

PRIORITY

TOP SECRET

OUT64475

T O P S E C R E T 282126Z FEB 68 CITE [redacted] 1968 FEB 28 21 55Z

25X1
25X1

CORONA - PERFORMANCE EVALUATION TEAM FOR 1102

1. THE 1102 [redacted] CONDUCTED A VERY SMALL STUDY ON THE QUALITY OF THE DUPES RELATIVE TO THE ORIGINAL NEGATIVE. THIS WAS DONE BY HAVING THE MAJORITY OF THE [redacted] MEMBERS READ THE RESOLUTION TARGETS ON BOTH THE ON'S AND THE [redacted] DP'S. THE SUMMARY OF THE [redacted] FINDINGS ARE AS FOLLOWS (ALL VALUES ARE IN TERMS OF GROUND RESOLVED DISTANCE IN FEET):

25X1
25X1
25X1
25X1

REV	CAMERA ON	DP	DIFFERENCE	
D-16	AFT	5.7/7.7	9/9	-3.3/-1.3
(HIGH CONTRAST)	FWD	5.8/6.1	8/8.3	-2.2/-2.2
D-16	AFT	8.3/9.0	10/10	-1.7/1
(MED CONTRAST)	FWD	7.7/8	10/9	-2.3/1
D-32	AFT	12/10	12/12	0/-2
	FWD	12/12	12/13	0/-1
D-48	AFT	8/7	10/8.5	-2/-1.5
	FWD	6.3/7	8/8.5	-1.7/-1.5
D-97	AFT	13/16	13.6/18.4	0/-2.4
	FWD	12/16	13.6/20	-1.6/-4

FROM THIS DATA THERE WOULD APPEAR TO BE A LOSS IN IMAGE QUALITY (FROM ON TO THE DP) WHICH GETS PROGRESSIVELY GREATER AS THE QUALITY OF THE ORIGINAL GETS BETTER.

2. IF THIS DATA AND THE INDICATED TREND IS VALID, THIS IS OF SOME CONCERN TO THE [redacted] A COMPLETE REVIEW OF THE CORONA DUPLICATING PROCESS HAS NOT BEEN MADE FOR SOME TIME. THE VERY REAL POSSIBILITY EXISTS THAT THE CURRENT DUPLICATING PROCESS AND TECHNIQUES WHICH WERE DEvised FOR J-1 ARE NO LONGER VALID FOR THE HIGHER PERFORMANCE BEING EXPERIENCED ON J-3. THIS POSSIBILITY SHOULD BE INVESTIGATED.

3. THE [redacted] SUGGESTS THAT [redacted] REPRESENTATIVE (D. [redacted] UNDERTAKE A STUDY TO ASSESS THE ADEQUACY OF THE CURRENT DUPLICATING PROCESSES, AND TO ESTABLISH THE DEGREE OF INFORMATION LOSS FROM THE ON TO THE DP. THE SIGNIFICANCE OF THIS LOSS SHOULD ALSO BE ASSESSED. PARTICULAR ATTENTION SHOULD BE PAID TO 1102 AS THIS MISSION IS NOW INDICATIVE OF WHAT TYPICAL CORONA SYSTEMS WILL BE PRODUCING IN THE FUTURE.

T O P S E C R E T

DISTRIBUTION		
Cy No.	Office	Action
5	File	
	En/Info Sec.	
	IR&B	
	Security	
345	TEG	
8	NSG	
	IEG	
	IAS	25X1
	DIAXI-4	
	SPAD	25X1
	DIA-AP	

25X1
25X1
Advance Copy
Sanitized
With Text

Declassification Review by NGA

END OF MESSAGE

[redacted] 25X1

TOP SECRET

