



MMA Task Scheduling

Filter for MMA Tasks (Level 1 and 2) selected

WBS (f)	Task	Start	Finish	Duration	Work	1998												1999												2000												2001												2002											
						M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D				
1	Administration	1998-06-01	2001-01-01	135.2w	603.01w	[Summary bar with green progress]																																																											
1.1	<u>Management</u>	1998-06-01	2000-12-29	135w	448.75w	[Summary bar with green progress]																																																											
1.2	<u>Facilities</u>	1998-06-01	2000-12-29	135w	26.13w	[Summary bar with green progress]																																																											
1.3	<u>Agreements in Chile</u>	1998-06-01	2000-12-29	135w	59.33w	[Summary bar with green progress]																																																											
1.4	<u>Partnerships</u>	1998-06-01	2001-01-01	135.2w	68.8w	[Summary bar with green progress]																																																											
2	Site Development	1998-06-01	2007-12-28	500w	137.8w	[Summary bar with green progress]																																																											
2.1	<u>Initial Development Planning</u>	1998-06-01	1999-01-15	33w	39.8w	[Summary bar with green progress]																																																											
2.2	<u>Revise Development Plan</u>	1999-01-18	2000-06-30	76w	98w	[Summary bar with green progress]																																																											
2.5	Start Facilities Construction in Chile	2001-01-01	2001-01-01	0w	0w	[Milestone triangle at 2001-01-01]																																																											
2.10	<u>Site Access</u>	2000-07-03	2007-12-28	391w	0w	[Summary bar with green progress]																																																											
2.15	<u>Preliminary Development</u>	2001-01-01	2001-10-31	43.6w	0w	[Summary bar with green progress]																																																											
2.20	<u>Array Site</u>	2001-06-01	2004-03-15	145.4w	0w	[Summary bar with green progress]																																																											
2.25	<u>Operations Support Facility</u>	2001-06-01	2004-03-15	145.4w	0w	[Summary bar with green progress]																																																											
2.30	<u>OSF/Array Link</u>	2001-06-01	2002-12-13	80.2w	0w	[Summary bar with green progress]																																																											
2.40	<u>Prepare for Instrument Assembly</u>	2003-09-01	2004-08-31	52.4w	0w	[Summary bar with green progress]																																																											
3	Antenna	1998-06-01	2002-12-30	239.2w	712.46w	[Summary bar with green progress]																																																											
3.1	<u>In-house designs</u>	1998-06-01	1999-01-29	35w	140w	[Summary bar with green progress]																																																											
3.2	<u>Specifications</u>	1998-06-01	1999-03-05	40w	29w	[Summary bar with green progress]																																																											
3.3	<u>Procurement of Prototype Antenna</u>	1998-09-22	2001-06-01	140.8w	290.61w	[Summary bar with green progress]																																																											
3.4	Foundation	2000-07-04	2000-10-23	80d	4w	[Task bar]																																																											
3.5	<u>Apex</u>	1999-08-30	2001-01-31	74.6w	58w	[Task bar]																																																											
3.6	<u>Metrology</u>	1999-10-04	2001-05-17	84.6w	113w	[Task bar]																																																											
3.7	Antenna Evaluation and Enhancement	2001-06-04	2001-08-10	50d	15w	[Task bar]																																																											
3.8	<u>Transporter</u>	1999-10-01	2001-06-01	87.2w	17w	[Task bar]																																																											
3.9	Internal Antenna Interface Support	1998-06-01	2001-06-01	157w	7.85w	[Task bar]																																																											
3.15	<u>Procurement of Antenna #2</u>	2001-01-01	2001-12-28	52w	38w	[Task bar]																																																											
3.20	<u>Production Antennas</u>	2002-12-30	2002-12-30	0.2w	0w	[Task bar]																																																											
4	Receivers	1998-06-01	2007-04-27	465w	2,421.29w	[Summary bar with green progress]																																																											
4.1	<u>SIS Mixers</u>	1998-06-01	2003-12-31	291.6w	1,416.62w	[Summary bar with green progress]																																																											
4.2	<u>HFET Amplifiers</u>	1999-01-01	2000-01-31	56.4w	6w	[Summary bar with green progress]																																																											

Milestones: bold type	Task	Progress	Completed Mlstr	Summary Progress
Summary Tasks: <u>underline</u>	Split	Milestone	Summary	



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WBS (f)	Task	Start	Finish	Duration	Work	1998				1999				2000				2001				2002											
						M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
9.2	PDR: Comp. Requirements & Control Software	1999-06-30	1999-06-30	0d	0w																												
9.3	Software Practices and Standards	1998-12-01	1999-02-22	12w	9w																												
9.4	<u>Monitor and Control</u>	<u>1998-10-12</u>	<u>2001-03-30</u>	<u>129w</u>	<u>103.5w</u>																												
9.5	<u>Test Antenna Control Software</u>	<u>1998-10-23</u>	<u>2001-03-01</u>	<u>123w</u>	<u>84w</u>																												
9.6	<u>Commissioning Software</u>	<u>2000-06-01</u>	<u>2001-03-30</u>	<u>43.4w</u>	<u>33w</u>																												
9.7	<u>Test Correlator Software</u>	<u>1999-02-15</u>	<u>2000-05-28</u>	<u>67w</u>	<u>40w</u>																												
9.8	Prototype Antenna Software Integration	2001-06-01	2001-11-29	26w	0w																												
9.9	Prototype Antenna Software Support	2001-11-30	2004-11-25	156w	0w																												
9.10	Antenna	1999-02-01	2004-02-27	265w	0w																												
9.11	Correlator	1999-02-01	2004-02-27	265w	0w																												
9.12	Data Production	2001-06-01	2003-05-29	104w	0w																												
9.13	<u>Archiving</u>	<u>1998-12-01</u>	<u>2005-12-26</u>	<u>369w</u>	<u>0w</u>																												
9.14	<u>Near real-time imaging</u>	<u>1999-12-01</u>	<u>2006-07-18</u>	<u>346w</u>	<u>0w</u>																												
9.15	<u>Scheduling</u>	<u>1999-01-01</u>	<u>2005-11-25</u>	<u>360.2w</u>	<u>0w</u>																												
9.16	<u>Off-Line Data Processing</u>	<u>2001-01-01</u>	<u>2001-06-27</u>	<u>25.6w</u>	<u>12w</u>																												
10	System Integration	1998-06-01	2003-03-28	252w	621.9w																												
10.1	Overall Specifications for all systems	1998-06-01	2001-06-01	157w	31.4w																												
10.2	<u>Specification of interfaces and standards</u>	<u>1998-10-01</u>	<u>2001-05-30</u>	<u>139w</u>	<u>30w</u>																												
10.3	Monitor and Control Coordination	1998-10-05	2001-06-01	139w	13.9w																												
10.4	<u>Test Interferometer Site Preparation</u>	<u>2000-02-01</u>	<u>2001-04-30</u>	<u>65w</u>	<u>18w</u>																												
10.7	<u>Holography System</u>	<u>1998-09-01</u>	<u>2001-03-30</u>	<u>134.8w</u>	<u>42w</u>																												
10.10	<u>Prototype Antenna Integration and Testing</u>	<u>1998-06-01</u>	<u>2003-03-28</u>	<u>252w</u>	<u>486.6w</u>																												
11	Calibration & Imaging	1998-06-01	2001-06-01	157w	565w																												
11.1	<u>Site Characterization and Monitoring</u>	<u>1998-06-01</u>	<u>2001-06-01</u>	<u>157w</u>	<u>0w</u>																												
11.2	<u>Configuration Studies</u>	<u>1998-06-01</u>	<u>2001-06-01</u>	<u>157w</u>	<u>0w</u>																												
11.3	<u>Calibration</u>	<u>1998-06-01</u>	<u>2001-06-01</u>	<u>157w</u>	<u>0w</u>																												
11.4	Imaging studies	1998-06-01	2001-06-01	157w	0w																												

Milestones: **bold type**
Summary Tasks: underline

Task Split

Progress Milestone

Completed Mlstr Summary

Summary Progress