

National Radio Astronomy Observatory

12141/13141
12 Meter Resurfacing Project
As of November 30, 1982

Page 1

<u>Description</u>	<u>Project Allocation</u>	<u>Committed & Expended This Month</u>	<u>Total Expended & Committed</u>	<u>Free Balance</u>
<u>Backup Structure</u>				
2.911.1 Design & Drafting	10,776		9,819	957
2.911.2 Material & Fabrication	74,000		73,960	40
2.911.3 Miscellaneous	4,000		875	3,125
Sub-Total	88,776		84,654	4,122
<u>Green Bank Assembly</u>				
2.912.1 Reflector Support	5,515		5,457	58
2.912.2 Panel Mounting Hardware	1,000		1,003	(3)
2.912.3 Miscellaneous	2,047		2,837	(790)
2.912.4 Shipping to Tucson	16,000		13,104	2,896
Sub-Total	24,562		22,401	2,161
<u>Surface Panels</u>				
2.913.1 Panel Material & Fabrication	166,000		165,824	176
2.913.2 Reference Jig	9,995		10,552	(557)
2.913.3 Measuring Template	9,985		6,969	3,016
2.913.4 Data System	5,080		2,075	3,005
2.913.5 Miscellaneous	2,947	18	2,342	605
2.913.6 Shipping	10,000		8,388	1,612
Sub-Total	204,007	18	196,150	7,857
<u>Site Installation</u>				
2.914.1 B.U.S. Assembly	6,000		6,075	(75)
2.914.2 Equipment Rental	23,000		4,459	18,541
2.914.3 Remove & Modify Existing Stru.	25,000		22,625	2,375
2.914.4 Install New Reflector	10,000	116	3,034	6,966
2.914.5 Install Panels	8,000	1,915	11,757	(3,757)
2.914.6 Adjust Panels	3,000	976	2,741	259
2.914.7 Recabling, Repainting, etc.	8,000	(146)	7,346	654
2.914.8 Holographic Measure	25,000	446	18,861	6,139
2.914.9 Miscellaneous	10,000	131	387	9,613
Sub-Total	118,000	3,438	77,285	40,715
Contingency	64,655			64,655
Total Project Budget	500,000	3,456	380,490	119,510
Less:				
Transferred to Capital in 1981	2,650			2,650
Statement Balance	497,350		380,490	116,860
Original Cost Estimate	450,000			
Contingency	14,655			

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12 Meter Resurfacing Project
Commitments

<u>Date</u>	<u>Vendor</u>	<u>Project Number</u>	<u>Amount</u>	<u>Ref. No.</u>
10/31/82	Stores	2.913.5	18.00	01878
11/30/82	Reversal	2.914.4	(1,453.50)	T3157
11/30/82	Kushmaul Machines	2.914.4	1,570.00	V032227
10/29/82	A.E. Petsche Co.	2.914.7	533.39	T3157
11/30/82	Correction	2.914.5	(139.50)	S1114
11/30/82	J.F. Findlay	2.914.5	569.96	V077382
11/30/82	J.F. Findlay	2.914.5	1,740.98	V077546
11/30/82	Reverse	2.914.5	(966.24)	S1106
11/18/82	Bill Horne	2.914.5	709.04	
11/23/82	Sidney Smith	2.914.6	975.73	V077389
11/30/82	Reverse	2.914.7	(1,500.00)	S1106
11/30/82	A.E. Petsche Co.	2.914.7	820.59	3265
11/30/82	Stores	2.914.8	11.53	1822
11/13/82	Merrimac Ind.	2.914.8	435.00	S9010
11/10/82	Jones Photo	2.914.9	131.44	T3295
			<u>3,456.42</u>	

12 Meter Resurfacing Project

Labor

<u>Project No.</u>	<u>Description</u>	<u>Amount</u>
2.912.0	Back-up Structure	13,014
2.913.0	Surface Panels	5,302
2.914.0	Site Installation	<u>4,755</u>
Total		<u><u>23,071</u></u>

Travel

2.911.4	Miscellaneous	875
2.912.3	Miscellaneous	982
2.914.1	B.U.S. Assembly	5,106
2.914.5	Install Panels	4,357
2.914.6	Adjust Panels	<u>1,829</u>
Total		<u><u>13,149</u></u>