

Interoffice

National Radio Astronomy Observatory
Green Bank, West Virginia

ADDITIONAL BASELINE TO INTERFEROMETER

MEMO No.

172

To: Monterville Project Group

June 14, 1982

From: R. Fisher

Subject: Schedule Update

I have modified the schedule as suggested in our meeting of May 20, and a copy is attached. The changes reflect increases in the total time to buy telescope accessories, bid the telescope cables and install the control rack in the equipment trailer. Also, I corrected the premature date for completing the link reflector installation (END 05).

RF/baw
Attachments

NATIONAL RADIO ASTRONOMY OBSERVATORY
ACTIVITY TIME SCHEDULE REPORT

PAGE 1

PROGRAM 09JUN82 REPORT DATE. NAVY TELESCOPE PROJECT.
PROJECT NAVY - INTERFEROMETER PROJECT.

NAVY01
INT001

RUN DATE 09JUN82

LEVEL DETAIL

SORTED BY PRED,SUCC

PRED EVENT	SUCC EVENT	CY. CD.	ACTIVITY DESCRIPTION	TIME EST	SLACK PRIM. SEC.	EARLY START	DATES FINISH	LATE START	DATES FINISH	SCHED.	DEPT
	ST01 S		BEGIN PROJECT.		.0	A01JUN81	A01JUN81	01JUN81	01JUN81		
ST01	1000		BID LINK 1 REFLECTOR	06.0	.0	A01JUN81	A13JUL 81	01JUN81	13JUL81		
ST01	1040		DES. NEW LINK ELECT.	48.0	.0	A01JUN81	11MAY82	01JUN81	11MAY82		
ST01	1050		FIN. DES. LINK 2 SITES	04.0	17.8	A01JUN81	A29JUN81	01JUN81	02NOV81		
ST01	1130		FINAL TELESCOPE SPEC.	03.0	.0	A01JUN81	A22JUN81	01JUN81	22JUN81		
ST01	1190		DUMMY	0000	2.4	A01JUN81	A01JUN81	01JUN81	17JUN81		
ST01	1548		LEAD DUMMY	46.9	39.3	A01JUN81	03MAY82	10MAR82	04FEB83		XX
1000	1010		ORDER LINK 1 REFLECTOR	08.0	.0	A13JUL81	A08SEP81	13JUL 81	06SEP81		
1000	1030		DESIGN REFLECTOR FOUND.	02.0	2.0	A13JUL81	A27JUL81	13JUL81	10AUG81		
1010	1020		INSTALL LINK 1 REFLEC.	04.0	.0	A08SEP81	A06OCT81	08SEP81	06CCT81		
1020	1470		DUMMY	0000	89.4	A06OCT81	X06OCT81	06OCT81	07JUL83		
1020	ENC01		DUMMY	0000	.0	A06OCT81	A06OCT81	06OCT81	06OCT81		
1030	1010		POUR FOUND. LINK 1 REFL.	04.0	2.0	A27JUL81	A24AUG81	10AUG81	08SEP81		
1040	1280		ORDER, DLV. ELECT. PARTS	15.0	.0	11MAY82	24AUG82	11MAY82	24AUG82		
1050	1052		LEAD DUMMY	02.0	17.8	A29JUN81	A15JAN82	02NOV81	24MAY82		XX
1050	1090		ACQ. CHEAT MTN. PROPERTY	22.0	36.8	A29JUN81	X01DEC81	02NOV81	20AUG82		
1050	1100		CLEAR GB LINK 2 SITE	03.0	47.6	A29JUN81	A15SEP81	02NOV81	20AUG82		
1052	1060		BIC REFLEC. FOR LINK 2	06.0	17.8	A15JAN82	A01MAR82	24MAY82	02JUL82		
1060	1070		ORD. DLV. 3 LINK 2 REFLC	08.0	17.8	A01MAR82	A17MAY82	02JUL82	20SEP82		
1060	1090		DESIGN FOUND. CHEAT MTN.	02.0	22.8	A01MAR82	15MAR82	06AUG82	20AUG82		
1060	1100		DUMMY	0000	24.8	A01MAR82	A01MAR82	02JUL82	20AUG82		
1070	1080		DUMMY	0000	17.8	A17MAY82	X17MAY82	20SEP82	20SEP82		
1070	1120		DUMMY	0000	19.8	A17MAY82	X17MAY82	20SEP82	04OCT82		
1080	1490		INSTALL CHEAT MTN REFLEC	06.0	17.8	17MAY82	28JUN82	20SEP82	01NOV82		
1090	1080		POUR FOUND. CHEAT MTN.	04.0	22.8	15MAR82	12APR82	20AUG82	20SEP82		
1100	1110		DESIGN FOUND. GB REFLEC	02.0	24.8	A01MAR82	15MAR82	20AUG82	03SEP82		
1110	1120		POUR FOUND. GB LINK 2	04.0	24.8	15MAR82	12APR82	03SEP82	04OCT82		
1120	1490		INSTALL GB LINK 2 REFLEC	04.0	19.8	17MAY82	14JUN82	04OCT82	01NOV82		
1130	1140		REQUEST PROPOSALS	10.0	.0	A22JUN81	A01SEP81	22JUN81	01SEP81		
1140	1150		AWARD CONTRACT	07.0	.0	A01SEP81	A23OCT81	01SEP81	23OCT81		
1150	1152		LEAD DUMMY	17.0	32.0	A23OCT81	A26FEB82	23OCT81	11OCT82		XX
1150	1160		MONITOR TELESCOPE DESIGN	14.0	.0	A23OCT81	A03FEB82	23OCT81	03FEB82		
1150	1400		MODIFY STERLING MOUNT	16.0	29.0	A23OCT81	X18FEB82	23OCT81	13SEP82		
1152	1320		BUY TEL. ACCESSORIES	25.0	32.0	A26FEB82	20AUG82	11OCT82	06APR83		
1160	1170		DUMMY	0000	15.1	A03FEB82	A03FEB82	03FEB82	21MAY82		
1160	1180		SPECIFY TELESCOPE CABLES	01.2	1.8	A03FEB82	A11FEB82	03FEB82	26FEB82		
1160	1220		DUMMY	0000	8.0	A03FEB82	A03FEB82	03FEB82	02APR82		
1160	1360		MONITOR TEL. CONSTRUCT	23.0	.0	A03FEB82	16JUL82	03FEB82	16JUL82		
1170	1330		BIC TELESCOPE CABLES	18.0	13.9	A11FEB82	21JUN82	21MAY82	27SEP82		
1180	1170		DUMMY	0000	13.9	A11FEB82	A11FEB82	26FEB82	21MAY82		
1180	1410		D & B DRIVE & CNTRL ELEC	58.0	3.0	A11FEB82	31MAR83	08MAR82	21APR83		
1180	1440		INST CNTRL RK/CEN TRAILER	19.0	1.8	A11FEB82	28JUN82	26FEB82	09JUL82		
1190	1200 2		FINALIZE SITE DESIGN	06.0	11.4	A01JUN81	A13JUL81	17JUN81	01OCT81		
1190	1200 1		TRANSFER FUNDS NAVY-AUI	15.0	2.4	A01JUN81	A15SEP81	17JUN81	01OCT81		
1190	1270 2		RECALL EQUIP. TRAILER	02.0	24.6	A01JUN81	A15JUN81	17JUN81	07DEC81		
1190	1270 1		SPECIFY TRAILER CONFIG.	04.0	22.6	A01JUN81	A29JUN81	17JUN81	07DEC81		

NATIONAL RADIO ASTRONOMY OBSERVATORY
ACTIVITY TIME SCHEDULE REPORT

PAGE 2

PROGRAM 09JUN82 REPORT DATE. NAVY TELESCOPE PROJECT.
PROJECT NAVY - INTERFEROMETER PROJECT.

NAVY01
INT001

RUN DATE 09JUN82

LEVEL DETAIL

SCRTED BY PRED,SUCC

PRED EVENT	SUCC EVENT	CY. CD.	ACTIVITY DESCRIPTION	TIME EST	SLACK PRIM. SEC.	EARLY START	DATES FINISH	LATE START	DATES FINISH	SCHED.	DEPT
1200	1210		ACQ MCINTERVILLE PROPERTY	11.0	2.4	A15SEP81	A01DEC81	01OCT81	17DEC81		
1210	1212		LEAD DUMMY	03.8	8.2	A01DEC81	A03FEB82	17DEC81	05APR82		XX
1210	1214		LEAD DUMMY	04.4	2.4	A01DEC81	A04JAN82	17DEC81	20JAN82		XX
1210	1230		GRADE ROAD & CLEAR SITE	14.0	6.8	A01DEC81	A15MAR82	17DEC81	30APR82		
1210	1260		NEGOTIATE POWER CONTRACT	12.0	8.2	A01DEC81	A01MAR82	17DEC81	27APR82		
1212	1240		BID SECURITY FENCE	06.0	8.2	A03FEB82	A19MAR82	05APR82	17MAY82		
1214	1220		DRILL CORE SAMPLES	10.0	2.4	A04JAN82	A17MAR82	20JAN82	02APR82		
1220	1230		CFAR TELESCOPE PADS	04.0	2.4	A17MAR82	A14APR82	02APR82	30APR82		
1220	1420		DUMMY	0000	2.4	A14APR82	A14APR82	3JAPR82	30APR82		
1240	1242		LEAD DUMMY	06.4	8.2	A19MAR82	A04MAY82	17MAY82	30JUN82		XX
1242	1250		INSTALL FENCE	02.0	8.2	A04MAY82	A13MAY82	30JUN82	09JUL82		
1250	1430		DUMMY	0000	8.2	A13MAY82	X13MAY82	09JUL82	09JUL82		
1260	1440		INSTALL POWER LINE	12.0	8.2	A01MAR82	X13MAY82	27APR82	09JUL82		
1270	1440		MODIFY/WIRE EQUIP TRAILER	30.0	22.6	A29JUN81	X29JAN82	07DEC81	09JUL82		
1280	1290		ASSEMBLE LINK 1 ELECT	15.3	17.7	24AUG82	10DEC82	28DEC82	15APR83		
1280	1300		ASSEMBLE LINK 2 ELECT	27.0	.0	24AUG82	04MAR83	24AUG82	04MAR83		
1290	1310		LAB TEST LINK 1	04.8	17.7	10DEC82	13JAN83	15APR83	19MAY83		
1300	1310		LAB TEST LINK 2	10.8	.0	04MAR83	19MAY83	04MAR83	19MAY83		
1310	1460		INSTL LINK ELEC, CCN BLD	03.0	.0	19MAY83	10JUN83	19MAY83	10JUN83		
1320	1322		LEAD DUMMY	09.6	32.0	20AUG82	28OCT82	06APR83	14JUN83		XX
1322	1520		INSTALL TEL ACCESSORIES	08.0	32.0	28OCT82	24DEC82	14JUN83	10AUG83		
1330	1340		ORDER TELESCOPE CABLES	08.0	13.9	21JUN82	16AUG82	27SEP82	22NOV82		
1340	1350		MEAS & ASSEM TEL CABLES	06.0	13.9	16AUG82	28SEP82	22NOV82	04JAN83		
1350	1352		LEAD DUMMY	28.5	13.9	28SEP82	18APR83	04JAN83	27JUL83		XX
1352	1520		INSTALL TELESCOPE CABLES	02.0	13.9	18APR83	02MAY83	27JUL83	10AUG83		
1360	1340		DUMMY	0000	18.1	16JUL82	16JUL82	22NOV82	22NOV82		
1360	1370		ERECT TELESCOPE	03.0	.0	16JUL82	06AUG82	16JUL82	06AUG82		
1360	END02		DUMMY	0000	.0	16JUL82	16JUL82	16JUL82	16JUL82		
1370	1380		ADJUST SURFACE	02.0	.0	06AUG82	20AUG82	06AUG82	20AUG82		
1380	1390		ACCEPT TELESCOPE	03.0	.0	20AUG82	13SEP82	20AUG82	13SEP82		
1390	1350		DUMMY	0000	16.1	13SEP82	13SEP82	04JAN83	04JAN83		
1390	1400		DUMMY	0000	.0	13SEP82	13SEP82	13SEP82	13SEP82		
1390	1410		DUMMY	0000	31.2	13SEP82	13SEP82	21APR83	21APR83		
1390	1500		INSTALL INDUCTOSYNS	01.0	1.0	13SEP82	20SEP82	20SEP82	27SEP82		
1400	1500		INSTALL STERLING MOUNT	02.0	.0	13SEP82	27SEP82	13SEP82	27SEP82		
1410	1412		LEAD DUMMY	04.4	3.0	31MAR83	02MAY83	21APR83	23MAY83		XX
1412	1540		INSTL DRIVE & CNTRL ELEC	06.0	3.0	02MAY83	14JUN83	23MAY83	06JUL83		
1420	1430		PCUR TOWER & EQUIP PADS	10.0	2.4	A14APR82	23JUN82	30APR82	09JUL82		
1430	1432		LEAD DUMMY	10.0	53.0	23JUN82	01SEP82	06JUL83	15SEP83		XX
1430	1440		DUMMY	0000	2.4	23JUN82	23JUN82	09JUL82	09JUL82		
1430	1490		INSTALL MICROWAVE TOWER	06.0	12.4	23JUN82	04AUG82	20SEP82	01NOV82		
1432	END04		LANDSCAPE, INST SERVICES	02.0	53.0	01SEP82	16SEP82	15SEP83	29SEP83		
1440	1450		MOVE TRAILER, CCNN POWER	01.0	1.8	28JUN82	05JUL82	09JUL82	16JUL82		
1450	1360		DUMMY	0000	1.8	05JUL82	05JUL82	16JUL82	16JUL82		
1460	1470		REMOVE 45' FC, NEW L.O.	03.6	.0	10JUN83	07JUL83	13JUN83	07JUL83		
1470	1480		INSTLL/TEST H-VILLE ELEC	01.8	.0	07JUL83	20JUL83	07JUL83	20JUL83		

NATIONAL RADIO ASTRONOMY OBSERVATORY
ACTIVITY TIME SUMMARY REPORT

PAGE 3

PROGRAM 09JUN82 REPORT DATE. NAVY TELESCOPE PROJECT.
PROJECT NAVY - INTERFEROMETER PROJECT.

NAVY01
INT001

RUN DATE 09JUN82

LEVEL DETAIL

SCRPTD BY PRED,SUCC

PRED EVENT	SUCC EVENT	CY. CD.	ACTIVITY DESCRIPTION	TIME EST	SLACK PRIM. SEC.	EARLY START	DATES FINISH	LATE START	DATES FINISH	SCHED.	DEPT
1480	1530		INSTALL/TEST M-VILLE ELEC	03.0	.0	20JUL83	10AUG83	20JUL83	10AUG83		
1490	1480		DUMMY	0000	49.0	04AUG82	04AUG82	20JUL83	20JUL83		
1490	END05		DUMMY	0000	12.4	04AUG82	04AUG82	01NOV82	01NOV82		
1500	1510		LEAD DUMMY	39.0	5.4	27SEP82	30JUN83	03NOV82	09AUG83		XX
1500	1540		DUMMY	0000	39.6	27SEP82	27SEP82	06JUL83	06JUL83		
1500	END03		DUMMY	0000	.0	27SEP82	27SEP82	27SEP82	27SEP82		
1510	1520		INSTALL FRONT END	00.2	5.4	30JUN83	01JUL83	09AUG83	10AUG83		
1520	1530		DUMMY	0000	3.0	20JUL83	20JUL83	10AUG83	10AUG83		
1530	1560		TST COMP CONTROL OF TEL	03.0	.0	10AUG83	31AUG83	10AUG83	31AUG83		
1540	1520		TST DRIVE & CONTROL ELEC	05.0	3.0	14JUN83	20JUL83	06JUL83	10AUG83		
1548	1550		PROGRAM DCPI16 COMPUTER	24.0	39.3	03MAY82	19OCT82	04FEB83	27JUL83		
1550	1520		TST DELAY CONTROL BY DDP	02.0	39.3	19OCT82	02NOV82	27JUL83	10AUG83		
1560	END04		TST PING, EFF, FRINGES	04.0	.0	31AUG83	29SEP83	31AUG83	29SEP83		
END01		E			.0	A06OCT81	A06OCT81	06OCT81	06OCT81		
END02		E			.0	16JUL82	16JUL82	16JUL82	16JUL82		
END03		E			.0	27SEP82	27SEP82	27SEP82	27SEP82		
END04		E			.0	29SEP83	29SEP83	29SEP83	29SEP83		
END05		E			12.4	04AUG82	04AUG82	01NOV82	01NOV82 01NOV82		

NATIONAL RADIO ASTRONOMY OBSERVATORY
ACTIVITY BAR CHART

PAGE 1

PROGRAM
PROJECT

09JUN82 REPORT DATE. NAVY TELESCOPE PROJECT.
NAVY - INTERFEROMETER PROJECT.

NAVY01
INT001

RUN DATE 09JUN82

PRED EVENT	SUCC EVENT	CY CD	DESCRIPTION	A - ACTIVITY COMPLETE * - ACTIVITY DURATION	P - PACING ITEM - - ACTIVITY FLOAT	.FINAL .DATE	DEPT		
ST01	1000		BID LINK 1 REFLECTOR	AAA		13JUL81			
ST01	1040		DES. NEW LINK ELECT.	PPPPPPPPPPPPPPPPPPPPPP		11MAY82			
ST01	1050		FIN. DES. LINK 2 SITES	AA.		29JUN81			
ST01	1130		FINAL TELESCOPE SPEC.	AA.		22JUN81			
1000	1010		ORDER LINK 1 REFLECTOR	AAAAA		08SEP81			
1000	1030		DESIGN REFLECTOR FOUND.	AA		27JUL81			
1010	1020		INSTALL LINK 1 REFLEC.	. AAA		06OCT81			
1030	1010		POUR FOUND. LINK 1 REFL.	.AAA		24AUG81			
1040	1280		ORDER, DLV. ELECT. PARTS.		PPPPPPPP	24AUG82			
1050	1090		ACQ. CHEAT MTN. PROPERTY.	AAAAAAAAAAAAA		01DEC81			
1050	1100		CLEAR CB LINK 2 SITE	AAAAAA		15SEP81			
1052	1060		BID REFLEC. FOR LINK 2		AAAAA	01MAR82			
1060	1070		ORD, DLV. 3 LINK 2 REFLC.		AAAAAA:	17MAY82			
1060	1090		DESIGN FOUND. CHEAT MTN.		*-----	15MAR82			
1080	1490		INSTALL CHEAT MTN REFLEC.		***-----	28JUN82			
1090	1080		POUR FOUND. CHEAT MTN.		***-----	12APR82			
1100	1110		DESIGN FOUND. GB REFLEC.		*-----	15MAR82			
1110	1120		POUR FOUND. GB LINK 2		***-----	12APR82			
1120	1490		INSTALL GB LINK 2 REFLEC.		**-----	14JUN82			
1130	1140		REQUEST PROPOSALS	AAAAAA		01SEP81			
1140	1150		AWARD CONTRACT		AAAA	23OCT81			
1150	1160		MONITOR TELESCOPE DESIGN.		AAAAAAAAA	03FEB82			
1150	1400		MODIFY STERLING MOUNT		AAAAAAAAA	18FEB82			
1152	1320		BUY TEL. ACCESSORIES		*****-----	20AUG82			
1160	1180		SPECIFY TELESCOPE CABLES.		A	11FEB82			
1160	1360		MONITOR TEL. CONSTRUCT		PPPPPPPPPPPP	16JUL82			
1170	1330		BID TELESCOPE CABLES		*****-----	21JUN82			
1180	1410		D & B DRIVE & CNTRL ELEC.		*****-----	31MAR83			
1180	1440		INST CNTRL RK/CEN TRAILR.		*****-----	28JUN82			
1190	1200 2		FINALIZE SITE DESIGN	AAA		13JUL81			
1190	1200 1		TRANSFER FUNDS NAVY-AUI	AAAAAAA		15SEP81			
1190	1270 2		RECALL EQUIP. TRAILER	A		15JUN81			
1190	1270 1		SPECIFY TRAILER CONFIG.	AA.		29JUN81			
1200	1210		ACQ MONTEVILLE PROPLRTY.		AAAAAAA	01DEC81			
1210	1230		GRADE ROAD & CLEAR SITE		AAAAAAA	15MAR82			
1210	1260		NEGOTIATE POWER CONTRACT.		AAAAAAA	01MAR82			
1212	1240		BID SECURITY FENCE		. AAAA	19MAR82			
1214	1220		DRILL CORE SAMPLES		AAAAAA	17MAR82			
1220	1230		DRAW TELESCOPE PADS		. AA	14APR82			
1242	1250		INSTALL FENCE		. A	13MAY82			
1260	1440		INSTALL POWER LINE		. AAAAA	13MAY82			
1270	1440		MODIFY/WIRE EQUIP TRAILR.	AAAAAAAAAAAAA		29JAN82			
1280	1290		ASSEMBLE LINK 1 ELECT		*****-----	10DEC82			
1280	1300		ASSEMBLE LINK 2 ELECT		PPPPPPPPPPPPPP	04MAR83			
1290	1310		LAB TEST LINK 1		***-----	13JAN83			
1300	1310		LAB TEST LINK 2			PPPPPP	19MAY83		
1310	1460		INSTL LINK ELEC, CCN BLD.			PP	10JUN83		
1322	1520		INSTALL TEL ACCESSORIES		*****-----	24DEC82			
1330	1340		ORDER TELESCOPE CABLES		*****-----	16AUG82			
1340	1350		MEAS & ASSEM TEL CABLES		***-----	28SEP82			
1352	1520		INSTALL TELESCOPE CABLES.		**-----	02MAY83			
				01JUL81	01JAN82	01JUL82	01JAN83	01JUL83	01JAN84

NATIONAL RADIO ASTRONOMY OBSERVATORY
ACTIVITY BAR CHART

PAGE 2

PROGRAM 09JUN82 REPORT DATE. NAVY TELESCOPE PROJECT.
PROJECT NAVY - INTERFEROMETER PROJECT.

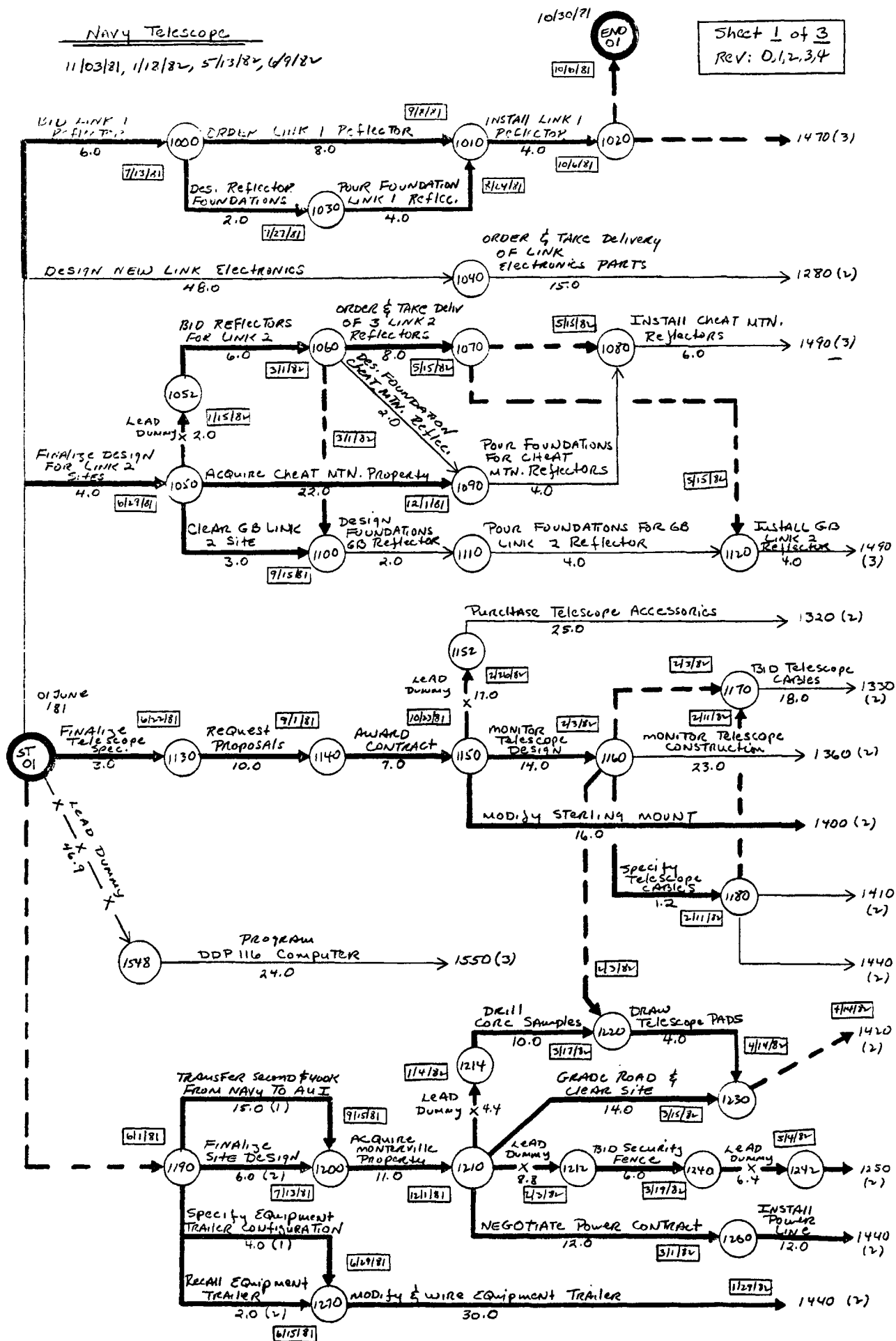
NAVY01
INT001

RUN DATE 09JUN82

PRED EVENT	SLCC EVENT	CY CD	DESCRIPTION	A - ACTIVITY COMPLETE * - ACTIVITY DURATION	P - PACING ITEM - - ACTIVITY FLOAT	.FINAL .DATE	DEPT		
1360	1370		ERECT TELESCOPE	.	.PP	06AUG82			
1370	1380		ADJUST SURFACE	.	.PP	20AUG82			
1380	1390		ACCEPT TELESCOPE	.	.PP	13SEP82			
1390	1500		INSTALL INDUCTOSYNS	.	. **	20SEP82	—		
1400	1500		INSTALL STERLING MOUNT	.	.PP	27SEP82			
1412	1540		INSTL DRIVE & CONTRL ELEC.	.	. ***--	14JUN83			
1420	1430		POUR TOWER & EQUIP PADS	.	. *****--	23JUN82			
1430	1490		INSTALL MICROWAVE TOWER	.	. : *****--	04AUG82			
1432	END04		LANDSCAPE, INST SERVICES.	.	. : **--	16SEP82			
1440	1450		MOVE TRAILER, CONN POWER.	.	. : ***--	05JUL82			
1460	1470		REMOVE 45' Fe, NEW L.C.	.	. : . PPP	07JUL83			
1470	1480		INSTLL/TEST H-VILLE ELEC.	.	. : . PP	20JUL83			
1480	1530		INSTLL/TEST M-VILLE ELEC.	.	. : . .PP	10AUG83			
1510	1520		INSTALL FRONT END	.	. : . ***--	01JUL83	→		
1530	1560		TST COMP CONTRCL OF TEL	.	. : . . PP	31AUG83	→		
1540	1520		TST DRIVE & CONTRCL ELEC.	.	. : . ****--	20JUL83			
1548	1550		PROGRAM DCP116 COMPUTER	.	. : . *****--	19OCT82			
1550	1520		TST DELAY CONTRCL BY DDP.	.	. : . **--	02NOV82			
1560	END04		TST PTING, EFF, FRINGES	.	. : . PPP	29SEP83	→		
				01JUL81	01JAN82	01JUL82	01JAN83	01JUL83	01JAN84

11/03/81, 1/12/82, 5/13/82, 6/9/82

Sheet 1 of 3
Rev: 0,1,2,3,4



11/03/21, 1/18/22, 5/13/22, 6/9/22

Sheet 3 of 3
Rev: 0, 1, 2, 3, 4

