

**CORONA**

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14 JUL 1969

MEMORANDUM FOR : Information Processing Coordinator,  
Science and Technology

SUBJECT : Semiannual ADP Management Report,  
1 January to 30 June 1969

REFERENCE : Memorandum dated 25 June 1969,  
Same Subject

1. Your memorandum of 25 June 1969 requested an  
OSP report of ADP activities for this period.

2. Attached is our report on items of interest for your  
further consolidation.

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Chief, Design and Analysis Division  
Office of Special Projects

Attachment: A/S

Distribution: (All w/att)

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Declassified and Released by the NRO

In Accordance with E. O. 12958

on NOV 26 1997

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~~GROUP 1  
Excluded from automatic  
downgrading and  
declassification~~

~~CORONA  
TOP SECRET~~

HANDLE VIA ██████████  
CONTROL SYSTEM ONLY

Dollars:

N/A

Service:

It is anticipated that the approach described will reduce the number of processing steps as well as the time and manpower required to assess what CORONA photography meets area coverage requirements. It will also provide a more valid assessment of what is actually seen by the main camera system.

Achievements:

The acceptable coverage readout process is currently a laborious manual task, with intermediate map overlays produced before digitizing mechanically for computer usage. The ACP process should reduce this process to the minimum time and allow greater accuracy of assessment.

Other Benefits:

Among the anticipated benefits to be derived from the above approach is the early identification of problems associated with the assessment of cloud-free areas in  
[REDACTED]

ITEM IV: PART A. DESCRIPTION OF COMPUTER-BASED SYSTEM

Agency Program Supported:

[REDACTED]

[REDACTED] CORONA  
~~TOP SECRET~~

HANDLE VIA [REDACTED]  
~~CONTROL SYSTEM ONLY~~

Other Benefits:

The Area History File will provide an invaluable and continuing data base for use with future search photographic systems. Analysis based on this data should improve the efficiency of future photographic satellite systems.

ITEM III: PART A. DESCRIPTION OF COMPUTER-BASED SYSTEM

Agency Program Supported:

Category: Collection of Intelligence  
Subcategory: Imagery  
Element: Photographic  
Project: CORONA [REDACTED]

Target Categories and Target Functions:

Multi-regional

System Description:

Coding of the Area Coverage Program (ACP) was completed during this period and checkout is nearly complete. This program will process data from a high-speed semi-automatic digitizer. This hardware has been accepted. The device permits an operator to manually contour areas of CORONA photography which are unacceptable. ACP correlates the frame ephemeris data with the digitized data, converts the contours to true geographical coordinates, and identifies those WAC mosaic cells that represent acceptable coverage.

PART B. BENEFITS

Manpower:

N/A for CIA; however, will reduce manpower at other agencies.

[REDACTED] CORONA  
~~TOP SECRET~~

HANDLE VIA [REDACTED]  
CONTROL SYSTEM ONLY

Target Categories and Target Functions:

Multi-regional

System Description:

CORONA coverage of the Sino-Soviet Bloc from February 1966 through May 1969 was installed in the Area History File. This system of programs allows storage of history of CORONA coverage in terms of WAC mosaic cells and retrieval of data in specific forms for all or parts of the world. Data for 1969 is being installed world wide.

PART B. BENEFITS

Manpower:

N/A

Dollars:

N/A

Service:

Operational use of this file and associated routines will allow collection performance evaluations to be made, resulting in feedback for a more efficient utilization of the CORONA system.

Achievements:

The evaluations achieved will be based on hundreds of thousands of area cells, which would be prohibitive to accomplish by manual means. Formerly, only current coverage status manually displayed on large scale maps was possible.

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Dollars:

N/A

Service:

[REDACTED]

Achievements:

[REDACTED]

Other Benefits:

Improvement in operating techniques through analysis of what was accomplished should prove to be valuable. Most data generated in the past was not amenable to analysis due to lack of storage capacity and computer-compatible formats.

ITEM II: PART A. DESCRIPTION OF COMPUTER-BASED SYSTEM

Agency Program Supported:

Category: Collection of Intelligence

Subcategory: Imagery

Element: Photographic

Project: CORONA

[REDACTED] CORONA  
~~TOP SECRET~~

HANDLE VIA [REDACTED]  
~~CONTROL SYSTEM ONLY~~

SEMIANNUAL REPORT OF ACCOMPLISHMENTS  
IN THE USE AND MANAGEMENT OF ADP  
(Reference: BOB Circular A-79)

ADP Unit: OSP Period Covered: 2nd half of FY 1969

SECTION I: ACCOMPLISHMENTS IN THE USE OF DIGITAL COMPUTERS

ITEM I: PART A DESCRIPTION OF COMPUTER-BASED SYSTEM

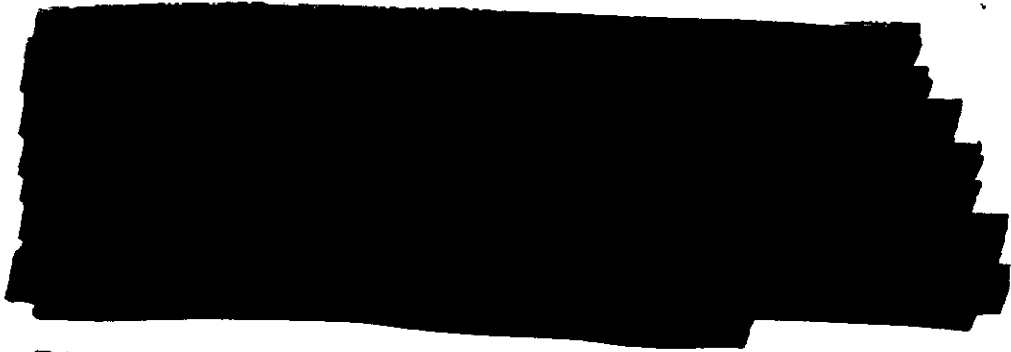
Agency Program Supported:

Category: Collection of Intelligence  
Subcategory: Imagery  
Element: Photographic  
Project: CORONA

Target Categories and Target Functions:

Multi-regional

System Description:



PART B. BENEFITS

Manpower:

N/A

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~~TOP SECRET~~

HANDLE VIA ~~CONTROL SYSTEM ONLY~~

**\*\*\*\*\*NOTICE OF REMOVED PAGES\*\*\*\*\***

Pages 6 through 8 of CORONA, ARGON, AND LANYARD programmatic information are not provided because their full text remains classified.