

SUBSYSTEM CCTV : PREPARED BY H. Kranitz
 UNIT TYC/WLA : SHUTTLE CCTV FAILURE MODE & EFFECTS ANALYSIS : DATE 8-19-86
 ASSY. DRWG. 2294819-506, 509/2307088-503 : REVISED 5-7-87
 QUANTITY/LOCATION 1/MULTIPLE (CARGO BAY STACK) :

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/NLQ	CRIT'Y:	HAZARDS/REMARKS
2.3.4	:Loss of camera telemetry information located on lines 14, 16, 17, 18 and 19 of the vertical blanking interval.	: <u>TYC</u> : <u>A1</u> Temperature Telemetry. : <u>A2</u> Camera Status Logic. : <u>A2</u> Pan-Tilt Logic. : <u>A4</u> Sync and CHD/RCVR. Video Output Driver.	:(1) Loss of telemetry information but camera is still fully functional. :(2) Loss of temperature telemetry on L18 will be misinterpreted as an over-temperature condition and cause an alarm to be issued. : <u>Worse Case:</u> :loss of over-temperature indication which would result in loss of soft bulkhead camera's ability to verify payload bay door latches are closed.	:(1) Status tiles for ALC/GMM on crew A7 panel are not illuminated when commanding this camera. :(2) Loss of Pan-Tilt angle information on TVM. :(3) Over-temperature indication of +75°C will appear on INM when this camera is selected. :(4) Over-temperature flag is issued by RCU.	:None	:1/1R	
			:GND :Same as FLI 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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