

National Radio Astronomy Observatory

12141/1001

12 Meter Resurfacing Project

January 31, 1983

<u>Description</u>	<u>Project Allocation</u>	<u>Capital</u>	<u>Expended & Committed This Month</u>	<u>Total Expended & 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	(83)	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	(83)	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	39	1,065	-0-
2.914.5 Install Panels	12,826*	12,057	77	846	(772)
2.914.6 Adjust Panels	3,000		799	3,540	(540)
2.914.7 Recabling, Repainting, etc.	8,000			7,939	61
2.914.8 Holographic Measure	25,000		1,514	26,678	(1,678)
2.914.9 Miscellaneous	10,000		4,818	6,433	3,567
2.915.0 Sunscreen	10,000				10,000
Sub-Total	106,084	48,068	7,247	46,683	11,338

MEMO No. 214

12 METER MILLIMETER WAVE TELESCOPE

<u>Description</u>	<u>Project Allocation</u>	<u>Capital</u>	<u>Expended & Committed This Month</u>	<u>Total Expended & Committed</u>	<u>Free Balance</u>
Contingency	77,524				77,524
Total Project Budget	<u>500,000</u>	<u>331,384</u>	<u>7,164</u>	<u>70,740</u>	<u>97,876</u>
Less:					
Transferred to Capital 1981	2,650	(2,650)			-0-
Transferred to Capital 1982	<u>328,734</u>	<u>(328,734)</u>			<u>-0-</u>
Total	<u>168,616</u>	<u>-0-</u>	<u>7,164</u>	<u>70,740</u>	<u>97,876</u>

Original Cost Estimate
Contingency

450,000
27,524

* Project Completed

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 12 Meter Resurfacing Project
 Commitments and Expenditures
 January 31, 1983

<u>Date</u>	<u>Vendor</u>	<u>Project Number</u>	<u>Amount</u>	<u>Ref. No.</u>
1/1/83	Analog Devices	2.914.8	916.40	G9206
1/1/83	Merrimac Industries	2.914.8	235.00	8955
1/19/83	Stores		40.74	2202
1/1/83	Tucson Petty Cash	2.914.9	34.73	
1/1/83	Metal Bellows	2.914.9	125.04	3369
1/1/83	H & E Electronics	2.914.9	115.26	3377
1/1/83	Newman Computer	2.914.9	2,495.00	3364
1/1/83	H & E Electronics	2.914.9	54.22	3370
1/1/83	Martinsen Enterprise	2.914.5	77.07	32819
1/1/83	Sidney Smith	2.914.6	798.84	78474
1/1/83	Copper State	2.914.4	38.56	3344
1/1/83	Stores	2.914.1	.94	2089
1/1/83	Reverse Accural	2.913.4	(714.00)	S0106
1/1/83	Leasametric		631.00	3213
1/18/83	Pioneer Washington	2.914.8	321.65	G9235
1/04/83	Cordem	2.914.9	<u>1,994.00</u>	T3410
			<u><u>7,164.45</u></u>	

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