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HEXAGON

FOR GENERAL BRADBURN FROM MR. PLUMMER

SUBJECT: HEXAGON PLANNING

REFERENCE: CHARGE BRIEFING, 24 JUNE 1975

IN LIGHT OF THE FACTS PRESENTED IN YOUR BRIEFING AND THE RESULTS OF THE SPS, THE FOLLOWING SHOULD GUIDE YOUR PLANNING FOR HEXAGON.

A. GAPS BETWEEN HEXAGON MISSIONS SHOULD BE NO MORE THAN 90 DAYS

AND 180 DAYS THEREAFTER.

B. THE LONGEST OPERATIONAL LIFE (UP TO 180 DAYS) COMPATIBLE WITH THE FOLLOWING IMAGE QUALITY REQUIREMENTS

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IS DESIRED FOR ALL MISSIONS. IN THE FUTURE, WAHOO AND MAGIC SHOULD SELECT HEXAGON ORBITS WHICH MAXIMIZE AREA RETURN AND REQUIREMENT SATISFACTION IAW THE FOLLOWING QUALITY DEFINITIONS:

- (1) BEFORE KENNEN 10C, HEXAGON NIIRS DISTRIBUTIONS SHOULD BE SIMILAR TO THOSE CURRENTLY OBTAINED.
- (2) AFTER KENNEN 10C, HEXAGON NIIRS DISTRIBUTIONS SHOULD MAXIMIZE NIIRS 4 PERFORMANCE.

C. CURRENT EFFORTS TO DEFINE COST-EFFECTIVE INCREASES IN AVAILABLE FILM SHOULD BE CONTINUED. UUTB FILM AND REWIND APPEAR TO BE THE MOST ATTRACTIVE AT THIS TIME.

D. FOR BLOCK IV, VEHICLE CHANGES WHICH REQUIRE MORE THAN TWO OR THREE YEARS AT ONE VEHICLE PER YEAR TO AMORTIZE WILL NOT BE COST-EFFECTIVE. THEREFORE, NO FURTHER CONSIDERATION SHOULD BE GIVEN TO A FUNDED COMPETITION FOR THE BLOCK IV CAMERA.

E. YOUR READOUT TECHNOLOGY STUDIES SHOULD TERMINATE WITH COMPLETION OF THE PRESENT EFFORTS.

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