

OPIM OPCEN [REDACTED] ITE [REDACTED]

SERVICE

HEREWITH CORRECTED COPY OF [REDACTED] OPCEN PLEASE PASS

TO [REDACTED]

QUOTE

T O P S E C R E T

OPIM [REDACTED] INFO PRITY [REDACTED] CITE [REDACTED]

[REDACTED]

REF [REDACTED]

1. DATA DEFINATELY INDICATES VEHICLE IS NOT IN NORMAL ATTITUDE. DEGREE OF ATTITUDE HARD TO DETERMINE. BEST GUESS IS THAT ROLL IS LESS THAN 30 DEG AND YAW LESS THAN 15 DEG. PITCH STILL UNDER CONTROL. ABOVE DATA BASED ON REV 33, AND WILL PROBABLY CHANGE.

2. PROBLEM INVOLVED IN ABOVE ATTITUDE GENERALLY TWO.

A. WILL UNUSUAL ATTITUDE RESULT IN TEMPERATURE CHANGE TO VEHICLE EQUIPMENT THAT COULD RESULT IN SOME CATASTROPHE SUCH AS COMPLETE POWER FAILURE. QUICK OPINION IS THAT THIS WILL NOT OCCUR. HOWEVER, THERMAL PEOPLE ARE MAKING DETAILED STUDY THIS AREA.

B. IS ATTITUDE CHANGE SUFFICIENT TO RESULT IN USELESS RESULTS FROM THE CAMERAS. THIS ONLY BECOMES A FACTOR IN DECISION ABORT MISSION ON DAY 3 OR TO CONTINUE FOR 4 DAYS. IF ANSWER TO A ABOVE IS THAT VEHICLE NOT DETERIORATED BY UNUSUAL ATTITUDE THEN ONLY REASON TO ABORT WOULD BE THAT AN ADDITIONAL DAY ON ORBIT ALWAYS IS AN INCREASED RISK. OBVIOUSLY IF VEHICLE ATTITUDE RESULTS IN NO ACCEPTABLE PHOTOGRAPHY 4TH DAY IS NOT DESIRABLE.

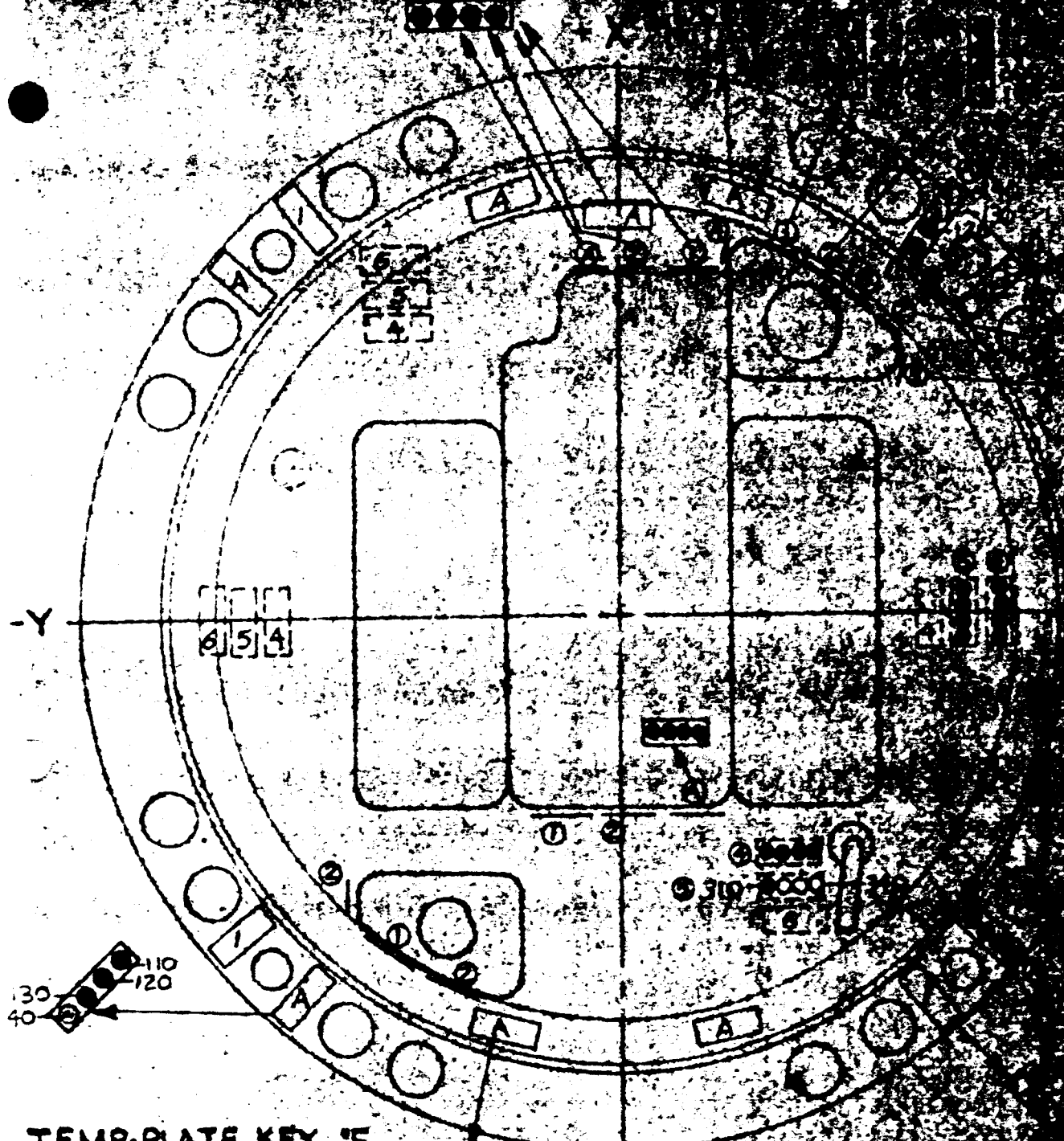
3. DATA WILL BE COLLECTED ON REVS 39 THRU 43 TO ATTEMPT TO ANSWER ADVISABILITY OF CONTINUING MISSION. GO-NO-GO MEETING WILL BE HELD 02/1800Z TO REVIEW DATA AND MAKE DECISSION.

4. SINCE ATTITUDE DATA NOT AVAILABLE ON REAL TIME DO NOT EXPECT TO HAVE ANY ADDITIONAL DATA PRIOR TO 1800Z MEETING.

5. VEHICLE IN GOOD CONDITION EXCEPT FOR ATTITUDE PROBLEM.

~~T O P S E C R E T~~

TEMP-PLATE STATIONING



TEMP-PLATE KEY 'F'

- A - 110-120-180-140
- 1 - 150-160-170-180
- 2 - 190-200-210-220
- 3 - 230-240-250-260
- 4 - 270-280-290-300
- 5 - 310-320-350-340
- 6 - 380-360-370-380
- 390-410-435-450

LOOKING FORWARD

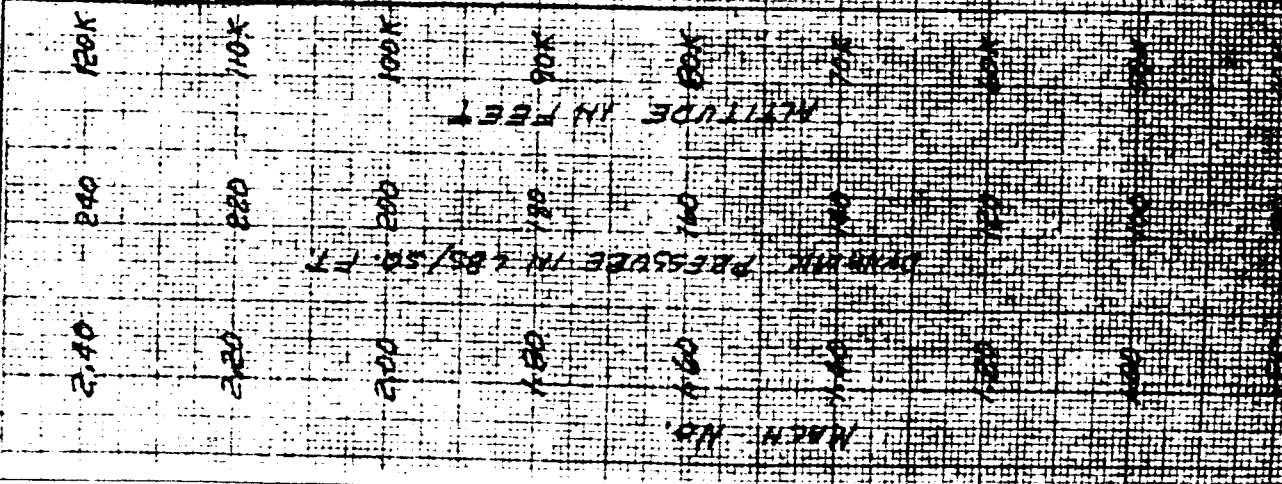
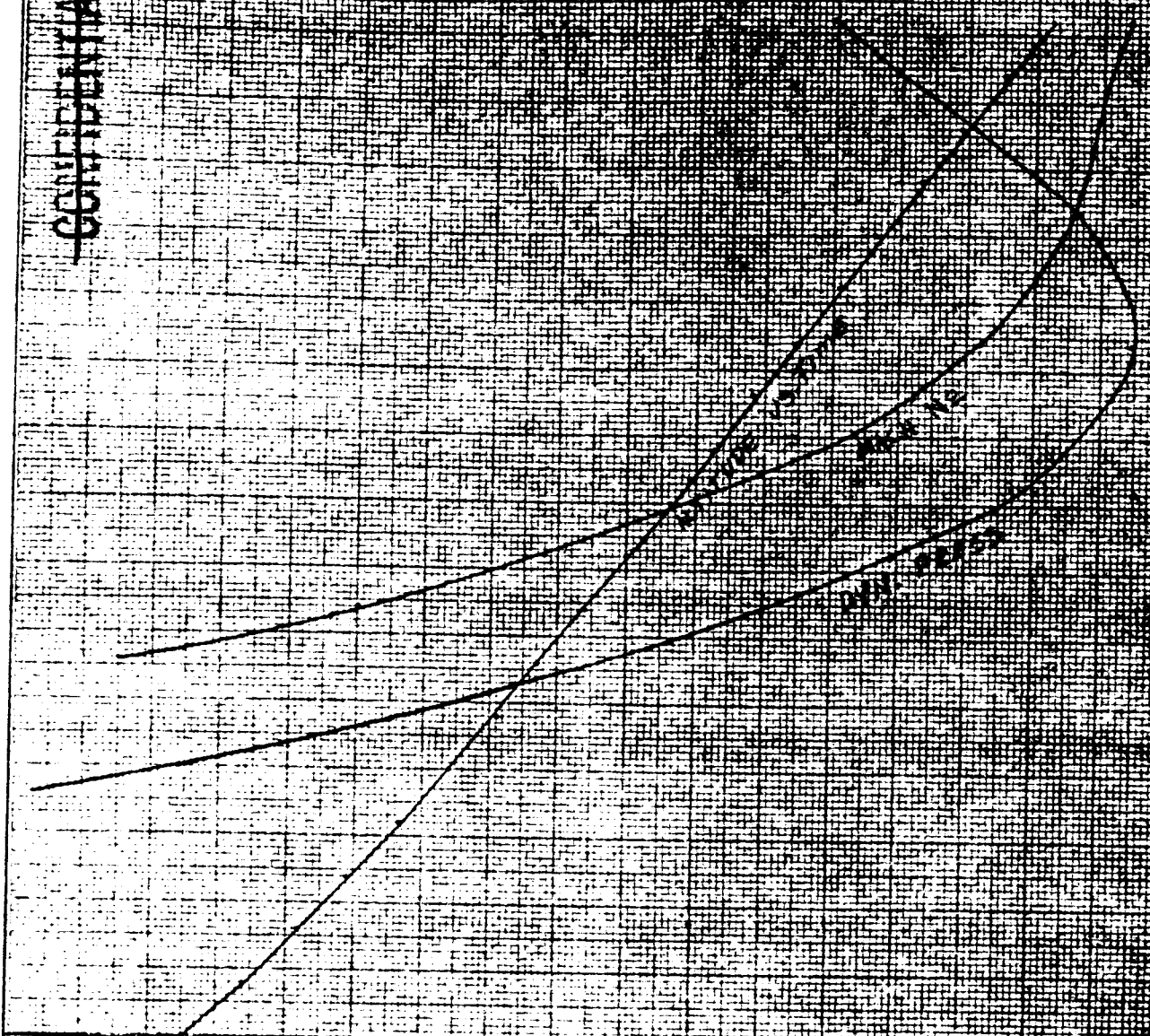
VEHICLE 1154

(8 IN USE OF TEMP-PLATES)



Prepared	NAME	DATE	LOCKHEED AIRCRAFT CORPORATION	PAGE	TEMP	PERM
Checked		-5-62	MISSILES and SPACE DIVISION			
Approved			TITLE	Report No.		
			Vehicle 1156 Re-Entry Trajectories	Model		

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~~SECRET~~

TEMPERATURE SUMMARY

FTV-1154 CM 13

Temp. Sensor	Comm. Pt.	Launch	9	15	25	31	41	47
Inst. 1								
2	34	73.5	83.0	79.8	80.8	85.5	85.5	85.1
5	49	80.8	77.0	73.8	74.9	78.3	79.8	76.6
7	29	73.5	88.0	85.5	88.0	90.2	90.2	88.5
11	22	102.5	76.0	77.1	73.7	78.3	77.9	75.8
12*	33	95.0	64.5	59.3	59.4	66.5	64.5	63.9
Inst. 2								
2	55	74.9	90.2	88.0	90.3	94.0	94.4	92.5
4	47	73.5	90.2	89.0	92.8	97.7	95.2	94.2
6	51	73.5	78.3	76.0	76.0	82.0	83.1	89.5
7	53	73.5	95.4	84.2	96.7	90.2	90.0	79.8
11	48	83.0	85.5	78.1	83.0	98.9	87.4	97.1
12*	41	79.5	107.0	105.0	112.5	128.0	112.0	114.2
Stellar Index								
1	31	101.2	82.5	79.5	88.2	85.5	82.4	81.4
2	52	101.2	70.0	65.4	76.5	72.5	71.3	68.9
Clock								
1	35	105.0	70.0	77.8	76.5	71.1	71.1	69.1
Thrust Cone								
1	30	86.1	81.5	89.0	89.1	85.0	79.5	80.0

* Horizon Cameras
Data in °F (+ 5.7° accuracy)

All fairing temp. sensors are out of band.

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