

~~SECRET~~

CORONA



[REDACTED]

23 December 1968

MEMORANDUM FOR: Distribution

[REDACTED]

SUBJECT : CORONA Performance

There have been numerous questions in the past relative to comparing [REDACTED] and CORONA performance. Attached are the correct numbers for such comparisons. These numbers are calculated performance, two sigma low, derived from the CORONA error budget in a manner similar to the [REDACTED] prediction.

[REDACTED]

[REDACTED]

[REDACTED]

CORONA

~~SECRET~~

Declassified and Released by the N R O

In Accordance with E. O. 12958

on NOV 26 1997

J-3 PERFORMANCE PREDICTIONS

FOR SO-380, 3404 AT 80 NM

	2nd Generation Lens		3rd Generation Lens					
	Along Track 0°	Along Track 30°	Across Track 0°	Across Track 30°	Along Track 0°	Along Track 30°	Across Track 0°	Across Track 30°
Resolution (1/mm)	130	132	126	72	155	158	151	76
Blur (microns)	3.28	3.01	2.64	11.0	3.28	3.01	2.64	11.0
GRD (Feet)	6.3	7.2	6.5	13.2	5.5	6.2	5.5	14.5

CONDITIONS

Exposure - 2.44 msec  
 Slit Width Range - 0.180 to 0.210 (inch)  
 Contrast - 2:1