

SUBSYSTEM	CCTV	SHUTTLE CCTV FAILURE MODE & EFFECTS ANALYSIS	PREPARED BY	M. Kravitz
UNIT	TVC/MLA		DATE	8-19-86
ASSN. DNG.	2294019-506, 508/2294020-502		REVISED	5-7-87
QUANTITY/LOCATION	1/MULTIPLE (ELDOM STACK)			

ITEM	FAILURE MODE	FAILURE CAUSE	FAILURE EFFECT ON EMD ITEM	FAILURE DETECT FLIGHT/GROUND	CORRECT ACTION TIME AVAIL/REQ	CRIT'Y	HAZARDS/REMARKS
4.1.4	Loss of camera telemetry information located on lines 14, 16, 17, 18 and 19 of the vertical blanking interval.	TVC A1 Temperature Telemetry. A2 Camra Status Logic. A2 Pan-Tilt Logic. A6 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 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 PTU to permit storage of the RMS.	FLT (1) Status light for ALC/SAMP on crew A7 panel are not illuminated when commanding this camera. (2) Loss of Pan-Tilt angle information on TVM. (3) Over-temperature indication self +15°C will appear on TVM when this camera is selected. (4) Over-temperature flag is issued by RCU. CMD Same as FLT but indication will be on GSE equipment. May display status data on waveform monitor in confirmation.	No TVC corrective action. <u>Worst Case:</u> Jettison RMS	3/R	Can't close door. Can interfere with payload.

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 ATTACHMENT -  
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