

TK714-92

~~TS~~/TK

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920407 ! 1

! RECEIPT NO.
! MESSAGE

SUBJECT
SEJ ANALYSIS OF 89.6
PPS UNIDENT

DISTRIBUTION INFO

[illegible]

NRL INCOMING DOCUMENT

TK714-92

NONE

DES/SHEET NO.

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DATE - - - - -

FINISH FILE

First operationally
significant field
location 2/21/68
J. NSA feed back
3/6/68

INCOMING
NRL SPECIAL PROJECTS CONTROL NUMBER

TK714-92

DATE
690200

~~TS~~/TK

[illegible]

~~TOP SECRET~~

HANDLE VIA
TALENT-KEYHOLE
CONTROL SYSTEM ONLY

NNNN
ZCZCNKA823QAA749SPA017
RR YSNKLD
DE YFNHRA
DE YFNHRA 9 052161Z
R 211639Z
FM [redacted]

RP3 ACT..N1033

TO DIRNSA
DIRNAVSECGRU
CNO (PASS TO MAYO)
ZEM

~~TOP SECRET~~ TTTT TALENT KEYHOLE CHANNELS

ATTN: K4, MR. [redacted] AND MR. JOHN CONLON

ANALYSIS OF 89.6 PPS UNIDENT

A. DIRNSA 182055Z JAN CITE NSA SPO 148-8

B. MY 051510Z (NOTAL)

1. DIGITAL AND FM RECORDINGS OF HIGH INTEREST UNIDENT SPECIFIED
REF A AND REPORTED AS SOI IN REF B HAS BEEN EXTENSIVELY ANALYZED.

20 FEB RECEIPT OF EPHEMERIS ELEMENTS FOR 7105C/D ORBIT 3474 PRO-
VIDED MEANS TO UPGRADE EPHEMERIS FROM ORBIT 3377. INTERPOTATED
EPHEMERIS RAISED CONFIDENCE IN ACCURACY OF LOCATION RESULTS.

A. 7105C/3443 1790-2520 MC/S BAND 021730:18Z TO 1735:11Z FEB.

7105D/3443 1790-2520 MC/S BAND 021727:56Z TO 1735:37Z FEB.

B. P-7 (LOCATION FINDER) OUTPUT PLACES EMITTER AT [redacted]

[redacted] IN GEODETIC COORDINATES. CALCULATION OF DIF-
ERENCE IN [redacted] WAS AIDED BY THE HIGH QUALITY OF
INTERCEPT AND BY STABILITY OF THE EMITTER. HOWEVER, CONSIDERABLE
EXTRAPOLATION WAS NECESSARY DUE TO THE [redacted]

C. PRF IS 89.60 PPS.

D. SCAN RATE IS 8.96 CPS.

E. EMITTER EXHIBITS PERIODIC DOUBLE PULSING. 5 DOUBLET WITH INTERVAL
OF 193 MICROSECONDS BETWEEN THE PULSES OF EACH PAIR ARE FOLLOWED BY
5 SINGLE PULSES. THE SECOND PULSE OF THE DOUBLET IS IN PHASE
(AVERAGE PRI OF 11160 MICROSECONDS) WITH THE SINGLE PULSES FOLLOWING
THE DOUBLET. THE LEADING PULSE OF THE DOUBLET HAS THE SAME PRI AND
IS IN PHASE WITH THE LEADING PULSE OF THE SUCCEEDING SET OF DOUBLET
AFTER THE INTERVAL OF 5 SINGLE PULSES.

2. ABOVE ITEMS C, D AND E ARE CORROBORATED BY ANALYSIS OF INTERCEPT
OF SAME EMITTER ON 05C/D ORBIT 2860.

360

Handwritten notes:
NPL
check w/ 5600
5000
4000
5600
5614
5610
FEB 22 14 57
all has rec
RDM
Sum 2/13
WLB

~~TOP SECRET~~

HANDLE VIA
TALENT-KEYHOLE
CONTROL SYSTEM ONLY

198

Handwritten signature

~~SECRET~~

HANDLED BY
TALENT-KEYHOLE
CONTROL SYSTEM ONLY

Handwritten signature

RR YSNKLA

CRD012
RR YSNKLA
DE YERHSK USA 0362221

R 062026Z
FM DIRNAVSECCRU
INFO NAVINTCOM

ZEM
R 042017Z
FM DIRNSA

TO [REDACTED]
INFO DIRNAVSECCRU
CPO (PASS TO MAMO)

ZEM

~~SECRET~~ TTTT/ZARF TALENT KEYHOLE CHANNELS
NAVINTCOM HOLD (FOR CAPT MORRIS) AND PASS TO SAPSS (FOR [REDACTED])

CHIEF USA SPO 40258

REF: YOUR 211639Z FEB 1968

YOUR PROMPT RESPONSE AND ACCURATELY COMPUTED RESULTS ON
THIS HIGH INTEREST SIGNAL ARE TO BE HIGHLY COMMENDED.

CENTER POINT OF FINAL RESULT AS COMPUTED AT NSA DIFFERS
ONLY BY [REDACTED]

120

JN2 COUS WPC33...

INFO: SAPSS(

~~SECRET~~

HANDLED BY
TALENT-KEYHOLE
CONTROL SYSTEM ONLY