

FORM 2820  
12-67

## CLASSIFIED MESSAGE

~~SECRET~~

(When Filled In)

FILE INFO

REPRODUCTION PROHIBITED

24 NOV 70 06 10z

|        |   |    |    |    |
|--------|---|----|----|----|
| ACTION | 1 | 6  | 11 | 16 |
|        | 2 | 7  | 12 | 17 |
|        | 3 | 8  | 13 | 18 |
|        | 4 | 9  | 14 | 19 |
|        | 5 | 10 | 15 | 20 |

IN 95607

~~TOP SECRET~~ 240141Z NOV 70 CITE 4761.

IMMEDIATE Wahoo INFO PRIORITY CHARGE, PLUM, PILOT

HEACIA-X

1112-1

B. TELEMETRY DATA INDICATES A DISCREPANCY BETWEEN THE "CYCLE COUNT" (CC) MONITOR AND THE "FILM FOOTAGE POTENTIOMETER" (FFP) MONITOR FOR THE FORWARD LOOKING CAMERA. FOLLOWING THE REV 79 OPERATE THE CC MONITOR SHOWED 2475 FRAMES ON THE TAKE-UP WHILE THE FFP INDICATED THAT ACTUAL TAKE-UP DIAMETER WAS 18.65 INCHES

(NOMINALLY 27.1 FRAMES), A DIFFERENCE OF 225 FRAMES.

C. AT THIS TIME THERE IS NO EXPLANATION FOR THIS DISCREPANCY.

POSSIBLE CAUSES ARE INCORRECT TELEMETRY, LOOSE FILM WRAP ON THE TAKE-UP, NON-UNIFORM (LUMPY) FILM WRAP, OR ERROR IN THE FFP.

EVALUATION WILL CONTINUE WITH A POSSIBLE SOLUTION WHEN THE BUCKET/FILM IS EXAMINED FOLLOWING RECOVERY.

D. THE FFP CONTROLS TAKE-UP CAPABILITY AND THE MAXIMUM TAKE-UP DIAMETER ALLOWABLE IS 19.75 INCHES (APPROXIMATELY 3125 FRAMES).

ABOVE THIS DIAMETER THERE IS A POTENTIAL TO JAM THE SYSTEM CAUSING A CAMERA SYSTEM FAILURE. WE THEREFORE PLAN TO PUT A MAXIMUM OF 425 MORE FRAMES (45 OF REV 80) ON THE FORWARD-LOOKING CAMERA PRIOR TO THE CUT-AND-WRAP OPERATION

FORM 2820

12-67

(44)

## CLASSIFIED MESSAGE

~~SECRET~~

(When Filled In)

## FILE INFO

## REPRODUCTION PROHIBITED

|        |   |    |    |    |
|--------|---|----|----|----|
| ACTION | 1 | 6  | 11 | 16 |
|        | 2 | 7  | 12 | 17 |
|        | 3 | 8  | 13 | 18 |
|        | 4 | 9  | 14 | 19 |
|        | 5 | 10 | 15 | 20 |

PAGE 2 475 ~~TOP SECRET~~

E. RECOMMEND WAHOO PLAN ONLY 425 MORE FRAMES (2900 MAX.) FOR 1112-1.

THIS WILL LEAVE APPROXIMATELY 3240 FRAMES TO BE WRAPPED IN THE SECOND BUCKET WHICH IS MORE THAN NOMINAL BUT STILL WITHIN THE SYSTEM CAPABILITIES. HOWEVER, THE LAST 100 FRAMES OF THE MISSION WILL HAVE SOME SMALL RISK AS THE SPOOLS REACH MAX. CAPACITY. IF WAHOO DESIRES, 100 EXTRA CYCLES MAY BE TAKEN ON THE AFT-LOOKING CAMERA IN THE (A) BUCKET. THEN THE RISK IS ONLY TO THE LAST 100 FRAMES ON THE FORWARD-LOOKING CAMERA.

~~TOP SECRET~~

BT