

~~TOP SECRET~~



1 October 1963

(In thousands of dollars)

LONG LEAD TIME ITEMS STILL TO BE PROCESSED (Estimated costs) 5170 5430

New Bldg. at Pt. Arguello to replace #517 200.0 5170 5430

Flight Experiment and Facilities

Data Transmitters 60.0 — — — — 60 10

R and D for Preamps for higher microwave frequencies 80.0 — — — — — 80

Screen Room for Bldg. #56 NRL 15.0 (to date) — — — — — 15

200k (5170) {

Portable Antenna Plotter 50.0 (under study) — — — — — 50

195.0 — — — — 135

Up-Dating Collection Huts

New Azimuth Deviation Units. (ADI) 20.0 — — — — — 20

Low Noise Converter 100.0 — — — — — 100

Tuning Control Equipment 60.0 — — — — — 60

180.0 180

Field Hut for Quality Control

Analysis (2 sites)

Display and Analysis Equipment with Cameras 120.0 (under study)

Time Code Readout, Search and Control 30.0 (under study)

PRF Analyzer 30.0

180.0 180k

Modifications to Command System

Transmitter Modifications 50.0

Strip Chart Readout for Digital System 20.0

Test Equipment for Command System 20.0

90.0 90k

Hybla Valley Installation

Receiving System 37.0

Time Code Generator 15.0

Recording System 55.0

Test Equipment 23.0

Antennas and Misc. 10.0

140.0 140k

Long Lead Time Items Still to be Processed TOTAL 985.0 725k

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HANDLE VIA
~~BYEMAN TALENT VEHICLE~~
CONTROL SYSTEMS JOINTLY

~~TOP SECRET~~



1 October 1963

(In thousands of dollars)

LONG LEAD TIME ITEMS STILL TO BE PROCESSED (Estimated costs)

New Bldg. at Pt. Arguello to replace #517 200.0

Flight Experiment and Facilities

Data Transmitters	60.0	
R and D for Preamps for higher microwave frequencies	80.0	
Screen Room for Bldg. #56 NRL	15.0 (to date)	
Portable Antenna Plotter	<u>50.0 (under study)</u>	195.0

Up-Dating Collection Huts

New Azimuth Deviation Units (ADI)	20.0	
Low Noise Converter	100.0	
Tuning Control Equipment	<u>60.0</u>	180.0

Field Hut for Quality Control

Analysis (2 sites)

Display and Analysis Equipment with Cameras	120.0 (under study)	
Time Code Readout, Search and Control	30.0 (under study)	
PRF Analyzer	<u>30.0</u>	180.0

Modifications to Command System

Transmitter Modifications	50.0	
Strip Chart Readout for Digital System	20.0	
Test Equipment for Command System	<u>20.0</u>	90.0

Hybla Valley Installation

Receiving System	37.0	
Time Code Generator	15.0	
Recording System	55.0	
Test Equipment	23.0	
Antennas and Misc.	<u>10.0</u>	140.0

Long Lead Time Items Still to be Processed TOTAL 985.0

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~~BYEMAN~~
CONTROL SYSTEMS JOINTLY

3000
4 TO: ~~SECRET~~

LONG LEAD TIME ITEMS

(In thousands of dollars)
Estimated
3 May 63
Obligated
FY 63 FY 64

Provision for security space for Project Director and Staff
New Bldg. at Pt. Arguello to replace #517

10.
200. ← 11. In process →

Flight Experiment and Facilities

Data Transmitters 60.
R and D of Preamps for higher microwave freqs. 100.
Screen Room 25.
Antenna Plotter (portable) 50.

In Process →

← 20. (TO DATE)
← 10. " "
Under Negotiation

235.

Up-Dating Collection Huts

New Frequency Assignments and ADI System 30.
New Low Noise Converter 175.
Recorder Monitor Meter System 125.
Time Code Reader 50.
FM Record Center Freq. (HP 5255L Counter) 75.

← 12.5 (TO DATE)
11K → 30K (TO DATE)
← 55.
← 45. (TO DATE)

455.

Field Quality Control and Analysis Hut for two sites

Additional Recorder Reproducer Units 60.
Spinning Head Accessory for Recorder 120.
Display and Analysis equipment with Cameras 120.
Time Code Readout, Search and Control 30.
P.R.F. Analyzer 100.

← 190.
Under Study →
70K → 70K →

430.

Modifications to Command System

Transmitter Modifications 50.
Strip Chart Readout for Digital system 20.
Test Equipment for Command System 50.

← 30.

120.

Hybla Valley Installation

Receiving System 37.
Time Code Generator 15.
Recording System 55.
Test Equipment 23.
Antennas and Misc. 10.

HANDLE VIA GYEMAN CONTROL SYSTEM ONLY
Presently →
Deferred →

140.

GRAND TOTAL

\$1,590.

484.5

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(In thousands of dollars)

LONG LEAD TIME ITEMS

	<u>Estimated</u> <u>3 May 63</u>	<u>Obligated 1 Oct 1963</u>	
		<u>FY 63</u>	<u>FY 64</u>
Provision for security space for Project Director and Staff	10.0	11.0	
New Bldg. at Pt. Arguello to replace #517	200.0		In process
<u>Flight Experiment and Facilities</u>			
Data Transmitters	60.0		In process
R and D of Preamps for higher microwave freqs.	100.0	20.0	
Screen Room	25.0	10.0	
Antenna Plotter (portable)	50.0		Under negotiatio
	235.0		
<u>Up-Dating Collection Huts</u>			
New Frequency Assignments and ADI System	30.0	12.5	
New Low Noise Converter	175.50		
Recorder Monitor Meter System	125.0	30.0	11.0
Time Code Reader	50.0	55.0	
FM Record Center Freq. (HP 5245L Counter)	75.0	45.0	
	455.0		
<u>Field Quality Control and Analysis</u>			
<u>Hut for two sites</u>			
Additional recorder reproducer units	60.0	190.0	
Spinning Head accessory for Recorder	120.0		
Display and Analysis equipment with Cameras	120.0		
Time Code Readout, Search and Control	30.0		Under study
PRF Analyzer	100.0		70.0
	430.0		
<u>Modifications to Command System</u>			
Transmitter Modifications	50.0		
Strip chart readout for digital system	20.0		
Test Equipment for Command System	50.0	30.0	
	120.0		
<u>Hybla Valley Installation</u>			
Receiving System	37.0		
Time Code Generator	15.0		
Recording System	55.0		
Test Equip	23.0		
Antennas and misc.	10.0	140.0	
			Presently Deferred
TOTAL	\$1,590.0	403.5	81.0

BYEMAN CONTROL SYSTEMS JOINTLY Presently Deferred

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still to be processed

1 October 1963 Budget review

LONG LEAD TIME ITEMS ~~(in thousands of dollars)~~ Estimated ~~Costs~~ ~~in thousands of dollars~~

New Bld. at Pt. Arguello to replace #517 \$200 In process

2 - Flight Experiment and Facilities

Data Transmitters	60	In process	
R & D for Preamps for higher microwave frequencies	80	to date	
Screen Room for Bld #56 NRL	15	to date	
Portable Antenna Plotter	50	Under negotiation	200
			<u>195</u>

3 - Up-Dating Collection Huts

New Azimuth Deviation Units (ADI)	20	to date	180
Low Noise Converter	100	to date	180
Tuning Control Equipment	60		90
			<u>140</u>

4 - Field Hut for Quality Control Analysis (2 sites)

Display and Analysis Equipment with Cameras	120	Under Study	
Time Code Readout, Search and Control	30	Under Study	
PRF Analyzer	30	to date	
			<u>180</u>

5 - Modifications to Command System

Transmitter Modifications	50		
Strip Chart Readout for Digital System	20		
Test Equipment for Command System	20	to date	
			<u>90</u>

6 - Hybla Valley Installation

Receiving System	37		
Time Code Generator	15		
Recording System	55		
Test Equipment	23	to date	
Antennas and Misc.	10	to date	
			<u>140</u>

Long Lead Time Items Still To Be Processed TOTAL . . . \$995,985

NEW REQUIREMENTS FOR LONG LEAD TIME ITEMS FOR FUTURE PROGRAM

1 - Digitalization of Data will result

New Payload Data System	200
Collection System Modifications	300
Increased Power Supply capability	100

2 - Extension of the frequency coverage upward into C and X band will result in

R & D for C & X band Components	50
Component Inventory for X & C band	30

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\$780

OVER

~~TOP SECRET~~

~~TOP SECRET~~

686

- 3 - Stabilization of satellite systems will result in additional expenditures of about \$100
- Damping systems for gravity gradient boom. 100
- Earth Aspect ~~system~~ measuring system. 30

- 4 - Future Requirement for a third Field Hut for Quality Control Analysis will result in additional expenditures of about \$100

~~Future Program Long Lead Time~~

New Requirements Total 910K

6.7

1.6

8.3

5170

5430

2108.5 1st 1/2
 2251.1 2nd 1/2
 4359.6

1102.2 1st 1/2
 1178 2nd 1/2
 2200

HANDLE VIA BYEMAN CONTROL SYSTEM ONLY

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