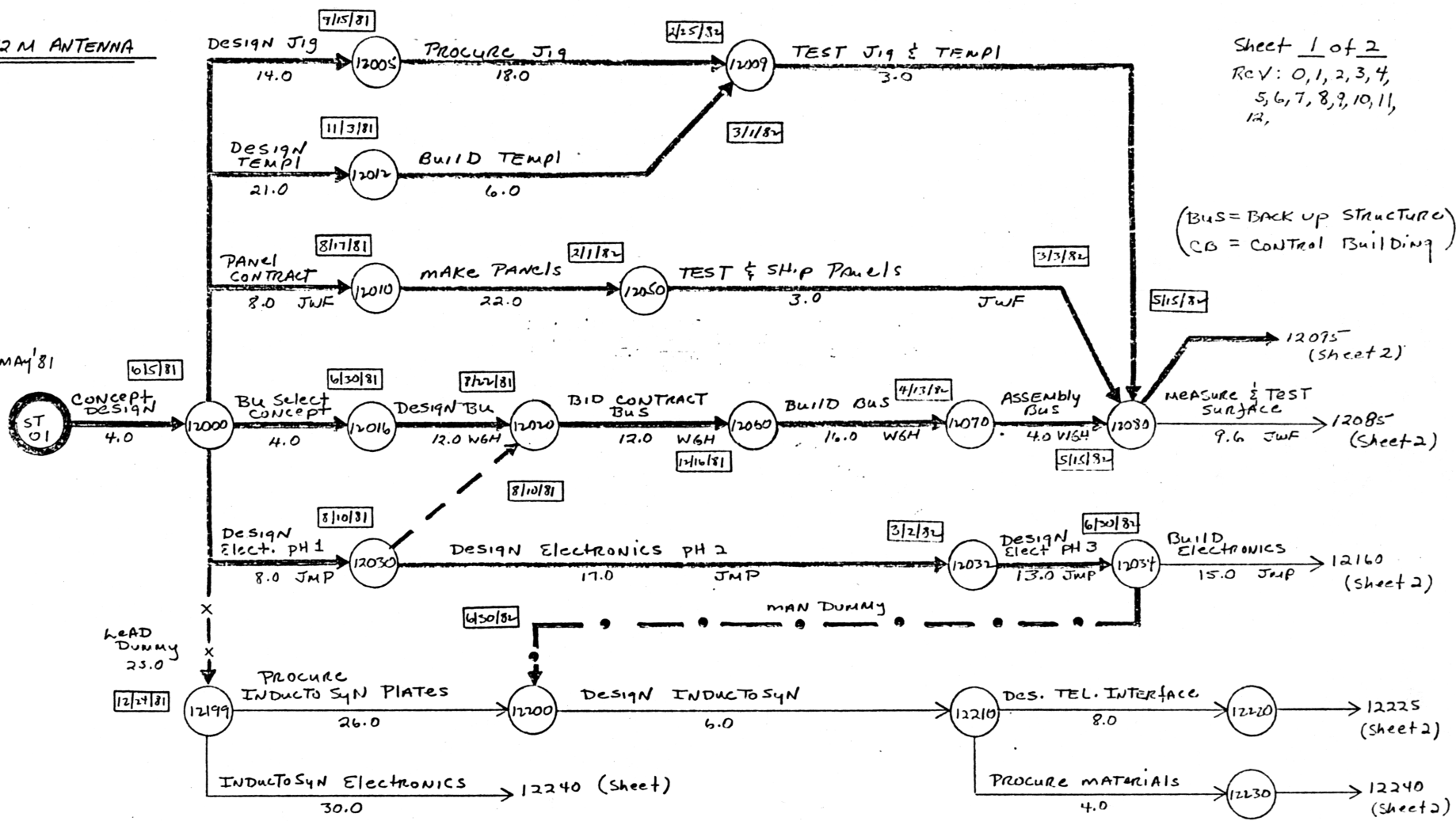


12 M ANTENNA

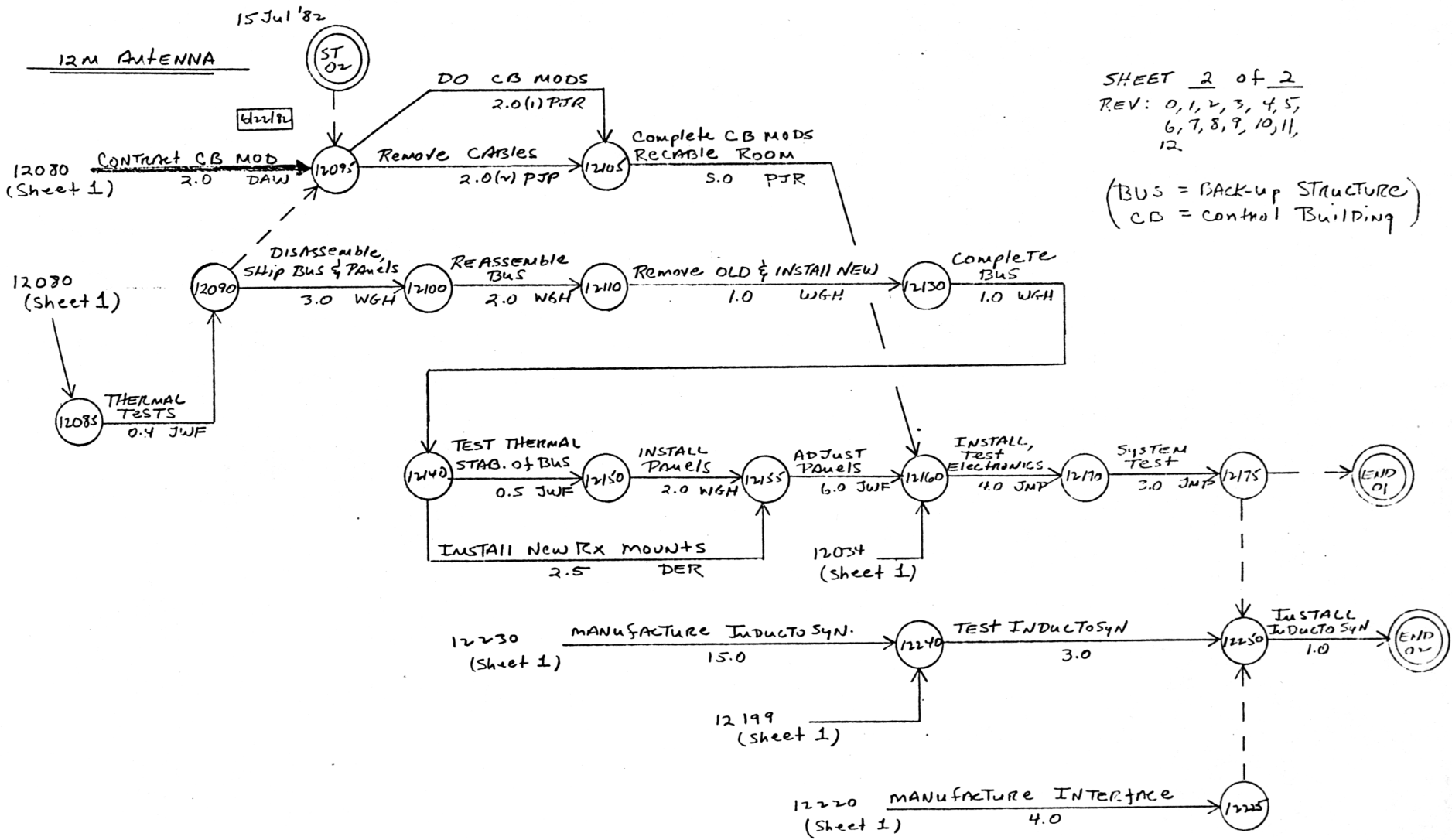
01 MAY '81



Sheet 1 of 2
 Rev: 0, 1, 2, 3, 4,
 5, 6, 7, 8, 9, 10, 11,
 12,

(Bus = BACK UP STRUCTURE)
 (CB = CONTROL BUILDING)

12 METER MILLIMETER WAVE TELESCOPE
 MEMO No. 175



SHEET 2 of 2
 REV: 0, 1, 2, 3, 4, 5,
 6, 7, 8, 9, 10, 11,
 12

(BUS = BACK-up STRUCTURE)
 (CB = CONTROL BUILDING)

NATIONAL RADIO ASTRONOMY OBSERVATORY
ACTIVITY TIME SCHEDULE REPORT

PROGRAM 30JUN82 REPORT DATE. 12M TELESCOPE PROJECT.
PROJECT 12M ANTENNA UPGRADING PROJECT.

12M001
ANT012

RUN DATE 30JUN82

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		.0	A01MAY81	A01MAY81	01MAY81	01MAY81		
	ST02 S				9.9	A15JUL82	A15JUL82	23SEP82	23SEP82		
ST01	12000		CONCEPT DESIGN	04.0	.0	A01MAY81	A08JUN81	01MAY81	08JUN81		
ST02	12055		DUMMY	0000	9.9	A15JUL82	15JUL82	23SEP82	23SEP82		
END01		E			.0	31DEC82	31DEC82	31DEC82	31DEC82		
END02		E			.0	21JAN83	21JAN83	21JAN83	21JAN83		
12000	12005		DESIGN JIG	14.0	.4	A08JUN81	A15SEP81	08JUN81	17SEP81		
12000	12010		PANEL CONTRACT	08.0	10.6	A08JUN81	A17AUG81	08JUN81	30OCT81		JWF
12000	12012		DESIGN TEMPL	21.0	.0	A08JUN81	A03NOV81	08JUN81	03NOV81		
12000	12016		SELECT CONCEPT	04.0	.0	A08JUN81	A30JUN81	08JUN81	30JUN81		
12000	12030		ELECTRONICS DESIGN PH 1	08.0	.0	A08JUN81	A10AUG81	08JUN81	10AUG81		JMP
12000	12199		LEAD DUMMY	25.0	.0	A08JUN81	A24DEC81	08JUN81	24DEC81		XX
12005	12009		FIXTURE JIG	18.0	.4	A15SEP81	A25FEB82	17SEP81	01MAR82		
12009	12080		TEST JIG & TEMPL	03.0	.0	A01MAR82	A17MAY82	01MAR82	17MAY82		
12010	12050		MAKE PANELS	22.0	10.6	A17AUG81	A01FEB82	30OCT81	19APR82		JWF
12012	12009		BUILD TEMPL	06.0	.0	A03NOV81	A01MAR82	03NOV81	01MAR82		
12016	12020		DESIGN BUS	12.0	.0	A30JUN81	A22SEP81	30JUN81	22SEP81		WGH
12020	12060		BID, CONTRACT BLS	12.0	.0	A22SEP81	A16DEC81	22SEP81	16DEC81		WGH
12030	12020		DUMMY	0000	6.0	A10AUG81	A10AUG81	10AUG81	22SEP81		
12030	12032		DESIGN ELECTRONICS PH 2	17.0	.0	A10AUG81	A02MAR82	10AUG81	02MAR82		JMP
12032	12034		DESIGN ELECTRONICS PH 3	13.0	.0	A02MAR82	A30JUN82	02MAR82	30JUN82		JMP
12034	12160		BUILD ELECTRONICS	15.0	4.1	A30JUN82	14OCT82	23JUL82	11NOV82		JMP
12034	12200		MAN DUMMY	0000	.0	A30JUN82	X30JUN82	30JUN82	30JUN82		XX
12050	12080		TEST & SHIP PANELS	03.0	10.6	A01FEB82	A03MAR82	19APR82	17MAY82		JWF
12060	12070		BUILD BUS	16.0	.0	A16DEC81	A13APR82	16DEC81	13APR82		WGH
12070	12080		ASSEMBLY BLS	04.0	.0	A13APR82	A17MAY82	13APR82	17MAY82		WGH
12060	12085		MEASURE & TEST SURFACE	09.6	.0	A17MAY82	22JUL82	17MAY82	22JUL82		JWF
12080	12095		CONTRACT CD MCD	02.0	13.3	A17MAY82	X22JUN82	17MAY82	23SEP82		DAW
12085	12090		THERMAL TESTS	00.4	.0	22JUL82	26JUL82	22JUL82	26JUL82		JWF
12090	12095		DUMMY	0000	8.5	26JUL82	26JUL82	23SEP82	23SEP82		
12090	12100		DISASS, SHIP BUS/PANELS	03.0	.0	26JUL82	16AUG82	26JUL82	16AUG82		WGH
12095	12105 2		REMOVE CABLES	02.0	8.5	26JUL82	09AUG82	23SEP82	07OCT82		PJR
12095	12105 1		DO CB MDDS	02.0	8.5	26JUL82	09AUG82	23SEP82	07OCT82		PJR
12100	12110		REASSEMBLE BUS	02.0	.0	16AUG82	30AUG82	16AUG82	30AUG82		WGH
12105	12160		CMPLT CR MDDS, RECABLE	05.0	8.5	09AUG82	14SEP82	07OCT82	11NOV82		PJR
12110	12130		REMOVE OLD, INSTALL NEW	01.0	.0	30AUG82	07SEP82	30AUG82	07SEP82		WGH
12130	12140		COMPLETE BLS	01.0	.0	07SEP82	14SEP82	07SEP82	14SEP82		WGH
12140	12150		TST THERMAL STAB OF BUS	00.5	.0	14SEP82	16SEP82	14SEP82	16SEP82		JWF
12140	12155		INSTALL NEW RX MOUNTS	02.5	.0	14SEP82	30SEP82	14SEP82	30SEP82		DER
12150	12155		INSTALL PANELS	02.0	.0	16SEP82	30SEP82	16SEP82	30SEP82		WGH
12155	12160		ADJUST PANELS	06.0	.0	30SEP82	11NOV82	30SEP82	11NOV82		JWF
12160	12170		INSTALL, TST ELECTRONICS	04.0	.0	11NOV82	10DEC82	11NOV82	10DEC82		JWF
12170	12175		TEST SYSTEM	03.0	.0	10DEC82	31DEC82	10DEC82	31DEC82		JMP
12175	END01		DUMMY	0000	.0	31DEC82	31DEC82	31DEC82	31DEC82		
12175	12250		DUMMY	0000	1.9	31DEC82	31DEC82	14JAN83	14JAN83		
12199	12200		PRCC. INDUCTOSYNS PLATES	26.0	.0	A24DEC81	30JUN82	24DEC81	30JUN82		

NATIONAL RADIO ASTRONOMY OBSERVATORY
ACTIVITY TIME STATUS REPORT

PROGRAM 30JUN82 REPORT DATE. 12M TELESCOPE PROJECT.
PROJECT 12M ANTENNA UPGRADING PROJECT.

12M001
ANTJ12

RUN DATE 30JUN82

LEVEL DETAIL

SORTED BY PFED,SUCC

PRED EVENT	SUCC EVENT	CY. CD.	ACTIVITY DESCRIPTION	TIME EST	SLACK PRIM. SEC.	EARLY START	DATES FINISH	LATE START	DATES FINISH	SCHED.	DEPT
12195	12240		INDUCTCSYN ELECTRONICS	30.0	21.0	A24DEC81	28JUL82	26MAY82	24DEC82		
12200	12210		DESIGN INDUCTOSYNS	06.0	.0	30JUN82	11AUG82	30JUN82	11AUG82		
12210	12220		DES. TEL INTERFACE	08.0	10.0	11AUG82	07OCT82	21OCT82	17DEC82		
12210	12230		PROCLKE MAT.	04.0	.0	11AUG82	09SEP82	11AUG82	09SEP82		
12220	12225		MFG. INTERFACE	04.0	10.0	07OCT82	04NOV82	17DEC82	14JAN83		
12225	12250		DUMMY	0000	10.0	04NOV82	04NOV82	14JAN83	14JAN83		
12230	12240		MFG. INDUCTOSYNS	15.0	.0	09SEP82	24DEC82	09SEP82	24DEC82		
12240	12250		TEST INDUCTOSYNS	03.0	.0	24DEC82	14JAN83	24DEC82	14JAN83		
12250	END02		INSTALL INDUCTOSYNS	01.0	.0	14JAN83	21JAN83	14JAN83	21JAN83		

NATIONAL RADIO ASTRONOMY OBSERVATORY
ACTIVITY BAR CHART

PROGRAM 30JUN82 REPORT DATE. 12M TELESCOPE PROJECT.
PROJECT 12M ANTENNA UPGRADING PROJECT.

12M001
ANTU12

RUN DATE 30JUN82

PRED	SUCC	CY	DESCRIPTION	A - ACTIVITY COMPLETE	* - ACTIVITY DURATION	P - PACING ITEM	- - ACTIVITY FLOAT	FINAL	DEPT
EVENT	EVENT	CD						DATE	
ST01	1200C		CONCEPT DESIGN	.	.	.	.	08JUN81	
12000	12005		DESIGN JIG	.	.	.	.	15SEP81	
12000	12010		PANEL CONTRACT	.	.	.	.	17AUG81	JWF
12000	12012		DESIGN TEMPL	AAAAA	.	.	.	03NOV81	
12000	12016		SELECT CONCEPT	.	.	.	.	30JUN81	
12000	12030		ELECTRONICS DESIGN PH 1	.	.	.	.	17AUG81	JMP
12005	12005		PROCURE JIG	AAAAAAAAAAAAAAAAAAAAA	.	.	.	25FEB82	
12009	12080		TEST JIG & TEMPL	.	AAAAAAAAAAAAA	.	.	17MAY82	
12010	12050		MAKE PANELS	AAAAAAAAAAAAAAAAAAAAA	.	.	.	01FEB82	JWF
12012	12005		BUILD TEMPL	. AAAAAAAAAAAAAAAAAAA	.	.	.	01MAR82	
12016	12020		DESIGN BUS	.	.	.	.	22SEP81	WGH
12020	12060		BIG, CONTRACT BUS	AAAAAAAAAAAAA	.	.	.	16DEC81	WGH
12030	12032		DESIGN ELECTRONICS PH 2	AAAAAAAAAAAAAAAAAAAAA	.	.	.	02MAR82	JMP
12032	12034		DESIGN ELECTRONICS PH 3	.	AAAAAAAAAAAAAAAAAAAAA	.	.	30JUN82	JMP
12034	12160		BUILD ELECTRONICS	.	.	*****-----	.	14OCT82	JMP
12050	12060		TEST & SHIP PANELS	.	AAAAA	.	.	03MAR82	JWF
12060	12070		BUILD BUS	. AAAAAAAAAAAAAAAAAAA	.	.	.	13APR82	WGH
12070	12080		ASSEMBLY BLS	.	AAAAAA	.	.	17MAY82	WGH
12080	12085		MEASURE & TEST SURFACE	.	.	PPPPPPPP	.	22JUL82	JWF
12080	12095		CONTRACT CB MCD	.	.	AAAAA:	.	22JUN82	DAW
12085	12090		THERMAL TESTS	.	.	PP	.	26JUL82	JWF
12090	12100		CISASS, SHIP BUS/PANELS	.	.	PPPP	.	16AUG82	WGH
12095	12105	2	REMOVE CABLES	.	.	***-----	.	09AUG82	PJR
12095	12105	1	DC CB MODS	.	.	***-----	.	09AUG82	PJR
12100	12110		REASSEMBLE BUS	.	.	PP	.	30AUG82	WGH
12105	12160		CMPLT CB MCDS, RECABLE	.	.	****-----	.	14SEP82	PJR
12110	12130		REMOVE GLD, INSTALL NEW	.	.	PP	.	07SEP82	WGH
12130	12140		COMPLETE BLS	.	.	PP	.	14SEP82	WGH
12140	12150		TST THERMAL STAB CF BUS	.	.	PP	.	16SEP82	JWF
12140	12155		INSTALL NEW RX MCUNTS	.	.	PPP	.	30SEP82	DER
12150	12155		INSTALL PANELS	.	.	PP	.	30SEP82	WGH
12155	12160		ADJUST PANELS	.	.	PPPPPPP	.	11NOV82	JWF
12160	12170		INSTALL, TST ELECTRONICS	.	.	. PPPPP	.	10DEC82	JWF
12170	12175		TEST SYSTEM	.	.	. PPP	.	31DEC82	JMP
12199	12200		PRGC. INDUCTOSYNS PLATES	PPPPPPPPPPPPPPPPPPPPPP	.	.	.	30JUN82	
12199	12240		INDUCTOSYN ELECTRONICS	*****-----	.	.	.	28JUL82	
12200	12210		DESIGN INDUCTOSYNS	.	.	PPPPPP	.	11AUG82	
12210	12220		DES. TEL INTERFACE	.	.	*****-----	.	07OCT82	
12210	12230		PROCURE MAT.	.	.	PPPPP	.	09SEP82	
12220	12225		MFG. INTERFACE	.	.	*****-----	.	04NOV82	
12230	12240		MFG. INDUCTOSYNS	.	.	PPPPPPPPPPPPPP	.	24DEC82	
12240	12250		TEST INDUCTOSYNS	.	.	. PPP	.	14JAN83	
12250	END02		INSTALL INDUCTOSYNS	.	.	. PP	.	21JAN83	
				01JAN82	01APR82	01JUL82	01OCT82	01JAN83	01APR83

NATIONAL RADIO ASTRONOMY OBSERVATORY
ACTIVITY TIME STATUS REPORT

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PROGRAM 30JUN82 REPORT DATE. 12M TELESCOPE PROJECT.
PROJECT 12M ANTENNA UPGRADING PROJECT.

12M001
ANT012

RUN DATE 30JUN82

LEVEL DETAIL

SORTED BY EXP. DATE

PRED EVENT	SUCC EVENT	CY. CD.	ACTIVITY DESCRIPTION	TIME EST	SLACK PRIM. SEC.	EARLY START	DATES FINISH	LATE START	DATES FINISH	SCHED.	DEPT
12199	12200		PROC. INDUCTOSYNS PLATES	26.0	.0	A24DEC81	30JUN82	24DEC81	30JUN82		
12080	12065		MEASURE & TEST SURFACE	09.6	.0	A17MAY82	22JUL82	17MAY82	22JUL82		JWF
12195	12240		INDUCTOSYN ELECTRONICS	30.0	21.0	A24DEC81	28JUL82	26MAY82	24DEC82		
12200	12210		DESIGN INDUCTOSYNS	06.0	.0	30JUN82	11AUG82	30JUN82	11AUG82		
12034	12160		BUILD ELECTRONICS	15.0	4.1	A30JUN82	14OCT82	28JUL82	11NOV82		JMP