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FIELD ENGINEERING REPORT MISSION # A-2010

Conf.: A-2 #6 Pilot: A/C #53-169 Flown: 2 July '56 25X1

	<u>R6</u>	<u>V8</u>	<u>L8</u>
Camera	22	30	26
Shutter	2669	3697	2096
Lens	1456	1474	1398
Magazine	33	56	35
cycles	1118	1118	1118
Footage	1700	1700	1700
Filter	Red	Red	Red

Results: Postflight and pilot debriefing indicated perfect flight but latter tests showed that the shutter in the right oblique did not open.

Dicussion: Film clips of 10 feet showed no exposure on the R6 but OK on V8 & L7.
Reason for shutter failure was found to be a broken wind spring. Spring was broken lengthwise on a slant about 1/2 " long. Shutter and spring being returned to shop thru channels. Due to heavy clouds it was impossible to evaluate film clips. Balance of equipment worked properly.
The fact that the shutter worked when installed but failed during the mission was brought to the processor's attention in the remark section so if they desire they can respool the film to start from the beginning and stop when the unexposed portion begins.
Oil on the windows has not been noticeable even though we have not recieved the boots. This is due evidently to corrected relief values and a cover that forces the oil mist to go up instead of coming straight out as in the past.

Conclusion: This malfunction was not one that could be foreseen or expected and is not practical to expect a maintainance check. This shutter had worked good in all previous missions.

cc compiled by 3 July '56

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