

Filters ALMA Milestone Summary (Version: 2003Feb24a)										Legend: Level 1:1 Level 2:					
IPT	Milestone #	WBS #	Milestone Name	Due Date	Level	Status	Original				2002	2003	2004	2005	20
Management	8160	1.015.8160	All Requirements and Definitions Available	2002-Nov-01	2	Late	2002-Nov-01				4	X			
Management	8165	1.015.8165	Site available for Work	2003-Jan-01	2	Late	2003-Jan-01				5	X			
Management	8120	1.010.8120	Executives submit 2003 budget and financial projections to JAO	2003-Feb-05	2	Done	2002-Oct-15	4			5	XX			
Management	8170	1.015.8170	Submit 2003 budget and financial projections to ALMA Board	2003-Feb-11	2	Done	2002-Oct-17	4			5	XX			
Management	10301	1.015.10301	ALMA Board Face to Face Meeting	2003-Feb-24	3	Done	2003-Feb-24				5	o			
Management	8121	1.010.8121	Executives submit 2002 financial report (actual expenditures and value earned) to JAO	2003-Feb-28	2		2003-Feb-28				5	X			
Management	10302	1.015.10302	ALMA Board Teleconference	2003-Mar-27	3		2003-Mar-27				5	o			
Management	8171	1.015.8171	Submit 2002 financial report (actual expenditures and value earned) to ALMA Board	2003-Mar-31	2		2003-Mar-31				5	X			
Management	10303	1.015.10303	ALMA Board Teleconference	2003-Apr-29	3		2003-Apr-29				6	o			
Management	8105	1.010.8105	Designation of responsibility for Phase 2 development work elements in Europe	2003-May-01	2		2002-Dec-20	4			6	X	X		
Management	10304	1.015.10304	ALMA Board Face to Face Meeting	2003-May-26	3		2003-May-26				6	o			
Site	8208	2.025.8208	Final Approval of Architectural program for all AOS buildings	2003-Feb-01	2	Late	2003-Feb-01				5	X			
Site	8212	2.025.8212	Draft Joint Antenna Foundation Interface	2003-Feb-01	2	Late	2003-Jul-01	7			5	X	X		
Site	8300	2.025.8300	Access Road EU Design/Eng Contract Awarded	2003-Feb-13	2	Late	2003-Feb-13				5	X			
Site	8213	2.025.8213	Freeze Joint Antenna Foundation Interface	2003-Feb-15	2	Late	2003-Jul-01	7			5	X	X		
Site	8290	2.025.8290	Construction Road Opening EU Construction / Tender Docs Complete	2003-Feb-15	2	Late	2003-Feb-15				5	X			
Site	20301	2.025.20301	AUI Santiago Contract/Business manager starts	2003-Mar-01	3		2003-Mar-01				5	o			
Site	8216	2.025.8216	Freeze Central Cluster Configuration	2003-Mar-01	2		2003-Mar-01				5	X			
Site	8222	2.025.8222	AOS Foundations NA Central Cluster CDR	2003-Mar-01	2		2003-Mar-01				5	X			
Site	8320	2.025.8320	ALMA Camp Construction / Tender Docs Complete	2003-Mar-01	2		2003-Mar-01				5	X			
Site	8330	2.025.8330	Contractors Camp Construction / Tender Docs Complete	2003-Mar-01	2		2003-Mar-01				5	X			
Site	8302	2.025.8302	Access Road to OSF EU CDR Complete	2003-Mar-31	2		2003-Mar-31				5	X			
Site	8370	2.025.8370	Power Feasibility Study Completed	2003-Mar-31	2		2003-Mar-31				5	X			
Site	8204	2.025.8204	Access to land, permissions secured	2003-Apr-01	2		2003-Jan-01	5			6	XX			
Site	20302	2.025.20302	AUI Contract/Business function in Santiago in place and functioning	2003-Apr-01	3		2003-Apr-01				6	o			
Site	8250	2.025.8250	AOS Buildings NA Foundations/Envelope CDR Complete	2003-Apr-01	2		2003-Apr-01				6	X			
Site	8292	2.025.8292	Construction Road Opening EU Construction Contract Signed	2003-Apr-01	2		2003-Apr-01				6	X			
Site	8360	2.025.8360	Freeze Fiber Optics and Electrical Specifications	2003-Apr-01	2		2003-Apr-01				6	X			
Site	8224	2.025.8224	AOS Foundations NA Central Cluster Construction Tender Docs Complete	2003-Apr-15	2		2003-Apr-15				6	X			
Site	8304	2.025.8304	Access Road OSF to AOS EU CDR Complete	2003-Apr-15	2		2003-Apr-15				6	X			
Site	8324	2.025.8324	ALMA Camp Construction Contract Signed, Work begins	2003-May-01	2		2003-May-01				6	X			
Site	8332	2.025.8332	Contractors Camp Construction Contract Signed, Work begins	2003-May-01	2		2003-May-01				6	X			
Antenna	8505	3.035.8505	Provisional Acceptance of VertexRSI Antenna	2003-Feb-14	2	Late	2003-Jan-20				5	X			
Antenna	8503	3.035.8503	Deliver Foundation Design requirements	2003-Feb-15	2	Late	2003-Feb-15				5	X			
Antenna	8500	3.045.8500	RFQ for VertexRSI Antenna Delivered to Project Office	2003-Feb-28	2		2003-Feb-03				5	XX			
Antenna	8520	3.045.8520	Submit RFQ to Vertex/RSI	2003-Mar-10	2		2003-Mar-10				5	X			
Antenna	8569	3.070.8569	Transporter CFT Critical Review Completed	2003-Mar-15	2		2003-Mar-15				5	X			
Antenna	8522	3.045.8522	Receive firm fixed-price Quotation from Vertex/RSI	2003-Apr-10	2		2003-Apr-10				6	X			
Antenna	8510	3.035.8510	Complete Technical Performance Report-VertexRSI Antenna	2003-Apr-14	2		2003-Mar-20	5			6	XX			
Antenna	8515	3.035.8515	Interim Antenna Technical Performance Report-AEC Antenna	2003-Apr-14	2		2003-Mar-20	5			6	XX			
Front End	40303	4.080.40303	Cryogenic performance available	2003-Feb-01	3	Late	2003-Jan-15				5	o			
Front End	40302	4.080.40302	Cartridge test dewars available	2003-Mar-01	3		2002-Dec-15	4			5	o			
Front End	40501	4.258.40501	Cold multiplier performance verified	2003-Mar-01	3		2002-Dec-15	4			5	o			
Front End	8880	4.258.8880	Deliver lab prototype LO chain to each cartridge man.	2003-Mar-01	2		2002-Dec-15	4			5	XX			
Front End	8700	4.075.8700	Initial set of FE specs and interface-control documents discussed	2003-Apr-01	2		2002-Nov-15	4			6	X	X		
Front End	8995	4.075.8995	All FE Contracts / Agreements in place	2003-Apr-01	2		TBD				6	X			
Front End	8835	4.100.8835	Deliver lab prototype M/C circuit	2003-Apr-01	2		2003-Jan-15	5			6	XX			
Front End	8705	4.075.8705	FE specifications and requirements plus ICD's submitted for approval	2003-Apr-15	2		2003-Jan-15	5			6	XX			
Front End	8765	4.090.8765	Freeze optics design	2003-Apr-30	2		2003-Apr-15				6	X			
Front End	8770	4.090.8770	Freeze windows/IR filters design	2003-Apr-30	2		2003-Apr-15				6	X			
Back End	50302	5.260.50302	Firm up science requirements and module specifications	2003-Jan-30	3	Done	2003-Jan-30				5	o			
Back End	50303	5.260.50303	Review need for additional resources to meet schedule	2003-Jan-30	3	Done	2003-Jan-30				5	o			
Back End	50304	5.260.50304	Master Laser Contract signed	2003-Jan-31	3	Done	2003-Jan-31				5	o			
Back End	50305	5.260.50305	Identify impact of systems integration test plan on BE design	2003-Apr-10	3		2003-Apr-10				6	o			
Back End	50306	5.260.50306	Identify impact of selection of LO photonics design on the BE design	2003-Apr-10	3		2003-Apr-10				6	o			

Filters ALMA Milestone Summary (Version: 2003Feb24a)								Legend: Level 1:1 Level 2:						
IPT	Milestone #	WBS #	Milestone Name	Due Date	Level	Status	Original			2002	2003	2004	2005	20
Back End	50307	5.260.50307	Write Back End ICDs	2003-Apr-10	3		2003-Apr-10			6				
Correlator	60301	6.315.60301	Second station motherboard installed	2003-Feb-15	3	Done	2003-Feb-15			5	o			
Correlator	60302	6.315.60302	All station PCBs assembled	2003-Feb-15	3	Done	2003-Feb-15			5	o			
Correlator	60303	6.315.60303	Correlator motherboard installed	2003-Feb-24	3	Done	2003-Mar-01			5	o			
Correlator	9208	6.315.9208	Correlator ICDs submitted for approval	2003-Feb-28	2		2003-Feb-28			5	X			
Correlator	60304	6.315.60304	All correlator PCBs except QCC assembled	2003-Mar-15	3		2003-Mar-15			5	o			
Correlator	60305	6.315.60305	FPDP interface verified	2003-Apr-01	3		2003-Apr-01			6	o			
Correlator	60306	6.315.60306	First end-to-end test	2003-Apr-15	3		2003-Apr-15			6	o			
Correlator	60310	6.325.60310	2GC System Requirements Review Meeting	2003-Apr-23	3		2003-Apr-23			6	o			
Correlator	9355	6.325.9355	2GC System Requirements Review	2003-May-20	2		2003-May-20			6	X			
Computing	70301	7.340.70301	PDR documents delivered to review panel	2003-Feb-24	3	Late	2003-Feb-24			5	o			
Computing	70305	7.340.70305	2003-March code checkin	2003-Mar-01	3		2003-Mar-01			5	o			
Computing	70302	7.340.70302	PDR meeting held	2003-Mar-20	3		2003-Mar-20			5	o			
Computing	70306	7.340.70306	2003-April code checkin	2003-Apr-01	3		2003-Apr-01			6	o			
Computing	70317	7.340.70317	Final FE/M&C ICD comments submitted to FE IPT	2003-Apr-01	3		2003-Apr-01			6	o			
Computing	70303	7.340.70303	PDR panel report submitted to JAO	2003-Apr-04	3		2003-Apr-04			6	o			
Computing	9410	7.340.9410	Preliminary Design Review (PDR)	2003-Apr-11	2		2003-Mar-15		5	6	X			
Computing	70304	7.340.70304	PDR Computing IPT Management Response	2003-Apr-11	3		2003-Apr-11			6	o			
Computing	9415	7.340.9415	Subsystem pre-release (R0)	2003-May-01	2		2003-May-01			6	X			
Computing	70312	7.340.70312	2003-05 Subsystem checkin	2003-May-01	3		2003-May-01			6	o			
Computing	70307	7.340.70307	CDR1 Document Set available to Computing IPT	2003-May-23	3		2003-May-23			6	o			
System	8005	8.370.8005	Start Antenna Evaluation at ALMA Test Facility	2003-Feb-21	1	Late	2002-Dec-31		4	5	11			
System	80301	8.365.80301	80301- Product Assurance Plan - draft	2003-Mar-03	3		2003-Mar-03			5	o			
System	80305	8.365.80305	9602-1 List and outline of all Requirements documents	2003-Mar-15	3		2003-Mar-15			5	o			
System	80303	8.370.80303	9650-1 Prototype Integration Plan - draft - outline and inventory only	2003-Mar-15	3		2003-Mar-15			5	o			
System	9700	8.370.9700	NA Prototype Holography Complete	2003-May-06	2		2002-Dec-26		4	6	X			
System	80302	8.365.80302	80302- Configuration Management Plan - draft	2003-May-26	3		2003-May-26			6	o			
Science	9800	9.380.9800	Plan for compact and intermediate configurations submitted	2002-Oct-15	2	Late	2002-Oct-15			4	X			
Science	9805	9.380.9805	Review of calibration requirements with science examples complete	2003-Feb-28	2		2003-Feb-15			5	X			
Science	98201	9.380.98201	Draft of bandpass calibration plan	2003-Mar-30	3		2003-Mar-30			5	o			
Science	98202	9.380.98202	Draft of phase calibration plan	2003-Mar-30	3		2003-Mar-30			5	o			
Science	98203	9.380.98203	Draft of amplitude calibration plan	2003-Mar-30	3		2003-Mar-30			5	o			
Science	98204	9.380.98204	Review of SSR plan for phase calibration techniques	2003-Mar-30	3		2003-Mar-30			5	o			
Science	98205	9.380.98205	Draft of delay calibration plan	2003-Mar-30	3		2003-Mar-30			5	o			
Science	98206	9.380.98206	Draft of antenna location determination plan	2003-Mar-30	3		2003-Mar-30			5	o			
Science	98207	9.380.98207	Draft of antenna global pointing model determination plan	2003-Mar-30	3		2003-Mar-30			5	o			
Science	98208	9.380.98208	Draft of reference pointing and focus calibration plans	2003-Mar-30	3		2003-Mar-30			5	o			
Science	98209	9.380.98209	Draft of polarization calibration plan	2003-Mar-30	3		2003-Mar-30			5	o			
Science	98210	9.380.98210	Draft of operation model for calibration	2003-Mar-30	3		2003-Mar-30			5	o			
Science	98351	9.380.98351	Draft of WVR technical aspects document	2003-Mar-30	3		2003-Mar-30			5	o			
Science	98151	9.380.98151	Investigation of Logic of Antenna Motion	2003-Mar-31	3		2003-Mar-31			5	o			
Science	98152	9.380.98152	First revised configuration (pad position) plan submitted	2003-Mar-31	3		2003-Mar-31			5	o			
Science	98121	9.380.98121	ATM software library available	2003-Mar-31	3		2003-Mar-31			5	o			
Science	98701	9.380.98701	Uniform integration of NA and EU data.	2003-Apr-30	3		2003-Apr-30			6	o			
Science	98702	9.380.98702	Description of current site characterization instrumentation.	2003-Apr-30	3		2003-Apr-30			6	o			
Science	98122	9.380.98122	Draft specifications for calibration devices	2003-Apr-30	3		2003-Apr-30			6	o			
Management	10305	1.015.10305	ALMA Week (Start)	2003-Jun-02	3		2003-Jun-02			6	o			

X Level 3: o (C

106	2007	2008
-----	------	------

--	--	--

X Level 3: o (C

106	2007	2008
-----	------	------

--	--	--