



HANDLE VIA **BYEMAN**

11.5

ITN 0589
121217 PP HHH RUXSBAA1651 1972100 @5507 X
ZNY XXXXX HHH ZNM
O P 152045Z

CONTROL SYSTEM-RUXPDAA.

BT
XXXXX
ANGLO 034, DAMP 719
ANGLO PASS ETHER
DAMP PASS LAGOON, []

DISTRIBUTION		
	A	I
SAFOS		
SAFAL		
SAFUSS		✓
SAFSS		✓
EXEC		
L&A		
P&B		
S&T		
SAF/SPE		
TC		
REGISTRY		
COMM		
RF		✓

LA 1737
AA 4683

~~SECRET~~ 152045Z JUL 80 CITE BISON 7219
IMMEDIATE ETHER/ INFO PRIORITY, LAGOON, []
HANDLE VIA BYEMAN CHANNELS ONLY
DAMON

DELIVER DURING NORMAL BUSINESS HOURS
FOR: ETHER/[]; INFO FOR: LAGOON/L. CRESS; []
FROM: []
REF: A. TELECON, [], 15 JUL 80

(b)(1)
(b)(3)

- B. ETHER 0411, 3 JUL 80
- C. BISON 6922, 8 JUL 80

1. BISON CONCURS WITH ETHER'S POSITION ON THE ESSENTIALITY OF COVERING A METRIC CALIBRATION RANGE SUCH AS THE ONE IN THE SOUTHWEST U.S. AS PART OF THE DAMON METRIC EXPERIMENT (REF B, PARA 1) WE HAVE TAKEN ETHER'S REQUIREMENTS TO NASA; NASA AND BISON ARE IN THE PROCESS OF DEVELOPING A COMPATIBLE FLIGHT PLAN.

2. BISON HAS INTENDED TO KEEP ETHER INFORMED OF THE EVOLUTIN OF THE FLIGHT PLAN THROUGH REGULAR MEETINGS OF THE DAMON METRIC EXPERIMENT WORKING GROUP (REF C), THE FIRST OF WHICH IS SCHEDULED FOR 30 JUL 80 AT []

3. THE CURRENT SITUATION IS AS FOLLOWS. BISON HAS NOTIFIED BOTH NASA HQ AND JSC OF DAMON REQUIREMENTS, INCLUDING THOSE FOR THE METRIC EXPERIMENT WHICH INCLUDE A MINIMUM INCLINATION OF 35 DEGREES TO ACCESS THE U.S. METRIC RANGE.

A. NASA HAS ASSIGNED DAMON TO OFT-4, THE EARLIEST FLIGHT WHICH MAY MEET DAMON REQUIREMENTS. ON OFT-4, TRADES ARE REQUIRED BETWEEN INCLINATION AND PAYLOAD CARRYING CAPABILITY, INCLUDING NASA'S FLIGHT TEST HARDWARE. THE TRADE STUDIES ARE UNDERWAY AT JSC AND BISON; SUBSTANTIAL RESULTS ARE NOT EXPECTED BEFORE THE END OF AUGUST.

B. SHOULD ANY CONTINGENCY PRECLUDE MEETING MINIMUM DAMON OBJECTIVES ON OFT-4, INCLUDING A SUCCESSFUL METRIC EXPERIMENT, NASA AND THE NRO MUST ESTABLISH A NEW FLIGHT ASSIGNMENT, PROBABLY SIX MONTHS LATER, I.E. IN THE OCTOBER 1982 TIME FRAME.

4. SOME UNCERTAINTY IN FLIGHT PERFORMANCE OF THE STS WILL PERSIST UNTIL THE STS PROGRAM PASSES ITS EARLY FLIGHT MILESTONES, DURING THIS PERIOD, STS FLIGHT PERFORMANCE, DAMON FLIGHT ASSIGNMENT, AND THE IMPACT ON MEETING DAMON MISSION OBJECTIVES WILL BE A SUBJECT OF CONSTANT STUDY AND PLANNING. BISON WILL KEEP ETHER INFORMED THROUGH THE WORKING GROUP THROUGHOUT THIS PROCESS. WHEN DAMON FLIES, IT WILL BE ON A FLIGHT PLAN THAT BEST MEETS MISSION OBJECTIVES AS JUDGED BY [] ETHER, AND BISON. I BELIEVE THAT WE CAN BEST

(b)(1)
(b)(3)

PREPARE TO MEET OUR MUTUAL OBJECTIVES FOR DAMON BY ENSURING THAT ALL FLIGHT HARDWARE IS AVAILABLE FOR FLIGHT, FULLY INTEGRATED AND TESTED, IN APRIL 1982. THIS WILL INSURE COMPATIBILITY WITH STS'S ABILITY TO PROVIDE A SUITABLE FLIGHT. RECOMMEND YOU PROCEED TO PROCURE ETHER'S PORTION OF THE NEEDED HARDWARE ON THE SCHEDULE NECESSARY TO SUPPORT THE APRIL 1982 AVAILABILITY DATE.

REVW 15 JUL 80

~~SECRET~~

BT

#1651

NNNN

~~SECRET~~

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CONTROL SYSTEM