

SUBSYSTEM <u>CCTV</u>	SHUTTLE CCTV FAILURE MODE & EFFECTS ANALYSIS	PREPARED BY <u>M. Kravitz</u>
UNIT <u>IYC/CLA</u>		DATE <u>8-19-86</u>
ASSY. DWG. <u>2294819-506, 508/2294821-503</u>		REVISED <u>11-3-86</u>
QUANTITY/LOCATION <u>1/MULTIPLE (CARGO BAY STACK)</u>		

FUNCTION: Provide telemetry information of the camera status during the vertical blanking interval.

ITEM	FAILURE MODE	FAILURE CAUSE	FAILURE EFFECT ON END ITEM	FAILURE DETECT FLIGHT/GROUND	CORRECT ACTION TIME AVAIL/REQ	CRIT'Y	HAZARDS/REMARKS
2.2.4	loss of camera telemetry information located on lines 14, 16, 17, 18 and 19 of the vertical blanking interval.	<u>IYC</u> <u>A1</u> Temperature Telemetry. <u>A2</u> Camera Status Logic. <u>A2</u> Pan-Tilt Logic. <u>R4</u> Sync and CMD/RCVR. Video Output Driver.	(1) Loss of telemetry information but camera is still fully functional. (2) Loss of temperature telemetry: this camera icon LTR will be misinterpreted as an over-temperature condition and cause an alarm to be issued. Worst Case: Loss of over-temperature indicator which could result in loss of alt bulkhead camera ability to verify payload bay door latches are closed.	<u>FLT</u> (1) Status Hles for AIC/GNDPA on screw A7 panel are not illuminated when commanding this camera. (2) Loss of Pan-tilt angle information on IWM. (3) Over-temperature indication of 475°C will appear on IWM when this camera is selected. (4) Over-temperature flag is issued by RCU.	None	3/IR	
			Same as FLT but indication will be on GSE equipment. May display status data on waveform monitor to confirm failure.				

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 ATTACHMENT  
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