

Filters ALMA ALMA Milestone Summary (Version: 2003Mar23b)							Legend: Level 1:1 Level 2:X Level 3:0 (Orig									
IPT	Milestone #	WBS #	Milestone Name	Due Date	Level	Status	2002	2003	2004	2005	2006	2007	2008	2009		
Manager	8121	1.010.8121	Executives submit 2002 financial report (actual expenditures and value earned) to JAO	2003-Feb-28	2	Late		X								
Manager	10302	1.015.10302	ALMA Board Teleconference	2003-Mar-27	3	Late		o								
Manager	8171	1.015.8171	Submit 2002 financial report (actual expenditures and value earned) to ALMA Board	2003-Mar-31	2	Late		X								
Manager	8165	1.015.8165	Site available for Work	2003-Apr-01	2			X								
Manager	10303	1.015.10303	ALMA Board Teleconference	2003-Apr-29	3			o								
Manager	8105	1.010.8105	Designation of responsibility for Phase 2 development work elements in Europe	2003-May-01	2			X								
Manager	20301	1.010.20301	AUI Santiago Contract/Business manager starts	2003-May-01	3			o								
Manager	10304	1.015.10304	ALMA Board Face to Face Meeting	2003-May-26	3			o								
Manager	10305	1.015.10305	ALMA Week (Start)	2003-Jun-02	3			o								
Site	8213	2.025.8213	Freeze Joint Antenna Foundation Interface	2003-Feb-15	2	Late		X								
Site	8216	2.025.8216	Freeze Central Cluster Configuration	2003-Mar-01	2	Done		X								
Site	8208	2.025.8208	Final Approval of Architectural program for all AOS buildings	2003-Mar-03	2	Done		X								
Site	8212	2.025.8212	Draft Joint Antenna Foundation Interface	2003-Mar-06	2	Done		X								
Site	8300	2.025.8300	Access Road EU Design/Eng Contract Awarded	2003-Mar-17	2	Done		X								
Site	8302	2.025.8302	Access Road to OSF EU CDR Complete	2003-Mar-31	2	Late		X								
Site	8370	2.025.8370	Power Feasibility Study Completed	2003-Mar-31	2	Late		X								
Site	8204	2.025.8204	Access to land, permissions secured	2003-Apr-01	2			X								
Site	8250	2.025.8250	AOS Buildings NA Foundations/Envelope CDR Complete	2003-Apr-01	2			X								
Site	8292	2.025.8292	Construction Road Opening EU Construction Contract Signed	2003-Apr-01	2			X								
Site	8360	2.025.8360	Freeze Fiber Optics and Electrical Specifications	2003-Apr-01	2			X								
Site	8224	2.025.8224	AOS Foundations NA Central Cluster Construction Tender Docs Complete	2003-Apr-15	2			X								
Site	8304	2.025.8304	Access Road OSF to AOS EU CDR Complete	2003-Apr-15	2			X								
Site	8320	2.025.8320	ALMA Camp Construction / Tender Docs Complete	2003-Apr-15	3			o								
Site	8330	2.025.8330	Contractors Camp Construction / Tender Docs Complete	2003-Apr-15	3			o								
Site	8222	2.025.8222	AOS Foundations NA Central Cluster CDR	2003-May-15	2			X								
Site	8252	2.025.8252	AOS Buildings NA Foundations/Envelope Construction / Tender Docs Complete	2003-May-31	2			X								
Site	8340	2.025.8340	OSF Facilities Phase 1 (Tech area) EU Design/Eng Contract Awarded	2003-Jun-01	2			X								
Site	8324	2.025.8324	ALMA Camp Construction Contract Signed, Work begins	2003-Jun-15	3			o								
Site	8332	2.025.8332	Contractors Camp Construction Contract Signed, Work begins	2003-Jun-15	3			o								
Antenna	8505	3.035.8505	Provisional Acceptance of VertexRSI Antenna	2003-Mar-20	2	Done		X								
Antenna	8503	3.035.8503	Deliver Foundation Design requirements	2003-Mar-31	2	Late		X								
Antenna	8500	3.045.8500	RFQ for VertexRSI Antenna Delivered to Project Office	2003-Apr-09	2			X								
Antenna	8520	3.045.8520	Submit RFQ to Vertex/RSI	2003-Apr-14	2			X								
Antenna	30301	3.035.30301	Vertex completes initial punch list	2003-May-05	3			o								
Antenna	8510	3.035.8510	Complete Technical Performance Report-VertexRSI Antenna	2003-May-21	2			X								
Antenna	8515	3.035.8515	Interim Antenna Technical Performance Report-AEC Antenna	2003-May-21	2			X								
Front End	40303	4.080.40303	Cryogenic performance available	2003-Feb-01	3	Late		o								
Front End	8880	4.258.8880	Deliver lab prototype LO chain to each cartridge man.	2003-Mar-01	2	Late		X								
Front End	40302	4.080.40302	Cartridge test dewars available	2003-Mar-01	3	Late		o								
Front End	40501	4.258.40501	Cold multiplier performance verified	2003-Mar-01	3	Late		o								
Front End	8700	4.075.8700	Initial set of FE specs and interface-control documents discussed	2003-Apr-01	2			X								
Front End	8835	4.100.8835	Deliver lab prototype M/C circuit	2003-Apr-01	2			X								
Front End	8995	4.075.8995	All FE Contracts / Agreements in place	2003-Apr-01	2			X								
Front End	8705	4.075.8705	FE specifications and requirements plus ICD's submitted for approval	2003-Apr-15	2			X								
Front End	8765	4.090.8765	Freeze optics design	2003-Apr-30	2			X								
Front End	8770	4.090.8770	Freeze windows/IR filters design	2003-Apr-30	2			X								
Front End	40304	4.080.40304	Dead line for input on cartridge design modifications	2003-Jul-01	3			o								
Back End	50305	5.260.50305	Identify impact of systems integration test plan on BE design	2003-Apr-10	3			o								

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Back End	50306	5.260.50306	Identify impact of selection of LO photonics design on the BE design	2003-Apr-10	3			o						
Back End	50307	5.260.50307	Write Back End ICDs	2003-Apr-10	3			o						
Correlator	9208	6.315.9208	Correlator ICDs submitted for approval	2003-Mar-31	2	Late		X						
Correlator	60304	6.315.60304	All correlator PCBs except QCC assembled	2003-Mar-31	3	Late		o						
Correlator	60310	6.325.60310	2GC System Requirements Review Meeting	2003-Apr-23	3			o						
Correlator	60305	6.315.60305	FPDP interface verified	2003-May-15	3			o						
Correlator	9355	6.325.9355	2GC System Requirements Review	2003-May-20	2			X						
Correlator	60306	6.315.60306	First end-to-end test	2003-May-30	3			o						
Computing	70305	7.340.70305	2003-March code checkin	2003-Mar-01	3	Done		o						
Computing	70302	7.340.70302	PDR meeting held	2003-Mar-20	3	Done		o						
Computing	70306	7.340.70306	2003-April code checkin	2003-Apr-01	3			o						
Computing	70317	7.340.70317	Final FE/M&C ICD comments submitted to FE IPT	2003-Apr-01	3			o						
Computing	70303	7.340.70303	PDR panel report submitted to JAO	2003-Apr-04	3			o						
Computing	9410	7.340.9410	Preliminary Design Review (PDR)	2003-Apr-11	2			X						
Computing	70304	7.340.70304	PDR Computing IPT Management Response	2003-Apr-11	3			o						
Computing	9415	7.340.9415	Subsystem pre-release (R0)	2003-May-01	2			X						
Computing	70312	7.340.70312	2003-05 Subsystem checkin	2003-May-01	3			o						
Computing	70307	7.340.70307	CDR1 Document Set available to Computing IPT	2003-May-23	3			o						
Computing	70308	7.340.70308	CDR1 Document Set to Reviewers	2003-Jun-01	3			o						
Computing	70313	7.340.70313	2003-06 Subsystem checkin	2003-Jun-01	3			o						
Computing	70318	7.340.70318	Final Antenna/M&C comments submitted to Antenna IPT	2003-Jun-01	3			o						
Computing	70324	7.340.70324	Science Data Format discussion document	2003-Jun-01	3			o						
Computing	70309	7.340.70309	Subsystem CDR1 meetings completed	2003-Jun-15	3			o						
Computing	70310	7.340.70310	CDR1 review panel reports due to computing IPT	2003-Jun-30	3			o						
Computing	70314	7.340.70314	2003-07 checkin	2003-Jul-01	3			o						
Computing	70319	7.340.70319	Final LO ICD input to FE IPT	2003-Jul-01	3			o						
Computing	70320	7.340.70320	Final BE ICD input to BE IPT	2003-Jul-01	3			o						
System	80301	8.365.80301	80301- Product Assurance Plan - draft	2003-Mar-03	3	Late		o						
System	80303	8.370.80303	9650-1 Prototype Integration Plan - draft - outline and inventory only	2003-Mar-15	3	Late		o						
System	80305	8.365.80305	9602-1 List and outline of all Requirements documents	2003-Mar-15	3	Late		o						
System	8005	8.370.8005	Start Antenna Evaluation at ALMA Test Facility	2003-Mar-22	1	Done		1						
System	80302	8.365.80302	80302- Configuration Management Plan - draft	2003-May-26	3			o						
System	80304	8.370.80304	9650-2 Prototype Integration Plan - draft	2003-Jun-01	3			o						
System	80306	8.365.80306	9602-2 Environment Requirements - draft	2003-Jul-01	3			o						
System	80308	8.365.80308	9602-4 Engineering Requirements - Electrical and Electronical -draft	2003-Jul-01	3			o						
System	80310	8.365.80310	9602-6 Engineering Requirements - mechanical and thermal -draft	2003-Jul-01	3			o						
System	80312	8.365.80312	9602-8 System Requirements - draft	2003-Jul-01	3			o						
System	80314	8.365.80314	9602-10 EMC / RFI requirements - draft	2003-Jul-01	3			o						
System	80316	8.365.80316	9602-12 All system level ICD requirements - draft	2003-Jul-01	3			o						
Science	98121	9.380.98121	ATM software library available	2003-Mar-20	3	Done		o						
Science	98201	9.380.98201	Draft of bandpass calibration plan	2003-Mar-30	3	Late		o						
Science	98202	9.380.98202	Draft of phase calibration plan	2003-Mar-30	3	Late		o						
Science	98203	9.380.98203	Draft of amplitude calibration plan	2003-Mar-30	3	Late		o						
Science	98204	9.380.98204	Review of SSR plan for phase calibration techniques	2003-Mar-30	3	Late		o						
Science	98205	9.380.98205	Draft of delay calibration plan	2003-Mar-30	3	Late		o						
Science	98206	9.380.98206	Draft of antenna location determination plan	2003-Mar-30	3	Late		o						
Science	98207	9.380.98207	Draft of antenna global pointing model determination plan	2003-Mar-30	3	Late		o						
Science	98208	9.380.98208	Draft of reference pointing and focus calibration plans	2003-Mar-30	3	Late		o						
Science	98209	9.380.98209	Draft of polarization calibration plan	2003-Mar-30	3	Late		o						
Science	98210	9.380.98210	Draft of operation model for calibration	2003-Mar-30	3	Late		o						
Science	98351	9.380.98351	Draft of WVR technical aspects document	2003-Mar-30	3	Late		o						

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Science	98151	9.380.98151	Investigation of Logic of Antenna Motion	2003-Mar-31	3	Late		o						
Science	98152	9.380.98152	First revised configuration (pad position) plan submitted	2003-Mar-31	3	Late		o						
Science	98122	9.380.98122	Draft specifications for calibration devices	2003-Apr-30	3			o						
Science	98701	9.380.98701	Uniform integration of NA and EU data.	2003-Apr-30	3			o						
Science	98702	9.380.98702	Description of current site characterization instrumentation.	2003-Apr-30	3			o						
Science	9812	9.380.9812	Document on how calibration reqs flow down to instrumental specs	2003-Jun-30	2			X						
Science	9815	9.380.9815	Plan for Y+ configuration submitted	2003-Jun-30	2			X						
Science	98211	9.380.98211	Revised bandpass calibration plan	2003-Jun-30	3			o						
Science	98212	9.380.98212	Revised phase calibration plan	2003-Jun-30	3			o						
Science	98213	9.380.98213	Revised amplitude calibration plan	2003-Jun-30	3			o						
Science	98214	9.380.98214	Revised antenna location determination plan	2003-Jun-30	3			o						
Science	98215	9.380.98215	Revised delay calibration plan	2003-Jun-30	3			o						
Science	98216	9.380.98216	Revised antenna global pointing model determination plan	2003-Jun-30	3			o						
Science	98217	9.380.98217	Revised reference pointing and focus calibration plan	2003-Jun-30	3			o						
Science	98218	9.380.98218	Revised polarization calibration plan	2003-Jun-30	3			o						
Science	98352	9.380.98352	Report on feasibility and usefulness of WVRs on ATF interferometer	2003-Jun-30	3			o						
Science	98708	9.380.98708	Report on RFI environment at Chajnantor	2003-Jun-30	3			o						