

National Radio Astronomy Observatory

36 Foot Telescope Improvements
August 1981

12 METER MILLIMETER WAVE TELESCOPE

MEMO No. 74

	<u>Allocation</u>	<u>August Expended</u>	<u>Commitments</u>	<u>Expended & Committed</u>	<u>Balance</u>
<u>Backup Structure</u>					
2.911.1 Design and Drafting	10,000	2,251		2,251 8,750	7,749 1,250
2.911.2 Material	29,000				29,000
2.911.3 Fabrication	68,000				68,000
2.911.4 Shipping to Green Bank	2,000				2,000
Sub-Total	109,000	2,251		2,251	106,749 100,250
<u>Green Bank Assembly</u>					
2.912.1 Reflector Support	4,000				4,000
2.912.2 Panel Mounting Hardware	3,000				3,000
2.912.3 Miscellaneous	2,000				2,000
2.912.4 Shipping to Tucson	5,000				5,000
Sub-Total	14,000				14,000
<u>Surface Panels</u>					
2.913.1 Panel Material and Fabrication	168,000		165,823	165,823	2,177
2.913.2 Reference Jig	10,000				10,000
2.913.3 Measuring Template	7,000				7,000
2.913.4 Data System	7,000				7,000
2.913.5 Miscellaneous	5,000				5,000
2.913.6 Shipping	5,000				5,000
Sub-Total	202,000		165,823	165,823	36,177
<u>Site Installation</u>					
2.914.1 B.U.S. Assembly	25,000				25,000
2.914.2 Equipment Rental	30,000				30,000
2.914.3 Remove & Modify Existing Structure	19,000				19,000
2.914.4 Install New Reflector	18,000				18,000
2.914.5 Install Panels	7,000				7,000
2.914.6 Adjust Panels	3,000				3,000
2.914.7 Recabling, Repainting, etc.	8,000				8,000
Sub-Total	110,000				110,000
<u>Contingency</u>					
Miscellaneous	15,000				15,000
Sub-Total	15,000				15,000
Total Budgeted	450,000	2,251	165,823	168,074	281,926 275,427

+1650 increase