

Roll back to Nominal Lou heating configuration  
 File: H\_CRP\_SYS\_LOUB.xls  
 Author: E. Picallo



## Procedure Summary

### Objectives

This procedure describes the steps needed to roll back to Nominal Lou heating configuration. i.e. To select the nominal LOU baffle decontamination heaters LCL 59 (Lou Dec Heater 1) and LCL 61 (Lou Dec Heater 2).

### Summary of Constraints

Lou Baffle Parameters are changed using ASW TC(8,4,118,3), thus the status of the ASW function "Lou Baffle Management" has to be "running".

### Spacecraft Configuration

#### Start of Procedure

CDMU in default configuration.  
 LOU baffle control is disabled  
 Redundant Lou Baffle heater configuration

#### End of Procedure

CDMU in default configuration  
 LOU baffle control is disabled  
 Nominal Lou Baffle heater configuration

### Reference File(s)

#### Input Command Sequences

#### Output Command Sequences

HRYLOUB

### Referenced Displays

ANDs      GRDs      SLDs

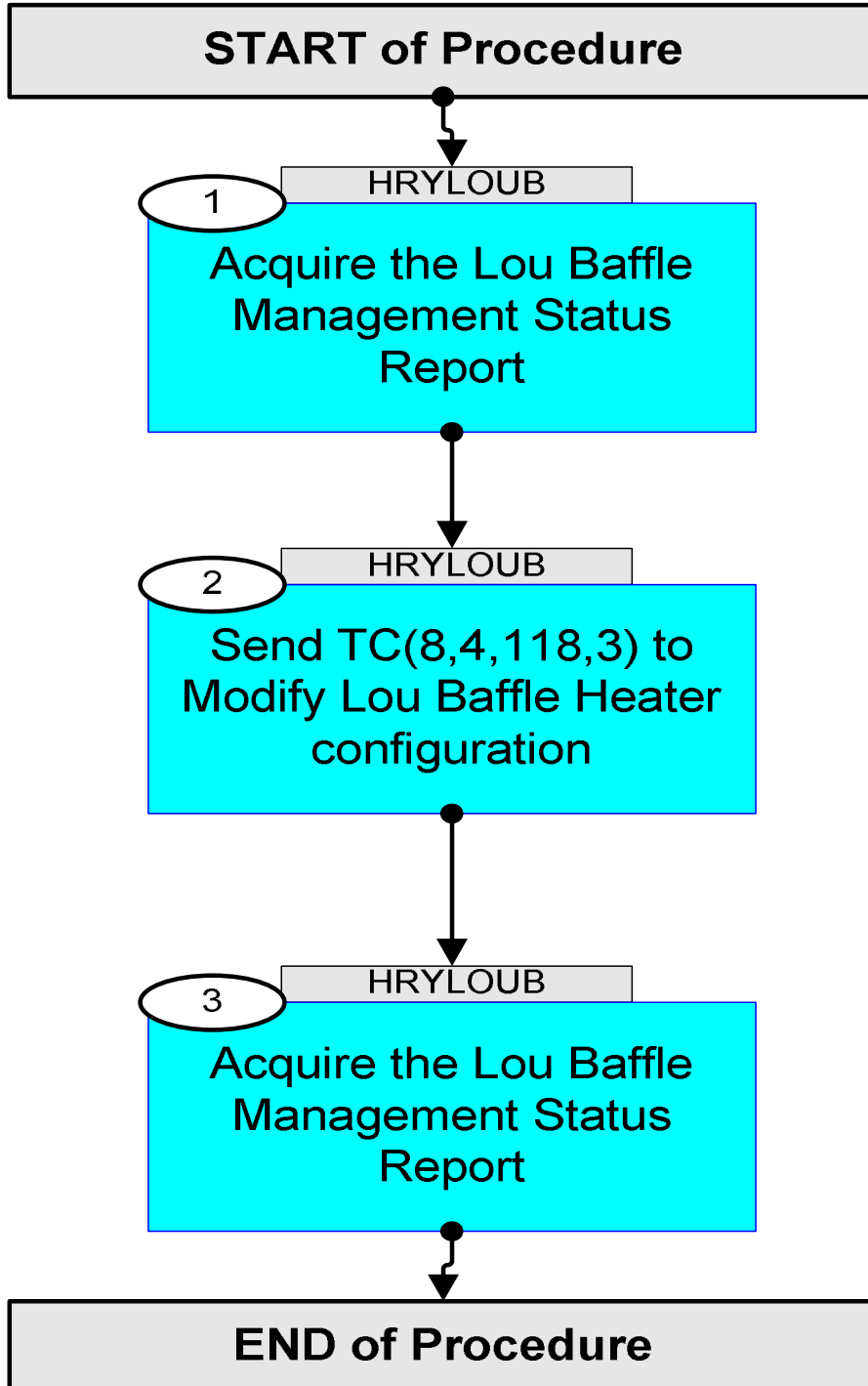
### Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
22/09/08		1	Created	E. Picallo	
08/01/09	2	2	LOU baffle thresholds reference updated to [220,230]K according to H-P-2-ASP-ID-1418 issue 4	E. Picallo	

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Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch																		
<b>Beginning of Procedure</b>																						
TC Seq. Name : HRYLOUB (RollBack LOUhr RtoN) Roll back to Nominal Lou heating configuration  TimeTag Type: N Sub Schedule ID:  <input type="checkbox"/>																						
1		Acquire the Lou Baffle Management Status Report		Next Step: 2																		
		<b>Call H_FCP_SYS_LOUS and verify that LOU baffle control is disabled and that the current heater configuration is the pair:</b> - LCL_61_66 or - LCL_59_66																				
		Execute Procedure: H_FCP_SYS_LOUS Lou Baffle Management Status Report																				
2		Send TC(8,4,118,3) to Modify Lou Baffle Heater configuration		Next Step: 3																		
		<b>Send TC(8,4,118,3) to Modify Heater Configuration to the nominal one:</b> - Lou Dec Heater 1 (LCL 59) - Lou Dec Heater 2 (LCL 61)																				
		Execute Telecommand <div style="text-align: right; margin-right: 100px;"><b>ModifLouBaffleParams</b></div> Command Parameter(s) : <table style="width: 100%; border: none;"> <tr> <td style="width: 40%;">ModLouBafHeatCf</td> <td style="width: 20%;">DH156170</td> <td style="width: 40%;">Yes (Def)</td> </tr> <tr> <td>ModLouBafLowThr</td> <td>DH157170</td> <td>No</td> </tr> <tr> <td>ModLouBafHiThr</td> <td>DH158170</td> <td>No</td> </tr> <tr> <td>LouBafHeatCnfId</td> <td>DH159170</td> <td>LCL_59_61 (Def)</td> </tr> <tr> <td>LouBafLowThr_C</td> <td>DH160170</td> <td>-53.15 degC</td> </tr> <tr> <td>LouBafHiThr_C</td> <td>DH161170</td> <td>-43.15 degC</td> </tr> </table> TC Control Flags : <div style="text-align: right; margin-right: 100px;">GBM IL DSE --Y -- ---</div> Subsch. ID : 10	ModLouBafHeatCf	DH156170	Yes (Def)	ModLouBafLowThr	DH157170	No	ModLouBafHiThr	DH158170	No	LouBafHeatCnfId	DH159170	LCL_59_61 (Def)	LouBafLowThr_C	DH160170	-53.15 degC	LouBafHiThr_C	DH161170	-43.15 degC	DCP05170	
ModLouBafHeatCf	DH156170	Yes (Def)																				
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LouBafLowThr_C	DH160170	-53.15 degC																				
LouBafHiThr_C	DH161170	-43.15 degC																				
		Det. descr. : TEMPLATE Modify Lou Baffle parameters TC(8,4,118,3)																				
3		Acquire the Lou Baffle Management Status Report		Next Step: END																		
		<b>Call H_FCP_SYS_LOUS and verify that the current heater configuration is the pair LCL 69_61</b>																				

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Procedure: H_FCP_SYS_LOUS Lou Baffle Management Status Report		
<b>End of Procedure</b>				