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Copy [redacted] copies
7 April 1961

MEMORANDUM FOR: Chief, TIBD

THROUGH: Executive Director

SUBJECT: Trip Report - [redacted] and [redacted]
24 March 1961

1. PURPOSE: To visit Itak to ensure that TIB had all the camera design parameters of the C''' and E-5 camera systems necessary for computer programming and exploitation.

2. GENERAL:

a. C''' Camera System - Discussion with Mr. Wolf.

- (1) The basic changes affecting computer programming and exploitation are the changes in the V/E programmer and format.
- (2) DC is similar to that provided on the C and C' systems, except the sweep is in the opposite direction and the appropriate constants are different. Actual constants are available in TIB.
- (3) Timing pipe will remain at 160 CPS, but will be clearer and a pulse extinction system will be used.
- (4) The same digitote used on C and C' systems will be utilized on the C''' system.

b. E-5 Camera System - Discussion with [redacted]

A few specifications:

Camera type
Lens
Format size

Panoramic
66" f 5.0
4.5"x25" + data block (machines
readable)

Declassified and Released by the N R O

In Accordance with E. O. 12958
on NOV 26 1997

This document contains information
referring to Project CORONA



Stereo overlap	10% in vertical - continuous mode
Design altitude	155 MM
Film load	26,000' to 52,000' on thin base film
Orientation data	Provided to $\pm .1^\circ$
Useful life	Up to 30 days
Timing pipe	128 cps
Modes	$0^\circ - 15^\circ - 30^\circ$ roll, with continuous or burst operation
Time	To 1/10 second

3. RECOMMENDATION: It is recommended that NPIC secure several copies of the booklet described below and the classified supplements in order to better prepare for E-5.

"Itek Achievements in Aerial Panoramic Photography", dated 10 June 1960. ISBN 60 (s) 1260
P - 167

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CONCUR:

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Distribution:
Original 

