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(S) NATIONAL RECONNAISSANCE OFFICE

WASHINGTON, D.C.

CORONA

OFFICE OF THE DIRECTOR

████████████████████  
BK 400067056  
October 28, 1966

MEMORANDUM FOR GENERAL CARROLL, DIA

SUBJECT: Panoramic Geometry Calibration of CORONA J-1  
Camera System

The design goals for the panoramic geometry calibration of the CORONA J-1 camera system have been achieved with instruments 198 and 199, designated as the PG-2 system.

It is requested that a complete user evaluation be conducted using the photography from this PG-2 system to determine the advantages of this photography with its calibration data in the production of maps and charts.

The analysis of the P.G. photography and its application to mapping and charting should include specific comments on the following topics:

- (1) Analysis of operational photography to confirm the precision of the preflight calibration.
- (2) Specific comments on which MC&G requirements are achieved by the inclusion of Pan Geometry in the CORONA system.
- (3) Specific comments on those MC&G requirements which are not satisfied by this system. This section should contain definitive description of system deficiencies which precluded the achievement of these requirements.

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In Accordance with E. O. 12958

on NOV 26 1997

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- (4) Cost effective analysis (including both equipment and labor) of map and chart production using P.G. photography as opposed to the direct approach using longer focal length frame photography to calibrate panoramic photography and control the map or chart sheets.

In view of the considerable time (3 to 4 months) required to perform the mensuration for this evaluation and the necessity for early decision affecting future systems, I will appreciate it if my staff can be briefed on the evaluation results as soon as possible and if this briefing can be followed by a final written report.

Alexander H. Flax

*Alexander H. Flax*

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