

~~TOP SECRET~~



OPERATIONAL IMMEDIATE

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

REF MSN 9045

1. INDICATIONS ARE ONE HORIZON SENSOR HAS FAILED. IF THIS IS CASE YAW ERROR CAN OCCUR AT 2 DEG PER HOUR RATE AND ROLL ERROR AT 1 DEG PER HOUR. PITCH WILL BE MAINTAINED UNTIL COMBINED ERROR OF YAW AND ROLL REACH 30 DEG ERROR. VEHICLE ATTITUDE WILL THEN BECOME RANDOM AND CONSTANTLY CHANGING WITH REGARDS TO EARTH.
2. RECOVERY CAN STILL BE ACCOMPLISHED BY USE OF LIFEBOAT SYSTEM WHICH HAS OWN VEHICLE ORIENTATION SYSTEM THAT WILL TAKE OVER JUST PRIOR TO AND DURING RECOVERY.
3. SEVERAL INDICATIONS OF SENSOR FAILURE. TEMPT INCREASE ON BOTH SENSORS INDICATING CHANGE IN ORIENTATION WITH SUN. ONE SENSOR VERY HIGH. ROLL GYRO READS ZERO INDICATING ROLL CORRECTION SIGNAL HAS REACHED MAX LIMITS. GAS CONSUMPTION SHOWS SLIGHT INCREASE.
4. MAGNETOMETER DATA UNDER STUDY TO OBTAIN BEST GUESS AS TO ACTUAL VEHICLE ATTITUDE.
5. IF SENSOR HAS FAILED SHOULD LEAVE CAMERA IN X MODE AND ATTEMPT LIFEBOAT RECOVERY REV 49.

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