CLASSIFIED MESSAGE

~~TOP SECRET~~

ROUTING

1	4
2	
3	[redacted]

PRIORITY

PRIORITY

DATE : Ø34ØZ 21 AUG 59

TO : DIRECTOR

FROM : [redacted]

ACTION : OPS (1)

INFO : S/C (2)

WH

TOR: Ø42ØZ 21 AUG 59

[redacted]

TO : [redacted] INFO CITE [redacted]

NO NIGHT ACTION

REF [redacted]

INFO AVAILABLE AT THIS TIME CONSISTS OF REAL TIME TELEMETRY READOUT FROM OSCILLOSCOPES AT THE TRACKING STATIONS. ANALOG TELEMETRY RECORDS WILL BE AVAILABLE STARTING APPROX 17ØØZ 21 AUGUST. THE AVAILABLE REAL TIME READOUT INDICATES THAT THE CAMERA OPERATED FOR APPROX 3Ø SECONDS. TEMPERATURES IN THE NOSE CONE ARE AGAIN MARGINAL, ALTHOUGH SLIGHTLY HIGHER THAN ON FLIGHT 9ØØ2. TELEMETRY INDICATES NOSE CONE SEPARATION ON PASS 17. (NO AIR SNATCH OCCURRED AND WATER SEARCH CONTINUED UNTIL APPROX 21/Ø1ØØZ AT WHICH TIME SEARCH WAS ABANDONED.)

A MAJOR EFFORT STARTED 2Ø AUGUST TO FIND FIXES FOR THE 2 [redacted] MAJOR PROBLEMS: I. E. LOW NOSE CONE TEMPERATURES AND CAMERA MALFUNCTION, AS FOLLOWS.

1. DESIGN FOR PRESSURIZATION [redacted]
2. THERMAL STABILIZATION (FRONT END) [redacted]

[redacted]

3. ATTITUDE SENSITIVITY (INTRUMENT NUMBER 1Ø)

4. MECHANISM IN VACUUM

5. HIGH VACUUM TEST (1Ø TO THE MINUS 8 INCHES OF MERCURY PRESSURE). (INTRUMENT NUMBER 12) AT MIT.

6. HIGH VACUUM TEST OF PRESSURIZATION DESIGN

7. Ø G TEST (USING C 13Ø A/C)

8. HATS TEST (INSTRUMENT NUMBER 5) (COMPLETE INSTRUMENT IN HIGH ALTITUDE CHAMBER)

9. CAMERA EVALUATION BY NON PREVIOUSLY CONNECTED EXPERTS

10. [illegible] PROBLEMS IN ORBIT

11. INTRUMENT ACCURACY AND HIGH VOLTAGE CALIBRATION OF RESISTANCE THERMOMETER

12. DATA COORDINATION

NOTE: DATE OF LAUNCH FOR FLIGHT 9ØØ4 IS UNKNOWN AT THIS TIME.

END OF MESSAGE

[redacted]

[redacted]