

National Radio Astronomy Observatory

12141/13141  
12 Meter Resurfacing Project  
February 28, 1983

<u>Description</u>	<u>Project Allocation</u>	<u>Prior Years Capital</u>	<u>Expended &amp; Committed This Month</u>	<u>Total Expended &amp; Committed</u>	<u>Free Balance</u>
<u>Backup Structure</u>					
2.911.1 Design & Drafting	9,819*	9,819			-0-
2.911.2 Material & Fabrication	73,960*	73,960			-0-
2.911.3 Miscellaneous	2,000			875	1,125
Sub-Total	85,779	83,779		875	1,125
<u>Green Bank Assembly</u>					
2.912.1 Reflector Support	5,457*	5,457			-0-
2.912.2 Panel Mounting Hardware	1,003*	1,003			-0-
2.912.3 Miscellaneous	2,837*	2,837			-0-
2.912.4 Shipping to Tucson	13,104*	13,104			-0-
Sub-Total	22,401	22,401			-0-
<u>Surface Panels</u>					
2.913.1 Panel Material & Fabrication	165,824*	165,824			-0-
2.913.2 Reference Jig	12,000			10,552	1,448
2.913.3 Measuring Template	10,000			6,980	3,020
2.913.4 Data System	9,000	2,924		2,981	3,095
2.913.5 Miscellaneous	3,000			2,669	331
2.913.6 Shipping	8,388*	8,388			-0-
Sub-Total	208,212	177,136		23,182	7,894
<u>Site Installation</u>					
2.914.1 B.U.S. Assembly	6,075*	5,893		182	-0-
2.914.2 Equipment Rental	4,459*	4,459			-0-
2.914.3 Remove & Modify Exist. St.	22,625*	22,625			-0-
2.914.4 Install New Reflector	4,099*	3,034		1,065	-0-
2.914.5 Install Panels	12,826*	12,057		846	(77)
2.914.6 Adjust Panels	3,000		943	4,483	(1,483)
2.914.7 Recabling, Repainting, etc.	8,000			7,939	61
2.914.8 Holographic Measure	25,000		3,517	30,195	(5,195)
2.914.9 Miscellaneous	10,000		183	6,616	3,384
2.915.0 Sunscreen	10,000				10,000
Sub-Total	106,084	48,068	4,643	51,326	6,690

12 METER MILLIMETER WAVE TELESCOPE  
MEMO No. 221

<u>Description</u>	<u>Project Allocation</u>	<u>Capital</u>	<u>Expended &amp; Committed This Month</u>	<u>Total Expended &amp; Committed</u>	<u>Free Balance</u>
Contingency	77,524				77,524
Total Project Budget	<u>500,000</u>	<u>331,384</u>	<u>4,643</u>	<u>75,383</u>	<u>93,233</u>
Less:					
Transferred to Capital 1981	2,650	(2,605)			
Transferred to Capital 1982	328,734	(328,734)			
Total	<u>168,616</u>	<u>-0-</u>	<u>4,643</u>	<u>75,383</u>	<u>93,233</u>
Original Cost Estimate	450,000				
Contingency	27,524				

\* Project Completed

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 12 Meter Resurfacing Project  
 Commitments and Expenditures  
 February 28, 1983

<u>Date</u>	<u>Vendor</u>	<u>Project Number</u>	<u>Amount</u>	<u>Ref. No.</u>
2/28/83	NRAO Tucson Petty Cash	2.914.6	47.70	33245
2/28/83	Simutek Computer	2.914.6	500.31	33169
2/28/83	Hewlett Packard	2.914.6	395.00	T3476
2/28/83	Stores - Alum	2.914.8	8.45	60
2/28/83	Stores - Rod	2.914.8	2.73	37
2/28/83	C. K. Wall		75.66	G9292
2/28/83	Alpha Industries, Inc.	2.914.8	3,520.00	G9328
2/28/83	Cordem	2.914.9	183.02	
2/28/83	J. N. Fauver	2.914.8	(89.64)	Inc. P.O. Jan.
			<u>4,643.23</u>	

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Travel

2.911.4	Miscellaneous	875
2.914.6	Adjust Panels	<u>3,415</u>
Total		<u><u>4,290</u></u>