

SUBSYSTEM <u>CCTV</u>	SMITILE CCTV FAILURE MODE	PREPARED BY <u>M. Kravitz</u>
UNIT <u>TVC/CLA</u>	B EFFECTS ANALYSIS	DATE <u>8-19-86</u>
ASSY. DWG. <u>2294819-506, 508/2294821-503</u>		REVISED <u>7-17-82</u>
QUANTITY/LOCATION <u>1/MULTIPLE (CARGO BAY STACK)</u>		

FUNCTION: Provide a video output signal from the TVC to the VSU/TVM.

ITEM	FAILURE MODE	FAILURE CAUSE	FAILURE EFFECT ON END ITEM	FAILURE DETECT FLIGHT/GROUND	CORRECT ACTION TIME AVAIL/REQ	CRIT'Y	HAZARDS/REMARKS
2.2.3.1	Fine base errors (jitter) in the synchronization information on the video output line. Video information is present and contains the same time base errors.	<u>TVC</u> <u>A1</u> Sync Generator Clock Divider Chain Phase-Locked Loop <u>A2</u> Camera timing logic <u>A3</u> Master Oscillator TVC Masters	<u>Worst Case:</u> Degraded video.	<u>FLT/GND</u> Monitor picture erratic and jitter. Pers. Picture may appear to roll.	None	2/2	
			Degradation of camera video until self-heating of circuitry restores normal operation.	<u>FLT/GND</u> Monitor picture may appear erratic upon power turn-on after a thermal cold exposure.	Keep TVC powered for a minimum of 30 minutes.		
			<u>Worst Case:</u> Loss of mission critical video.	After a period of time the monitor display will appear normal.			
			<u>Worst Case (if video is not mission critical, for B & C cameras only):</u> Unable to verify PLB door aft bulkhead latches are closed.	Same as above	None. (Usage of EVA tools is available.)	3/1R	

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ATTACHMENT -
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