

LIMITED LIFE LOG FOR THE PFM SVA (SPACE VIEW APETURE)

"Designed for at least 110 operations (open/close =1 operation), 30 operations under vacuum conditions."

[illegible]

HIRDLS SUNSHIELD SUBSYSTEM FLIGHT MODEL

[illegible]

NOTE: 1 OPERATION = OPEN & CLOSE.

NMS - HIRDLs SUNSHIELD SUBSYSTEM FLIGHT MODEL

[illegible]

NOTE: 1 OPERATION = OPEN & CLOSE.

LIMITED LIFE LOG FOR THE SSH DOOR RELEASE MECHANISM (HDRM)

"Designed for at least 110 operations (open/close =1 operation), 30 operations under vacuum conditions."

[illegible]

* Performed in vacuum

A → done twice because of operator error first time

From: Lanham, Lucy
Sent: Monday, December 03, 2001 4:05 PM
To: Kaloustian, Talin
Subject: CSS Cycles

Talin,

The cooler under went 43 start/stop at system level acceptance testing. (A start/stop cycle is defined as start, go down to operating temperature and return to lab ambient. Sometimes for test purposes they did not go all the way to full performance cold, but still) During this time it has also completed 138 hours of operations without a failure.

This information is documented in the CSS PSR Presentation Package, A8572_PSR, dated 5/5/00.

Lucy

Limited Life Summary Table

HIRDLS Limited Life Items									
Category	Allocation Usage	Units Environment	I&T			On-Orbit Ops	as of: 7/13/2002		
			MFR/LM	OXF	TRW		Total	Measured	Assumptions
SSH-Hot Wax Actuator (HWA)	Allocated	Cycles	60	20	20	10	110*	Logged	1 Cycle = Open + Close Latch Hold-down & Release Mechanism (HDRM) on SSH.
	Use to date	Air	35						
		Vacuum	2						
		Cum	37						
SVA Door	Allocated	Cycles	70	10	20	10	110*	Logged	1 Cycle = Open + Close. Half cycle indicates door is open as of statusing.
	Use to date	Air	64						
		Vacuum	1.5						
		Cum	65.5						
DSS	Allocated	Cycles	50	50	50	50	200	Logged	1 Cycle = Cool down and Warm up
	Use to date	Air							
		Vacuum							
		Cum							
Chopper	Allocated	Hours	6000			44000	50000	Off Minus On Timestamp	Bearings - log all use
	Use to date	Air							
		Vacuum							
		Cum							

* Includes 30 cycles in vacuum.