

Filters		ALMA Milestone Summary (Version: 2003Feb18b)					Legend: Level 1:1 Level 2:X Level 3:0							
IPT	Level	Milestone #	WBS #	Milestone Name	Due Date	Level	Status	2002	2003	2004	2005	2006	2007	2008
Antenna	2	8502	3.035.8502	Shared Access VertexRSI Antenna	2002-Nov-15	2	Done	X						
Antenna	2	8505	3.035.8505	Provisional Acceptance of VertexRSI Antenna	2003-Feb-14	2	Late		X					
Antenna	2	8503	3.035.8503	Deliver Foundation Design requirements	2003-Feb-15	2	Late		X					
Antenna	2	8500	3.045.8500	RFQ for VertexRSI Antenna Delivered to Project Office	2003-Feb-28	2			X					
Antenna	2	8520	3.045.8520	Submit RFQ to Vertex/RSI	2003-Mar-10	2			X					
Antenna	2	8569	3.070.8569	Transporter CFT Critical Review Completed	2003-Mar-15	2			X					
Antenna	2	8522	3.045.8522	Receive firm fixed-price Quotation from Vertex/RSI	2003-Apr-10	2			X					
Antenna	2	8510	3.035.8510	Complete Technical Performance Report-VertexRSI Antenna	2003-Apr-14	2			XX					
Antenna	2	8515	3.035.8515	Interim Antenna Technical Performance Report-AEC Antenna	2003-Apr-14	2			XX					
Antenna	2	8530	3.035.8530	Shared Access AEC Antenna (Preliminary Acceptance)	2003-May-28	2			X					
Back End	3	50301	5.260.50301	Define inventory of modules.	2003-Jan-10	3	Done		o					
Back End	3	50302	5.260.50302	Firm up science requirements and module specifications	2003-Jan-30	3	Done		o					
Back End	3	50303	5.260.50303	Review need for additional resources to meet schedule	2003-Jan-30	3	Done		o					
Back End	3	50304	5.260.50304	Master Laser Contract signed	2003-Jan-31	3	Done		o					
Back End	3	50305	5.260.50305	Identify impact of systems integration test plan on BE design	2003-Apr-10	3			o					
Back End	3	50306	5.260.50306	Identify impact of selection of LO photonics design on the BE design	2003-Apr-10	3			o					
Back End	3	50307	5.260.50307	Write Back End ICDs	2003-Apr-10	3			o					
Computing	2	9400	7.340.9400	Computing Subsystem Start (T0)	2002-Jun-01	2	Done	X						
Computing	2	9405	7.340.9405	Internal Design Review (IDR)	2002-Dec-09	2	Done		X					
Computing	3	70301	7.340.70301	PDR documents delivered to review panel	2003-Feb-24	3			o					
Computing	3	70305	7.340.70305	2003-March code checkin	2003-Mar-01	3			o					
Computing	3	70302	7.340.70302	PDR meeting held	2003-Mar-20	3			o					
Computing	3	70306	7.340.70306	2003-April code checkin	2003-Apr-01	3			o					
Computing	3	70317	7.340.70317	Final FE/M&C ICD comments submitted to FE IPT	2003-Apr-01	3			o					
Computing	3	70303	7.340.70303	PDR panel report submitted to JAO	2003-Apr-04	3			o					
Computing	2	9410	7.340.9410	Preliminary Design Review (PDR)	2003-Apr-11	2			XX					
Computing	3	70304	7.340.70304	PDR Computing IPT Management Response	2003-Apr-11	3			o					
Computing	2	9415	7.340.9415	Subsystem pre-release (R0)	2003-May-01	2			X					
Computing	3	70312	7.340.70312	2003-05 Subsystem checkin	2003-May-01	3			o					
Computing	3	70307	7.340.70307	CDR1 Document Set available to Computing IPT	2003-May-23	3			o					
Correlator	2	9350	6.325.9350	Second Generation Correlator Feasibility Study	2002-Mar-27	2	Done	X						
Correlator	2	9200	6.315.9200	Complete design of pre-production boards for prototype correlator	2002-Dec-30	2	Done		X					
Correlator	2	9205	6.315.9205	Begin integrated testing of prototype correlator	2003-Jan-06	2	Done		X					
Correlator	3	60301	6.315.60301	Second station motherboard installed	2003-Feb-15	3	Done		o					
Correlator	3	60302	6.315.60302	All station PCBs assembled	2003-Feb-15	3	Done		o					
Correlator	2	9208	6.315.9208	Correlator ICDs submitted for approval	2003-Feb-28	2			X					
Correlator	3	60303	6.315.60303	Correlator motherboard installed	2003-Mar-01	3			o					
Correlator	3	60304	6.315.60304	All correlator PCBs except QCC assembled	2003-Mar-15	3			o					
Correlator	3	60305	6.315.60305	FPDP interface verified	2003-Apr-01	3			o					
Correlator	2	9355	6.325.9355	2GC System Requirements Review	2003-Apr-15	2			X					
Correlator	3	60306	6.315.60306	First end-to-end test	2003-Apr-15	3			o					
Front End	2	8870	4.258.8870	LO review	2002-Nov-01	2	Done	X						
Front End	2	8740	4.080.8740	Prototype cartridge bodies (plus dummies) delivered	2003-Jan-01	2	Done		X					
Front End	3	40303	4.080.40303	Cryogenic performance available	2003-Feb-01	3	Late		o					
Front End	2	8880	4.258.8880	Deliver lab prototype LO chain to each cartridge man.	2003-Mar-01	2			XX					
Front End	3	40302	4.080.40302	Cartridge test dewars available	2003-Mar-01	3			oo					
Front End	3	40501	4.258.40501	Cold multiplier performance verified	2003-Mar-01	3			oo					
Front End	2	8700	4.075.8700	Initial set of FE specs and interface-control documents discussed	2003-Apr-01	2			X					
Front End	2	8835	4.100.8835	Deliver lab prototype M/C circuit	2003-Apr-01	2			XX					
Front End	2	8995	4.075.8995	All FE Contracts / Agreements in place	2003-Apr-01	2			X					
Front End	2	8705	4.075.8705	FE specifications and requirements plus ICD's submitted for approval	2003-Apr-15	2			XX					
Front End	2	8765	4.090.8765	Freeze optics design	2003-Apr-30	2			X					
Front End	2	8770	4.090.8770	Freeze windows/IR filters design	2003-Apr-30	2			X					
Management	2	8160	1.015.8160	All Requirements and Definitions Available	2002-Nov-01	2	Late	X						
Management	2	8165	1.015.8165	Site available for Work	2003-Jan-01	2	Late	X						

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Management	2	8120	1.010.8120	Executives submit 2003 budget and financial projections to JAO	2003-Feb-05	2	Done		X					
Management	2	8170	1.015.8170	Submit 2003 budget and financial projections to ALMA Board	2003-Feb-11	2	Done		X					
Management	3	10301	1.015.10301	ALMA Board Face to Face Meeting	2003-Feb-24	3			o					
Management	2	8121	1.010.8121	Executives submit 2002 financial report (actual expenditures and value earned) to JAO	2003-Feb-28	2			X					
Management	3	10302	1.015.10302	ALMA Board Teleconference	2003-Mar-27	3			o					
Management	2	8171	1.015.8171	Submit 2002 financial report (actual expenditures and value earned) to ALMA Board	2003-Mar-31	2			X					
Management	3	10303	1.015.10303	ALMA Board Teleconference	2003-Apr-29	3			o					
Management	2	8105	1.010.8105	Designation of responsibility for Phase 2 development work elements in Europe	2003-May-01	2			X	X				
Management	3	10304	1.015.10304	ALMA Board Face to Face Meeting	2003-May-26	3			o					
Science	2	9800	9.380.9800	Plan for compact and intermediate configurations submitted	2002-Oct-15	2	Late		X					
Science	3	98051	9.380.98051	Draft of calibration requirements document	2002-Dec-31	3	Done		o					
Science	2	9805	9.380.9805	Review of calibration requirements with science examples complete	2003-Feb-28	2			X					
Science	3	98201	9.380.98201	Draft of bandpass calibration plan	2003-Mar-30	3			o					
Science	3	98202	9.380.98202	Draft of phase calibration plan	2003-Mar-30	3			o					
Science	3	98203	9.380.98203	Draft of amplitude calibration plan	2003-Mar-30	3			o					
Science	3	98204	9.380.98204	Review of SSR plan for phase calibration techniques	2003-Mar-30	3			o					
Science	3	98205	9.380.98205	Draft of delay calibration plan	2003-Mar-30	3			o					
Science	3	98206	9.380.98206	Draft of antenna location determination plan	2003-Mar-30	3			o					
Science	3	98207	9.380.98207	Draft of antenna global pointing model determination plan	2003-Mar-30	3			o					
Science	3	98208	9.380.98208	Draft of reference pointing and focus calibration plans	2003-Mar-30	3			o					
Science	3	98209	9.380.98209	Draft of polarization calibration plan	2003-Mar-30	3			o					
Science	3	98210	9.380.98210	Draft of operation model for calibration	2003-Mar-30	3			o					
Science	3	98351	9.380.98351	Draft of WVR technical aspects document	2003-Mar-30	3			o					
Science	3	98121	9.380.98121	ATM software library available	2003-Mar-31	3			o					
Science	3	98151	9.380.98151	Investigation of Logic of Antenna Motion	2003-Mar-31	3			o					
Science	3	98152	9.380.98152	First revised configuration (pad position) plan submitted	2003-Mar-31	3			o					
Science	3	98122	9.380.98122	Draft specifications for calibration devices	2003-Apr-30	3			o					
Science	3	98701	9.380.98701	Uniform integration of NA and EU data.	2003-Apr-30	3			o					
Science	3	98702	9.380.98702	Description of current site characterization instrumentation.	2003-Apr-30	3			o					
Site	2	8220	2.025.8220	Award Contract Design / Engineering for AOS Facilities NA	2002-Oct-09	2	Done		X					
Site	2	8208	2.025.8208	Final Approval of Architectural program for all AOS buildings	2003-Feb-01	2	Late		X					
Site	2	8212	2.025.8212	Draft Joint Antenna Foundation Interface	2003-Feb-01	2	Late		X	X				
Site	2	8300	2.025.8300	Access Road EU Design/Eng Contract Awarded	2003-Feb-13	2	Late		X					
Site	2	8213	2.025.8213	Freeze Joint Antenna Foundation Interface	2003-Feb-15	2	Late		X	X				
Site	2	8290	2.025.8290	Construction Road Opening EU Construction / Tender Docs Complete	2003-Feb-15	2	Late		X					
Site	2	8216	2.025.8216	Freeze Central Cluster Configuration	2003-Mar-01	2			X					
Site	2	8222	2.025.8222	AOS Foundations NA Central Cluster CDR	2003-Mar-01	2			X					
Site	2	8320	2.025.8320	ALMA Camp Construction / Tender Docs Complete	2003-Mar-01	2			X					
Site	2	8330	2.025.8330	Contractors Camp Construction / Tender Docs Complete	2003-Mar-01	2			X					
Site	3	20301	2.025.20301	AUI Santiago Contract/Business manager starts	2003-Mar-01	3			o					
Site	2	8302	2.025.8302	Access Road to OSF EU CDR Complete	2003-Mar-31	2			X					
Site	2	8370	2.025.8370	Power Feasibility Study Completed	2003-Mar-31	2			X					
Site	2	8204	2.025.8204	Access to land, permissions secured	2003-Apr-01	2			X	X				
Site	2	8250	2.025.8250	AOS Buildings NA Foundations/Envelope CDR Complete	2003-Apr-01	2			X					
Site	2	8292	2.025.8292	Construction Road Opening EU Construction Contract Signed	2003-Apr-01	2			X					
Site	2	8360	2.025.8360	Freeze Fiber Optics and Electrical Specifications	2003-Apr-01	2			X					
Site	3	20302	2.025.20302	AUI Contract/Business function in Santiago in place and functioning	2003-Apr-01	3			o					
Site	2	8224	2.025.8224	AOS Foundations NA Central Cluster Construction Tender Docs Complete	2003-Apr-15	2			X					
Site	2	8304	2.025.8304	Access Road OSF to AOS EU CDR Complete	2003-Apr-15	2			X					
Site	2	8324	2.025.8324	ALMA Camp Construction Contract Signed, Work begins	2003-May-01	2			X					
Site	2	8332	2.025.8332	Contractors Camp Construction Contract Signed, Work begins	2003-May-01	2			X					
Site	2	8252	2.025.8252	AOS Buildings NA Foundations/Envelope Construction / Tender Docs Complete	2003-May-31	2			X					