

ADDITIONAL BASELINE TO INTERFEROMETER

MEMO No. 188

NATIONAL RADIO ASTRONOMY OBSERVATORY  
Green Bank, West Virginia

May 12, 1983

*See Meeting  
Notes*

TO: Monterville Project Group  
FROM: R. Fisher  
SUBJECT: Progress report meeting

There will be a Monterville Project progress meeting at 10:30 a.m. Friday, May 20th, in the Jansky lab basement and via telephone to Charlottesville.

You will notice in the April Financial Status Report that we now have a total of \$1.4M allocated to the project. I have distributed this allocation according to our original estimates for each project category made in early 1982 with the exception of the "Site" and "Telescope" categories which appear to be well under budget. Please give some thought to whether my allocations are sufficient to complete each project category. Some expenditures may have been assigned to different categories than in the original estimate, so don't be concerned about a particular category requiring a larger allocation. However, we do need a reasonably good updated estimate of the final cost for the interferometer budget to be submitted to the Navy this summer.

A new schedule is attached which incorporates the changes suggested by Bill Klepczynski at the last meeting and a bit more program debugging time when the new link comes up.

RF/bbs  
Attachments (2)

NATIONAL RADIO ASTRONOMY OBSERVATORY  
ACTIVITY TIME STATUS REPORT

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PROGRAM 27APR83 REPORT DATE. NAVY TELESCOPE PROJECT.  
PROJECT NAVY - INTERFEROMETER PROJECT.

NAVY01  
INT001

RUN DATE 27APR83

LEVEL DETAIL

SORTED BY PRED,SUCC

PRED EVENT	SUCC EVENT	CY. CD.	ACTIVITY DESCRIPTION	TIME EST	SLACK PRIN. 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	A13JUL81	01JUN81	13JUL81		
ST01	1040		DES. NEW LINK ELECT.	48.0	.0	A01JUN81	A25MAY82	01JUN81	25MAY82		
ST01	1050		FIN. DES. LINK 2 SITES	04.0	45.6	A01JUN81	A29JUN81	01JUN81	21MAY82		
ST01	1130		FINAL TELESCOPE SPEC.	03.0	14.8	A01JUN81	A22JUN81	01JUN81	05OCT81		
ST01	1190		DUMMY	0000	39.4	A01JUN81	A01JUN81	01JUN81	11MAR82		
ST01	1548		LEAD DUMMY	11.0	5.8	A01JUN81	A16AUG82	01JUN81	27SEP82		XX
1000	1010		ORDER LINK 1 REFLECTOR	08.0	.0	A13JUL81	A08SEP81	13JUL81	08SEP81		
1000	1030		DESIGN REFLECTOR FOUND.	02.0	2.0	A13JUL81	A27JUL81	13JUL81	10AUG81		
1010	1020		INSTALL LINK 1 REPLEC.	04.0	.0	A08SEP81	A06OCT81	08SEP81	06OCT81		
1020	1560		DUMMY	0000	106.6	A06OCT81	X06OCT81	06OCT81	07NOV83		
1020	END01		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	A25MAY82	A21SEP82	25MAY82	21SEP82		
1050	1052		LEAD DUMMY	02.0	45.6	A29JUN81	A15JAN82	21MAY82	07DEC82		XX
1050	1090		ACQ. CHEAT MTN. PROPERTY	22.0	79.6	A29JUN81	A01DEC81	21MAY82	22JUN83		
1050	1100		CLEAR GB LINK 2 SITE	03.0	71.4	A29JUN81	A15SEP81	21MAY82	07FEB83		
1052	1060		BID REFLEC. FOR LINK 2	06.0	45.6	A15JAN82	A01MAR82	07DEC82	17JAN83		
1060	1070		ORD, DLV. 3 LINK 2 REFLC	08.0	60.8	A01MAR82	A17MAY82	17JAN83	22JUL83		
1060	1090		DESIGN FOUND. CHEAT MTN.	02.0	45.6	A01MAR82	A02AUG82	17JAN83	22JUN83		
1060	1100		DUMMY	0000	48.6	A01MAR82	A01MAR82	17JAN83	07FEB83		
1070	1080		DUMMY	0000	64.4	A17MAY82	A17MAY82	22JUL83	17AUG83		
1070	1120		DUMMY	0000	60.8	A17MAY82	A17MAY82	22JUL83	22JUL83		
1080	1490		INSTALL CHEAT MTN REFLC	06.0	45.6	A27SEP82	X06OCT82	17AUG83	26AUG83		
1090	1080		POUR FOUND. CHEAT MTN.	04.0	45.6	A02AUG82	A27SEP82	22JUN83	17AUG83		
1100	1110		DESIGN FOUND. GB REFLC	02.0	48.6	A01MAR82	A01JUL82	07FEB83	13JUN83		
1110	1120		POUR FOUND. GB LINK 2	04.0	48.6	A01JUL82	A10AUG82	13JUN83	22JUL83		
1120	1490		INSTALL GB LINK 2 REFLC	04.0	48.6	A10AUG82	X15SEP82	22JUL83	26AUG83		
1130	1140		REQUEST PROPOSALS	10.0	14.8	A22JUN81	A01SEP81	05OCT81	16DEC81		
1140	1150		AWARD CONTRACT	07.0	14.8	A01SEP81	A23OCT81	16DEC81	09FEB82		
1150	1152		LEAD DUMMY	17.0	36.0	A23OCT81	A26FEB82	09FEB82	08NOV82		XX
1150	1160		MONITOR TELESCOPE DESIGN	14.0	14.8	A23OCT81	A03FEB82	09FEB82	20MAY82		
1150	1400		MODIFY STERLING MOUNT	16.0	78.0	A23OCT81	A18FEB82	09FEB82	26AUG83		
1152	1320		BUY TEL. ACCESSORIES	25.0	36.0	A26FEB82	A15SEP82	08NOV82	27MAY83		
1160	1170		DUMMY	0000	44.6	A03FEB82	A03FEB82	20MAY82	17DEC82		
1160	1180		SPECIFY TELESCOPE CABLES	01.2	14.8	A03FEB82	A11FEB82	20MAY82	28MAY82		
1160	1220		DUMMY	0000	45.0	A03FEB82	A03FEB82	20MAY82	21DEC82		
1160	1360		MONITOR TEL. CONSTRUCT	45.0	29.8	A03FEB82	A01NOV82	20MAY82	01JUN83		
1170	1330		BID TELESCOPE CABLES	18.0	43.4	A11FEB82	A15SEP82	17DEC82	21JUL83		
1180	1170		DUMMY	0000	43.4	A11FEB82	A11FEB82	28MAY82	17DEC82		
1180	1410		D & B DRIVE & CONTL ELEC	58.0	14.8	A11FEB82	31MAR83	28MAY82	15JUL83		
1190	1200 2		FINALIZE SITE DESIGN	06.0	48.4	A01JUN81	A13JUL81	11MAR82	24JUN82		
1190	1200 1		TRANSFER FUNDS NAVY-AUI	15.0	39.4	A01JUN81	A15SEP81	11MAR82	24JUN82		
1190	1270 2		RECALL EQUIP. TRAILER	02.0	70.4	A01JUN81	A15JUN81	11MAR82	29OCT82		
1190	1270 1		SPECIFY TRAILER CONFIG.	04.0	68.4	A01JUN81	A29JUN81	11MAR82	29OCT82		
1200	1210		ACQ MONTERVILLE PROPERTY	11.0	39.4	A15SEP81	A01DEC81	24JUN82	09SEP82		

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PROGRAM 27APR83 REPORT DATE. NAVY TELESCOPE PROJECT.  
PROJECT NAVY - INTERFEROMETER PROJECT.

NAVY01  
INT001

RUN DATE 27APR83

LEVEL		DETAIL		SORTED BY PRED,SUCC									
PRED	SUCC	CY.	ACTIVITY	TIME	SLACK	EARLY	DATES	LATE	DATES		DEPT		
EVENT	EVENT	CD.	DESCRIPTION	EST	PRH. SEC.	START	FINISH	START	FINISH	SCHED.			
1210	1212		LEAD DUMMY	08.8	46.2	A01DEC81	A03FEB82	09SEP82	29DEC82		XX		
1210	1214		LEAD DUMMY	04.4	39.4	A01DEC81	A04JAN82	09SEP82	11OCT82		XX		
1210	1230		GRADE ROAD & CLEAR SITE	14.0	43.8	A01DEC81	A15MAR82	09SEP82	18JAN83				
1210	1260		NEGOTIATE POWER CONTRACT	12.0	54.0	A01DEC81	A01MAR82	09SEP82	17MAR83				
1212	1240		BID SECURITY FENCE	06.0	46.2	A03FEB82	A19MAR82	29DEC82	09FEB83				
1214	1220		DRILL CORE SAMPLES	10.0	39.4	A04JAN82	A17MAR82	11OCT82	21DEC82				
1220	1230		DRAW TELESCOPE PADS	04.0	39.4	A17MAR82	A14APR82	21DEC82	18JAN83				
1230	1420		DUMMY	0000	39.4	A14APR82	A14APR82	18JAN83	18JAN83				
1240	1242		LEAD DUMMY	06.4	46.2	A19MAR82	A04MAY82	09FEB83	28MAR83		XX		
1242	1250		INSTALL FENCE	02.0	46.2	A04MAY82	A13MAY82	28MAR83	06APR83				
1250	1430		DUMMY	0000	46.2	A13MAY82	A13MAY82	06APR83	06APR83				
1260	1440		INSTALL POWER LINE	12.0	54.0	A01MAR82	A13MAY82	17MAR83	01JUN83				
1270	1440		MODIFY/WIRE EQUIP TRAILR	30.0	68.4	A29JUN81	A29JAN82	29OCT82	01JUN83				
1280	1290		ASSEMBLE LINK 1 ELECT	28.0	12.0	A21SEP82	07APR83	15DEC82	01JUL83				
1280	1300		ASSEMBLE LINK 2 ELECT	40.0	.0	A21SEP82	01JUL83	21SEP82	01JUL83				
1290	1310		LAB TEST LINK 1	04.8	12.0	07APR83	11MAY83	01JUL83	05AUG83				
1300	1310		LAB TEST LINK 2	04.8	.0	01JUL83	05AUG83	01JUL83	05AUG83				
1310	1480		INSTL LINK ELEC, CON BLD	03.0	.0	05AUG83	26AUG83	05AUG83	26AUG83				
1320	1322		LEAD DUMMY	09.6	36.0	A15SEP82	22NOV82	27MAY83	05AUG83		XX		
1322	1520		INSTALL TEL ACCESSORIES	08.0	36.0	22NOV82	18JAN83	05AUG83	03OCT83				
1330	1340		ORDER TELESCOPE CABLES	08.0	43.4	A15SEP82	A30SEP82	21JUL83	05AUG83				
1340	1350		MEAS & ASSEM TEL CABLES	06.0	39.0	A01NOV82	14DEC82	05AUG83	19SEP83				
1350	1352		LEAD DUMMY	00.0	38.8	15DEC82	15DEC82	19SEP83	19SEP83		XX		
1352	1520		INSTALL TELESCOPE CABLES	02.0	38.8	15DEC82	29DEC82	19SEP83	03OCT83				
1360	1340		DUMMY	0000	39.0	A01NOV82	A01NOV82	01JUN83	05AUG83				
1360	1370		ERECT TELESCOPE	03.0	29.8	A01NOV82	A01DEC82	01JUN83	30JUN83				
1370	1380		ADJUST SURFACE	02.0	29.8	A01DEC82	A08DEC82	30JUN83	08JUL83				
1380	1390		ACCEPT TELESCOPE	03.0	29.8	A08DEC82	A15DEC82	08JUL83	15JUL83				
1390	1350		DUMMY	0000	38.8	A15DEC82	X15DEC82	15JUL83	19SEP83				
1390	1400		DUMMY	0000	35.8	A15DEC82	A15DEC82	15JUL83	26AUG83				
1390	1410		DUMMY	0000	29.8	A15DEC82	X15DEC82	15JUL83	15JUL83				
1390	1500		INSTALL INDUCTOSYNS	01.0	34.8	A15DEC82	22DEC82	19AUG83	26AUG83				
1400	1500		INSTALL STERLING MOUNT	02.0	35.8	A15DEC82	X15DEC82	26AUG83	26AUG83				
1410	1412		LEAD DUMMY	00.0	14.8	31MAR83	31MAR83	15JUL83	15JUL83		XX		
1412	1540		INSTL DRIVE & CONTE ELEC	06.0	14.8	31MAR83	12MAY83	15JUL83	26AUG83				
1420	1430		POUR TOWER & EQUIP PADS	10.0	39.4	A14APR82	A30JUN82	18JAN83	06APR83				
1430	1432		LEAD DUMMY	10.0	56.0	A30JUN82	A09SEP82	06APR83	13OCT83		XX		
1430	1440		DUMMY	0000	47.2	A30JUN82	A30JUN82	06APR83	01JUN83				
1430	1490		INSTALL LINK 2 DISHES	20.0	39.4	A30JUN82	18NOV82	06APR83	26AUG83				
1432	END04		LANDSCAPE, INST SERVICES	02.0	56.0	A09SEP82	X01NOV82	13OCT83	06DEC83				
1440	1450		MOVE TRAILER, CONN POWER	01.0	47.2	A30JUN82	A30JUN82	01JUN83	01JUN83				
1450	1350		INST CONTL RK/CON TRAILR	10.0	52.4	A30JUN82	09SEP82	08JUL83	19SEP83				
1450	1360		DUMMY	0000	47.2	A30JUN82	A30JUN82	01JUN83	01JUN83				
1480	1485		INSTLL/TEST H-VILLE ELEC	03.0	.0	26AUG83	19SEP83	26AUG83	19SEP83				
1485	1530		INST. LINK ELEC IN GB	02.0	.0	19SEP83	03OCT83	19SEP83	03OCT83				
1490	1480		DUMMY	0000	39.4	18NOV82	18NOV82	26AUG83	26AUG83				

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NAVY01  
INT001

RUN DATE 27APR83

LEVEL DETAIL

SORTED BY PRED,SUCC

PRED EVENT	SUCC EVENT	CY. CD.	ACTIVITY DESCRIPTION	TIME EST	SLACK PRIN. SEC.	EARLY START	DATES FINISH	LATE START	DATES FINISH	SCHED.	DEPT
1500	1510		LEAD DUMMY	00.0	39.6	22DEC82	22DEC82	30SEP83	30SEP83		XX
1500	1540		DUMMY	0000	34.8	22DEC82	22DEC82	26AUG83	26AUG83		
1510	1520		INSTALL FRONT END	00.2	39.6	22DEC82	23DEC82	30SEP83	03OCT83		
1520	1530		DUMMY	0000	14.8	17JUN83	17JUN83	03OCT83	03OCT83		
1530	1560		TST COMP CONTROL OF TEL	05.0	.0	03OCT83	07NOV83	03OCT83	07NOV83		
1540	1520		TST DRIVE & CONTROL ELEC	05.0	14.8	12MAY83	17JUN83	26AUG83	03OCT83		
1548	1530		PROGRAM DDP116 COMPUTER	52.0	5.8	16AUG82	22AUG83	27SEP82	03OCT83		
1560	END04 2		INSTALL, TEST HV ELEC	03.0	1.0	07NOV83	29NOV83	14NOV83	06DEC83		
1560	END04 1		TST PTING, EPF, FRINGES	04.0	.0	07NOV83	06DEC83	07NOV83	06DEC83		
END01		E			.0	106OCT81	106OCT81	06OCT81	06OCT81		
END04		E			.0	06DEC83	06DEC83	06DEC83	06DEC83		

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ACTIVITY BAR CHART

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NAVY01  
INTOC1

RUN DATE 27APR83

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.	AAAAAAAAAAAAAAAAAAAAAAAA	:	25MAY82	
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.	. AAAAAAAAA	:	21SEP82	
1050	1090		ACQ. CHEAT MTN. PROPERTY.	AAAAAAAAAAAAA	:	01DEC81	
1050	1100		CLEAR GB 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.	. AAAAAAAAAAAAA	:	02AUG82	
1080	1490		INSTALL CHEAT MTN REFLEC.	. . . . . AA	:	06OCT82	
1090	1080		POUR FOUND. CHEAT MTN.	. . . . . AAAA	:	27SEP82	
1100	1110		DESIGN FOUND. GB REFLEC.	. . . . . AAAAAAAAAA	:	01JUL82	
1110	1120		POUR FOUND. GB LINK 2	. . . . . AAA	:	10AUG82	
1120	1490		INSTALL GB LINK 2 REFLEC.	. . . . . AAA	:	15SEP82	
1130	1140		REQUEST PROPOSALS	AAAAAA	:	01SEP81	
1140	1150		AWARD CONTRACT	. AAAAA	:	23OCT81	
1150	1160		MONITOR TELESCOPE DESIGN.	. AAAAAAA	:	03FEB82	
1150	1400		MODIFY STERLING MOUNT	. AAAAAAAAAA	:	18FEB82	
1152	1320		BUY TEL. ACCESSORIES	. AAAAAAAAAAAAAA	:	15SEP82	
1160	1180		SPECIFY TELESCOPE CABLES.	. A	:	11FEB82	
1160	1360		MONITOR TEL. CONSTRUCT	. AAAAAAAAAAAAAAAAAAAAA	:	01NOV82	
1170	1330		BID TELESCOPE CABLES	. AAAAAAAAAAAAAAAAAAAAA	:	15SEP82	
1180	1410		D & B DRIVE & CONTL ELEC.	. *****	:	31MAR83	
1190	1200 2		FINALIZE SITE DESIGN	AAA	:	13JUL81	
1190	1200 1		TRANSFER FUNDS NAVY-AUI	AAAAAAA	:	15SEP81	
1190	1270 1		SPECIFY TRAILER CONFIG.	AA.	:	29JUN81	
1190	1270 2		RECALL EQUIP. TRAILER	A	:	15JUN81	
1200	1210		ACQ MONTERVILLE PROPERTY.	. AAAAAAA	:	01DEC81	
1210	1230		GRADE ROAD & CLEAR SITE	. AAAAAAA	:	15MAR82	
1210	1260		NEGOTIATE POWER CONTRACT.	. AAAAAAA	:	01MAR82	
1212	1240		BID SECURITY FENCE	. AAAAA	:	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.	AAAAAAAAAAAAAAAAAAAA	:	29JAN82	
1280	1290		ASSEMBLE LINK 1 ELECT	. *****	:	07APR83	
1280	1300		ASSEMBLE LINK 2 ELECT	. PPPPPPPPPPPPPPPPPPP	:	01JUL83	
1290	1310		LAB TEST LINK 1	. ***-----	:	11MAY83	
1300	1310		LAB TEST LINK 2	. : PPP	:	05AUG83	
1310	1480		INSTL LINK ELEC, CON BLD.	. : PP	:	26AUG83	
1322	1520		INSTALL TEL ACCESSORIES	. *****	:	18JAN83	
1330	1340		ORDER TELESCOPE CABLES	. AA	:	30SEP82	
1340	1350		MEAS & ASSEM TEL CABLES	. ***-----	:	14DEC82	
1352	1520		INSTALL TELESCOPE CABLES.	. **-----	:	29DEC82	
1360	1370		ERECT TELESCOPE	. AAA	:	01DEC82	

01JUL81      01JAN82      01JUL82      01JAN83      01JUL83      01JAN84

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ACTIVITY BAR CHART

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NAVY01  
INT001

RUN DATE 27APR83

PRED EVENT	SUCC EVENT	CY CD	DESCRIPTION	A <sub>1</sub> - ACTIVITY COMPLETE * - ACTIVITY DURATION	P - PACING ITEM - - ACTIVITY FLOAT	. FINAL . DATE	DEPT		
1370	1380		ADJUST SURFACE	.	A . : .	08DEC82			
1380	1390		ACCEPT TELESCOPE	.	A . : .	15DEC82			
1390	1500		INSTALL INDUCTOSYMS	.	**-----	22DEC82			
1400	1500		INSTALL STERLING MOUNT	.	A . : .	15DEC82			
1412	1540		INSTL DRIVE & CONTL ELEC.	.	. ****-----	12MAY83			
1420	1430		POUR TOWER & EQUIP PADS	.	AAAAAA . : .	30JUN82			
1430	1490		INSTALL LINK 2 DISHES	.	*****-----	18NOV82			
1432	END04		LANDSCAPE, INST SERVICES.	.	. AAAAA . : .	01NOV82			
1440	1450		MOVE TRAILER, CONN POWER.	.	A . : .	30JUN82			
1450	1350		INST CONTL BK/CCN TRAILR.	.	*****-----	09SEP82			
1480	1485		INSTLL/TEST M-VILLE ELEC.	.	. : . PPP	19SEP83			
1485	1530		INST. LINK ELEC IN GB	.	. : . PP	03OCT83			
1510	1520		INSTALL FRONT END	.	*-----	23DEC82			
1530	1560		TST COMP CONTROL OF TEL	.	. : . PPP	07NOV83			
1540	1520		TST DRIVE & CONTROL ELEC.	.	. : ****-----	17JUN83			
1548	1530		PROGRAM DDP116 COMPUTER	.	*****-----	22AUG83			
1560	END04 2		INSTALL, TEST HV ELEC	.	. : . **-	29NOV83			
1560	END04 1		TST PTING, EFP, FRINGES	.	. : . PPP	06DEC83			
				01JUL81	01JAN82	01JUL82	01JAN83	01JUL83	01JAN84

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NAVY01  
INT001

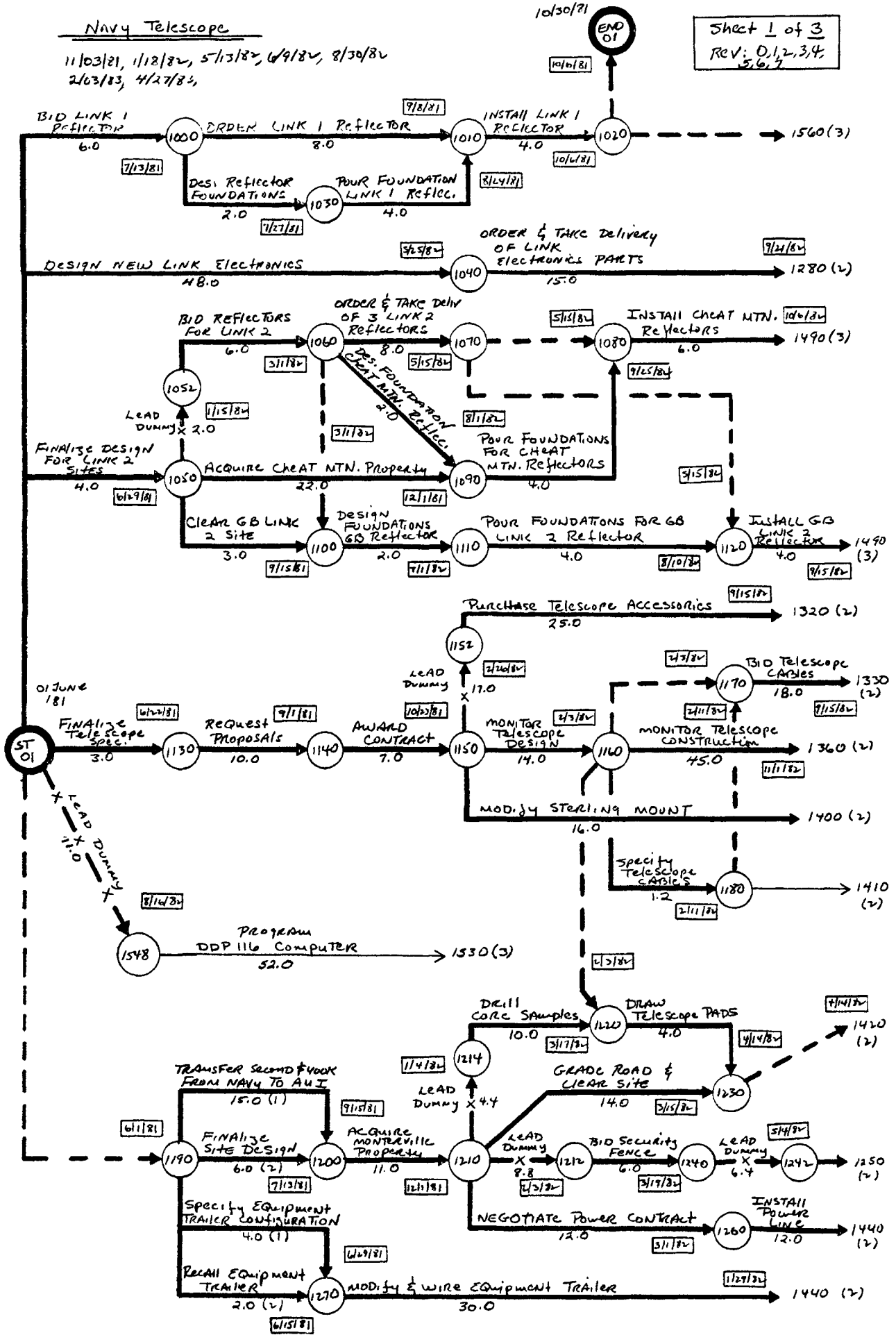
RUN DATE 27APR83

LEVEL		DETAIL		SORTED BY EXP. DATE									
PRED	SUCC	CY.	ACTIVITY	TIME	SLACK	EARLY	DATES	LATE	DATES		DEPT		
EVENT	EVENT	CD.	DESCRIPTION	EST	PRIM. SEC.	START	FINISH	START	FINISH	SCHED.			
1410	1412		LEAD DUMMY	00.0	14.8	31MAR83	31MAR83	15JUL83	15JUL83		XX		
1290	1310		LAB TEST LINK 1	04.8	12.0	07APR83	11MAY83	01JUL83	05AUG83				
1412	1540		INSTL DRIVE & CONTL ELEC	06.0	14.8	31MAR83	12MAY83	15JUL83	26AUG83				
1540	1520		TST DRIVE & CONTROL ELEC	05.0	14.8	12MAY83	17JUN83	26AUG83	03OCT83				
1520	1530		DUMMY	0000	14.8	17JUN83	17JUN83	03OCT83	03OCT83				
1300	1310		LAB TEST LINK 2	04.8	.0	01JUL83	05AUG83	01JUL83	05AUG83				
1310	1480		INSTL LINK ELEC, CON BLD	03.0	.0	05AUG83	26AUG83	05AUG83	26AUG83				
1480	1485		INSTLL/TEST H-VILLE ELEC	03.0	.0	26AUG83	19SEP83	26AUG83	19SEP83				

Navy Telescope

11/03/81, 1/12/82, 5/13/82, 6/9/82, 8/30/82  
2/03/83, 4/27/83,

Sheet 1 of 3  
REV: 0,1,2,3,4  
5,6,7



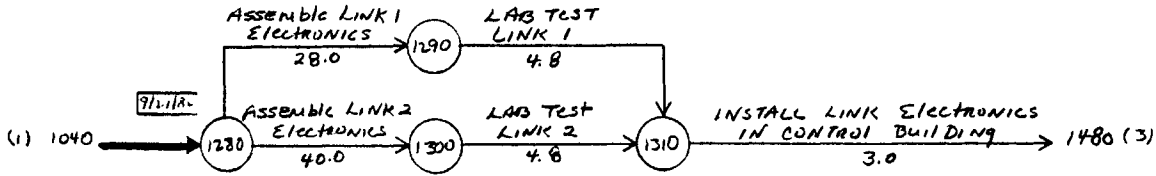


NAVY Telescope

11/03/81, 1/18/82, 5/13/82, 6/9/82, 8/30/82  
2/03/83, 4/27/83,

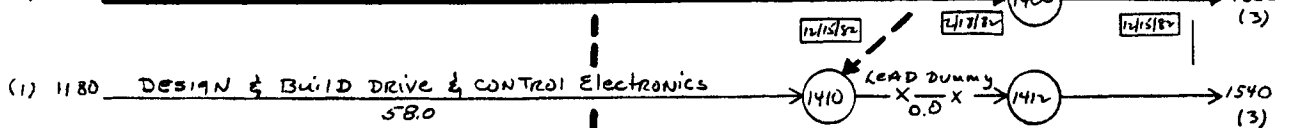
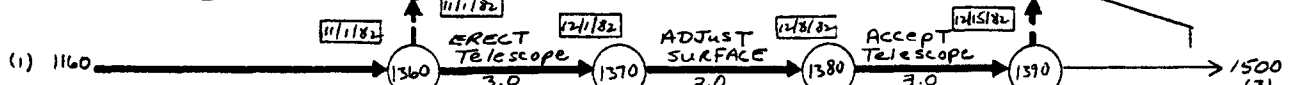
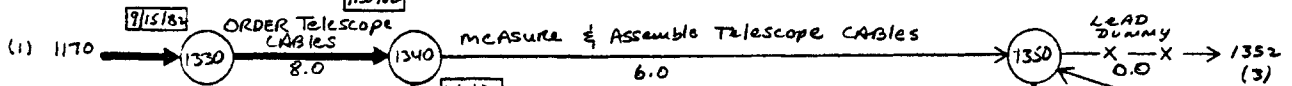
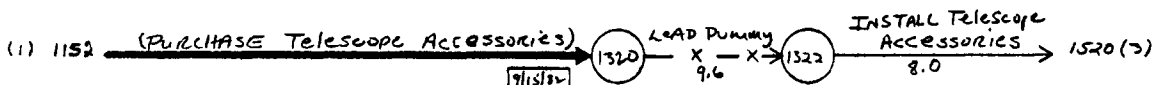
Sheet 2 of 3  
REV: 0, 1, 2, 3, 4, 5  
6, 7

(1) 1020 -----> 1470 (3)

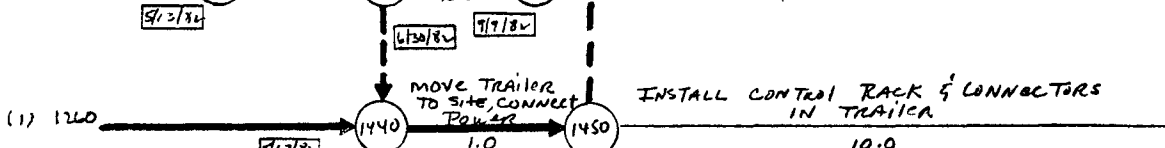
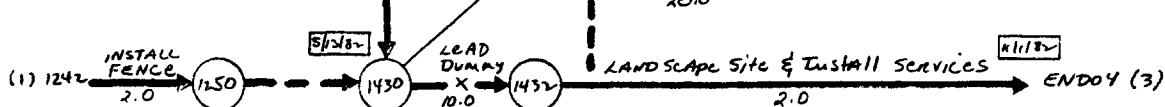
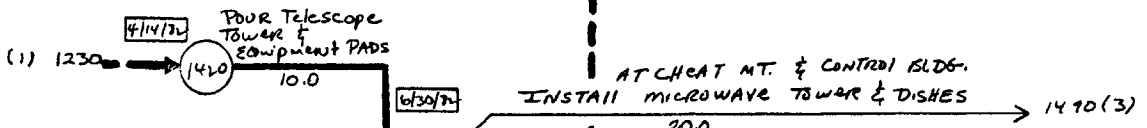


(1) 1080 -----> 1490 (3)  
 (INSTALL CHEAT MOUNTAIN REFLECTORS)  
 10/6/82

(1) 1120 -----> 1490 (3)  
 (INSTALL GREEN BANK LINK 2 REFLECTOR)  
 9/15/82



(1) 1548 -----> 1530 (3)  
 (PROGRAM DDPI16 COMPUTER)

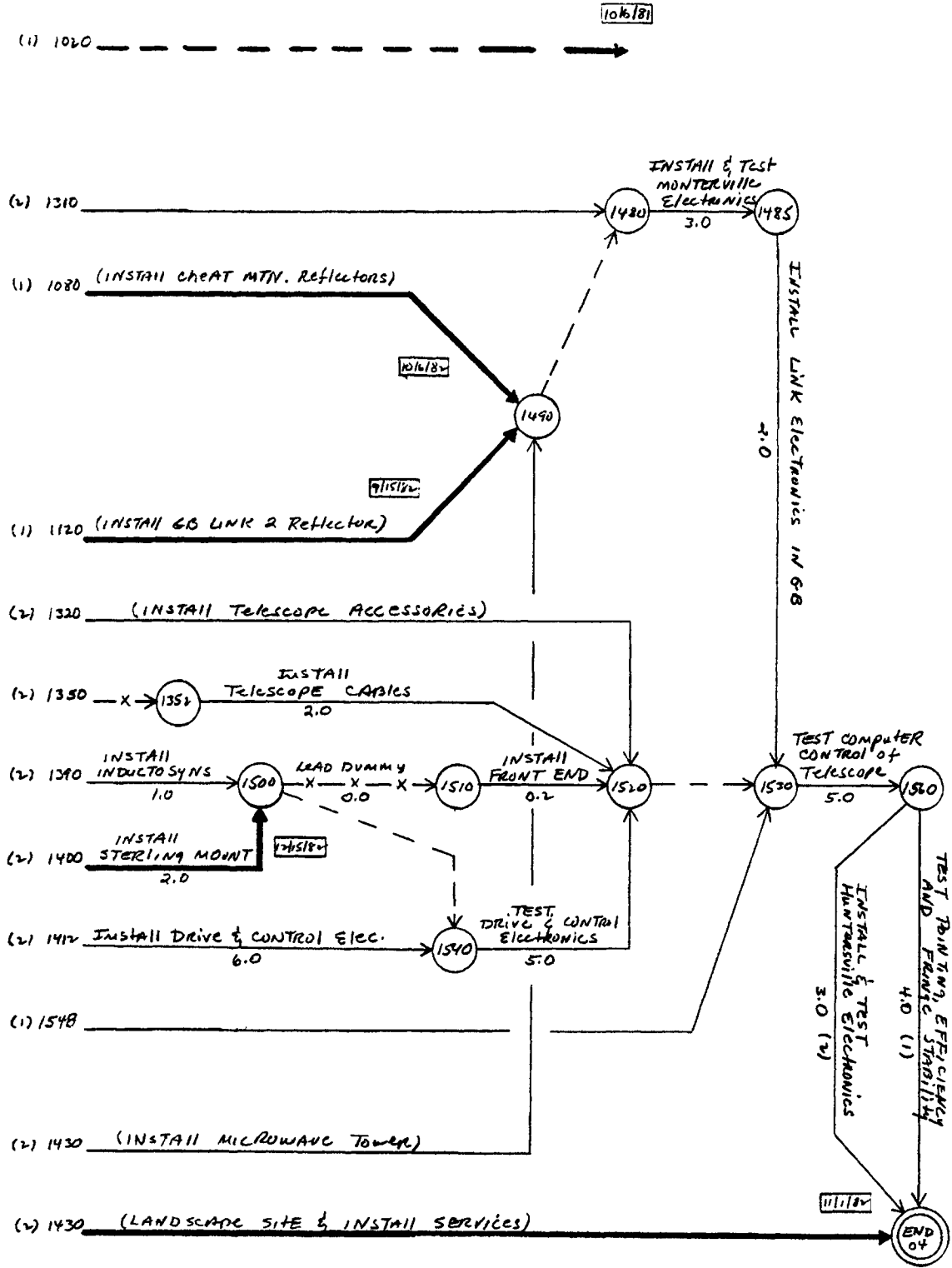


(1) 1270 -----> 1440  
 11/9/82

NAVY Telescope

11/03/81, 1/18/82, 5/13/84, 6/19/84, 8/30/84  
 2/05/87, 4/27/87

Sheet 3 of 3  
 Rev: 0, 1, 2, 3, 4,  
 5, 6, 7



*Antenna  
610K-*

*13142*

ASSOCIATED UNIVERSITIES, INC.  
National Radio Astronomy Observatory  
Financial Status Report  
Interferometer Baseline Addition  
April 30, 1983

<u>Description</u>	<u>Proj. No.</u>	<u>Allocation</u>	<u>Expended</u>	<u>Transferred to Fixed Assets</u>	<u>Balance Construction in Progress</u>	<u>Committed</u>	<u>Expended and Committed</u>	<u>Free Balance</u>
Site	8.110.0	100,000 <i>187,000</i>	90,022	-0-	90,022	142	90,164	9,836
Telescope	8.111.0	790,000 <i>886,300</i>	689,160	-0-	689,160	15,276	704,436	85,564
Link-Electronics	8.112.0	207,000 <i>207,200</i>	141,833	-0-	141,833	35,683	177,516	29,484
Link-Digital	8.113.0	56,000 <i>56,300</i>	8,667	-0-	8,667	1,064	9,731	46,269
Computer	8.114.0	15,000 <i>12,000</i>	1,232	-0-	1,232	7,500	8,732	6,268
Overhead	8.199.0	110,000 <i>95,000</i>	80,329	-0-	80,329	-0-	80,329	29,671
Unallocated		<i>174,558</i> 122,000						122,000
Total		<i>1,620,358</i> 1,400,000	1,011,243	-0-	1,011,243	59,665	1,070,908	329,092

Capital - Prior Years \$2,520