

12 M ANTENNA

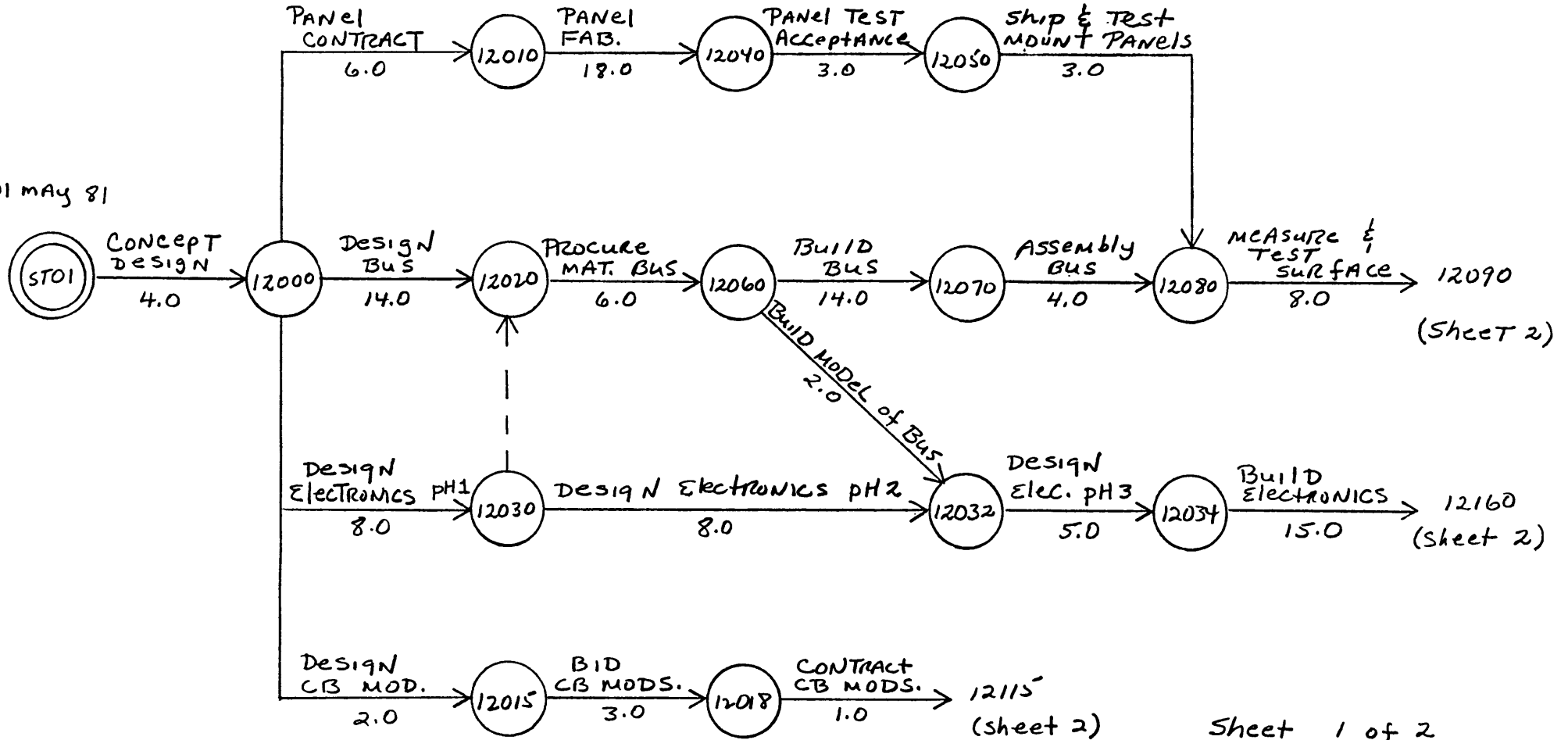
12 METER MILLIMETER WAVE TELESCOPE

MEMO No. 34

BUS = BACK-UP STRUCTURE  
CB = CONTROL BUILDING

4/22/81

01 MAY 81



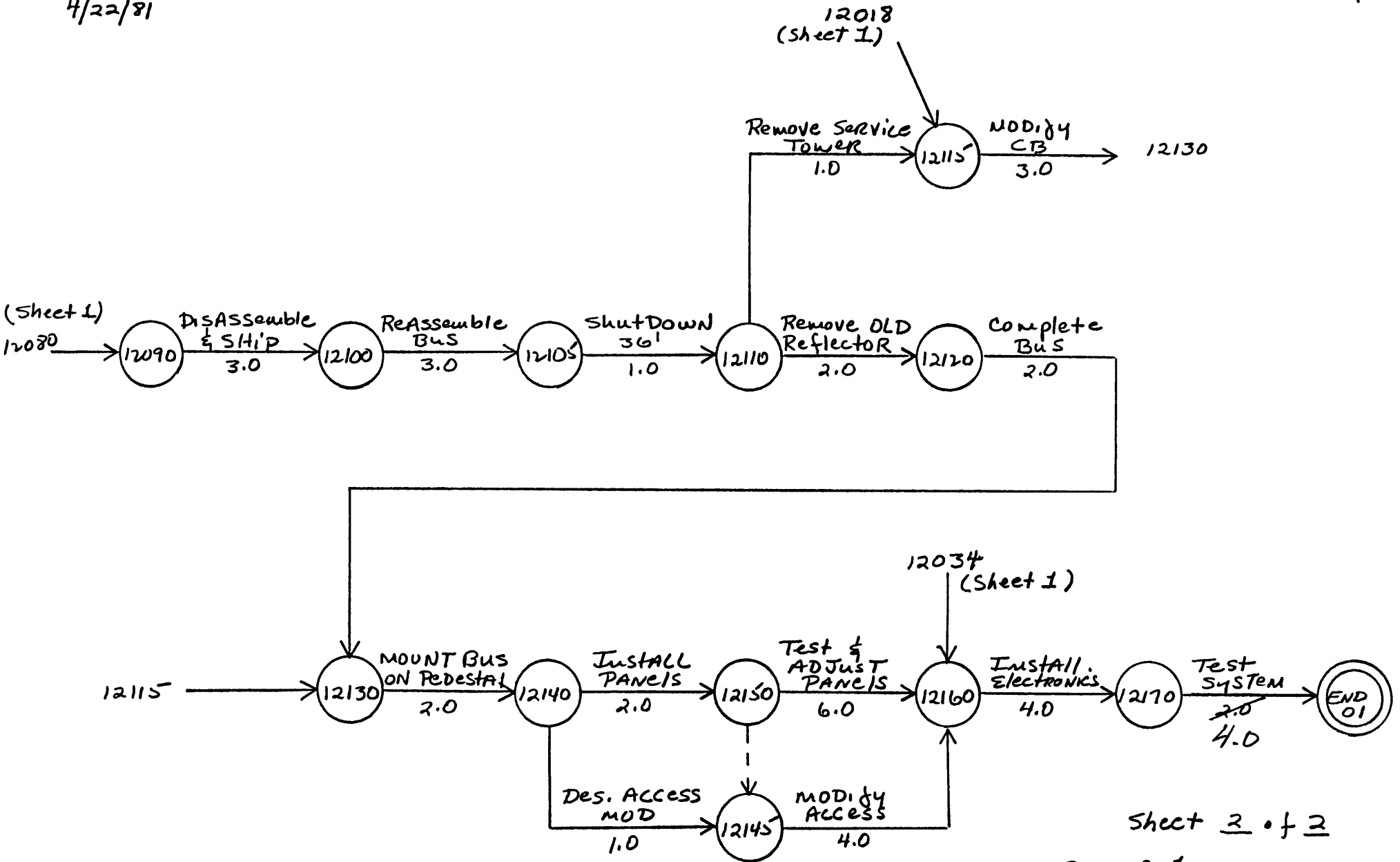
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REV: 0, 1

12M ANTENNA

4/22/81

BUS = BACK-up Structure  
CB = Control Building



NATIONAL RADIO ASTRONOMY OBSERVATORY  
ACTIVITY TIME STATUS REPORT

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PROGRAM 20MAY81 REPRRT DATE. 12M TELESCOPE PROJECT.  
PROJECT 12M ANTENNA UPGRADING PROJECT.

12M001  
ANT012

RUN DATE 20MAY81

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
			BEGIN		.0	A01MAY81	A01MAY81	01MAY81	01MAY81		
	ST01 S		CONCEPT DESIGN	04.0	.0	A01MAY81	29MAY81	01MAY81	29MAY81		
END01	E				.0	02NOV82	02NOV82	02NOV82	02NOV82		
12000	12010		PANEL CONTRACT	06.0	8.0	29MAY81	10JUL81	24JUL81	04SEP81		
12000	12015		DESIGN CB MOD.	02.0	48.0	29MAY81	12JUN81	10MAY82	24MAY82		
12000	12020		DESIGN BUS	14.0	.0	29MAY81	04SEP81	29MAY81	04SEP81		
12000	12030		ELECTRONICS DESIGN PH 1	08.0	6.0	29MAY81	24JUL81	10JUL81	04SEP81		
12010	12040		PANEL FAB	18.0	8.0	10JUL81	16NOV81	04SEP81	14JAN82		
12015	12018		BID CB MODS.	03.0	48.0	12JUN81	03JUL81	24MAY82	14JUN82		
12018	12115		CONTRACT CB MODS.	01.0	48.0	03JUL81	10JUL81	14JUN82	21JUN82		
12020	12060		PRCCURE MAT. BUS	06.0	.0	04SEP81	19OCT81	04SEP81	19OCT81		
12030	12020		DUMMY	0000	6.0	24JUL81	24JUL81	04SEP81	04SEP81		
12030	12032		DESIGN ELECTRONICS PH 2	08.0	31.0	24JUL81	21SEP81	08MAR82	03MAY82		
12032	12034		DESIGN ELECTRONICS PH 3	05.0	25.0	02NOV81	08DEC81	03MAY82	07JUN82		
12034	12160		BUILC ELECTRONICS	15.0	25.0	08DEC81	29MAR82	07JUN82	21SEP82		
12040	12050		PANEL TEST ACCEPTANCE	03.0	8.0	16NOV81	08DEC81	14JAN82	04FEB82		
12050	12080		SHIP & TEST MCUNT PANELS	03.0	8.0	08DEC81	30DEC81	04FEB82	01MAR82		
12060	12032		BUILD MODEL OF BUS	02.0	25.0	19OCT81	02NOV81	19APR82	03MAY82		
12060	12070		BUILD BUS	14.0	.0	19OCT81	28JAN82	19OCT81	28JAN82		
12070	12080		ASSEMBLY BUS	04.0	.0	28JAN82	01MAR82	28JAN82	01MAR82		
12080	12090		MEASURE & TEST SURFACE	08.0	.0	01MAR82	26APR82	01MAR82	26APR82		
12090	12100		DISASSEMBLE & SHIP	03.0	.0	26APR82	17MAY82	26APR82	17MAY82		
12100	12105		REASSEMBLE BUS	03.0	.0	17MAY82	07JUN82	17MAY82	07JUN82		
12105	12110		SHUT DOWN 36FT	01.0	.0	07JUN82	14JUN82	07JUN82	14JUN82		
12110	12115		REMOVE SERVICE TOWER	01.0	.0	14JUN82	21JUN82	14JUN82	21JUN82		
12110	12120		REMOVE OLD REFLECTOR	02.0	.0	14JUN82	28JUN82	14JUN82	28JUN82		
12115	12130		MODIFY CB	03.0	.0	21JUN82	12JUL82	21JUN82	12JUL82		
12120	12130		COMPLETE BUS	02.0	.0	28JUN82	12JUL82	28JUN82	12JUL82		
12130	12140		MOUNT BUS ON PEDESTAL	02.0	.0	12JUL82	26JUL82	12JUL82	26JUL82		
12140	12145		DESIGN ACCESS MOD.	01.0	3.0	26JUL82	02AUG82	16AUG82	23AUG82		
12140	12150		INSTALL PANELS	02.0	.0	26JUL82	09AUG82	26JUL82	09AUG82		
12145	12160		MODIFY ACCESS	04.0	2.0	09AUG82	07SEP82	23AUG82	21SEP82		
12150	12145		DUMMY	0000	2.0	09AUG82	09AUG82	23AUG82	23AUG82		
12150	12160		TEST & ADJUST PANELS	06.0	.0	09AUG82	21SEP82	09AUG82	21SEP82		
12160	12170		INSTALL ELECTRONICS	04.0	.0	21SEP82	19OCT82	21SEP82	19OCT82		
12170	END01		TEST SYSTEM	02.0	.0	19OCT82	02NOV82	19OCT82	02NOV82		

NATIONAL RADIO ASTRONOMY OBSERVATORY  
ACTIVITY BAR CHART

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PROGRAM 20MAY81 REPORT DATE. 12M TELESCCPE PROJECT.  
PROJECT 12M ANTENNA LPGRADING PROJECT.

12M001  
ANT012

RUN DATE 20MAY81

PRED EVENT	SUCC EVENT	CY CD	DESCRIPTION	A - ACTIVITY COMPLETE * - ACTIVITY DURATION	P - PACING ITEM - - ACTIVITY FLOAT	FINAL .DATE	DEPT		
ST01	12000		CONCEPT DESIGN	PP		29MAY81			
12000	12010		PANEL CONTRACT	****		10JUL81			
12000	12015		DESIGN CB MCD.	-----		12JUN81			
12000	12020		DESIGN BUS	PPPPPPPP		04SEP81			
12000	12030		ELECTRONICS DESIGN PH 1	****		24JUL81			
12010	12040		PANEL FAB	: *****		16NOV81			
12015	12018		BIC CB MODS.	: ***		03JUL81			
12018	12115		CONTRACT CB MODS.	: *-----		10JUL81			
12020	12060		PRCCURE MAT. BUS	: : PPPP		19CCT81			
12030	12032		DESIGN ELECTRONICS PH 2	: : *****		21SEP81			
12032	12034		DESIGN ELECTRONICS PH 3	: : **-----		08DEC81			
12034	12160		BUILD ELECTRONICS	: : *****		29MAR82			
12040	12050		PANEL TEST ACCEPTANCE	: : **-----		08DEC81			
12050	12080		SHIP & TEST MCUNT PANELS	: : **-----		30DEC81			
12060	12032		BUILD MODEL OF BUS	: : **-----		02NOV81			
12060	12070		BUILD BUS	: : PPPPPPP		28JAN82			
12070	12080		ASSEMBLY BUS	: : PPPP		01MAR82			
12080	12090		MEASURE & TEST SURFACE	: : .PPP		26APR82			
12090	12100		DISASSEMBLE & SHIP	: : .PPP		17MAY82			
12100	12105		REASSEMBLE BUS	: : .PP		07JUN82			
12105	12110		SHUT DOWN 36FT	: : .P		14JUN82			
12110	12115		REMCVE SERVICE TOWER	: : .PP		21JUN82			
12110	12120		REMCVE GLD REFLECTOR	: : .PP		28JUN82			
12115	12130		MODIFY CB	: : .PP		12JUL82			
12120	12130		COMPLETE BUS	: : .PP		12JUL82			
12130	12140		MOUNT BUS ON PEDESTAL	: : .PP		26JUL82			
12140	12145		DESIGN ACCESS MCD.	: : **--		02AUG82			
12140	12150		INSTALL PANELS	: : .PP		09AUG82			
12145	12160		MODIFY ACCESS	: : ***-		07SEP82			
12150	12160		TEST & ADJUST PANELS	: : PPPP		21SEP82			
12160	12170		INSTALL ELECTRONICS	: : .PPP		19CCT82			
12170	END01		TEST SYSTEM	: : .PP		02NOV82			
				01OCT81	01APR82	01OCT82	01APR83	01OCT83	01APR84