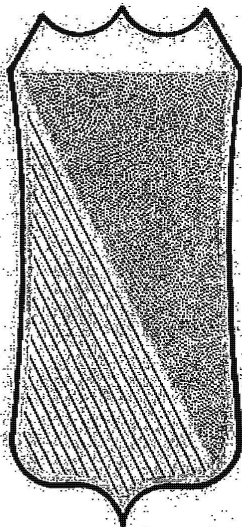


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APR 8 1981



PROGRAM 989 GALLANT SHIELD PERFORMANCE REVIEW



25X1

<p>CLASSIFIED BY: SPECIAL1 EXEMPT FROM GENERAL DECLASSIFICATION SCHEDULE OF E.O. 11652, EXEMPTION CATEGORY: 9B, 12 AUTOMATICALLY DECLASSIFIED OR IMPOSSIBLE TO DETERMINE</p>	<p>NATIONAL SECURITY INFORMATION UNAUTHORIZED DISCLOSURE SUBJECT TO CRIMINAL SANCTIONS WARNING NOTICE SENSITIVE INTELLIGENCE SOURCES AND METHODS INVOLVED</p>	<p>HANDLE VIA GYEMAN CONTROL SYSTEM ONLY</p>
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GALLANT SHIELD

- JOINT ARMY/AIR FORCE EXERCISE
 - FT BLISS TEXAS
 - APRIL 18-22, 1975

- TACTICAL ELINT SUPPORT FROM OVERHEAD SYSTEMS
 - URSALA – DEDICATED MINICOMPUTER PROCESSING
 - TCR PROCESSING
 - RAQUEL – TCR PROCESSING AND REPORTING

[Redacted Box]

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POPPY

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OBJECTIVES

• TRAINING OBJECTIVE

INTEGRATED SIGINT SUPPORT TO TACTICAL COMMANDERS

• SAFSP OBJECTIVES

DEMONSTRATE OPERATIONAL FEASIBILITY OF MINICOMPUTER PROCESSING OF TACTICAL ELINT DATA

- DIRECT READOUT TO TACTICAL USER
- SATELLITE-BORNE MINICOMPUTER PROCESSING

•

25X1

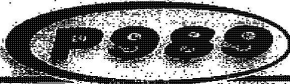
PROVIDE ELINT SUPPORT TO TACTICAL COMMANDERS

DEMONSTRATE DEDICATED RAPID PROCESSING FOR TACTICAL ELINT

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**GALLANT SHIELD - DEDICATED PROCESSING SYSTEM**

- MULTI MINICOMPUTER CONCEPT

- REAL-TIME PROCESSING SYSTEM

- INTERACTIVE OUTPUT DISPLAYS
RAPID EDIT CAPABILITY

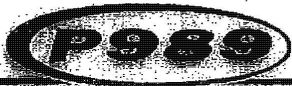
- AUTOMATIC REPORT MESSAGE GENERATION

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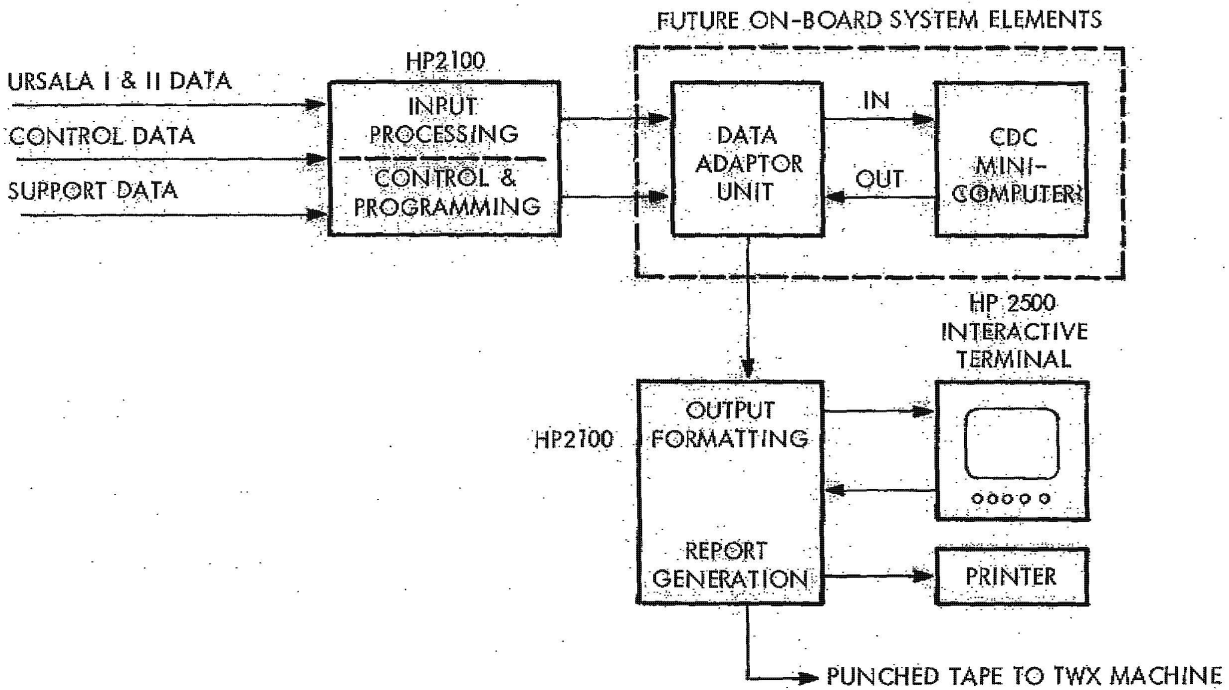
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GALLANT SHIELD DEDICATED PROCESSING SYSTEM

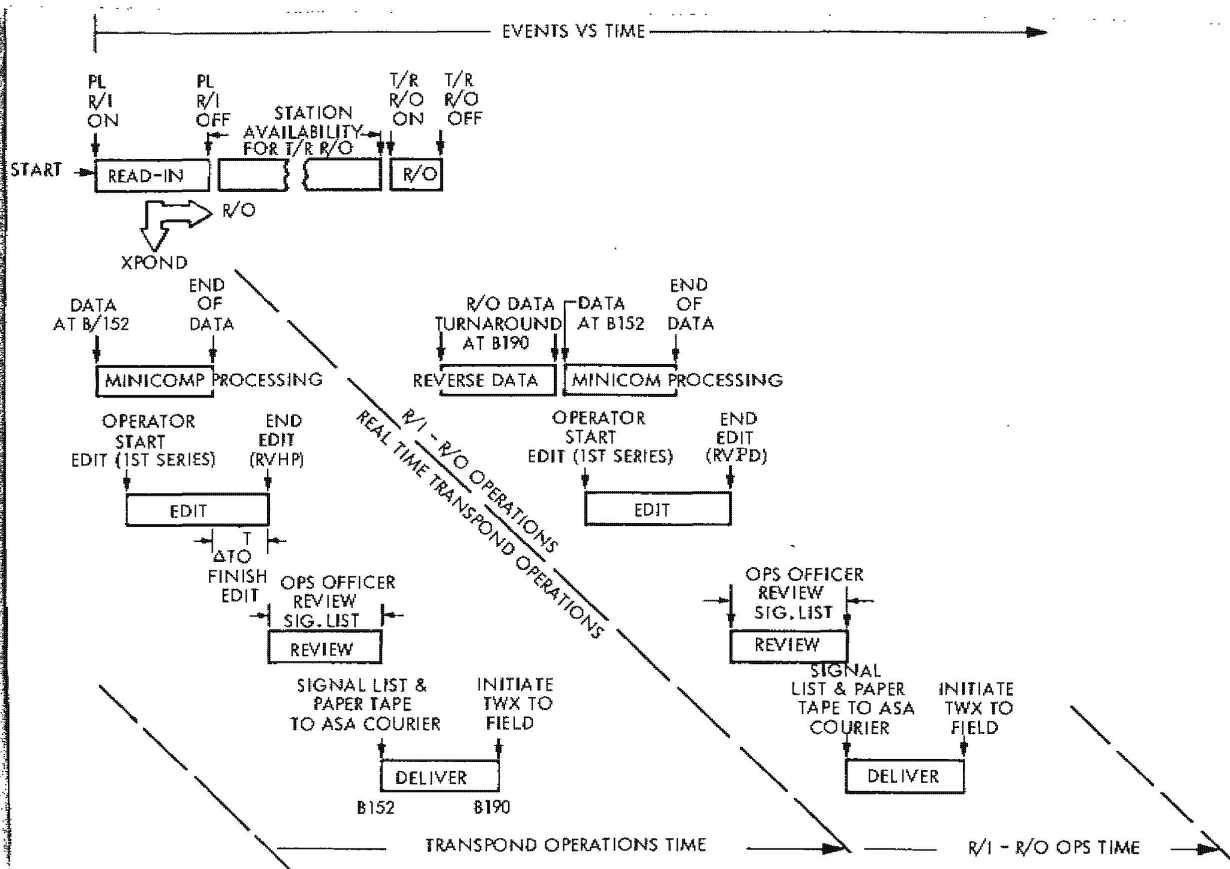


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OPERATIONS TIMING DIAGRAM



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ASC DATA PROCESSING TIMELINESS

	<u>AVERAGE</u>	<u>STANDARD DEVIATION</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>
P/L TASKING	1.3 MIN	0.3	1.0 MIN	2.3 MIN
ASC DATA PROCESSING	+4 SEC			
EDITING	9.2	8.2	1.0	29.0
MANAGEMENT REVIEW	4.2	3.8	0	19.0
TOTAL	<u>14.7 MIN</u>		<u>2.0 MIN</u>	<u>50.3 MIN</u>

DATA FROM 21 ASC GALLANT SHIELD TASKINGS
 11 TRANSPONDS (URSALA I)
 10 RECORD/PLAYBACK (URSALA II)

EXTRAORDINARY DELAYS FOR REVERSAL OF PLAYBACK DATA REMOVED

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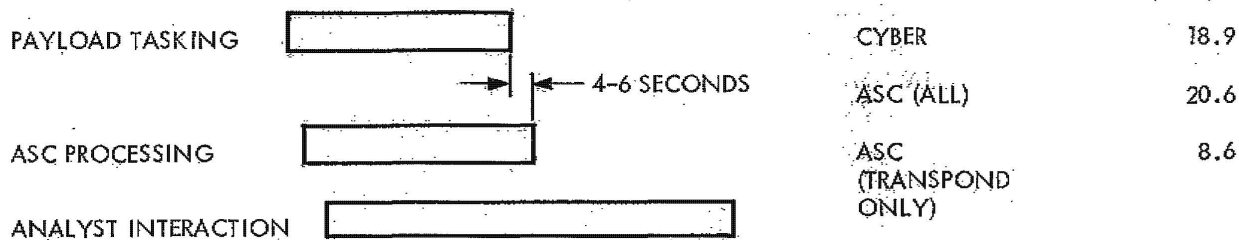
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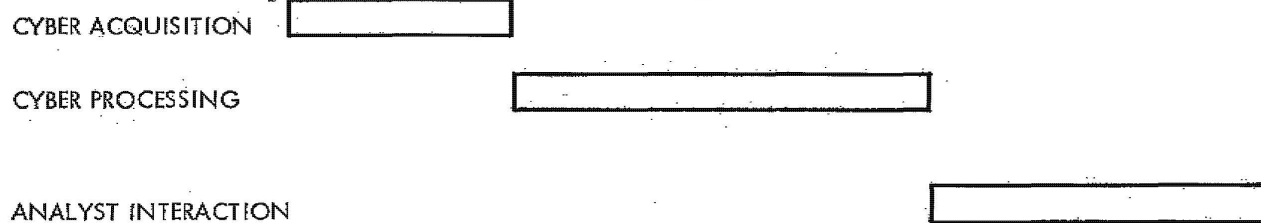


ASC VS CYBER SEQUENCE DISTINCTION

COLLECTION-TO-DELIVERY TIME
(MINUTES)



CYBER	18.9
ASC (ALL)	20.6
ASC (TRANSPOND ONLY)	8.6



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