

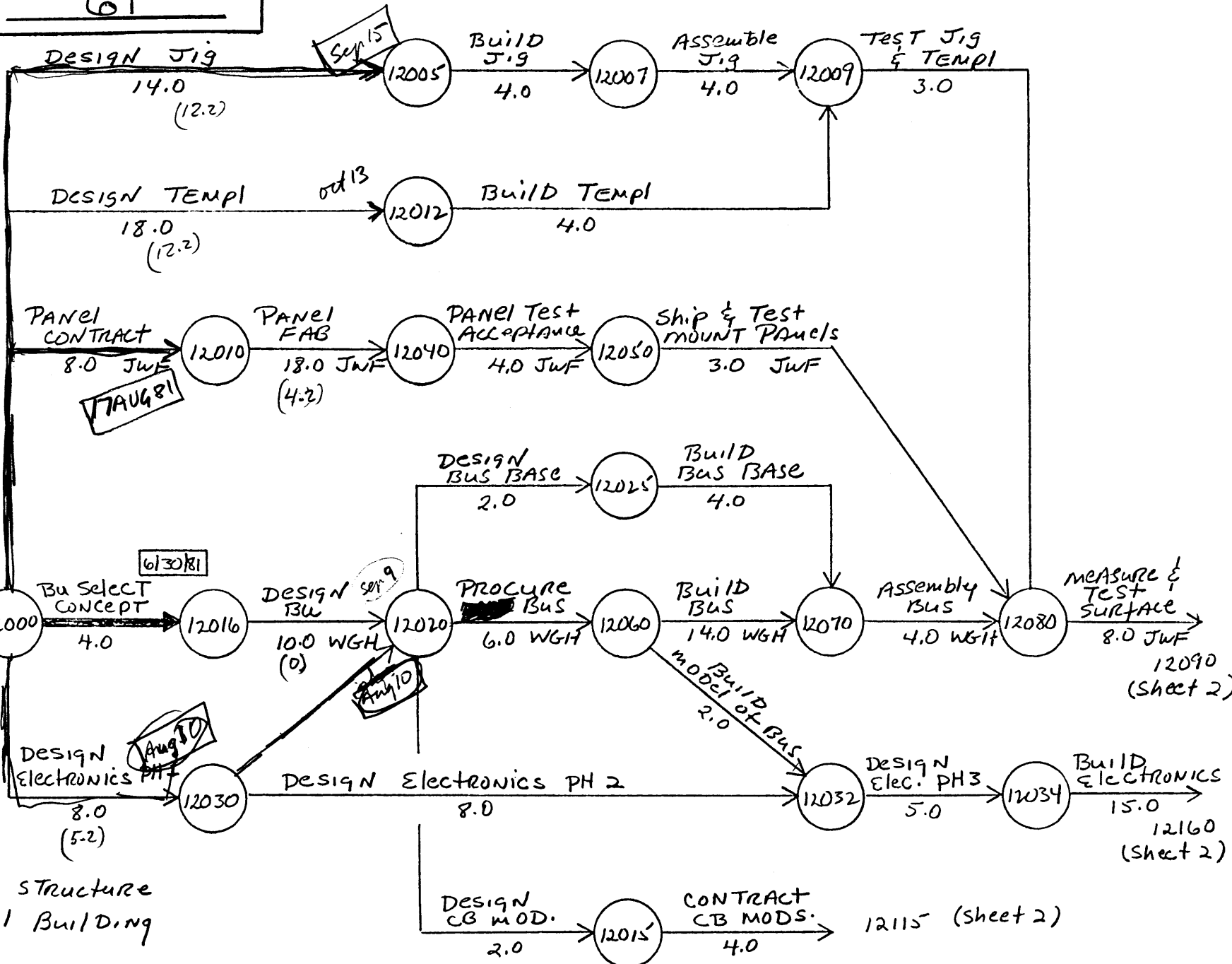
12 METER MILLIMETER WAVE TELESCOPE

MEM No. 61

12M ANTENNA

7/28/81

31 MAY 81

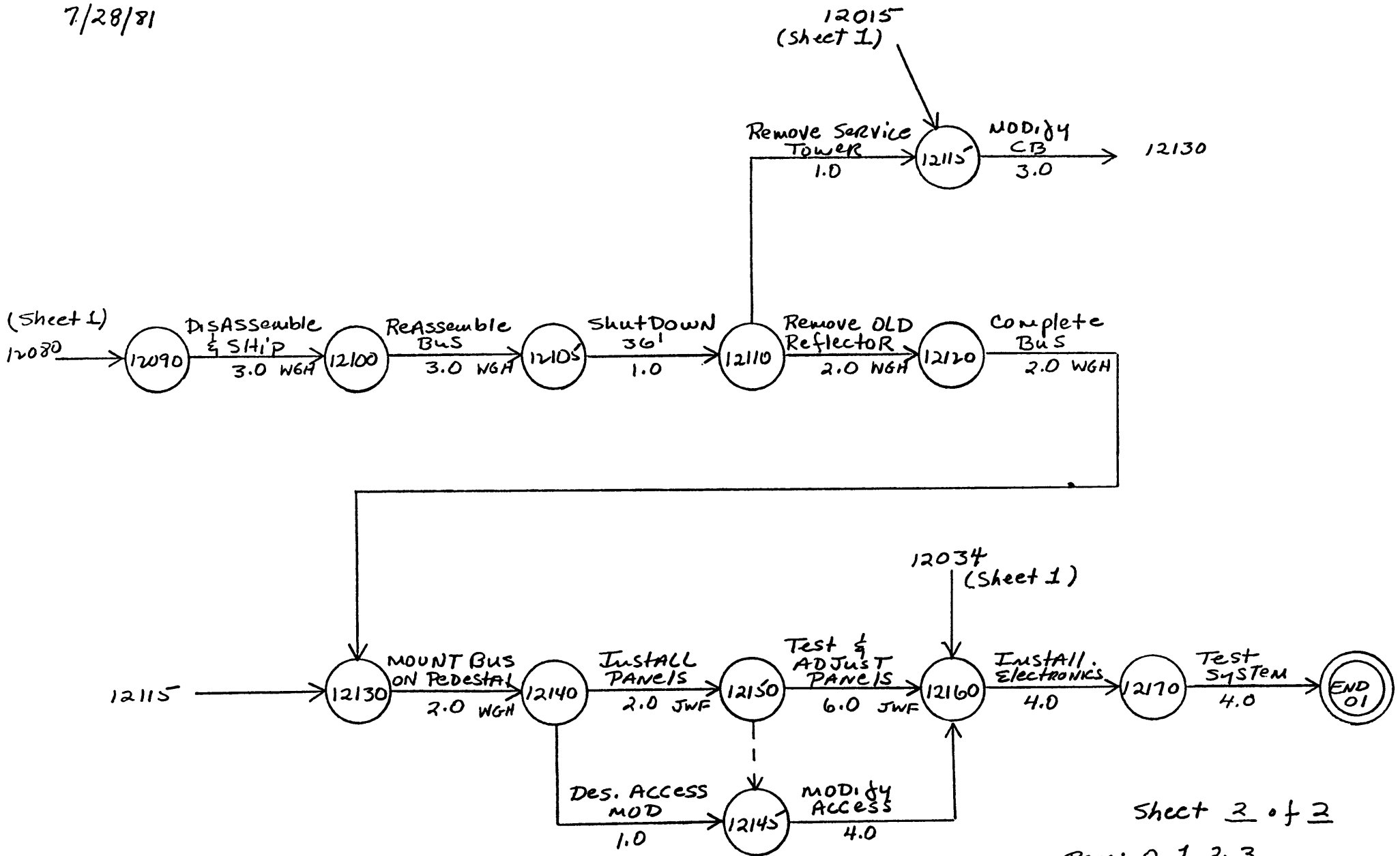


{ Bus = BACK-up Structure
 { CB = CONTROL Building

12M ANTENNA

7/28/81

BUS = BACK-up STRUCTURE
CB = Control Building



Sheet 2 of 2

Rev: 0, 1, 2, 3

NATIONAL RADIO ASTRONOMY OBSERVATORY
ACTIVITY TIME STATUS REPORT

PROGRAM 28JUL81 REPORT DATE. 12M TELESCOPE PROJECT.
PROJECT 12M ANTENNA UPGRADING PROJECT.

12M001
ANT012

RUN DATE 2001

LEVEL DETAIL

SORTED BY PRED,SUCC

PRED EVENT	SUCC EVENT	CY. CO.	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		
	ST01 12000		CONCEPT DESIGN	04.0	.0	A01MAY81	A08JUN81	01MAY81	08JUN81		
	END01	E			.0	18NOV82	18NOV82	18NOV82	18NOV82		
12000	12005		DESIGN JIG	14.0	12.2	A08JUN81	15SEP81	01SEP81	10DEC81		
12000	12010		PANEL CONTRACT	08.0	4.2	A08JUN81	03AUG81	07JUL81	01SEP81		JWF
12000	12012		DESIGN TEMPL	18.0	12.2	A08JUN81	13OCT81	01SEP81	11JAN82		
12000	12016		SELECT CONCEPT	04.0	.0	A08JUN81	A30JUN81	08JUN81	30JUN81		
12000	12030		ELECTRONICS DESIGN PH 1	08.0	5.2	A08JUN81	03AUG81	14JUL81	09SEP81		
12005	12007		BUILD JIG	04.0	12.2	15SEP81	13OCT81	10DEC81	11JAN82		
12007	12009		ASSEMBLE JIG	04.0	12.2	13OCT81	10NOV81	11JAN82	08FEB92		
12009	12080		TEST JIG & TEMPL	03.0	12.2	10NOV81	02DEC81	08FEB82	03MAR82		
12010	12040		PANEL FAB	18.0	4.2	03AUG81	09DEC81	01SEP81	11JAN82		JWF
12012	12009		BUILD TEMPL	04.0	12.2	13OCT81	10NOV81	11JAN82	08FEB82		
12015	12115		CONTRACT CB MODS.	04.0	34.0	23SEP81	21OCT81	26MAY82	23JUN82		
12016	12020		DESIGN BUS	10.0	.0	A30JUN81	09SEP81	30JUN81	09SEP81		WGH
12020	12015		DESIGN CB MOD.	02.0	34.0	09SEP81	23SEP81	12MAY82	26MAY82		
12020	12025		DESIGN BUS BASE	02.0	14.0	09SEP81	23SEP81	17DEC81	04JAN82		
12020	12060		PROCURE MAT. BUS	06.0	.0	09SEP81	21OCT81	09SEP81	21OCT81		WGH
12025	12070		BUILD BUS BASE	04.0	14.0	23SEP81	21OCT81	04JAN82	01FEB82		
12030	12020		DUMMY	0000	5.2	03AUG81	03AUG81	09SEP81	09SEP81		
12030	12032		DESIGN ELECTRONICS PH 2	08.0	30.2	03AUG81	29SEP81	10MAR82	05MAY82		
12032	12034		DESIGN ELECTRONICS PH 3	05.0	25.0	04NOV81	10DEC81	05MAY82	09JUN82		
12034	12160		BUILD ELECTRONICS	15.0	25.0	10DEC81	31MAR82	09JUN82	23SEP82		
12040	12050		PANEL TEST ACCEPTANCE	04.0	4.2	09DEC81	08JAN82	11JAN82	08FEB82		JWF
12050	12080		SHIP & TEST MOUNT PANELS	03.0	4.2	08JAN82	29JAN82	08FEB82	03MAR82		JWF
12060	12032		BUILD MODEL OF BUS	02.0	25.0	21OCT81	04NOV81	21APR82	05MAY82		
12060	12070		BUILD BUS	14.0	.0	21OCT81	01FEB82	21OCT81	01FEB82		WGH
12070	12080		ASSEMBLY BUS	04.0	.0	01FEB82	03MAR82	01FEB82	03MAR82		WGH
12080	12090		MEASURE & TEST SURFACE	08.0	.0	03MAR82	28APR82	03MAR82	28APR82		JWF
12090	12100		DISASSEMBLE & SHIP	03.0	.0	28APR82	19MAY82	28APR82	19MAY82		WGH
12100	12105		REASSEMBLE BUS	03.0	.0	19MAY82	09JUN82	19MAY82	09JUN82		WGH
12105	12110		SHUT DOWN 36FT	01.0	.0	09JUN82	16JUN82	09JUN82	16JUN82		
12110	12115		REMOVE SERVICE TOWER	01.0	.0	16JUN82	23JUN82	16JUN82	23JUN82		
12110	12120		REMOVE OLD REFLECTOR	02.0	.0	16JUN82	30JUN82	16JUN82	30JUN82		WGH
12115	12130		MODIFY CB	03.0	.0	23JUN82	14JUL82	23JUN82	14JUL82		
12120	12130		COMPLETE BUS	02.0	.0	30JUN82	14JUL82	30JUN82	14JUL82		WGH
12130	12140		MOUNT BUS ON PEDESTAL	02.0	.0	14JUL82	28JUL82	14JUL82	28JUL82		WGH
12140	12145		DESIGN ACCESS MOD.	01.0	3.0	28JUL82	04AUG82	16AUG82	25AUG82		
12140	12150		INSTALL PANELS	02.0	.0	28JUL82	11AUG82	29JUL82	11AUG82		JWF
12145	12160		MODIFY ACCESS	04.0	2.0	11AUG82	09SEP82	25AUG82	23SEP82		
12150	12145		DUMMY	0000	2.0	11AUG82	11AUG82	25AUG82	25AUG82		
12150	12160		TEST & ADJUST PANELS	06.0	.0	11AUG82	23SEP82	11AUG82	23SEP82		JWF
12160	12170		INSTALL ELECTRONICS	04.0	.0	23SEP82	21OCT82	23SEP82	21OCT82		
12170	END01		TEST SYSTEM	04.0	.0	21OCT82	18NOV82	21OCT82	18NOV82		

ACTIVITY BAR CHART

PROGRAM 28JUL81 REPORT DATE. 12M TELESCOPE PROJECT.
PROJECT 12M ANTENNA UPGRADING PROJECT.

12M001
ANT012

RUN DATE JUL81

PRED EVENT	SUCC EVENT	CY CD	DESCRIPTION	A - ACTIVITY COMPLETE * - ACTIVITY DURATION	P - PACING ITEM - - ACTIVITY FLOAT	FINAL DATE	DEPT		
ST01	12000		CONCEPT DESIGN	AAA .:		08JUN81			
12000	12005		DESIGN JIG	*****-----		15SEP81			
12000	12010		PANEL CONTRACT	*****--		03AUG81	JWF		
12000	12012		DESIGN TEMPL	*****-----		13OCT81			
12000	12016		SELECT CONCEPT	AA.:		30JUN81			
12000	12030		ELECTRONICS DESIGN PH 1	*****--		03AUG81			
12005	12007		BUILD JIG	.: ***-----		13OCT81			
12007	12009		ASSEMBLE JIG	.: ***-----		10NOV81			
12009	12080		TEST JIG & TEMPL	.: ***-----		02DEC81			
12010	12040		PANEL FAB	.:*****--		09DEC81	JWF		
12012	12009		BUILD TEMPL	.: ***-----		10NOV81			
12015	12115		CONTRACT CB MODS.	.: ***-----		21OCT81			
12016	12020		DESIGN BUS	PPPPPP		09SEP81	WGH		
12020	12015		DESIGN CB MOD.	.: ***-----		23SEP81			
12020	12025		DESIGN BUS BASE	.: ***-----		23SEP81			
12020	12060		PRCCURE MAT. BUS	.: PPPP		21OCT81	WGH		
12025	12070		BUILD BUS BASE	.: ***-----		21OCT81			
12030	12032		DESIGN ELECTRONICS PH 2	.:*****--		29SEP81			
12032	12034		DESIGN ELECTRONICS PH 3	.: ***-----		10DEC81			
12034	12160		BUILD ELECTRONICS	.:*****-----		31MAR82			
12040	12050		PANEL TEST ACCEPTANCE	.:***--		08JAN82	JWF		
12050	12080		SHIP & TEST MOUNT PANELS	.:**---		29JAN82	JWF		
12060	12032		BUILD MODEL OF BUS	.:**-----		04NOV81			
12060	12070		BUILD BUS	.:PPPPPPP		01FEB82	WGH		
12070	12080		ASSEMBLY BUS	.: PPP		03MAR82	WGH		
12080	12090		MEASURE & TEST SURFACE	.: PPPP		29APR82	JWF		
12090	12100		DISASSEMBLE & SHIP	.: PPP		19MAY82	WGH		
12100	12105		REASSEMBLE BUS	.: PP		09JUN82	WGH		
12105	12110		SHUT DOWN 36FT	.: PP		16JUN82			
12110	12115		REMOVE SERVICE TOWER	.: P.		23JUN82			
12110	12120		REMCVE OLD REFLECTOR	.: P.		30JUN82	WGH		
12115	12130		MODIFY CB	.: PP		14JUL82			
12120	12130		COMPLETE BUS	.: PP		14JUL82	WGH		
12130	12140		MOUNT BUS ON PEDESTAL	.: PP		28JUL82	WGH		
12140	12145		DESIGN ACCESS MOD.	.:***-		04AUG82			
12140	12150		INSTALL PANELS	.:PP		11AUG82	JWF		
12145	12160		MODIFY ACCESS	.:***-		09SEP82			
12150	12160		TEST & ADJUST PANELS	.:PPPP		23SEP82	JWF		
12160	12170		INSTALL ELECTRONICS	.: PPP		21OCT82			
12170	END01		TEST SYSTEM	.: PPP		18NOV82			
				01JUL81	01JAN82	01JUL82	01JAN83	01JUL83	01JAN84