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 HANDLE VIA BYEMAN  
 CONTROL SYSTEM

PRO A66.



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HANDLE VIA BYEMAN CHANNELS ONLY

HEXAGON

FOR: LT COL HUTCHISON FROM: COL ANDERSON

SUBJ: HEXAGON BLOCK III

REF: TELECON REQUEST FROM LT COL HUTCHISON THRU

SP-7 SECRETARY 20 AUG 75.

1. THE FOLLOWING DATA IS PROVIDED IN LIEU OF FOURTH  
 QUARTER FY75 REPORT WHICH IS STILL IN PREPARATION:

A. SENSOR SUBSYSTEM

1. SIGNIFICANT MILESTONES-

A. SENSOR SUBSYSTEM VALIDATION MODEL  
 INCORPORATING BLOCK III DESIGN COMPLETED VALIDATION  
 TESTS IN JANUARY 1975.

B. VALIDATION OF THE MODIFICATIONS REQUIRED  
 FOR MAPPING MISSION WERE COMPLETED 18 AUGUST 1975.

PAGE 2 CHARGE 7994 ~~SECRET~~

C. MISSION 1213 MIDSECTION ARRIVED AT LMSC FROM  
 PERKIN-ELMER 9 AUGUST 1975.

D. SENSOR SUBSYSTEM BLOCK III CONFIGURATION  
 QUALIFICATION COMPLETE EXCEPT FOR 3 BOXES.

2. PROBLEMS -

NONE

B. MAPPING CAMERA SYSTEM

1. SIGNIFICANT MILESTONES-

A. RFP HAS BEEN SENT TO ITEK FOR THE MISSION 1217  
 AND 1218 MAPPING CAMERAS.

B. ITEK PROPOSAL DUE 5 SEP 1975

C. MAPPING CAMERA FOR MISSION 1214 ACCEPTANCE  
 IS SCHEDULED 18 SEPTEMBER 1975.

D. MAPPING CAMERA AND RECOVERY VEHICLE FOR  
 MISSION 1213 HAVE BEEN INTEGRATED INTO THE STRUCTURE AND  
 IS READY FOR VEHICLE MATE IN SEPTEMBER.

E. BLOCK III MISSIONS 1213 THROUGH 1218 MAPPING CAMERA  
 DOES NOT INCORPORATE ANY BLOCK CHANGES.

2. PROBLEMS-

NONE

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## . SATELLITE VEHICLE

## 1. SIGNIFICANT MILESTONES-

A. COMPLETION OF COMPATIBILITY TESTS OF THE FIRST SHIP SET OF BLOCK III MODULES IS SCHEDULED FOR 24 OCTOBER 1975.

B. MATE OF AFT, MID AND FORWARD SECTIONS COMPLETE 28 OCTOBER 1975.

C. SATELLITE BASIC ASSEMBLY CHECK-OUT COMPLETE 3 NOVEMBER 1975.

D. INTEGRATED SATELLITE VEHICLE TESTS COMPLETE 10 NOVEMBER 1975.

. INTEGRATION OF FLIGHT MODULES (REPLACING COMPATIBILITY TEST MODULES) COMPLETE 15 JANUARY 1975.

## 2. PROBLEMS-

NONE

## D. OTHER ITEMS -

1. MISSION 1210 RECOVERY VEHICLE-2 WAS RECOVERED 28 JULY 1975 WITH A TOTAL FILM LOAD OF 57,760 FEET CONSISTING OF 54,126 FEET OF BLACK AND WHITE, 2,139 FEET OF COLOR AND 1,495 FEET OF INFRA-RED FILM. IMAGE QUALITY THROUGHOUT WAS RATED

PAGE 4 CHARGE 7994 ~~SECRET~~

ONLY AVERAGE WHEN COMPARED TO PREVIOUS MISSIONS.

2. MISSION 1210 MAPPING CAMERA RECOVERY VEHICLE WAS RECOVERED 30 JULY 1975. ALL FILM WAS RECOVERED AND CONSISTED OF 2043 FRAMES OF TERRAIN MATERIAL AND 2235 FRAME PAIRS OF STELLAR MATERIAL. IMAGE QUALITY WAS COMPARABLE TO THE TYPE 3414 IMAGERY FROM MISSION 1209.

E-2 IMPDET

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