

ZCZCXA2873AA650
 RR RUXGAA
 DE RUXGAA 375 2752201
 ZNY XXXXX KKK ZNM
 R 022200Z
 BT
 XXXXX
 GUARD 782
 GUARD PASS WHIG

AA 7971

ppp x6b.

SECRET
 NAME IN BYEMAN
 CONTROL SYSTEM

HUTCH

SECRET 022200Z OCT 75 CITE CHARGE 8925.

WHIG.
 HANDLE VIA BYEMAN CHANNELS ONLY
 HEXAGON

FOR: COL WHEELER FROM: RASPET
 REF: WHIG 1152 311513Z JULY 75

THIS MESSAGE CORRECTS ERROR IN TRANSMISSION OF CHARGE 8862

SUBJECT: IMAGE QUALITY/LIFETIME TRADES FOR HEXAGON

1. THE IMAGE QUALITY/LIFETIME TRADES REQUESTED IN PARAGRAPH 1 OF
 REFERENCED TWX HAVE BEEN PERFORMED. THESE TRADES WERE PERFORMED
 USING SIMULATIONS OF CAMERA PERFORMANCE (CRYSPEX) AND NPIC ANALYSIS
 OF MISSION 1207, 1238 AND 1269 FOR NIIRS RATINGS VERSUS ALTITUDE.

2. THE CONCLUSIONS OF THESE TRADES ARE:

(A) THE PERIGEE CHANGES REQUIRED TO FLY 150 DAYS (1 TO 2 MILES INCREASE TO 89.5 TO 90.5) WILL NOT SIGNIFICANTLY DEGRADE HEXAGON CAPABILITY TO RETURN NIIRS 4 OR BETTER PHOTOGRAPHY.

(B) THE PERIGEE CHANGES REQUIRED TO FLY 180 DAYS FOR SV-15 UP (2.5 TO 3.5 MILES TO 91-92 MILES) WILL HAVE ONLY A SLIGHT BUT ACCEPTABLE EFFECT ON HEXAGON CAPABILITY TO RETURN NIIRS 4 OR BETTER PHOTOGRAPHY.

E-2 IMPDET

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only

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