

SUBSYSTEM <u>CCTV</u>		SHUTTLE CCTV FAILURE MODE				PREPARED BY <u>M. Kravitz</u>	
UNIT <u>TVC/MLA</u>		B EFFECTS ANALYSIS				DATE <u>8-19-86</u>	
ASSY. Q'NG. <u>2294819-506, 508/2307080-503</u>						REVISED <u>5-7-87</u>	
QUANTITY/LOCATION <u>1/MULTIPLE (ELBOM STACK)</u>							
ITEM	FAILURE MODE	FAILURE CAUSE	FAILURE EFFECT ON EMB ITEM	FAILURE DETECT FLIGHT/GROUND	CORRECT ACTION TIME AVAIL/REQ	CRIT'Y	HAZARDS/REMARKS
4.3.4	Loss of camera telemetry information located on stations 16, 18, 17, 18 and 19 of the vertical blanking interval.	TVC A1 Temperature Telemetry. A2 Camera Status Logic. A2 Pan-Tilt Logic. A1 Sync and CMD/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>Worst Case:</u> Failure of over-temperature indicator which could result in the loss of control to the PTW to permit storage of the RMS.	FLT (1) Status lights for ALC/GAMMA 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 TVM when this camera is selected. (4) Over-temperature flag is issued by DCU. END Same as FLT but indication will be on GSE equipment. May display status data on waveform monitor to confirm failure.	No TVC corrective action. <u>Worst Case:</u> Jettison RMS	1/IR	Can't close doors. C... Interferes with payload

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 ATTACHMENT
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