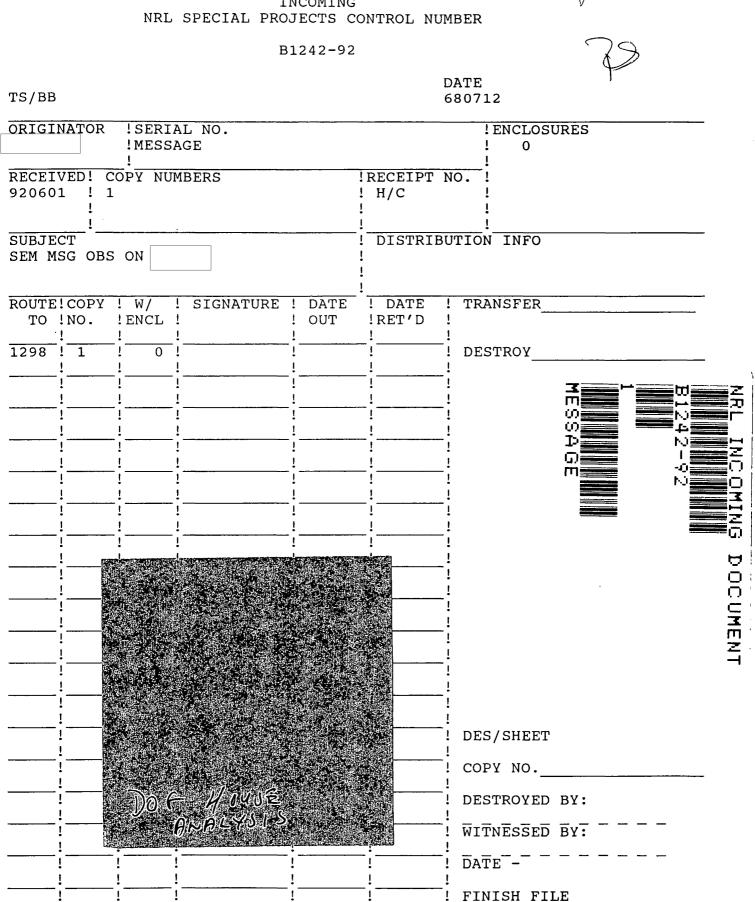
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TWX258/070711Z BT XXXXX 216 0939 7-8-68 R 061530Z FM TO DIRNSA INFO COMNAVSECGRU COMNAVINTCOM YSNKLDC/NRL ZEM TOPSECRET BBBBB EARPOP BYEMAN CHANNELS OBSERVATIONS ON INTERCEPT RECORDED 350-550 AND 196-553 MC/S BAND ON 7105C/D 1. ORBIT 5497. OPERATING' IN 2. FOLLOWING IS BASED ON BELIEF THAT EMITTER IS LOCATED AT AZIMUTH/ PART SAIELLITE UP-TIME DOWN-TIME ELEV 1 ~DELTA ··· 0631:59Z 0632:05Z 329.0 -//330.5 26.4 5614 2 320.1 CHARLIE 0632:51Z 0632:54Z 319.5 24.9 3 328.8/- 330.5 -CHARLIE 0633:28Z 0633:35Z 26.2 4 DELTA 0633:402 0633:422 355.4 - 355.6 25.3 5 CHARLIE 0635:09Z 0635:13Z 355.0 - 355.6 25.1 PART 1: TWO BEAMS RECEIVED WITH DISPLAGEMENT OF 15.8 MSEC. APPARANT RANDOM PULSING FOLLOWING AN ILLUMINATION BY EITHER BEAM PROBABLY DUE TO BREAKING UP OF CW BY POPPY SYSTEM. BEAM DISPLACEMENT EXCEEDS WAVE TRAVEL TIME FROM THE SATELLITE AND BACK BY 4.1 MSEC. ALLOWING FOR A SHORT PROVESSING LAG THIS VOULD INDICATE THAT A RETURNING ECHO TRIGGERS A SECOND BEAM FOR RANGE DETERMINATION. PART 2: ILLUMINATIONS NOT ARRIVING IN PRECISE 10.0 CPS BHASE. ASSUME MOST OF THE HITS ARE BROKEN CW. PHASING THESE ILLUMINATIONS WITH THE SECOND BEAM IN PARTS 1 AND 3 INDICATES A SECTOR OF 31 DEGREES FOR THE WESTERN LEVEL OF DOGHOUSE. PART 3: SAME CHARACTERISTICS AS PART 2. ILLUMINATIONS IN EXACT 10.0 CPS PHASE WITH EARLIER HITS ON DELTA AT THIS AZIMUTH INDICATING VONTINUOUS SCANNING. BEAMS RECEIVED SIMULTANEOUSLY FOR .8 SEC AT AZIMUTH 329.5. PART 4: SPARSE ILLUMINATION, BUT ONE BEAM IS DEFINITE. POSSIBLY A SECOND BEAM HITS FOR 1 OR 2 CYCLES. PART 5: TWO BEAMS/RECEIVED WITH DISPLACEMENT OF 18.9 MSEC, WHICH EXCEEDS 2-WAY WAVE TRAVEL TIME BY 7.0 MSEC. SECOND BEAM IN EXACT PHASE WITH EARLIER HITS ON DELTA AT THIS AZIMUTH. THE BEAMS HIT SIMULTANEOUSLY FOR 2.2 SEC AT AZIMUTH 355.1/TO 355.6. BROKEN CW LASTS FOR UP TO 2.4 MSEC. 420 via Byenne Approved for Release: 2024/06/10 C05026059

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	PROP DVEMAN CHANNEL C		5614 Rusta	1
TOPSECRETBBBBBEA 9BSERVATIONS ON INTE	RCEPT OF 6 JULY 68		J U . 4 1092 .	
A. MY 061530Z	AND 196-553 MC/S BANDS			4
7105C/D ORBIT 559&. OPERAT		VITH		j.
2. INTERCEPT OCCURRED AS F	TOTAL OWS:			
PART SATELITE UP-TIME DC	WN-TIME AZIMUTH	ELEV		45
1 CHARLIE 0548:00Z 05 2 CHARLIE 0548:16Z 05	48:10Z 325.7 - 327.7 48:24Z 329.2 - 330.6	20.04	ζ.	
3 DELTA 0548:41Z 🖉	048:46Z 354.3 - 355.2	22.21		
4 VHARLIE 0550:06Z Ø05 ØAGT 1: VERY STABLE HIJTS W	50:12Z 354.2 - 355.2 WITH SLIGHT DOPPLER. HAS	22 .1 0		
APPEARANCE OF A PULSE RAD	DAG •			
PART 2: DUAL BEAM WITH BRO DISPLACED BY 15809 USEC W		BEAMS ACEMENT		
AT THIS AZIMUTH FOR INTERC	CEPT GEPORTED REF A. AN	D NEGATES		
THE POSSIBILITY THAT THE S AN ECHO FROM THE FIRST. IN	N ALL RESPECTS CHARACTED			
MATCH THE 29 JUNE INTERCEP PART 3: DUAL BEAM WITH BRO	PT AT THIS AZIMUTH.			
DISPLACEMENT OF 18942 USEC	C AGAIN MATCHING THAT R	EPORTED		
REF A. AT THIS AZIMUTH. DU FOR 2.9 SEC AT AZIMUTH 354		OUSLY		
PART 4: SAME CHARACTERIST	ICS AS PART 3 AND SAME			
REPORTED REF A. AT THIS AZ FOR 3.5 SEC AT AZIMUTH 354				
PHASE WITH EARLIER HITS OF	N DELTA AT THIS AZIMUTH	•		
3. REGARDING THE CENTER OF AND EXAMINING THE DIFFEREN		SIGHT		
A SECTOR OF 23.0 DEGREES I	FOR THE WESTERN LEVEL I	N		
COMPARISON TO THE 31.0 DEC 4. THROUGH EACH OF THE FO				ा ्र
SHIFT 🖉 N DATA MATCHES ALM	MOST PGECISELY THE COMP	UTED		
CYCLE TO CYCLE DOPPLER SH TO THE APPROPRIATE SATELL		414		
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