

SUBSYSTEM	CCTV	SHUTTLE CCV FAILURE MODE	PREPARED BY	M. Krawitz
UNIT	TVC/CLA	& EFFECTS ANALYSIS	DATE	8-19-86
ASSY. DWG.	2294819-506, 508/2294821-503		REVISED	5-7-87
QUANTITY/LOCATION	1/MULTIPLE (ELBOW STACK)			

ITEM	FAILURE MODE	FAILURE CAUSE	FAILURE EFFECT ON END ITEM	FAILURE DETECT FLIGHT/GROUND	CORRECT ACTION TIME AVAIL/REQ	CRIT'Y	HAZARDS/REMARKS
4.2.4	Loss of camera telemetry information located on lines 14, 16, 17, 18 and 19 of the vertical blanking interval.	<u>TVC</u> <u>A1</u> Temperature Telemetry. <u>A2</u> Camera Status Logic. <u>A2</u> Pan-Tilt Logic. <u>A4</u> 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 indication which could result in the loss of control to the PTM to permit stowage of the RMS.	<u>FLT</u> (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 RCU.	No TVC corrective action. <u>Worst Case:</u> Jettison RMS	3/IR	Can't close doors. C interferes with payload
				END	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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