

TCS FCCT (FDIR Cross Correlated Table) Ground TOPE Check
 File: H_FCP_TCS_FCCG.xls
 Author: E. Picallo



Procedure Summary

Objectives

This procedure describes the TCS FCCT (FDIR Cross Correlated Table) Ground TOPE Check

Summary of Constraints

With the current default CDMU ASW 3.10 thermal limits defined in the FCCT for flight, some alarms can be generated on ground by the thermal FDIR due to some units being too cold or too hot. In order to avoid alarms on the launch pad, some limits need to be modified in the FCCT. The aim of this procedure is to verify the expected values of the FCCT modified on launch pad

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
 (None)

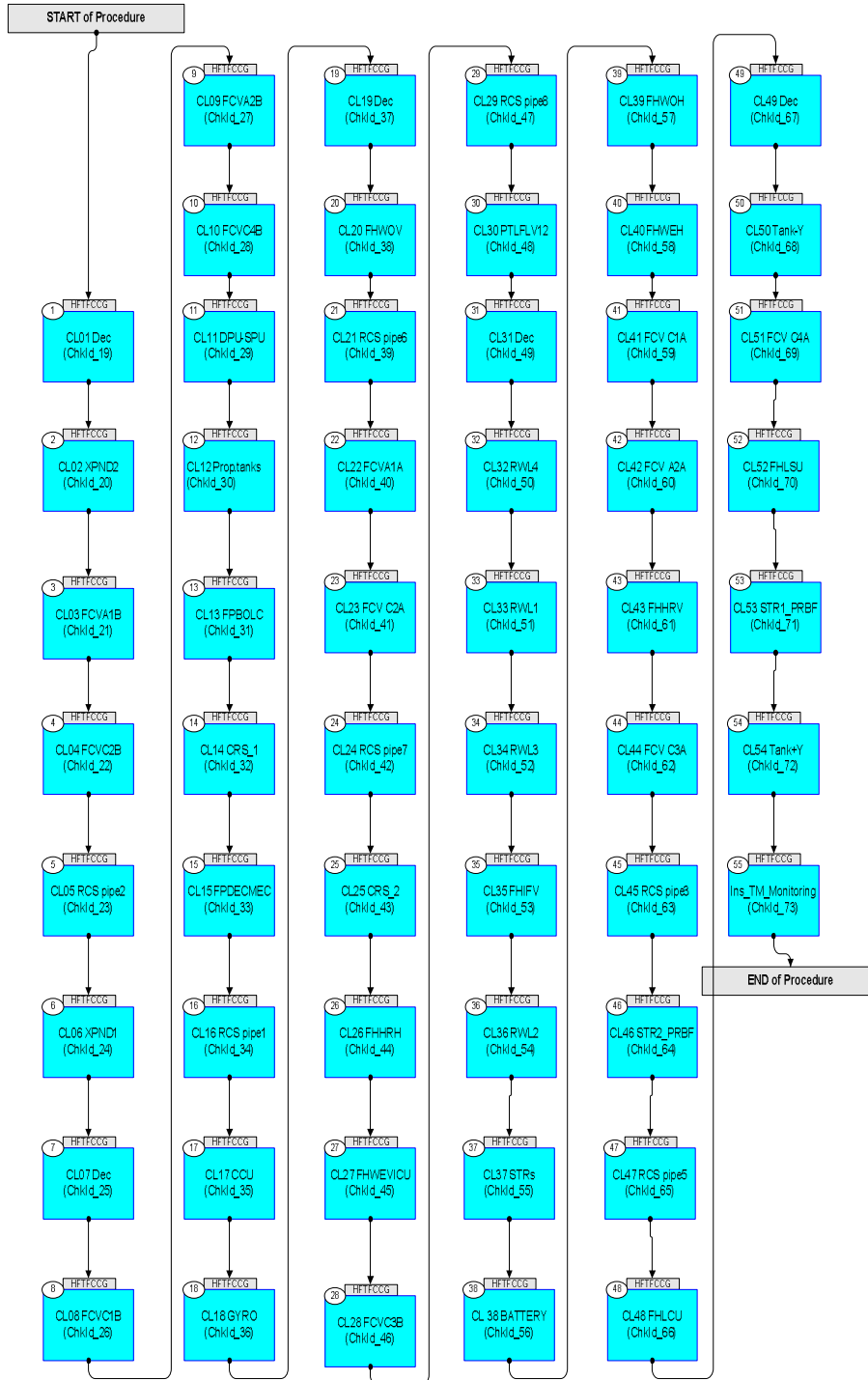
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
17/04/09		1	Created	E. Picallo	
21/04/09	2.3	2	Rx power checks deleted	E. Picallo	

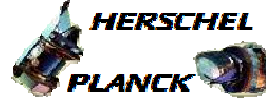
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Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
Beginning of Procedure				
TC Seq. Name : HFTFCCG (TCS FCCT Ground TOPE)				
TimeTag Type: Sub Schedule ID: □				
1		CL01 Dec (ChkId_19)		Next Step: 2
		FdirLowNOP1	DE510170	= 0 <dec>
		FdirHighNOP1	DE511170	= 0 <dec>
		Timeout1	DE512170	= 0 <dec>
		ColdStartTemp1	DE513170	= 0 <dec>
		FdirLowOP1	DE514170	= 0 <dec>
		FdirHighOP1	DE515170	= 0 <dec>
2		CL02 XPND2 (ChkId_20)		Next Step: 3
		FdirLowNOP2	DE518170	= -12 <dec>
		FdirHighNOP2	DE519170	= 52 <dec>
		Timeout2	DE520170	= 64800 <dec>
		ColdStartTemp2	DE521170	= -12 <dec>
		FdirLowOP2	DE522170	= -12 <dec>
		FdirHighOP2	DE523170	= 52 <dec>
3		CL03 FCVA1B (ChkId_21)		Next Step: 4
		FdirLowNOP3	DE526170	= 8 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		FdirHighNOP3	DE527170	= 90 <dec>
		Timeout3	DE528170	= 64800 <dec>
		ColdStartTemp3	DE529170	= 8 <dec>
		FdirLowOP3	DE530170	= 8 <dec>
		FdirHighOP3	DE531170	= 90 <dec>
4		CL04 FCVC2B (ChkId_22)		Next Step: 5
		FdirLowNOP4	DE534170	= 8 <dec>
		FdirHighNOP4	DE535170	= 90 <dec>
		Timeout4	DE536170	= 64800 <dec>
		ColdStartTemp4	DE537170	= 8 <dec>
		FdirLowOP4	DE538170	= 8 <dec>
		FdirHighOP4	DE539170	= 90 <dec>
5		CL05 RCS pipe2 (ChkId_23)		Next Step: 6
		FdirLowNOP5	DE542170	= 8.0 <dec>
		FdirHighNOP5	DE543170	= 52 <dec>
		Timeout5	DE544170	= 64800 <dec>
		ColdStartTemp5	DE545170	= 8.0 <dec>
		FdirLowOP5	DE546170	= 8.0 <dec>
		FdirHighOP5	DE547170	= 52 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
6		CL06 XPND1 (ChkId_24)		Next Step: 7
		FdirLowNOP6	DE550170	= -12 <dec>
		FdirHighNOP6	DE551170	= 52 <dec>
		Timeout6	DE552170	= 64800 <dec>
		ColdStartTemp6	DE553170	= -12 <dec>
		FdirLowOP6	DE554170	= -12 <dec>
		FdirHighOP6	DE555170	= 52 <dec>
7		CL07 Dec (ChkId_25)		Next Step: 8
		FdirLowNOP7	DE558170	= 0 <dec>
		FdirHighNOP7	DE559170	= 0 <dec>
		Timeout7	DE560170	= 0 <dec>
		ColdStartTemp7	DE561170	= 0 <dec>
		FdirLowOP7	DE562170	= 0 <dec>
		FdirHighOP7	DE563170	= 0 <dec>
8		CL08 FCVC1B (ChkId_26)		Next Step: 9
		FdirLowNOP8	DE566170	= 8 <dec>
		FdirHighNOP8	DE567170	= 90 <dec>
		Timeout8	DE568170	= 64800 <dec>
		ColdStartTemp8	DE569170	= 8 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		FdirLowOP8	DE570170	= 8 <dec>
		FdirHighOP8	DE571170	= 90 <dec>
9		CL09 FCVA2B (ChkId_27)		Next Step: 10
		FdirLowNOP9	DE574170	= 8 <dec>
		FdirHighNOP9	DE575170	= 90 <dec>
		Timeout9	DE576170	= 64800 <dec>
		ColdStartTemp9	DE577170	= 8 <dec>
		FdirLowOP9	DE578170	= 8 <dec>
		FdirHighOP9	DE579170	= 90 <dec>
10		CL10 FCVC4B (ChkId_28)		Next Step: 11
		FdirLowNOP10	DE582170	= 8 <dec>
		FdirHighNOP10	DE583170	= 90 <dec>
		Timeout10	DE584170	= 64800 <dec>
		ColdStartTemp10	DE585170	= 8 <dec>
		FdirLowOP10	DE586170	= 8 <dec>
		FdirHighOP10	DE587170	= 90 <dec>
11		CL11 DPU-SPU (ChkId_29)		Next Step: 12
		FdirLowNOP11	DE590170	= -25 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		FdirHighNOP11	DE591170	= 47 <dec>
		Timeout11	DE592170	= 64800 <dec>
		ColdStartTemp11	DE593170	= -25 <dec>
		FdirLowOP11	DE594170	= -17 <dec>
		FdirHighOP11	DE595170	= 47 <dec>
12		<i>CL12 Prop.tanks (ChkId_30)</i>		Next Step: 13
		FdirLowNOP12	DE598170	= 0 <dec>
		FdirHighNOP12	DE599170	= 0 <dec>
		Timeout12	DE600170	= 0 <dec>
		ColdStartTemp12	DE601170	= 0 <dec>
		FdirLowOP12	DE602170	= 0 <dec>
		FdirHighOP12	DE603170	= 0 <dec>
13		<i>CL13 FPBOLC (ChkId_31)</i>		Next Step: 14
		FdirLowNOP13	DE606170	= -21 <dec>
		FdirHighNOP13	DE607170	= 47 <dec>
		Timeout13	DE608170	= 64800 <dec>
		ColdStartTemp13	DE609170	= -21 <dec>
		FdirLowOP13	DE610170	= -17 <dec>
		FdirHighOP13	DE611170	= 47 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
14		CL14 CRS_1 (ChkId_32)		Next Step: 15
		FdirLowNOP14	DE614170	= 8.0 <dec>
		FdirHighNOP14	DE615170	= 52 <dec>
		Timeout14	DE616170	= 64800 <dec>
		ColdStartTemp14	DE617170	= 8.0 <dec>
		FdirLowOP14	DE618170	= 8.0 <dec>
		FdirHighOP14	DE619170	= 52 <dec>
15		CL15 FPDECMEC (ChkId_33)		Next Step: 16
		FdirLowNOP15	DE622170	= -22 <dec>
		FdirHighNOP15	DE623170	= 47 <dec>
		Timeout15	DE624170	= 64800 <dec>
		ColdStartTemp15	DE625170	= -22 <dec>
		FdirLowOP15	DE626170	= -17 <dec>
		FdirHighOP15	DE627170	= 47 <dec>
16		CL16 RCS pipe1 (ChkId_34)		Next Step: 17
		FdirLowNOP16	DE630170	= 8.0 <dec>
		FdirHighNOP16	DE631170	= 52 <dec>
		Timeout16	DE632170	= 64800 <dec>
		ColdStartTemp16	DE633170	= 8.0 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		FdirLowNOP16	DE634170	= 8.0 <dec>
		FdirHighNOP16	DE635170	= 52 <dec>
17		CL17 CCU (ChkId_35)		Next Step: 18
		FdirLowNOP17	DE638170	= 3 <dec>
		FdirHighNOP17	DE639170	= 42 <dec>
		Timeout17	DE640170	= 64800 <dec>
		ColdStartTemp17	DE641170	= 3 <dec>
		FdirLowNOP17	DE642170	= 3 <dec>
		FdirHighNOP17	DE643170	= 42 <dec>
18		CL18 GYRO (ChkId_36)		Next Step: 19
		FdirLowNOP18	DE646170	= 8.0 <dec>
		FdirHighNOP18	DE647170	= 65 <dec>
		Timeout18	DE648170	= 64800 <dec>
		ColdStartTemp18	DE649170	= 8.0 <dec>
		FdirLowNOP18	DE650170	= 8.0 <dec>
		FdirHighNOP18	DE651170	= 65 <dec>
19		CL19 Dec (ChkId_37)		Next Step: 20
		FdirLowNOP19	DE654170	= 0 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		FdirHighNOP19	DE655170	= 0 <dec>
		Timeout19	DE656170	= 0 <dec>
		ColdStartTemp19	DE657170	= 0 <dec>
		FdirLowOP19	DE658170	= 0 <dec>
		FdirHighOP19	DE659170	= 0 <dec>
20		CL20 FHWOV (ChkId_38)		Next Step: 21
		FdirLowNOP20	DE662170	= -20.0 <dec>
		FdirHighNOP20	DE663170	= 30.0 <dec>
		Timeout20	DE664170	= 64800 <dec>
		ColdStartTemp20	DE665170	= -20.0 <dec>
		FdirLowOP20	DE666170	= 2 <dec>
		FdirHighOP20	DE667170	= 30.0 <dec>
21		CL21 RCS pipe6 (ChkId_39)		Next Step: 22
		FdirLowNOP21	DE670170	= 8.0 <dec>
		FdirHighNOP21	DE671170	= 52 <dec>
		Timeout21	DE672170	= 64800 <dec>
		ColdStartTemp21	DE673170	= 8.0 <dec>
		FdirLowOP21	DE674170	= 8.0 <dec>
		FdirHighOP21	DE675170	= 52 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
22		CL22 FCVA1A (ChkId_40)		Next Step: 23
		FdirLowNOP22	DE678170	= 8 <dec>
		FdirHighNOP22	DE679170	= 90 <dec>
		Timeout22	DE680170	= 64800 <dec>
		ColdStartTemp22	DE681170	= 8 <dec>
		FdirLowOP22	DE682170	= 8 <dec>
		FdirHighOP22	DE683170	= 90 <dec>
23		CL23 FCV C2A (ChkId_41)		Next Step: 24
		FdirLowNOP23	DE686170	= 8 <dec>
		FdirHighNOP23	DE687170	= 90 <dec>
		Timeout23	DE688170	= 64800 <dec>
		ColdStartTemp23	DE689170	= 8 <dec>
		FdirLowOP23	DE690170	= 8 <dec>
		FdirHighOP23	DE691170	= 90 <dec>
24		CL24 RCS pipe7 (ChkId_42)		Next Step: 25
		FdirLowNOP24	DE694170	= 8.0 <dec>
		FdirHighNOP24	DE695170	= 52 <dec>
		Timeout24	DE696170	= 64800 <dec>
		ColdStartTemp24	DE697170	= 8.0 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		FdirLowOP24 DE698170	= 8.0 <dec>	
		FdirHighOP24 DE699170	= 52 <dec>	
25		CL25 CRS_2 (ChkId_43)		Next Step: 26
		FdirLowNOP25 DE702170	= 8.0 <dec>	
		FdirHighNOP25 DE703170	= 52 <dec>	
		Timeout25 DE704170	= 64800 <dec>	
		ColdStartTemp25 DE705170	= 8.0 <dec>	
		FdirLowOP25 DE706170	= 8.0 <dec>	
		FdirHighOP25 DE707170	= 52 <dec>	
26		CL26 FHHRH (ChkId_44)		Next Step: 27
		FdirLowNOP26 DE710170	= -22 <dec>	
		FdirHighNOP26 DE711170	= 40.0 <dec>	
		Timeout26 DE712170	= 64800 <dec>	
		ColdStartTemp26 DE713170	= -22 <dec>	
		FdirLowOP26 DE714170	= 8.0 <dec>	
		FdirHighOP26 DE715170	= 40.0 <dec>	
27		CL27 FHWEVICU (ChkId_45)		Next Step: 28
		FdirLowNOP27 DE718170	= -22.0 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		FdirHighNOP27	DE719170	= 32 <dec>
		Timeout27	DE720170	= 64800 <dec>
		ColdStartTemp27	DE721170	= -22.0 <dec>
		FdirLowOP27	DE722170	= -2 <dec>
		FdirHighOP27	DE723170	= 32 <dec>
28		CL28 FCVC3B (ChkId_46)		Next Step: 29
		FdirLowNOP28	DE726170	= 8 <dec>
		FdirHighNOP28	DE727170	= 90 <dec>
		Timeout28	DE728170	= 64800 <dec>
		ColdStartTemp28	DE729170	= 8 <dec>
		FdirLowOP28	DE730170	= 8 <dec>
		FdirHighOP28	DE731170	= 90 <dec>
29		CL29 RCS pipe8 (ChkId_47)		Next Step: 30
		FdirLowNOP29	DE734170	= 8.0 <dec>
		FdirHighNOP29	DE735170	= 52 <dec>
		Timeout29	DE736170	= 64800 <dec>
		ColdStartTemp29	DE737170	= 8.0 <dec>
		FdirLowOP29	DE738170	= 8.0 <dec>
		FdirHighOP29	DE739170	= 52 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
30		CL30 PTLFLV12 (ChkId_48)		Next Step: 31
		FdirLowNOP30 DE742170	= 8.0 <dec>	
		FdirHighNOP30 DE743170	= 52 <dec>	
		Timeout30 DE744170	= 64800 <dec>	
		ColdStartTemp30 DE745170	= 8.0 <dec>	
		FdirLowOP30 DE746170	= 8.0 <dec>	
		FdirHighOP30 DE747170	= 52 <dec>	
31		CL31 Dec (ChkId_49)		Next Step: 32
		FdirLowNOP31 DE750170	= 0 <dec>	
		FdirHighNOP31 DE751170	= 0 <dec>	
		Timeout31 DE752170	= 0 <dec>	
		ColdStartTemp31 DE753170	= 0 <dec>	
		FdirLowOP31 DE754170	= 0 <dec>	
		FdirHighOP31 DE755170	= 0 <dec>	
32		CL32 RWL4 (ChkId_50)		Next Step: 33
		FdirLowNOP32 DE758170	= -6 <dec>	
		FdirHighNOP32 DE759170	= 57 <dec>	
		Timeout32 DE760170	= 64800 <dec>	
		ColdStartTemp32 DE761170	= -6 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		FdirLowOP32 DE762170	= -2 <dec>	
		FdirHighOP32 DE763170	= 57 <dec>	
33		CL33 RWL1 (ChkId_51)		Next Step: 34
		FdirLowNOP33 DE766170	= -6 <dec>	
		FdirHighNOP33 DE767170	= 57 <dec>	
		Timeout33 DE768170	= 64800 <dec>	
		ColdStartTemp33 DE769170	= -6 <dec>	
		FdirLowOP33 DE770170	= -2 <dec>	
		FdirHighOP33 DE771170	= 57 <dec>	
34		CL34 RWL3 (ChkId_52)		Next Step: 35
		FdirLowNOP34 DE774170	= -6 <dec>	
		FdirHighNOP34 DE775170	= 57 <dec>	
		Timeout34 DE776170	= 64800 <dec>	
		ColdStartTemp34 DE777170	= -6 <dec>	
		FdirLowOP34 DE778170	= -2 <dec>	
		FdirHighOP34 DE779170	= 57 <dec>	
35		CL35 FHIFV (ChkId_53)		Next Step: 36
		FdirLowNOP35 DE782170	= -12 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		FdirHighNOP35	DE783170	= 42 <dec>
		Timeout35	DE784170	= 64800 <dec>
		ColdStartTemp35	DE785170	= -12 <dec>
		FdirLowOP35	DE786170	= -12 <dec>
		FdirHighOP35	DE787170	= 42 <dec>
36		CL36 RWL2 (ChkId_54)		Next Step: 37
		FdirLowNOP36	DE790170	= -6 <dec>
		FdirHighNOP36	DE791170	= 57 <dec>
		Timeout36	DE792170	= 64800 <dec>
		ColdStartTemp36	DE793170	= -6 <dec>
		FdirLowOP36	DE794170	= -2 <dec>
		FdirHighOP36	DE795170	= 57 <dec>
37		CL37 STRs (ChkId_55)		Next Step: 38
		FdirLowNOP37	DE798170	= -10 <dec>
		FdirHighNOP37	DE799170	= 40.0 <dec>
		Timeout37	DEZ00170	= 64800 <dec>
		ColdStartTemp37	DEZ01170	= -10 <dec>
		FdirLowOP37	DEZ02170	= -3 <dec>
		FdirHighOP37	DEZ03170	= 40.0 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
38		CL 38 BATTERY (ChkId_56)		Next Step: 39
		FdirLowNOP38	DEZ06170	= -2 <dec>
		FdirHighNOP38	DEZ07170	= 37 <dec>
		Timeout38	DEZ08170	= 64800 <dec>
		ColdStartTemp38	DEZ09170	= -2 <dec>
		FdirLowOP38	DEZ10170	= -2 <dec>
		FdirHighOP38	DEZ11170	= 37 <dec>
39		CL39 FHWOH (ChkId_57)		Next Step: 40
		FdirLowNOP39	DEZ14170	= -15.0 <dec>
		FdirHighNOP39	DEZ15170	= 30.0 <dec>
		Timeout39	DEZ16170	= 64800 <dec>
		ColdStartTemp39	DEZ17170	= -15.0 <dec>
		FdirLowOP39	DEZ18170	= 1 <dec>
		FdirHighOP39	DEZ19170	= 30.0 <dec>
40		CL40 FHWEH (ChkId_58)		Next Step: 41
		FdirLowNOP40	DEZ22170	= -7.0 <dec>
		FdirHighNOP40	DEZ23170	= 32 <dec>
		Timeout40	DEZ24170	= 64800 <dec>
		ColdStartTemp40	DEZ25170	= -7.0 <dec>

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		FdirLowNOP40	DEZ26170	= -2 <dec>
		FdirHighNOP40	DEZ27170	= 32 <dec>
41		CL41 FCV C1A (ChkId_59)		Next Step: 42
		FdirLowNOP41	DEZ30170	= 8 <dec>
		FdirHighNOP41	DEZ31170	= 90 <dec>
		Timeout41	DEZ32170	= 64800 <dec>
		ColdStartTemp41	DEZ33170	= 8 <dec>
		FdirLowNOP41	DEZ34170	= 8 <dec>
		FdirHighNOP41	DEZ35170	= 90 <dec>
42		CL42 FCV A2A (ChkId_60)		Next Step: 43
		FdirLowNOP42	DEZ38170	= 8 <dec>
		FdirHighNOP42	DEZ39170	= 90 <dec>
		Timeout42	DEZ40170	= 64800 <dec>
		ColdStartTemp42	DEZ41170	= 8 <dec>
		FdirLowNOP42	DEZ42170	= 8 <dec>
		FdirHighNOP42	DEZ43170	= 90 <dec>
43		CL43 FHHRV (ChkId_61)		Next Step: 44
		FdirLowNOP43	DEZ46170	= -25 <dec>

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		FdirHighNOP43	DEZ47170	= 40.0 <dec>
		Timeout43	DEZ48170	= 64800 <dec>
		ColdStartTemp43	DEZ49170	= -25 <dec>
		FdirLowOP43	DEZ50170	= 8.0 <dec>
		FdirHighOP43	DEZ51170	= 40.0 <dec>
44		CL44 FCV C3A (ChkId_62)		Next Step: 45
		FdirLowNOP44	DEZ54170	= 8 <dec>
		FdirHighNOP44	DEZ55170	= 90 <dec>
		Timeout44	DEZ56170	= 64800 <dec>
		ColdStartTemp44	DEZ57170	= 8 <dec>
		FdirLowOP44	DEZ58170	= 8 <dec>
		FdirHighOP44	DEZ59170	= 90 <dec>
45		CL45 RCS pipe3 (ChkId_63)		Next Step: 46
		FdirLowNOP45	DEZ62170	= 8.0 <dec>
		FdirHighNOP45	DEZ63170	= 52 <dec>
		Timeout45	DEZ64170	= 64800 <dec>
		ColdStartTemp45	DEZ65170	= 8.0 <dec>
		FdirLowOP45	DEZ66170	= 8.0 <dec>
		FdirHighOP45	DEZ67170	= 52 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
46		CL46 STR2_PRBF (ChkId_64)		Next Step: 47
		FdirLowNOP46	DEZ70170	= -23.5 <dec>
		FdirHighNOP46	DEZ71170	= 40.0 <dec>
		Timeout46	DEZ72170	= 64800 <dec>
		ColdStartTemp46	DEZ73170	= -23.5 <dec>
		FdirLowOP46	DEZ74170	= 8.0 <dec>
		FdirHighOP46	DEZ75170	= 40.0 <dec>
47		CL47 RCS pipe5 (ChkId_65)		Next Step: 48
		FdirLowNOP47	DEZ78170	= 8.0 <dec>
		FdirHighNOP47	DEZ79170	= 52 <dec>
		Timeout47	DEZ80170	= 64800 <dec>
		ColdStartTemp47	DEZ81170	= 8.0 <dec>
		FdirLowOP47	DEZ82170	= 8.0 <dec>
		FdirHighOP47	DEZ83170	= 52 <dec>
48		CL48 FHLCU (ChkId_66)		Next Step: 49
		FdirLowNOP48	DEZ86170	= -20.0 <dec>
		FdirHighNOP48	DEZ87170	= 42 <dec>
		Timeout48	DEZ88170	= 64800 <dec>
		ColdStartTemp48	DEZ89170	= -20.0 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		FdirLowOP48	DEZ90170	= 8.0 <dec>
		FdirHighOP48	DEZ91170	= 42 <dec>
49		CL49 Dec (ChkId_67)		Next Step: 50
		FdirLowNOP49	DEZ94170	= 0 <dec>
		FdirHighNOP49	DEZ95170	= 0 <dec>
		Timeout49	DEZ96170	= 0 <dec>
		ColdStartTemp49	DEZ97170	= 0 <dec>
		FdirLowOP49	DEZ98170	= 0 <dec>
		FdirHighOP49	DEZ99170	= 0 <dec>
50		CL50 Tank-Y (ChkId_68)		Next Step: 51
		FdirLowNOP50	DEY02170	= 8 <dec>
		FdirHighNOP50	DEY03170	= 40.0 <dec>
		Timeout50	DEY04170	= 64800 <dec>
		ColdStartTemp50	DEY05170	= 8 <dec>
		FdirLowOP50	DEY06170	= 8 <dec>
		FdirHighOP50	DEY07170	= 40.0 <dec>
51		CL51 FCV C4A (ChkId_69)		Next Step: 52
		FdirLowNOP51	DEY10170	= 8 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		FdirHighNOP51	DEY11170	= 90 <dec>
		Timeout51	DEY12170	= 64800 <dec>
		ColdStartTemp51	DEY13170	= 8 <dec>
		FdirLowOP51	DEY14170	= 8 <dec>
		FdirHighOP51	DEY15170	= 90 <dec>
52		CL52 FHLSU (ChkId_70)		Next Step: 53
		FdirLowNOP52	DEY18170	= -13.0 <dec>
		FdirHighNOP52	DEY19170	= 37.0 <dec>
		Timeout52	DEY20170	= 64800 <dec>
		ColdStartTemp52	DEY21170	= -13.0 <dec>
		FdirLowOP52	DEY22170	= 8 <dec>
		FdirHighOP52	DEY23170	= 37.0 <dec>
53		CL53 STR1_PRBF (ChkId_71)		Next Step: 54
		FdirLowNOP53	DEY26170	= -23.5 <dec>
		FdirHighNOP53	DEY27170	= 40.0 <dec>
		Timeout53	DEY28170	= 64800 <dec>
		ColdStartTemp53	DEY29170	= -23.5 <dec> (None)
		FdirLowOP53	DEY30170	= 8.0 <dec>
		FdirHighOP53	DEY31170	= 40.0 <dec>

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
54		CL54 Tank+Y (ChkId_72)		Next Step: 55
		FdirLowNOP54	DEY34170	= 8 <dec>
		FdirHighNOP54	DEY35170	= 40.0 <dec>
		Timeout54	DEY36170	= 64800 <dec>
		ColdStartTemp54	DEY37170	= 8 <dec>
		FdirLowOP54	DEY38170	= 8 <dec>
		FdirHighOP54	DEY39170	= 40.0 <dec>
55		Ins_TM_Monitoring (ChkId_73)		Next Step: END
		Verify Telemetry InstrTmDeltaT	DEY42170	= 30 <dec> (None)
End of Procedure				