DEP19170	= Enabled	
		LoopClass3 DEP1A170	= ClassA	
		MonThrmstPar1_3 DEP1B170	= TMA87601	
		MonThrmstPar2_3 DEP1C170	= TMB35601	
		MonThrmstPar3_3 DEP1D170	= TMB83601	
		TempMonFreq3 DEP1E170	= 60s	
		FdirUnitId3 DEP1G170	= NomSurvThresh	
		Tmax_on3 DEP1H170	= 17 <dec>	
		Tmin_on3 DEP1J170	= 11 <dec>	
		Tmax_off3 DEP1K170	= 17 <dec>	
		Tmin_off3 DEP1L170	= 11 <dec>	
		ALPHA3 DEP1M170	= 0 <dec>	
		BETA3 DEP1N170	= 0 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		GAMMA3	DEP1P170	= 0 <dec>
		DELTA3	DEP1R170	= 0 <dec>
		LAMBDA3	DEP1S170	= 0 <dec>
		TREF3	DEP1T170	= 0 <dec>
		QINST3	DEP1U170	= 1.43 <dec>
		NominalHtrId3	DEP1V170	= 259 <dec>
		RedundantHtrId3	DEP1W170	= 4611 <dec>
		ToleranceTctLp03	DER2W170	= 2.5 <dec>
4		Control loop 4		Next Step: 5
		LoopStatus4	DEP1X170	= Enabled
		LoopClass4	DEP1Y170	= ClassA
		MonThrmstPar1_4	DEP1Z170	= TMA88601
		MonThrmstPar2_4	DEP20170	= TMB36601
		MonThrmstPar3_4	DEP21170	= TMB84601
		TempMonFreq4	DEP22170	= 60s
		FdirUnitId4	DEP24170	= NomSurvThresh
		Tmax_on4	DEP25170	= 17 <dec>
		Tmin_on4	DEP26170	= 11 <dec>
		Tmax_off4	DEP27170	= 17 <dec>
		Tmin_off4	DEP28170	= 11 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		ALPHA4	DEP29170	= 0 <dec>
		BETA4	DEP2A170	= 0 <dec>
		GAMMA4	DEP2B170	= 0 <dec>
		DELTA4	DEP2C170	= 0 <dec>
		LAMBDA4	DEP2D170	= 0 <dec>
		TREF4	DEP2E170	= 0 <dec>
		QINST4	DEP2F170	= 1.43 <dec>
		NominalHtrId4	DEP2G170	= 260 <dec>
		RedundantHtrId4	DEP2H170	= 4612 <dec>
		ToleranceTctLp04	DER2X170	= 2.5 <dec>
5		Control loop 5		Next Step: 6
		LoopStatus5	DEP2J170	= Enabled
		LoopClass5	DEP2K170	= ClassA
		MonThrmstPar1_5	DEP2L170	= TMA59601
		MonThrmstPar2_5	DEP2M170	= TMB07601
		MonThrmstPar3_5	DEP2N170	= TMB55601
		TempMonFreq5	DEP2P170	= 60s
		FdirUnitId5	DEP2S170	= NomSurvThresh
		Tmax_on5	DEP2T170	= 24 <dec>
		Tmin_on5	DEP2U170	= 23 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Tmax_off5 DEP2V170	= 24 <dec>	
		Tmin_off5 DEP2W170	= 23 <dec>	
		ALPHA5 DEP2X170	= 0 <dec>	
		BETA5 DEP2Y170	= 0 <dec>	
		GAMMA5 DEP2Z170	= 0 <dec>	
		DELTA5 DEP30170	= 0 <dec>	
		LAMBDA5 DEP31170	= 0 <dec>	
		TREF5 DEP32170	= 0 <dec>	
		QINST5 DEP33170	= 5.84 <dec>	
		NominalHtrId5 DEP34170	= 261 <dec>	
		RedundantHtrId5 DEP35170	= 4613 <dec>	
		ToleranceTctLp05 DER2Y170	= 0.7 <dec>	
6		Control loop 6		Next Step: 7
		LoopStatus6 DEP36170	= Enabled	
		LoopClass6 DEP37170	= ClassA	
		MonThrmstPar1_6 DEP38170	= TMA49601	
		MonThrmstPar2_6 DEP39170	= TMA97601	
		MonThrmstPar3_6 DEP3A170	= TMB45601	
		TempMonFreq6 DEP3B170	= 60s	
		FdirUnitId6 DEP3D170	= XpndRxA	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Tmax_on6 DEP3E170	= -6 <dec>	
		Tmin_on6 DEP3F170	= -9 <dec>	
		Tmax_off6 DEP3G170	= -6 <dec>	
		Tmin_off6 DEP3H170	= -9 <dec>	
		ALPHA6 DEP3J170	= 0 <dec>	
		BETA6 DEP3K170	= 0 <dec>	
		GAMMA6 DEP3L170	= 0 <dec>	
		DELTA6 DEP3M170	= 0 <dec>	
		LAMBDA6 DEP3N170	= 0 <dec>	
		TREF6 DEP3P170	= 0 <dec>	
		QINST6 DEP3R170	= 11.39 <dec>	
		NominalHtrId6 DEP3S170	= 262 <dec>	
		RedundantHtrId6 DEP3T170	= 4614 <dec>	
		ToleranceTctLp06 DER2Z170	= 0.7 <dec>	
7		Control loop 7		Next Step: 8
		LoopStatus7 DEP3U170	= Disabled	
		LoopClass7 DEP3V170	= ClassA	
		MonThrmstPar1_7 DEP3W170	= 0 <dec>	
		MonThrmstPar2_7 DEP3X170	= 0 <dec>	
		MonThrmstPar3_7 DEP3Y170	= 0 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		TempMonFreq7 DEP3Z170	= 0 <dec>	
		FdirUnitId7 DEP41170	= 0 <dec>	
		Tmax_on7 DEP42170	= 0 <dec>	
		Tmin_on7 DEP43170	= 0 <dec>	
		Tmax_off7 DEP44170	= 0 <dec>	
		Tmin_off7 DEP45170	= 0 <dec>	
		ALPHA7 DEP46170	= 0 <dec>	
		BETA7 DEP47170	= 0 <dec>	
		GAMMA7 DEP48170	= 0 <dec>	
		DELTA7 DEP49170	= 0 <dec>	
		LAMBDA7 DEP4A170	= 0 <dec>	
		TREF7 DEP4B170	= 0 <dec>	
		QINST7 DEP4C170	= 0 <dec>	
		NominalHtrId7 DEP4D170	= 0 <dec>	
		RedundantHtrId7 DEP4E170	= 0 <dec>	
		ToleranceTctLp07 DER30170	= 0 <dec>	
8		Control loop 8		Next Step: 9
		LoopStatus8 DEP4F170	= Enabled	
		LoopClass8 DEP4G170	= ClassA	
		MonThrmstPar1_8 DEP4H170	= TMA89601	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		MonThrmstPar2_8	DEP4J170	= TMB37601
		MonThrmstPar3_8	DEP4K170	= TMB85601
		TempMonFreq8	DEP4L170	= 60s
		FdirUnitId8	DEP4N170	= NomSurvThresh
		Tmax_on8	DEP4P170	= 17.0 <dec>
		Tmin_on8	DEP4R170	= 11.0 <dec>
		Tmax_off8	DEP4S170	= 17.0 <dec>
		Tmin_off8	DEP4T170	= 11.0 <dec>
		ALPHA8	DEP4U170	= 0 <dec>
		BETA8	DEP4V170	= 0 <dec>
		GAMMA8	DEP4W170	= 0 <dec>
		DELTA8	DEP4X170	= 0 <dec>
		LAMBDA8	DEP4Y170	= 0 <dec>
		TREF8	DEP4Z170	= 0 <dec>
		QINST8	DEP50170	= 1.43 <dec>
		NominalHtrId8	DEP51170	= 514 <dec>
		RedundantHtrId8	DEP52170	= 4354 <dec>
		ToleranceTctLp08	DER31170	= 2.5 <dec>
9		Control loop 9		Next Step: 10
		LoopStatus9	DEP53170	= Enabled

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		LoopClass9	DEP54170	= ClassA
		MonThrmstPar1_9	DEP55170	= TMA90601
		MonThrmstPar2_9	DEP56170	= TMB38601
		MonThrmstPar3_9	DEP57170	= TMB86601
		TempMonFreq9	DEP58170	= 60s
		FdirUnitId9	DEP5A170	= NomSurvThresh
		Tmax_on9	DEP5B170	= 17 <dec>
		Tmin_on9	DEP5C170	= 11 <dec>
		Tmax_off9	DEP5D170	= 17 <dec>
		Tmin_off9	DEP5E170	= 11 <dec>
		ALPHA9	DEP5F170	= 0 <dec>
		BETA9	DEP5G170	= 0 <dec>
		GAMMA9	DEP5H170	= 0 <dec>
		DELTA9	DEP5J170	= 0 <dec>
		LAMBDA9	DEP5K170	= 0 <dec>
		TREF9	DEP5L170	= 0 <dec>
		QINST9	DEP5M170	= 1.43 <dec>
		NominalHtrId9	DEP5N170	= 515 <dec>
		RedundantHtrId9	DEP5P170	= 4355 <dec>
		ToleranceTctLp09	DER32170	= 2.5 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
10		Control loop 10		Next Step: 11
		LoopStatus10	DEP5R170	= Enabled
		LoopClass10	DEP5S170	= ClassA
		MonThrmstPar1_10	DEP5T170	= TMA91601
		MonThrmstPar2_10	DEP5U170	= TMB39601
		MonThrmstPar3_10	DEP5V170	= TMB87601
		TempMonFreq10	DEP5W170	= 60s
		FdirUnitId10	DEP5Y170	= NomSurvThresh
		Tmax_on10	DEP5Z170	= 17 <dec>
		Tmin_on10	DEP60170	= 11 <dec>
		Tmax_off10	DEP61170	= 17 <dec>
		Tmin_off10	DEP62170	= 11 <dec>
		ALPHA10	DEP63170	= 0 <dec>
		BETA10	DEP64170	= 0 <dec>
		GAMMA10	DEP65170	= 0 <dec>
		DELTA10	DEP66170	= 0 <dec>
		LAMBDA10	DEP67170	= 0 <dec>
		TREF10	DEP68170	= 0 <dec>
		QINST10	DEP69170	= 1.43 <dec>
		NominalHtrId10	DEP6A170	= 516 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		RedundantHtrId10	DEP6B170	= 4356 <dec>
		ToleranceTctLp10	DER33170	= 2.5 <dec>
11		Control loop 11		Next Step: 12
		LoopStatus11	DEP6C170	= Enabled
		LoopClass11	DEP6D170	= ClassA
		MonThrmstPar1_11	DEP6E170	= TMA53601
		MonThrmstPar2_11	DEP6F170	= TMB01601
		MonThrmstPar3_11	DEP6G170	= TMB49601
		TempMonFreq11	DEP6H170	= 60s
		FdirUnitId11	DEP6K170	= PacsDpu
		Tmax_on11	DEP6L170	= 2.0 <dec>
		Tmin_on11	DEP6M170	= 1.0 <dec>
		Tmax_off11	DEP6N170	= -11 <dec>
		Tmin_off11	DEP6P170	= -14 <dec>
		ALPHA11	DEP6R170	= 0 <dec>
		BETA11	DEP6S170	= 0 <dec>
		GAMMA11	DEP6T170	= 0 <dec>
		DELTA11	DEP6U170	= 0 <dec>
		LAMBDA11	DEP6V170	= 0 <dec>
		TREF11	DEP6W170	= 0 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		QINST11 DEP6X170	= 31.02 <dec>	
		NominalHtrId11 DEP6Y170	= 517 <dec>	
		RedundantHtrId11 DEP6Z170	= 4357 <dec>	
		ToleranceTctLp11 DER34170	= 0.7 <dec>	
		TCT Tmin_on/ Tmax_on thresholds of loop 11 (FPSPU/DPU) changed from default values -14/-11°C to 1/2°C.		
12		<i>Control loop 12</i>		Next Step: 13
		LoopStatus12 DEP70170	= Disabled	
		LoopClass12 DEP71170	= ClassA	
		MonThrmstPar1_12 DEP72170	= 0 <dec>	
		MonThrmstPar2_12 DEP73170	= 0 <dec>	
		MonThrmstPar3_12 DEP74170	= 0 <dec>	
		TempMonFreq12 DEP75170	= 0 <dec>	
		FdirUnitId12 DEP77170	= 0 <dec>	
		Tmax_on12 DEP78170	= 0 <dec>	
		Tmin_on12 DEP79170	= 0 <dec>	
		Tmax_off12 DEP7A170	= 0 <dec>	
		Tmin_off12 DEP7B170	= 0 <dec>	
		ALPHA12 DEP7C170	= 0 <dec>	
		BETA12 DEP7D170	= 0 <dec>	
		GAMMA12 DEP7E170	= 0 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		DELTA12	DEP7F170	= 0 <dec>
		LAMBDA12	DEP7G170	= 0 <dec>
		TREF12	DEP7H170	= 0 <dec>
		QINST12	DEP7J170	= 0 <dec>
		NominalHtrId12	DEP7K170	= 0 <dec>
		RedundantHtrId12	DEP7L170	= 0 <dec>
		ToleranceTctLp12	DER35170	= 0 <dec>
13		Control loop 13		Next Step: 14
		LoopStatus13	DEP7M170	= Enabled
		LoopClass13	DEP7N170	= ClassA
		MonThrmstPar1_13	DEP7P170	= TMA54601
		MonThrmstPar2_13	DEP7R170	= TMB02601
		MonThrmstPar3_13	DEP7S170	= TMB50601
		TempMonFreq13	DEP7T170	= 60s
		FdirUnitId13	DEP7V170	= PacsBolc
		Tmax_on13	DEP7W170	= 2.0 <dec>
		Tmin_on13	DEP7X170	= 1.0 <dec>
		Tmax_off13	DEP7Y170	= -11 <dec>
		Tmin_off13	DEP7Z170	= -14 <dec>
		ALPHA13	DEP80170	= 0 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		BETA13 DEP81170	= 0 <dec>	
		GAMMA13 DEP82170	= 0 <dec>	
		DELTA13 DEP83170	= 0 <dec>	
		LAMBDA13 DEP84170	= 0 <dec>	
		TREF13 DEP85170	= 0 <dec>	
		QINST13 DEP86170	= 9.41 <dec>	
		NominalHtrId13 DEP87170	= 769 <dec>	
		RedundantHtrId13 DEP88170	= 4097 <dec>	
		ToleranceTctLp13 DER36170	= 0.7 <dec>	
		TCT Tmin_on/ Tmax_on thresholds of loop 13 (FPBOLC) changed from default values -14/-11°C to 1/2°C.		
14		Control loop 14		Next Step: 15
		LoopStatus14 DEP89170	= Enabled	
		LoopClass14 DEP8A170	= ClassA	
		MonThrmstPar1_14 DEP8B170	= TMA55601	
		MonThrmstPar2_14 DEP8C170	= TMB03601	
		MonThrmstPar3_14 DEP8D170	= TMB51601	
		TempMonFreq14 DEP8E170	= 10s	
		FdirUnitId14 DEP8G170	= Crs1	
		Tmax_on14 DEP8H170	= 46.5 <dec>	
		Tmin_on14 DEP8J170	= 46 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Tmax_off14	DEP8K170	= 46.5 <dec>
		Tmin_off14	DEP8L170	= 46 <dec>
		ALPHA14	DEP8M170	= 0 <dec>
		BETA14	DEP8N170	= 0 <dec>
		GAMMA14	DEP8P170	= 0 <dec>
		DELTA14	DEP8R170	= 0 <dec>
		LAMBDA14	DEP8S170	= 0 <dec>
		TREF14	DEP8T170	= 0 <dec>
		QINST14	DEP8U170	= 24.3 <dec>
		NominalHtrId14	DEP8V170	= 770 <dec>
		RedundantHtrId14	DEP8W170	= 4098 <dec>
		ToleranceTctLp14	DER37170	= 0.7 <dec>
15		<i>Control loop 15</i>		Next Step: 16
		LoopStatus15	DEP8X170	= Enabled
		LoopClass15	DEP8Y170	= ClassA
		MonThrmstPar1_15	DEP8Z170	= TMA56601
		MonThrmstPar2_15	DEP90170	= TMB04601
		MonThrmstPar3_15	DEP91170	= TMB52601
		TempMonFreq15	DEP92170	= 60s
		FdirUnitId15	DEP94170	= PacsDec

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Tmax_on15	DEP95170	= 0.0 <dec>
		Tmin_on15	DEP96170	= -1.0 <dec>
		Tmax_off15	DEP97170	= -11 <dec>
		Tmin_off15	DEP98170	= -14 <dec>
		ALPHA15	DEP99170	= 0 <dec>
		BETA15	DEP9A170	= 0 <dec>
		GAMMA15	DEP9B170	= 0 <dec>
		DELTA15	DEP9C170	= 0 <dec>
		LAMBDA15	DEP9D170	= 0 <dec>
		TREF15	DEP9E170	= 0 <dec>
		QINST15	DEP9F170	= 27.48 <dec>
		NominalHtrId15	DEP9G170	= 771 <dec>
		RedundantHtrId15	DEP9H170	= 4099 <dec>
		ToleranceTctLp15	DER38170	= 0.7 <dec>
		TCT Tmin_on/ Tmax_on thresholds of loop 15 (FPDECMEC) changed from default values -14/-11°C to -1/0°C.		
16		Control loop 16		Next Step: 17
		LoopStatus16	DEP9J170	= Enabled
		LoopClass16	DEP9K170	= ClassA
		MonThrmstPar1_16	DEP9L170	= TMA57601
		MonThrmstPar2_16	DEP9M170	= TMB05601

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		MonThrmstPar3_16	DEP9N170	= TMB53601
		TempMonFreq16	DEP9P170	= 60s
		FdirUnitId16	DEP9S170	= NomSurvThresh
		Tmax_on16	DEP9T170	= 24 <dec>
		Tmin_on16	DEP9U170	= 23 <dec>
		Tmax_off16	DEP9V170	= 24 <dec>
		Tmin_off16	DEP9W170	= 23 <dec>
		ALPHA16	DEP9X170	= 0 <dec>
		BETA16	DEP9Y170	= 0 <dec>
		GAMMA16	DEP9Z170	= 0 <dec>
		DELTA16	DEPA0170	= 0 <dec>
		LAMBDA16	DEPA1170	= 0 <dec>
		TREF16	DEPA2170	= 0 <dec>
		QINST16	DEPA3170	= 5.46 <dec>
		NominalHtrId16	DEPA4170	= 772 <dec>
		RedundantHtrId16	DEPA5170	= 4100 <dec>
		ToleranceTctLp16	DER39170	= 0.7 <dec>
17		Control loop 17		Next Step: 18
		LoopStatus17	DEPA6170	= Enabled
		LoopClass17	DEPA7170	= ClassA

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		MonThrmstPar1_17	DEPA8170 = TMA58601	
		MonThrmstPar2_17	DEPA9170 = TMB06601	
		MonThrmstPar3_17	DEPAA170 = TMB54601	
		TempMonFreq17	DEPAB170 = 60s	
		FdirUnitId17	DEPAD170 = CcuB	
		Tmax_on17	DEPAE170 = 17.0 <dec>	
		Tmin_on17	DEPAF170 = 14.0 <dec>	
		Tmax_off17	DEPAG170 = 17.0 <dec>	
		Tmin_off17	DEPAH170 = 14.0 <dec>	
		ALPHA17	DEPAJ170 = 0 <dec>	
		BETA17	DEPAK170 = 0 <dec>	
		GAMMA17	DEPAL170 = 0 <dec>	
		DELTA17	DEPAM170 = 0 <dec>	
		LAMBDA17	DEPAN170 = 0 <dec>	
		TREF17	DEPAP170 = 0 <dec>	
		QINST17	DEPAR170 = 44.51 <dec>	
		NominalHtrId17	DEPAS170 = 773 <dec>	
		RedundantHtrId17	DEPAT170 = 4101 <dec>	
		ToleranceTctLp17	DER3A170 = 0.7 <dec>	
18		Control loop 18		Next Step: 19

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		LoopStatus18 DEPAU170	= Enabled	
		LoopClass18 DEPAV170	= ClassA	
		MonThrmstPar1_18 DEPAW170	= TMA86601	
		MonThrmstPar2_18 DEPAX170	= TMB34601	
		MonThrmstPar3_18 DEPAY170	= TMB82601	
		TempMonFreq18 DEPAZ170	= 10s	
		FdirUnitId18 DEPBI170	= Gyro	
		Tmax_on18 DEPBI2170	= 15.0 <dec>	
		Tmin_on18 DEPBI3170	= 10.0 <dec>	
		Tmax_off18 DEPBI4170	= 15.0 <dec>	
		Tmin_off18 DEPBI5170	= 10.0 <dec>	
		ALPHA18 DEPBI6170	= 0 <dec>	
		BETA18 DEPBI7170	= 0 <dec>	
		GAMMA18 DEPBI8170	= 0 <dec>	
		DELTA18 DEPBI9170	= 0 <dec>	
		LAMBDA18 DEPBA170	= 0 <dec>	
		TREF18 DEPBB170	= 0 <dec>	
		QINST18 DEPBC170	= 45.22 <dec>	
		NominalHtrId18 DEPBD170	= 774 <dec>	
		RedundantHtrId18 DEPBE170	= 4102 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		ToleranceTctLp18	DER3B170	= 0.7 <dec>
19		Control loop 19		Next Step: 20
		LoopStatus19	DEPBF170	= Disabled
		LoopClass19	DEPBG170	= ClassA
		MonThrmstPar1_19	DEPBH170	= 0 <dec>
		MonThrmstPar2_19	DEPBJ170	= 0 <dec>
		MonThrmstPar3_19	DEPBK170	= 0 <dec>
		TempMonFreq19	DEPBL170	= 0 <dec>
		FdirUnitId19	DEPBN170	= 0 <dec>
		Tmax_on19	DEPBP170	= 0 <dec>
		Tmin_on19	DEPBR170	= 0 <dec>
		Tmax_off19	DEPBS170	= 0 <dec>
		Tmin_off19	DEPBT170	= 0 <dec>
		ALPHA19	DEPBU170	= 0 <dec>
		BETA19	DEPBV170	= 0 <dec>
		GAMMA19	DEPBW170	= 0 <dec>
		DELTA19	DEPBX170	= 0 <dec>
		LAMBDA19	DEPBY170	= 0 <dec>
		TREF19	DEPBZ170	= 0 <dec>
		QINST19	DEPC0170	= 0 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		NominalHtrId19	DEPC1170 = 0 <dec>	
		RedundantHtrId19	DEPC2170 = 0 <dec>	
		ToleranceTctLp19	DER3C170 = 0 <dec>	
20		Control loop 20		Next Step: 21
		LoopStatus20	DEPC3170 = Enabled	
		LoopClass20	DEPC4170 = ClassB	
		MonThrmstPar1_20	DEPC5170 = TMA60601	
		MonThrmstPar2_20	DEPC6170 = TMB08601	
		MonThrmstPar3_20	DEPC7170 = TMB56601	
		TempMonFreq20	DEPC8170 = 10s	
		FdirUnitId20	DEPCA170 = HifiWov	
		Tmax_on20	DEPCB170 = 6.5 <dec>	
		Tmin_on20	DEPCC170 = 2.5 <dec>	
		Tmax_off20	DEPCD170 = 0.5 <dec>	
		Tmin_off20	DEPCE170 = -2.5 <dec>	
		ALPHA20	DEPCF170 = 0.75631 <dec>	
		BETA20	DEPCG170 = 0.000453786 <dec>	
		GAMMA20	DEPCH170 = -0.755856214 <dec>	
		DELTA20	DEPCJ170 = 0.9045 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		LAMBDA20	DEPCK170	= -1.9045 <dec>
		TREF20	DEPCL170	= 4.5 <dec>
		QINST20	DEPCM170	= 23.84 <dec>
		NominalHtrId20	DEPCN170	= 1026 <dec>
		RedundantHtrId20	DEPCP170	= 3842 <dec>
		ToleranceTctLp20	DER3D170	= 2.0 degC
21		Control loop 21		Next Step: 22
		LoopStatus21	DEPCR170	= Enabled
		LoopClass21	DEPCS170	= ClassA
		MonThrmstPar1_21	DEPCT170	= TMA93601
		MonThrmstPar2_21	DEPCU170	= TMB41601
		MonThrmstPar3_21	DEPCV170	= TMB89601
		TempMonFreq21	DEPCW170	= 60s
		FdirUnitId21	DEPCY170	= NomSurvThresh
		Tmax_on21	DEPCZ170	= 24 <dec>
		Tmin_on21	DEPD0170	= 23 <dec>
		Tmax_off21	DEPD1170	= 24 <dec>
		Tmin_off21	DEPD2170	= 23 <dec>
		ALPHA21	DEPD3170	= 0 <dec>
		BETA21	DEPD4170	= 0 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		GAMMA21	DEPD5170	= 0 <dec>
		DELTA21	DEPD6170	= 0 <dec>
		LAMBDA21	DEPD7170	= 0 <dec>
		TREF21	DEPD8170	= 0 <dec>
		QINST21	DEPD9170	= 5.7 <dec>
		NominalHtrId21	DEPDA170	= 1027 <dec>
		RedundantHtrId21	DEPDB170	= 3843 <dec>
		ToleranceTctLp21	DER3E170	= 0.7 <dec>
22		Control loop 22		Next Step: 23
		LoopStatus22	DEPDC170	= Enabled
		LoopClass22	DEPDD170	= ClassA
		MonThrmstPar1_22	DEPDE170	= TMA77601
		MonThrmstPar2_22	DEPDF170	= TMB25601
		MonThrmstPar3_22	DEPDG170	= TMB73601
		TempMonFreq22	DEPDH170	= 60s
		FdirUnitId22	DEPDK170	= NomSurvThresh
		Tmax_on22	DEPDL170	= 17 <dec>
		Tmin_on22	DEPDM170	= 11 <dec>
		Tmax_off22	DEPDN170	= 17 <dec>
		Tmin_off22	DEPDF170	= 11 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		ALPHA22	DEPDR170	= 0 <dec>
		BETA22	DEPDS170	= 0 <dec>
		GAMMA22	DEPDT170	= 0 <dec>
		DELTA22	DEPDU170	= 0 <dec>
		LAMBDA22	DEPDV170	= 0 <dec>
		TREF22	DEPDW170	= 0 <dec>
		QINST22	DEPDX170	= 1.43 <dec>
		NominalHtrId22	DEPDY170	= 1028 <dec>
		RedundantHtrId22	DEPDZ170	= 3844 <dec>
		ToleranceTctLp22	DER3F170	= 2.5 <dec>
23		Control loop 23		Next Step: 24
		LoopStatus23	DEPE0170	= Enabled
		LoopClass23	DEPE1170	= ClassA
		MonThrmstPar1_23	DEPE2170	= TMA78601
		MonThrmstPar2_23	DEPE3170	= TMB26601
		MonThrmstPar3_23	DEPE4170	= TMB74601
		TempMonFreq23	DEPE5170	= 60s
		FdirUnitId23	DEPE7170	= NomSurvThresh
		Tmax_on23	DEPE8170	= 17 <dec>
		Tmin_on23	DEPE9170	= 11 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Tmax_off23	DEPEA170 = 17 <dec>	
		Tmin_off23	DEPEB170 = 11 <dec>	
		ALPHA23	DEPEC170 = 0 <dec>	
		BETA23	DEPED170 = 0 <dec>	
		GAMMA23	DEPEE170 = 0 <dec>	
		DELTA23	DEPEF170 = 0 <dec>	
		LAMBDA23	DEPEG170 = 0 <dec>	
		TREF23	DEPEH170 = 0 <dec>	
		QINST23	DEPEJ170 = 1.43 <dec>	
		NominalHtrId23	DEPEK170 = 1029 <dec>	
		RedundantHtrId23	DEPEL170 = 3845 <dec>	
		ToleranceTctLp23	DER3G170 = 2.5 <dec>	
24		<i>Control loop 24</i>		Next Step: 25
		LoopStatus24	DEPEM170 = Enabled	
		LoopClass24	DEPEN170 = ClassA	
		MonThrmstPar1_24	DEPEP170 = TMA94601	
		MonThrmstPar2_24	DEPER170 = TMB42601	
		MonThrmstPar3_24	DEPES170 = TMB90601	
		TempMonFreq24	DEPET170 = 60s	
		FdirUnitId24	DEPEV170 = NomSurvThresh	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Tmax_on24 DEPEW170	= 24 <dec>	
		Tmin_on24 DEPEX170	= 23 <dec>	
		Tmax_off24 DEPEY170	= 24 <dec>	
		Tmin_off24 DEPEZ170	= 23 <dec>	
		ALPHA24 DEPF0170	= 0 <dec>	
		BETA24 DEPF1170	= 0 <dec>	
		GAMMA24 DEPF2170	= 0 <dec>	
		DELTA24 DEPF3170	= 0 <dec>	
		LAMBDA24 DEPF4170	= 0 <dec>	
		TREF24 DEPF5170	= 0 <dec>	
		QINST24 DEPF6170	= 4.68 <dec>	
		NominalHtrId24 DEPF7170	= 1030 <dec>	
		RedundantHtrId24 DEPF8170	= 3846 <dec>	
		ToleranceTctLp24 DER3H170	= 0.7 <dec>	
25		Control loop 25		Next Step: 26
		LoopStatus25 DEPF9170	= Enabled	
		LoopClass25 DEPFA170	= ClassA	
		MonThrmstPar1_25 DEPFB170	= TMA12601	
		MonThrmstPar2_25 DEPFC170	= TMA20601	
		MonThrmstPar3_25 DEPFD170	= TMA36601	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		TempMonFreq25	DEPFE170 = 10s	
		FdirUnitId25	DEPFG170 = Crs2	
		Tmax_on25	DEPFH170 = 46.5 <dec>	
		Tmin_on25	DEPFJ170 = 46 <dec>	
		Tmax_off25	DEPFK170 = 46.5 <dec>	
		Tmin_off25	DEPFL170 = 46 <dec>	
		ALPHA25	DEPFM170 = 0 <dec>	
		BETA25	DEPFN170 = 0 <dec>	
		GAMMA25	DEPFP170 = 0 <dec>	
		DELTA25	DEPFR170 = 0 <dec>	
		LAMBDA25	DEPFS170 = 0 <dec>	
		TREF25	DEPFT170 = 0 <dec>	
		QINST25	DEPFU170 = 24.3 <dec>	
		NominalHtrId25	DEPFV170 = 1281 <dec>	
		RedundantHtrId25	DEPFW170 = 3585 <dec>	
		ToleranceTctLp25	DER3J170 = 0.7 <dec>	
26		Control loop 26		Next Step: 27
		LoopStatus26	DEPFX170 = Enabled	
		LoopClass26	DEPFY170 = ClassB	
		MonThrmstPar1_26	DEPFZ170 = TMA66601	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		MonThrmstPar2_26	DEPG0170 = TMB14601	
		MonThrmstPar3_26	DEPG1170 = TMB62601	
		TempMonFreq26	DEPG2170 = 10s	
		FdirUnitId26	DEPG4170 = HifiHrh	
		Tmax_on26	DEPG5170 = 30.0 <dec>	
		Tmin_on26	DEPG6170 = 26.0 <dec>	
		Tmax_off26	DEPG7170 = -6.0 <dec>	
		Tmin_off26	DEPG8170 = -9.0 <dec>	
		ALPHA26	DEPG9170 = 1.237765 <dec>	
		BETA26	DEPGA170 = 0.001290824 <dec>	
		GAMMA26	DEPGB170 = -1.236474 <dec>	
		DELTA26	DEPGC170 = 0.904540 <dec>	
		LAMBDA26	DEPGD170 = -1.904540 <dec>	
		TREF26	DEPGE170 = 28.0 <dec>	
		QINST26	DEPGF170 = 38.98 <dec>	
		NominalHtrId26	DEPGG170 = 1282 <dec>	
		RedundantHtrId26	DEPGH170 = 3586 <dec>	
		ToleranceTctLp26	DER3K170 = 0.7 <dec>	
27		Control loop 27		Next Step: 28

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		LoopStatus27	DEPGJ170	= Enabled
		LoopClass27	DEPGK170	= ClassA
		MonThrmstPar1_27	DEPGL170	= TMA63601
		MonThrmstPar2_27	DEPGM170	= TMB11601
		MonThrmstPar3_27	DEPGN170	= TMB59601
		TempMonFreq27	DEPGP170	= 60s
		FdirUnitId27	DEPGS170	= HifiWev
		Tmax_on27	DEPGT170	= 4 <dec>
		Tmin_on27	DEPGU170	= 1 <dec>
		Tmax_off27	DEPGV170	= 4 <dec>
		Tmin_off27	DEPGW170	= 1 <dec>
		ALPHA27	DEPGX170	= 0 <dec>
		BETA27	DEPGY170	= 0 <dec>
		GAMMA27	DEPGZ170	= 0 <dec>
		DELTA27	DEPH0170	= 0 <dec>
		LAMBDA27	DEPH1170	= 0 <dec>
		TREF27	DEPH2170	= 0 <dec>
		QINST27	DEPH3170	= 35.7 <dec>
		NominalHtrId27	DEPH4170	= 1283 <dec>
		RedundantHtrId27	DEPH5170	= 3587 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		ToleranceTctLp27	DER3L170	= 0.7 <dec>
28		Control loop 28		Next Step: 29
		LoopStatus28	DEPH6170	= Enabled
		LoopClass28	DEPH7170	= ClassA
		MonThrmstPar1_28	DEPH8170	= TMA92601
		MonThrmstPar2_28	DEPH9170	= TMB40601
		MonThrmstPar3_28	DEPHA170	= TMB88601
		TempMonFreq28	DEPHB170	= 60s
		FdirUnitId28	DEPHD170	= NomSurvThresh
		Tmax_on28	DEPHE170	= 17 <dec>
		Tmin_on28	DEPHF170	= 11 <dec>
		Tmax_off28	DEPHG170	= 17 <dec>
		Tmin_off28	DEPHH170	= 11 <dec>
		ALPHA28	DEPHJ170	= 0 <dec>
		BETA28	DEPHK170	= 0 <dec>
		GAMMA28	DEPHL170	= 0 <dec>
		DELTA28	DEPHM170	= 0 <dec>
		LAMBDA28	DEPHN170	= 0 <dec>
		TREF28	DEPHP170	= 0 <dec>
		QINST28	DEPHR170	= 1.43 <dec>

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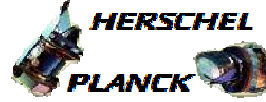
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		NominalHtrId28	DEPHS170 = 1284 <dec>	
		RedundantHtrId28	DEPHT170 = 3588 <dec>	
		ToleranceTctLp28	DER3M170 = 2.5 <dec>	
29		Control loop 29		Next Step: 30
		LoopStatus29	DEPHU170 = Enabled	
		LoopClass29	DEPHV170 = ClassA	
		MonThrmstPar1_29	DEPHW170 = TMA95601	
		MonThrmstPar2_29	DEPHX170 = TMB43601	
		MonThrmstPar3_29	DEPHY170 = TMB91601	
		TempMonFreq29	DEPHZ170 = 60s	
		FdirUnitId29	DEPJ1170 = NomSurvThresh	
		Tmax_on29	DEPJ2170 = 24 <dec>	
		Tmin_on29	DEPJ3170 = 23 <dec>	
		Tmax_off29	DEPJ4170 = 24 <dec>	
		Tmin_off29	DEPJ5170 = 23 <dec>	
		ALPHA29	DEPJ6170 = 0 <dec>	
		BETA29	DEPJ7170 = 0 <dec>	
		GAMMA29	DEPJ8170 = 0 <dec>	
		DELTA29	DEPJ9170 = 0 <dec>	
		LAMBDA29	DEPJA170 = 0 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		TREF29	DEPJB170	= 0 <dec>
		QINST29	DEPJC170	= 4.54 <dec>
		NominalHtrId29	DEPJD170	= 1285 <dec>
		RedundantHtrId29	DEPJE170	= 3589 <dec>
		ToleranceTctLp29	DER3N170	= 0.7 <dec>
30		<i>Control loop 30</i>		Next Step: 31
		LoopStatus30	DEPJF170	= Enabled
		LoopClass30	DEPJG170	= ClassA
		MonThrmstPar1_30	DEPJH170	= TMA96601
		MonThrmstPar2_30	DEPJJ170	= TMB44601
		MonThrmstPar3_30	DEPJK170	= TMB92601
		TempMonFreq30	DEPJL170	= 60s
		FdirUnitId30	DEPJN170	= NomSurvThresh
		Tmax_on30	DEPJP170	= 24 <dec>
		Tmin_on30	DEPJR170	= 23 <dec>
		Tmax_off30	DEPJS170	= 24 <dec>
		Tmin_off30	DEPJT170	= 23 <dec>
		ALPHA30	DEPJU170	= 0 <dec>
		BETA30	DEPJV170	= 0 <dec>
		GAMMA30	DEPJW170	= 0 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		DELTA30	DEPJX170	= 0 <dec>
		LAMBDA30	DEPZY170	= 0 <dec>
		TREF30	DEPJZ170	= 0 <dec>
		QINST30	DEPK0170	= 4.9 <dec>
		NominalHtrId30	DEPK1170	= 1286 <dec>
		RedundantHtrId30	DEPK2170	= 3590 <dec>
		ToleranceTctLp30	DER3P170	= 0.7 <dec>
31		Control loop 31		Next Step: 32
		LoopStatus31	DEPK3170	= Disabled
		LoopClass31	DEPK4170	= ClassA
		MonThrmstPar1_31	DEPK5170	= 0 <dec>
		MonThrmstPar2_31	DEPK6170	= 0 <dec>
		MonThrmstPar3_31	DEPK7170	= 0 <dec>
		TempMonFreq31	DEPK8170	= 0 <dec>
		FdirUnitId31	DEPKA170	= 0 <dec>
		Tmax_on31	DEPKB170	= 0 <dec>
		Tmin_on31	DEPKC170	= 0 <dec>
		Tmax_off31	DEPKD170	= 0 <dec>
		Tmin_off31	DEPKE170	= 0 <dec>
		ALPHA31	DEPKF170	= 0 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		BETA31	DEPKG170	= 0 <dec>
		GAMMA31	DEPKH170	= 0 <dec>
		DELTA31	DEPKJ170	= 0 <dec>
		LAMBDA31	DEPKK170	= 0 <dec>
		TREF31	DEPKL170	= 0 <dec>
		QINST31	DEPKM170	= 0 <dec>
		NominalHtrId31	DEPKN170	= 0 <dec>
		RedundantHtrId31	DEPKP170	= 0 <dec>
		ToleranceTctLp31	DER3R170	= 0 <dec>
32		Control loop 32		Next Step: 33
		LoopStatus32	DEPKR170	= Enabled
		LoopClass32	DEPKS170	= ClassA
		MonThrmstPar1_32	DEPKT170	= TMA70601
		MonThrmstPar2_32	DEPKU170	= TMB18601
		MonThrmstPar3_32	DEPKV170	= TMB66601
		TempMonFreq32	DEPKW170	= 60s
		FdirUnitId32	DEPKY170	= Rw4
		Tmax_on32	DEPKZ170	= 4 <dec>
		Tmin_on32	DEPL0170	= 1 <dec>
		Tmax_off32	DEPL1170	= 4 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Tmin_off32	DEPL2170	= 1 <dec>
		ALPHA32	DEPL3170	= 0 <dec>
		BETA32	DEPL4170	= 0 <dec>
		GAMMA32	DEPL5170	= 0 <dec>
		DELTA32	DEPL6170	= 0 <dec>
		LAMBDA32	DEPL7170	= 0 <dec>
		TREF32	DEPL8170	= 0 <dec>
		QINST32	DEPL9170	= 11.39 <dec>
		NominalHtrId32	DEPLA170	= 1538 <dec>
		RedundantHtrId32	DEPLB170	= 3330 <dec>
		ToleranceTctLp32	DER3S170	= 0.7 <dec>
33		Control loop 33		Next Step: 34
		LoopStatus33	DEPLC170	= Enabled
		LoopClass33	DEPLD170	= ClassA
		MonThrmstPar1_33	DEPLE170	= TMA71601
		MonThrmstPar2_33	DEPLF170	= TMB19601
		MonThrmstPar3_33	DEPLG170	= TMB67601
		TempMonFreq33	DEPLH170	= 60s
		FdirUnitId33	DEPLK170	= Rwl
		Tmax_on33	DEPLL170	= 4 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Tmin_on33	DEPLM170	= 1 <dec>
		Tmax_off33	DEPLN170	= 4 <dec>
		Tmin_off33	DEPLP170	= 1 <dec>
		ALPHA33	DEPLR170	= 0 <dec>
		BETA33	DEPLS170	= 0 <dec>
		GAMMA33	DEPLT170	= 0 <dec>
		DELTA33	DEPLU170	= 0 <dec>
		LAMBDA33	DEPLV170	= 0 <dec>
		TREF33	DEPLW170	= 0 <dec>
		QINST33	DEPLX170	= 11.39 <dec>
		NominalHtrId33	DEPLY170	= 1539 <dec>
		RedundantHtrId33	DEPLZ170	= 3331 <dec>
		ToleranceTctLp33	DER3T170	= 0.7 <dec>
34		Control loop 34		Next Step: 35
		LoopStatus34	DEPM0170	= Enabled
		LoopClass34	DEPM1170	= ClassA
		MonThrmstPar1_34	DEPM2170	= TMA72601
		MonThrmstPar2_34	DEPM3170	= TMB20601
		MonThrmstPar3_34	DEPM4170	= TMB68601
		TempMonFreq34	DEPM5170	= 60s

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		FdirUnitId34	DEPM7170	= Rw3
		Tmax_on34	DEPM8170	= 4 <dec>
		Tmin_on34	DEPM9170	= 1 <dec>
		Tmax_off34	DEPMA170	= 4 <dec>
		Tmin_off34	DEPMB170	= 1 <dec>
		ALPHA34	DEPMC170	= 0 <dec>
		BETA34	DEPMD170	= 0 <dec>
		GAMMA34	DEPME170	= 0 <dec>
		DELTA34	DEPMF170	= 0 <dec>
		LAMBDA34	DEPMG170	= 0 <dec>
		TREF34	DEPMH170	= 0 <dec>
		QINST34	DEPMJ170	= 11.39 <dec>
		NominalHtrId34	DEPMK170	= 1540 <dec>
		RedundantHtrId34	DEPML170	= 3332 <dec>
		ToleranceTctLp34	DER3U170	= 0.7 <dec>
35		Control loop 35		Next Step: 36
		LoopStatus35	DEPMM170	= Enabled
		LoopClass35	DEPMN170	= ClassA
		MonThrmstPar1_35	DEPMP170	= TMA76601
		MonThrmstPar2_35	DEPMR170	= TMB24601

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		MonThrmstPar3_35	DEPMS170	= TMB72601
		TempMonFreq35	DEPMT170	= 60s
		FdirUnitId35	DEPMV170	= HifiIfv
		Tmax_on35	DEPMW170	= -6 <dec>
		Tmin_on35	DEPMX170	= -9 <dec>
		Tmax_off35	DEPMY170	= -6 <dec>
		Tmin_off35	DEPMZ170	= -9 <dec>
		ALPHA35	DEPN0170	= 0 <dec>
		BETA35	DEPN1170	= 0 <dec>
		GAMMA35	DEPN2170	= 0 <dec>
		DELTA35	DEPN3170	= 0 <dec>
		LAMBDA35	DEPN4170	= 0 <dec>
		TREF35	DEPN5170	= 0 <dec>
		QINST35	DEPN6170	= 11.4 <dec>
		NominalHtrId35	DEPN7170	= 1541 <dec>
		RedundantHtrId35	DEPN8170	= 3333 <dec>
		ToleranceTctLp35	DER3V170	= 0.7 <dec>
36		Control loop 36		Next Step: 37
		LoopStatus36	DEPN9170	= Enabled
		LoopClass36	DEPNA170	= ClassA

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		MonThrmstPar1_36	DEPNB170 = TMA69601	
		MonThrmstPar2_36	DEPNC170 = TMB17601	
		MonThrmstPar3_36	DEPND170 = TMB65601	
		TempMonFreq36	DEPNE170 = 60s	
		FdirUnitId36	DEPNG170 = Rw2	
		Tmax_on36	DEPNH170 = 4 <dec>	
		Tmin_on36	DEPNJ170 = 1 <dec>	
		Tmax_off36	DEPNK170 = 4 <dec>	
		Tmin_off36	DEPNL170 = 1 <dec>	
		ALPHA36	DEPNM170 = 0 <dec>	
		BETA36	DEPNN170 = 0 <dec>	
		GAMMA36	DEPNP170 = 0 <dec>	
		DELTA36	DEPNR170 = 0 <dec>	
		LAMBDA36	DEPNS170 = 0 <dec>	
		TREF36	DEPNT170 = 0 <dec>	
		QINST36	DEPNU170 = 11.39 <dec>	
		NominalHtrId36	DEPNV170 = 1542 <dec>	
		RedundantHtrId36	DEPNW170 = 3334 <dec>	
		ToleranceTctLp36	DER3W170 = 0.7 <dec>	
37		Control loop 37		Next Step: 38

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		LoopStatus37	DEPNX170	= Enabled
		LoopClass37	DEPNY170	= ClassB
		MonThrmstPar1_37	DEPNZ170	= TMA75601
		MonThrmstPar2_37	DEPP0170	= TMB23601
		MonThrmstPar3_37	DEPP1170	= TMB71601
		TempMonFreq37	DEPP2170	= 10s
		FdirUnitId37	DEPP4170	= StrB
		Tmax_on37	DEPP5170	= 2.0 <dec>
		Tmin_on37	DEPP6170	= -2.0 <dec>
		Tmax_off37	DEPP7170	= -4 <dec>
		Tmin_off37	DEPP8170	= -7 <dec>
		ALPHA37	DEPP9170	= 0.59518 <dec>
		BETA37	DEPPA170	= 0.000357108 <dec>
		GAMMA37	DEPPB170	= -0.594822892 <dec>
		DELTA37	DEPPC170	= 0.9048 <dec>
		LAMBDA37	DEPPD170	= -1.9048 <dec>
		TREF37	DEPPE170	= 0 <dec>
		QINST37	DEPPF170	= 21.98 <dec>
		NominalHtrId37	DEPPG170	= 1793 <dec>
		RedundantHtrId37	DEPPH170	= 3073 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		ToleranceTctLp37	DER3X170	= 0.7 <dec>
38		Control loop 38		Next Step: 39
		LoopStatus38	DEPPJ170	= Enabled
		LoopClass38	DEPPK170	= ClassA
		MonThrmstPar1_38	DEPPL170	= TMA51601
		MonThrmstPar2_38	DEPPM170	= TMA99601
		MonThrmstPar3_38	DEPPN170	= TMB47601
		TempMonFreq38	DEPPP170	= 60s
		FdirUnitId38	DEPPS170	= NomSurvThresh
		Tmax_on38	DEPPT170	= 4 <dec>
		Tmin_on38	DEPPU170	= 1 <dec>
		Tmax_off38	DEPPV170	= 4 <dec>
		Tmin_off38	DEPPW170	= 1 <dec>
		ALPHA38	DEPPX170	= 0 <dec>
		BETA38	DEPPY170	= 0 <dec>
		GAMMA38	DEPPZ170	= 0 <dec>
		DELTA38	DEPR0170	= 0 <dec>
		LAMBDA38	DEPR1170	= 0 <dec>
		TREF38	DEPR2170	= 0 <dec>
		QINST38	DEPR3170	= 14.9 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		NominalHtrId38	DEPR4170	= 1794 <dec>
		RedundantHtrId38	DEPR5170	= 3074 <dec>
		ToleranceTctLp38	DER3Y170	= 0.7 <dec>
39		Control loop 39		Next Step: 40
		LoopStatus39	DEPR6170	= Enabled
		LoopClass39	DEPR7170	= ClassB
		MonThrmstPar1_39	DEPR8170	= TMA64601
		MonThrmstPar2_39	DEPR9170	= TMB12601
		MonThrmstPar3_39	DEPRA170	= TMB60601
		TempMonFreq39	DEPRB170	= 10s
		FdirUnitId39	DEPRD170	= HifiWoh
		Tmax_on39	DEPRE170	= 5.5 <dec>
		Tmin_on39	DEPRF170	= 1.5 <dec>
		Tmax_off39	DEPRG170	= -0.5 <dec>
		Tmin_off39	DEPRH170	= -3.5 <dec>
		ALPHA39	DEPRJ170	= 0.4285 <dec>
		BETA39	DEPRK170	= 0.00029995 <dec>
		GAMMA39	DEPRL170	= -0.42820005 <dec>
		DELTA39	DEPRM170	= 0.9048 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		LAMBDA39	DEPRN170	= -1.9048 <dec>
		TREF39	DEPRP170	= 3.5 <dec>
		QINST39	DEPRR170	= 33.15 <dec>
		NominalHtrId39	DEPRS170	= 1795 <dec>
		RedundantHtrId39	DEPRT170	= 3075 <dec>
		ToleranceTctLp39	DER3Z170	= 4.0 degC
40		Control loop 40		Next Step: 41
		LoopStatus40	DEPRU170	= Enabled
		LoopClass40	DEPRV170	= ClassA
		MonThrmstPar1_40	DEPRW170	= TMA65601
		MonThrmstPar2_40	DEPRX170	= TMB13601
		MonThrmstPar3_40	DEPRY170	= TMB61601
		TempMonFreq40	DEPRZ170	= 60s
		FdirUnitId40	DEPS1170	= HifiWeh
		Tmax_on40	DEPS2170	= 4 <dec>
		Tmin_on40	DEPS3170	= 1 <dec>
		Tmax_off40	DEPS4170	= 4.0 <dec>
		Tmin_off40	DEPS5170	= 1.0 <dec>
		ALPHA40	DEPS6170	= 0 <dec>
		BETA40	DEPS7170	= 0 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		GAMMA40	DEPS8170	= 0 <dec>
		DELTA40	DEPS9170	= 0 <dec>
		LAMBDA40	DEPSA170	= 0 <dec>
		TREF40	DEPSB170	= 0 <dec>
		QINST40	DEPSC170	= 32.4 <dec>
		NominalHtrId40	DEPSD170	= 1796 <dec>
		RedundantHtrId40	DEPSE170	= 3076 <dec>
		ToleranceTctLp40	DER40170	= 0.7 <dec>
41		Control loop 41		Next Step: 42
		LoopStatus41	DEPSF170	= Enabled
		LoopClass41	DEPSG170	= ClassA
		MonThrmstPar1_41	DEPSH170	= TMA79601
		MonThrmstPar2_41	DEPSJ170	= TMB27601
		MonThrmstPar3_41	DEPSK170	= TMB75601
		TempMonFreq41	DEPSL170	= 60s
		FdirUnitId41	DEPSN170	= NomSurvThresh
		Tmax_on41	DEPSP170	= 17 <dec>
		Tmin_on41	DEPSR170	= 11 <dec>
		Tmax_off41	DEPSS170	= 17 <dec>
		Tmin_off41	DEPST170	= 11 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		ALPHA41	DEPSU170	= 0 <dec>
		BETA41	DEPSV170	= 0 <dec>
		GAMMA41	DEPSW170	= 0 <dec>
		DELTA41	DEPSX170	= 0 <dec>
		LAMBDA41	DEPSY170	= 0 <dec>
		TREF41	DEPSZ170	= 0 <dec>
		QINST41	DEPT0170	= 1.43 <dec>
		NominalHtrId41	DEPT1170	= 1797 <dec>
		RedundantHtrId41	DEPT2170	= 3077 <dec>
		ToleranceTctLp41	DER41170	= 2.5 <dec>
42		Control loop 42		Next Step: 43
		LoopStatus42	DEPT3170	= Enabled
		LoopClass42	DEPT4170	= ClassA
		MonThrmstPar1_42	DEPT5170	= TMA80601
		MonThrmstPar2_42	DEPT6170	= TMB28601
		MonThrmstPar3_42	DEPT7170	= TMB76601
		TempMonFreq42	DEPT8170	= 60s
		FdirUnitId42	DEPTA170	= NomSurvThresh
		Tmax_on42	DEPTB170	= 17 <dec>
		Tmin_on42	DEPTC170	= 11 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Tmax_off42	DEPTD170	= 17 <dec>
		Tmin_off42	DEPTE170	= 11 <dec>
		ALPHA42	DEPTF170	= 0 <dec>
		BETA42	DEPTG170	= 0 <dec>
		GAMMA42	DEPTH170	= 0 <dec>
		DELTA42	DEPTJ170	= 0 <dec>
		LAMBDA42	DEPTK170	= 0 <dec>
		TREF42	DEPTL170	= 0 <dec>
		QINST42	DEPTM170	= 1.43 <dec>
		NominalHtrId42	DEPTN170	= 1798 <dec>
		RedundantHtrId42	DEPTP170	= 3078 <dec>
		ToleranceTctLp42	DER42170	= 2.5 <dec>
43		<i>Control loop 43</i>		Next Step: 44
		LoopStatus43	DEPTR170	= Enabled
		LoopClass43	DEPTS170	= ClassB
		MonThrmstPar1_43	DEPTT170	= TMA61601
		MonThrmstPar2_43	DEPTU170	= TMB09601
		MonThrmstPar3_43	DEPTV170	= TMB57601
		TempMonFreq43	DEPTW170	= 10s
		FdirUnitId43	DEPTY170	= HifiHrv

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Tmax_on43 DEPTZ170	= 24.0 <dec>	
		Tmin_on43 DEPU0170	= 20.0 <dec>	
		Tmax_off43 DEPU1170	= -6 <dec>	
		Tmin_off43 DEPU2170	= -9 <dec>	
		ALPHA43 DEPU3170	= 0.80337 <dec>	
		BETA43 DEPU4170	= 0.000723033 <dec>	
		GAMMA43 DEPU5170	= -0.802646967 <dec>	
		DELTA43 DEPU6170	= 0.9028 <dec>	
		LAMBDA43 DEPU7170	= -1.9028 <dec>	
		TREF43 DEPU8170	= 22.0 <dec>	
		QINST43 DEPU9170	= 38.98 <dec>	
		NominalHtrId43 DEPUA170	= 2049 <dec>	
		RedundantHtrId43 DEPUB170	= 2817 <dec>	
		ToleranceTctLp43 DER43170	= 1.2 degC	
44		Control loop 44		Next Step: 45
		LoopStatus44 DEPUC170	= Enabled	
		LoopClass44 DEPUD170	= ClassA	
		MonThrmstPar1_44 DEPUE170	= TMA82601	
		MonThrmstPar2_44 DEPUF170	= TMB30601	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		MonThrmstPar3_44	DEPUG170	= TMB78601
		TempMonFreq44	DEPUH170	= 60s
		FdirUnitId44	DEPUK170	= NomSurvThresh
		Tmax_on44	DEPUL170	= 17 <dec>
		Tmin_on44	DEPUM170	= 11 <dec>
		Tmax_off44	DEPUN170	= 17 <dec>
		Tmin_off44	DEPUP170	= 11 <dec>
		ALPHA44	DEPUR170	= 0 <dec>
		BETA44	DEPUS170	= 0 <dec>
		GAMMA44	DEPUT170	= 0 <dec>
		DELTA44	DEPUU170	= 0 <dec>
		LAMBDA44	DEPUV170	= 0 <dec>
		TREF44	DEPUW170	= 0 <dec>
		QINST44	DEPUX170	= 1.43 <dec>
		NominalHtrId44	DEPUY170	= 2050 <dec>
		RedundantHtrId44	DEPUZ170	= 2818 <dec>
		ToleranceTctLp44	DER44170	= 2.5 <dec>
45		Control loop 45		Next Step: 46
		LoopStatus45	DEPV0170	= Enabled
		LoopClass45	DEPV1170	= ClassA

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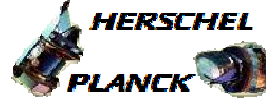
Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		MonThrmstPar1_45	DEPV2170	= TMA83601
		MonThrmstPar2_45	DEPV3170	= TMB31601
		MonThrmstPar3_45	DEPV4170	= TMB79601
		TempMonFreq45	DEPV5170	= 60s
		FdirUnitId45	DEPV7170	= NomSurvThresh
		Tmax_on45	DEPV8170	= 24 <dec>
		Tmin_on45	DEPV9170	= 23 <dec>
		Tmax_off45	DEPVA170	= 24 <dec>
		Tmin_off45	DEPVB170	= 23 <dec>
		ALPHA45	DEPVC170	= 0 <dec>
		BETA45	DEPVD170	= 0 <dec>
		GAMMA45	DEPVE170	= 0 <dec>
		DELTA45	DEPVF170	= 0 <dec>
		LAMBDA45	DEPVG170	= 0 <dec>
		TREF45	DEPVH170	= 0 <dec>
		QINST45	DEPVJ170	= 5.21 <dec>
		NominalHtrId45	DEPVK170	= 2051 <dec>
		RedundantHtrId45	DEPVL170	= 2819 <dec>
		ToleranceTctLp45	DER45170	= 0.7 <dec>
46		Control loop 46		Next Step: 47

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		LoopStatus46	DEPVM170	= Enabled
		LoopClass46	DEPVN170	= ClassA
		MonThrmstPar1_46	DEPVP170	= TMA84601
		MonThrmstPar2_46	DEPVR170	= TMB32601
		MonThrmstPar3_46	DEPVS170	= TMB80601
		TempMonFreq46	DEPVT170	= 10s
		FdirUnitId46	DEPVV170	= StrBaffleB
		Tmax_on46	DEPVW170	= 14.5 <dec>
		Tmin_on46	DEPVX170	= 14 <dec>
		Tmax_off46	DEPVY170	= -20 <dec>
		Tmin_off46	DEPVZ170	= -20.5 <dec>
		ALPHA46	DEPW0170	= 0 <dec>
		BETA46	DEPW1170	= 0 <dec>
		GAMMA46	DEPW2170	= 0 <dec>
		DELTA46	DEPW3170	= 0 <dec>
		LAMBDA46	DEPW4170	= 0 <dec>
		TREF46	DEPW5170	= 0 <dec>
		QINST46	DEPW6170	= 7.05 <dec>
		NominalHtrId46	DEPW7170	= 2052 <dec>
		RedundantHtrId46	DEPW8170	= 2820 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		ToleranceTctLp46	DER46170	= 0.7 <dec>
47		Control loop 47		Next Step: 48
		LoopStatus47	DEPW9170	= Enabled
		LoopClass47	DEPWA170	= ClassA
		MonThrmstPar1_47	DEPWB170	= TMA85601
		MonThrmstPar2_47	DEPWC170	= TMB33601
		MonThrmstPar3_47	DEPWD170	= TMB81601
		TempMonFreq47	DEPWE170	= 60s
		FdirUnitId47	DEPWG170	= NomSurvThresh
		Tmax_on47	DEPWH170	= 24 <dec>
		Tmin_on47	DEPWJ170	= 23 <dec>
		Tmax_off47	DEPWK170	= 24 <dec>
		Tmin_off47	DEPWL170	= 23 <dec>
		ALPHA47	DEPWM170	= 0 <dec>
		BETA47	DEPWN170	= 0 <dec>
		GAMMA47	DEPWP170	= 0 <dec>
		DELTA47	DEPWR170	= 0 <dec>
		LAMBDA47	DEPWS170	= 0 <dec>
		TREF47	DEPWT170	= 0 <dec>
		QINST47	DEPWU170	= 9.68 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		NominalHtrId47	DEPWW170 = 2053 <dec>	
		RedundantHtrId47	DEPWW170 = 2821 <dec>	
		ToleranceTctLp47	DER47170 = 0.7 <dec>	
48		Control loop 48		Next Step: 49
		LoopStatus48	DEPWX170 = Enabled	
		LoopClass48	DEPWY170 = ClassA	
		MonThrmstPar1_48	DEPWZ170 = TMA67601	
		MonThrmstPar2_48	DEPX0170 = TMB15601	
		MonThrmstPar3_48	DEPX1170 = TMB63601	
		TempMonFreq48	DEPX2170 = 60s	
		FdirUnitId48	DEPX4170 = HifiLcu	
		Tmax_on48	DEPX5170 = 14.0 <dec>	
		Tmin_on48	DEPX6170 = 11.0 <dec>	
		Tmax_off48	DEPX7170 = 14 <dec>	
		Tmin_off48	DEPX8170 = 11 <dec>	
		ALPHA48	DEPX9170 = 0 <dec>	
		BETA48	DEPXA170 = 0 <dec>	
		GAMMA48	DEPXB170 = 0 <dec>	
		DELTA48	DEPXC170 = 0 <dec>	
		LAMBDA48	DEPXD170 = 0 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		TREF48	DEPXE170	= 0 <dec>
		QINST48	DEPXF170	= 20.9 <dec>
		NominalHtrId48	DEPXG170	= 2054 <dec>
		RedundantHtrId48	DEPXH170	= 2822 <dec>
		ToleranceTctLp48	DER48170	= 0.7 <dec>
49		<i>Control loop 49</i>		Next Step: 50
		LoopStatus49	DEPXJ170	= Disabled
		LoopClass49	DEPKK170	= ClassA
		MonThrmstPar1_49	DEPXL170	= 0 <dec>
		MonThrmstPar2_49	DEPXM170	= 0 <dec>
		MonThrmstPar3_49	DEPXN170	= 0 <dec>
		TempMonFreq49	DEPXP170	= 0 <dec>
		FdirUnitId49	DEPKS170	= 0 <dec>
		Tmax_on49	DEPXT170	= 0 <dec>
		Tmin_on49	DEPXU170	= 0 <dec>
		Tmax_off49	DEP XV170	= 0 <dec>
		Tmin_off49	DEP XW170	= 0 <dec>
		ALPHA49	DEP XX170	= 0 <dec>
		BETA49	DEP XY170	= 0 <dec>
		GAMMA49	DEP XZ170	= 0 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		DELTA49	DEPY0170	= 0 <dec>
		LAMBDA49	DEPY1170	= 0 <dec>
		TREF49	DEPY2170	= 0 <dec>
		QINST49	DEPY3170	= 0 <dec>
		NominalHtrId49	DEPY4170	= 0 <dec>
		RedundantHtrId49	DEPY5170	= 0 <dec>
		ToleranceTctLp49	DER49170	= 0 <dec>
50		Control loop 50		Next Step: 51
		LoopStatus50	DEPY6170	= Enabled
		LoopClass50	DEPY7170	= ClassA
		MonThrmstPar1_50	DEPY8170	= TMA74601
		MonThrmstPar2_50	DEPY9170	= TMB22601
		MonThrmstPar3_50	DEPYA170	= TMB70601
		TempMonFreq50	DEPYB170	= 60s
		FdirUnitId50	DEPYD170	= NomSurvThresh
		Tmax_on50	DEPYE170	= 14 <dec>
		Tmin_on50	DEPYF170	= 11 <dec>
		Tmax_off50	DEPYG170	= 14 <dec>
		Tmin_off50	DEPYH170	= 11 <dec>
		ALPHA50	DEPYJ170	= 0 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		BETA50	DEPYK170	= 0 <dec>
		GAMMA50	DEPYL170	= 0 <dec>
		DELTA50	DEPYM170	= 0 <dec>
		LAMBDA50	DEPYN170	= 0 <dec>
		TREF50	DEPYP170	= 0 <dec>
		QINST50	DEPYR170	= 5.4 <dec>
		NominalHtrId50	DEPYS170	= 2306 <dec>
		RedundantHtrId50	DEPYT170	= 2562 <dec>
		ToleranceTctLp50	DER4A170	= 0.7 <dec>
51		Control loop 51		Next Step: 52
		LoopStatus51	DEPYU170	= Enabled
		LoopClass51	DEPYV170	= ClassA
		MonThrmstPar1_51	DEPYW170	= TMA81601
		MonThrmstPar2_51	DEPYX170	= TMB29601
		MonThrmstPar3_51	DEPYZ170	= TMB77601
		TempMonFreq51	DEPYZ170	= 60s
		FdirUnitId51	DEPZ1170	= NomSurvThresh
		Tmax_on51	DEPZ2170	= 17 <dec>
		Tmin_on51	DEPZ3170	= 11 <dec>
		Tmax_off51	DEPZ4170	= 17 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Tmin_off51	DEPZ5170	= 11 <dec>
		ALPHA51	DEPZ6170	= 0 <dec>
		BETA51	DEPZ7170	= 0 <dec>
		GAMMA51	DEPZ8170	= 0 <dec>
		DELTA51	DEPZ9170	= 0 <dec>
		LAMBDA51	DEPZA170	= 0 <dec>
		TREF51	DEPZB170	= 0 <dec>
		QINST51	DEPZC170	= 1.43 <dec>
		NominalHtrId51	DEPZD170	= 2307 <dec>
		RedundantHtrId51	DEPZE170	= 2563 <dec>
		ToleranceTctLp51	DER4B170	= 2.5 <dec>
52		<i>Control loop 52</i>		Next Step: 53
		LoopStatus52	DEPZF170	= Enabled
		LoopClass52	DEPZG170	= ClassA
		MonThrmstPar1_52	DEPZH170	= TMA68601
		MonThrmstPar2_52	DEPZJ170	= TMB16601
		MonThrmstPar3_52	DEPZK170	= TMB64601
		TempMonFreq52	DEPZL170	= 60s
		FdirUnitId52	DEPZN170	= HifiLsu
		Tmax_on52	DEPZP170	= 14 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Tmin_on52	DEPZR170	= 11 <dec>
		Tmax_off52	DEPZS170	= 14 <dec>
		Tmin_off52	DEPZT170	= 11 <dec>
		ALPHA52	DEPZU170	= 0 <dec>
		BETA52	DEPZV170	= 0 <dec>
		GAMMA52	DEPZW170	= 0 <dec>
		DELTA52	DEPZX170	= 0 <dec>
		LAMBDA52	DEPZY170	= 0 <dec>
		TREF52	DEPZZ170	= 0 <dec>
		QINST52	DER00170	= 29 <dec>
		NominalHtrId52	DER01170	= 2308 <dec>
		RedundantHtrId52	DER02170	= 2564 <dec>
		ToleranceTctLp52	DER4C170	= 0.7 <dec>
53		<i>Control loop 53</i>		Next Step: 54
		LoopStatus53	DER03170	= Enabled
		LoopClass53	DER04170	= ClassA
		MonThrmstPar1_53	DER05170	= TMA62601
		MonThrmstPar2_53	DER06170	= TMB10601
		MonThrmstPar3_53	DER07170	= TMB58601
		TempMonFreq53	DER08170	= 10s

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		FdirUnitId53 DER0A170	= StrBaffleA	
		Tmax_on53 DER0B170	= 14.5 <dec>	
		Tmin_on53 DER0C170	= 14 <dec>	
		Tmax_off53 DER0D170	= -20 <dec>	
		Tmin_off53 DER0E170	= -20.5 <dec>	
		ALPHA53 DER0F170	= 0 <dec>	
		BETA53 DER0G170	= 0 <dec>	
		GAMMA53 DER0H170	= 0 <dec>	
		DELTA53 DER0J170	= 0 <dec>	
		LAMBDA53 DER0K170	= 0 <dec>	
		TREF53 DER0L170	= 0 <dec>	
		QINST53 DER0M170	= 7.05 <dec>	
		NominalHtrId53 DER0N170	= 2309 <dec>	
		RedundantHtrId53 DER0P170	= 2565 <dec>	
		ToleranceTctLp53 DER4D170	= 0.7 <dec>	
54		Control loop 54		Next Step: END
		LoopStatus54 DER0R170	= Enabled	
		LoopClass54 DER0S170	= ClassA	
		MonThrmstPar1_54 DER0T170	= TMA73601	
		MonThrmstPar2_54 DER0U170	= TMB21601	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		MonThrmstPar3_54	DER0V170	= TMB69601
		TempMonFreq54	DER0W170	= 60s
		FdirUnitId54	DER0Y170	= NomSurvThresh
		Tmax_on54	DER0Z170	= 14 <dec>
		Tmin_on54	DER10170	= 11 <dec>
		Tmax_off54	DER11170	= 14 <dec>
		Tmin_off54	DER12170	= 11 <dec>
		ALPHA54	DER13170	= 0 <dec>
		BETA54	DER14170	= 0 <dec>
		GAMMA54	DER15170	= 0 <dec>
		DELTA54	DER16170	= 0 <dec>
		LAMBDA54	DER17170	= 0 <dec>
		TREF54	DER18170	= 0 <dec>
		QINST54	DER19170	= 5.4 <dec>
		NominalHtrId54	DER1A170	= 2310 <dec>
		RedundantHtrId54	DER1B170	= 2566 <dec>
		ToleranceTctLp54	DER4E170	= 0.7 <dec>
End of Procedure				