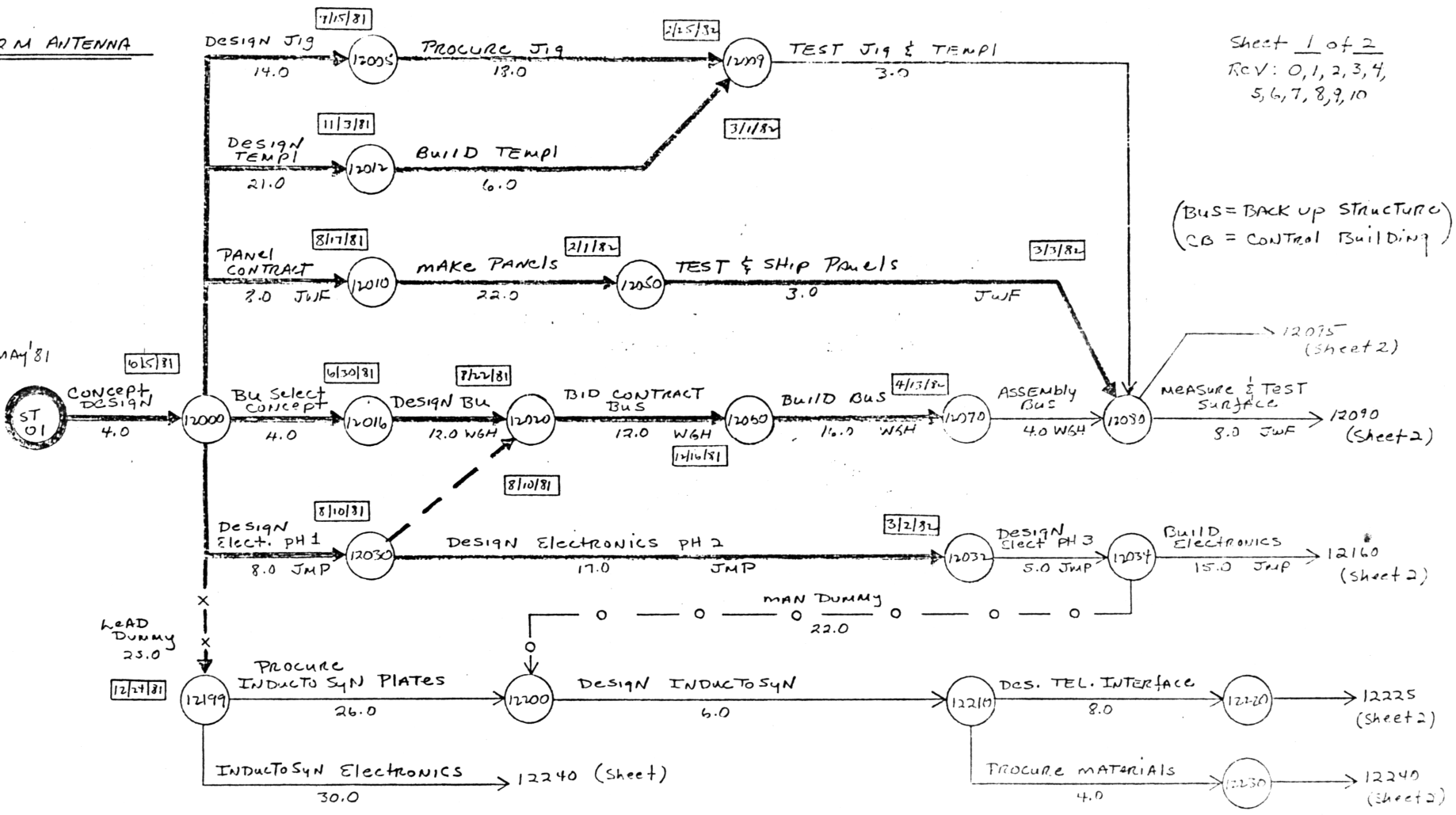


12 M ANTENNA

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

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

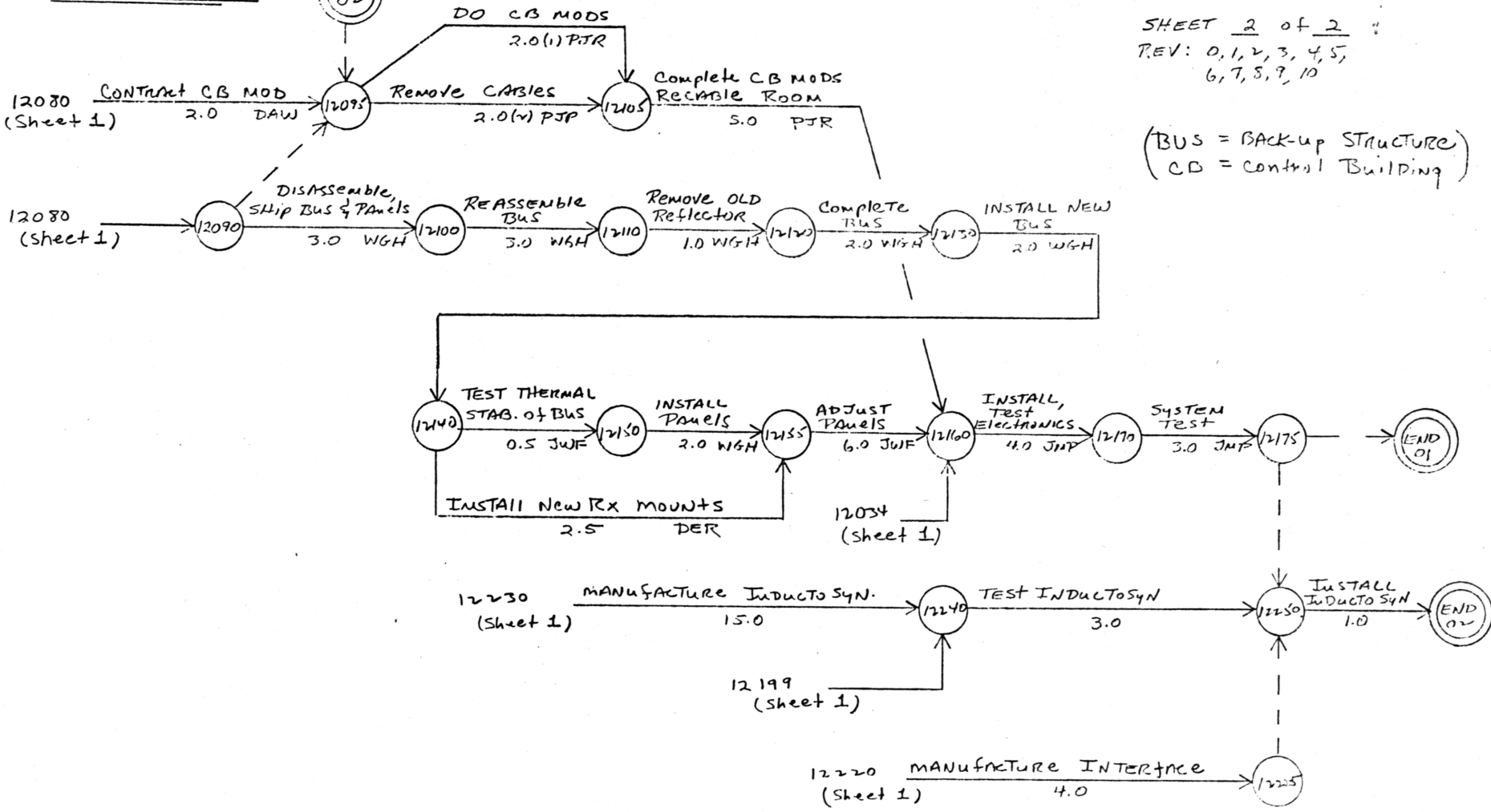
01 MAY 81



12 METER MILLIMETER WAVE TELESCOPE
 MEMO NO. 155

12M ANTENNA

15 Jul '82



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

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

NATIONAL RADIO ASTRONOMY OBSERVATORY
ACTIVITY TIME STATUS REPORT

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PROGRAM ████████ 03MAY82 REPORT DATE. 12M TELESCOPE PROJECT.
PROJECT 12M ANTENNA UPGRADING PROJECT.

12M001
ANT012

RUN DATE 0██████2

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
	ST01 S		BEGIN		.0	A01MAY81	A01MAY81	01MAY81	01MAY81		
	ST02 S				11.1	A15JUL82	A15JUL82	01OCT82	01OCT82		
	ST01 12000		CONCEPT DESIGN	04.0	.0	A01MAY81	A08JUN81	01MAY81	08JUN81		
	ST02 12095		DUMMY	0000	11.1	A15JUL82	15JUL82	01OCT82	01OCT82		
END01		E			.0	10JAN83	10JAN83	10JAN83	10JAN83		
END02		E			.0	21JAN83	21JAN83	21JAN83	21JAN83		
12000	12005		DESIGN JIG	14.0	7.6	A08JUN81	A15SEP81	08JUN81	06NOV81		
12000	12010		PANEL CONTRACT	06.0	9.8	A08JUN81	A17AUG81	08JUN81	26OCT81		JWF
12000	12012		DESIGN TEMPL	21.0	7.2	A08JUN81	A03NOV81	08JUN81	24DEC81		
12000	12016		SELECT CONCEPT	04.0	.0	A08JUN81	A30JUN81	08JUN81	30JUN81		
12000	12030		ELECTRONICS DESIGN PH 1	08.0	6.0	A08JUN81	A10AUG81	08JUN81	22SEP81		JMP
12000	12195		LEAD DUMMY	25.0	.0	A08JUN81	A24DEC81	09JUN81	24DEC81		XX
12005	12005		PRODUCE JIG	18.0	7.6	A15SEP81	A25FEB82	06NOV81	20APR82		
12009	12080		TEST JIG & TEMPL	05.0	7.2	A01MAR82	22MAR82	20APR82	11MAY82		
12010	12050		MAKE PANELS	22.0	9.8	A17AUG81	A01FEB82	26OCT81	13APR82		JWF
12012	12005		BUILD TEMPL	06.0	7.2	A03NOV81	A01MAR82	24DEC81	20APR82		
12016	12020		DESIGN BLS	12.0	.0	A30JUN81	A22SEP81	30JUN81	22SEP81		WGH
12020	12060		BIC, CONTRACT BLS	12.0	.0	A22SEP81	A16DEC81	22SEP81	16DEC81		WGH
12030	12020		DUMMY	0000	6.0	A10AUG81	A10AUG81	22SEP81	22SEP81		
12030	12032		DESIGN ELECTRONICS PH 2	17.0	12.2	A10AUG81	A02MAR82	22SEP81	26MAY82		JMP
12032	12034		DESIGN ELECTRONICS PH 3	05.0	12.2	A02MAR82	06APR82	26MAY82	30JUN82		JMP
12034	12160		BUILD ELECTRONICS	15.0	17.5	06APR82	20JUL82	05AUG82	19NOV82		JMP
12034	12200		MAN DUMMY	0000	12.2	06APR82	20APR82	30JUN82	30JUN82		XX
12050	12080		TEST & SHIP PANELS	03.0	9.8	A01FEB82	X03MAR82	13APR82	11MAY82		JWF
12060	12070		BUILD PLS	16.0	.0	A16DEC81	A13APR82	16DEC81	13APR82		WGH
12070	12080		ASSEMBLY BLS	04.0	.0	A13APR82	11MAY82	13APR82	11MAY82		WGH
12080	12090		MEASURE & TEST SURFACE	08.0	.0	11MAY82	06JUL82	11MAY82	06JUL82		JWF
12080	12095		CONTRACT CB MCD	02.0	18.5	11MAY82	25MAY82	17SEP82	01OCT82		DAW
12090	12095		DUMMY	0000	12.5	06JUL82	06JUL82	01OCT82	01OCT82		
12090	12100		DISASS, SHIP BUS/PANELS	03.0	.0	06JUL82	27JUL82	06JUL82	27JUL82		WGH
12095	12105 1		DO CB MCDS	02.0	11.1	15JUL82	29JUL82	01OCT82	15OCT82		PJR
12095	12105 2		REMOVE CABLES	02.0	11.1	15JUL82	29JUL82	01OCT82	15OCT82		PJR
12100	12110		REASSEMBLE BUS	03.0	.0	27JUL82	17AUG82	27JUL82	17AUG82		WGH
12105	12160		CMPLT CB MODS, RECABLE	05.0	11.1	29JUL82	02SEP82	15OCT82	19NOV82		PJR
12110	12120		REMOVE OLC REFLECTOR	01.0	.0	17AUG82	24AUG82	17AUG82	24AUG82		WGH
12120	12130		COMPLETE ELS	02.0	.0	24AUG82	08SEP82	24AUG82	08SEP82		WGH
12130	12140		INSTALL NEW BUS	02.0	.0	08SEP82	22SEP82	08SEP82	22SEP82		WGH
12140	12150		1ST THERMAL STAB OF BUS	00.5	.0	22SEP82	24SEP82	22SEP82	24SEP82		JWF
12140	12155		INSTALL NEW RX MCLATS	02.5	.0	22SEP82	08OCT82	22SEP82	08OCT82		DEP
12150	12155		INSTALL PANELS	02.0	.0	24SEP82	08OCT82	24SEP82	08OCT82		WGH
12155	12160		ADJUST PANELS	06.0	.0	08OCT82	19NOV82	08OCT82	19NOV82		JWF
12160	12170		INSTALL, 1ST ELECTRONICS	04.0	.0	19NOV82	20DEC82	19NOV82	20DEC82		JWF
12170	12175		TEST SYSTEM	03.0	.0	20DEC82	10JAN83	20DEC82	10JAN83		JMP
12175	END01		DUMMY	0000	.0	10JAN83	10JAN83	10JAN83	10JAN83		
12175	12250		DUMMY	0000	.7	10JAN83	10JAN83	14JAN83	14JAN83		
12199	12200		PROC. INDUCTOSYNS PLATES	26.0	.0	A24DEC81	30JUN82	24DEC81	30JUN82		

NATIONAL RADIO ASTRONOMY OBSERVATORY
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PROGRAM ████████ 03MAY82 REPORT DATE. 12M TELESCOPE PROJECT.
PROJECT ████████ 12M ANTENNA UPGRADING PROJECT.

12M001
ANT012

RUN DATE 03██████

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	DEPT SCHED.
12199	12240		INDUCTCSYN ELECTRONICS	30.0	21.0	A24DEC81	28JUL82	26MAY82	24DEC82	
12200	12210		DESIGN INDUCTCSYNS	06.0	.0	30JUN82	11AUG82	30JUN82	11AUG82	
12210	12220		DES. TEL INTERFACE	08.0	10.0	11AUG82	07OCT82	21OCT82	17DEC82	
12210	12230		PROCURE 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

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PROGRAM 03MAY82 REPORT DATE. 12M TELESCOPE PROJECT.
PROJECT 12M ANTENNA UPGRADING PROJECT.

12M001
ANT012

RUN DATE 03MAY82

PRED EVENT	SUCC EVENT	CY CD	DESCRIPTION	A - ACTIVITY COMPLETE * - ACTIVITY DURATION	P - PACING ITEM - - ACTIVITY FLCAT	.FINAL .DATE	DEPT
ST01	12000		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	.	.	10AUG81	JMP
12005	12005		PROCURE JIG	AAAAAAAAAAAAAAAAAAAAA	.	25FEB82	
12005	12080		TEST JIG & TEMPL	***-----	.	22MAR82	
12010	12050		MAKE PANELS	AAAAAAAAAAAAAAAAAAAAA	.	01FEB82	JWF
12012	12005		BUILD TEMPL	AAAAAAAAAAAAAAAAAAAAA	.	01MAR82	
12016	12020		DESIGN BUS	.	.	22SEP81	WGH
12020	12060		ETC, CONTRACT BLS	AAAAAAAAAAAAA	.	16DEC81	WGH
12030	12032		DESIGN ELECTRONICS PH 2	AAAAAAAAAAAAAAAAAAAAA	.	02MAR82	JMP
12032	12034		DESIGN ELECTRONICS PH 3	.	****-----	06APR82	JMP
12034	12160		BUILD ELECTRONICS	.	*****-----	20JUL82	JMP
12050	12080		TEST & SHIP PANELS	AAAAA	.	03MAR82	JWF
12060	12070		BUILD BUS	AAAAAAAAAAAAAAAAAAAAA	.	13APR82	WGH
12070	12080		ASSEMBLY BLS	.	PPPPP	11MAY82	WGH
12080	12090		MEASURE & TEST SURFACE	.	:PPPPPPP	06JUL82	JWF
12080	12095		CONTRACT CB MCD	.	:***-----	25MAY82	DAW
12090	12100		DISASS, SHIP BLS/PANELS	.	PPPP	27JUL82	WGH
12095	12105 2		REMOVE CABLES	.	***-----	29JUL82	PJR
12095	12105 1		DC CB MDS	.	***-----	29JUL82	PJR
12100	12110		REASSEMBLE BUS	.	PPPP	17AUG82	WGH
12105	12160		CMPLT CB MDS, RECABLE	.	*****-----	02SEP82	PJR
12110	12120		REMOVE GLC REFLECTOR	.	PP	24AUG82	WGH
12120	12130		COMPLETE BLS	.	PP	08SEP82	WGH
12130	12140		INSTALL NEW BUS	.	PPP	22SEP82	WGH
12140	12150		TST THERMAL STAB OF BUS	.	PP	24SEP82	JWF
12140	12155		INSTALL NEW RX MOUNTS	.	PPP	08OCT82	DER
12150	12155		INSTALL PANELS	.	PP	08OCT82	WGH
12155	12160		ADJUST PANELS	.	PPPPPPP	19NOV82	JWF
12160	12170		INSTALL, TST ELECTRONICS	.	PPPPP	20DEC82	JWF
12170	12175		TEST SYSTEM	.	PPPP	10JAN83	JMP
12199	12200		PRC. INDUCTOSYNS PLATES	PPPPPPPPPPPPPPPPPPPPPP	.	30JUN82	
12159	12240		INDUCTOSYN ELECTRONICS	*****-----	.	28JUL82	
12200	12210		DESIGN INDUCTOSYNS	.	PPPPPPP	11AUG82	
12210	12220		DES. TEL INTERFACE	.	*****-----	07OCT82	
12210	12230		PROCURE MAT.	.	PPPPP	09SEP82	
12220	12225		MFG. INTERFACE	.	*****-----	04NOV82	
12230	12240		MFG. INDUCTOSYNS	.	PPPPPPPPPPPPPPPP	24DEC82	
12240	12250		TEST INDUCTOSYNS	.	PP	14JAN83	
12250	END02		INSTALL INDUCTOSYNS	.	PP	21JAN83	

01JAN82 01APR82 01JUL82 01OCT82 01JAN83 01APR83

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PROGRAM 03MAY82 REPCPT DATE. 12M TELESCOPE PROJECT.
PROJECT 12M ANTENNA UPGRADING PROJECT.

12M001
ANT012

RUN DATE 03MAY82

LEVEL DETAIL

PRED SUCC		CY.	ACTIVITY	TIME	SLACK	EARLY	DATES	LATE	DATES	SCRPTD BY EXP.DATE		
EVENT	EVENT									CD.	DESCRIPTION	EST
12009	12080		TEST JIG & TEMPL	03.0	7.2	A01MAR82	22MAR82	20APR82	11MAY82			
12032	12034		DESIGN ELECTRONICS PH 3	05.0	12.2	A02MAR82	06APR82	26MAY82	30JUN82			JMP
12034	12200		MAN DUMMY	0000	12.2	06APR82	06APR82	30JUN82	30JUN82			XX
12070	12080		ASSEMBLY BUS	04.0	.0	A13APR82	11MAY82	13APR82	11MAY82			WGH
12080	12095		CONTRACT CE MCC	02.0	18.5	11MAY82	25MAY82	17SEP82	01OCT82			DAW
12199	12200		PRCC. INDUCTOSYNS PLATES	26.0	.0	A24DEC81	30JUN82	24DEC81	30JUN82			
12080	12090		MEASURE & TEST SURFACE	08.0	.0	11MAY82	06JUL82	11MAY82	06JUL82			JWF
12034	12160		EUILC ELECTRONICS	15.0	17.5	06APR82	20JUL82	05AUG82	15NOV82			JMP
12199	12240		INDUCTOSYN ELECTRONICS	30.0	21.0	A24DEC81	28JUL82	26MAY82	24DEC82			
12200	12210		DESIGN INDUCTOSYNS	06.0	.0	30JUN82	11AUG82	30JUN82	11AUG82			