

## Title: IDPH Current Oscillation during Probe 2 TV Cold

PFK-104 Tille: IDPU	Current Osc	<u>mauon during</u>	Probe 2 1 v Cold
Balance #1			
Assembly: IDPU		SubAssembly : LVPS	
Component : ESA Supply		<b>Units Affected:</b>	<b>Units fixed:</b>
Originator: Michael Ludlam		- x	- x
Organization: UCB		Date: 03/MAY/06	
Phone: 510 642 7732		Email: mludlam@ssl.berkeley.edu	
Failure Occurred During (C.   Functional test   x Qualification te	est $\square$ S/C Integration	ion □ Launch operati	ons 🗆 Other
Environment when failure of Ambient		□ Shock	□ Acoustic
☐ Thermal ☐ Violation ☐ Vacuur		Thermal-Vacuum/Ba	
	Problem D		
During spacecraft thermal balance to IDPU ESA Imon also showed these had no load. The temperature at which	spikes when the Es	SA instrument was swas around 10 degrees.	vitched off – that the supply
		to Determine Ca	
Using the FM6 LVPS supply the sar vacuum chamber. The total supply c the load on the supply to the ESA (2 and whether onset was influenced by circuit elements through which the p derated, i.e., the currents flowing we had 75 mA flowing through it.	current was monitor 28 V). The exact pay load. The load repotentially damaging	red while adjusting the points of initialization equired to terminate the g current might flow	e input voltage and changing and termination were noted, he condition was tested. The were found to be adequately
C	Corrective Acti	on/ Resolution	
The resolution for this PFR is to use happens in a narrow temperature wir unlikely to happen during operations range it was decided to use the supplies therefore, safely remote.	as is. The oscillatindow when the ES for the ESA instru	on causes no damage A instrument is off. A ument to be off in con	s this would be extremely junction with that temperature
Acceptance: MAM: Ron Jackson	; M:	SE: Ellen Taylor	
PM: Peter Harvey	; Co	gnizant Engineer	
Date of Closure			