

Filters		ALMA Milestone 3 Month Summary (Version: 2003jun01b)						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	2	
Manager	8165	1.015.8165	Site available for Work	2003-Apr-01	2	Late		X							
Manager	10304	1.015.10304	ALMA Board Face to Face Meeting	2003-May-26	3	Done		o							
Manager	8171	1.015.8171	Submit 2002 financial report (actual expenditures and value earned) to ALMA Board	2003-May-26	2	Done		XX							
Manager	10305	1.015.10305	ALMA Week (Start)	2003-Jun-02	3	Done		o							
Manager	8105	1.010.8105	Designation of responsibility for Phase 2 development work elements in Europe	2003-Jun-13	2	Late		X							
Manager	8122	1.010.8122	Executives submit 2004 budget and financial projections to JAO	2003-Sep-01	2			X							
Site	8320	2.025.8320	ALMA Camp Construction / Tender Docs Complete	2003-Apr-15	3	Late		oo							
Site	8330	2.025.8330	Contractors Camp Construction / Tender Docs Complete	2003-Apr-15	3	Late		oo							
Site	8292	2.025.8292	Construction Road Opening EU Construction Contract Signed	2003-May-20	2	Late		X							
Site	8222	2.025.8222	AOS Foundations NA Central Cluster CDR	2003-May-26	2	Done		XX							
Site	8213	2.025.8213	Freeze Joint Antenna Foundation Interface	2003-May-30	2	Late		XX							
Site	8340	2.025.8340	OSF Facilities Phase 1 (Tech area) EU Design/Eng Contract Awarded	2003-Jun-01	2	Late		X							
Site	8324	2.025.8324	ALMA Camp Construction Contract Signed, Work begins	2003-Jun-15	3	Late		o							
Site	8332	2.025.8332	Contractors Camp Construction Contract Signed, Work begins	2003-Jun-15	3	Late		o							
Site	8302	2.025.8302	Access Road to OSF EU CDR Complete	2003-Jun-20	2	Delay		XX							
Site	8304	2.025.8304	Access Road OSF to AOS EU CDR Complete	2003-Jun-20	2	Delay		X							
Site	8250	2.025.8250	AOS Buildings NA Foundations/Envelope CDR Complete	2003-Jun-30	2	Delay		X							
Site	8360	2.025.8360	Freeze Fiber Optics and Electrical Specifications	2003-Jun-30	2	Delay		X							
Site	8308	2.025.8308	Access Road EU Construction Contract Signed	2003-Jul-04	2			X	X						
Site	8224	2.025.8224	AOS Foundations NA Central Cluster Construction Tender Docs Complete	2003-Jul-15	2	Delay		XX							
Site	8306	2.025.8306	Access Road EU Construction / Tender Docs Complete	2003-Jul-16	2			X							
Site	8326	2.025.8326	ALMA Camp Provisional Acceptance	2003-Aug-15	3			o							
Site	8260	2.025.8260	AOS Buildings Finish & Installations NA CDR Complete	2003-Aug-31	2			X							
Site	8372	2.025.8372	ALMA Project Power Supply Plan Approved	2003-Aug-31	2			X							
Site	8342	2.025.8342	OSF Facilities Phase 1 (Tech area) EU CDR Complete	2003-Sep-15	2			X							
Antenna	8500	3.045.8500	RFQ for VertexRSI Antenna Delivered to Project Office	2003-May-20	2	Done		XX							
Antenna	30301	3.035.30301	Vertex completes initial punch list	2003-Jun-18	3	Delay		o							
Antenna	8520	3.045.8520	Submit RFQ to Vertex/RSI	2003-Jun-27	2	Delay		XX							
Antenna	8530	3.035.8530	Shared Access AEC Antenna (Preliminary Acceptance)	2003-Jul-07	2	Delay		XX							
Antenna	8510	3.035.8510	Complete Technical Performance Report-VertexRSI Antenna	2003-Jul-10	2	Delay		X X							
Antenna	8515	3.035.8515	Interim Antenna Technical Performance Report-AEC Antenna	2003-Jul-10	2	Delay		X X							
Antenna	8525	3.045.8525	CFT/RFQ Bid Package Submitted to Project Office (AEC/VertexRSI)	2003-Aug-26	2	Delay		XX							
Antenna	8540	3.035.8540	Provisional Acceptance of AEC Antenna	2003-Aug-28	2	Delay		X							
Front End	8705	4.075.8705	FE specifications and requirements plus ICD's submitted for approval	2003-May-15	2	Late		X							
Front End	8835	4.100.8835	Deliver lab prototype M/C circuit	2003-May-22	2	Done		X							
Front End	40303	4.080.40303	Cryogenic performance available	2003-May-31	3	Late		oo							
Front End	8995	4.075.8995	All FE Contracts / Agreements in place	2003-Jun-30	2	Delay		X							
Front End	8765	4.090.8765	Freeze optics design	2003-Jun-30	2	Delay		X							
Front End	8770	4.090.8770	Freeze windows/IR filters design	2003-Jun-30	2	Delay		X							
Front End	8880	4.258.8880	Deliver lab prototype LO chain to each cartridge man.	2003-Jun-30	2	Delay		XX							
Front End	40304	4.080.40304	Dead line for input on cartridge design modifications	2003-Jul-01	3			o							
Front End	8720	4.080.8720	Freeze Dewar design	2003-Jul-15	2			X							
Front End	40305	4.305.40305	Dead line for input on DC bias circuits requirements	2003-Aug-01	3			o							
Front End	40306	4.100.40306	Dead line for input on M&C circuit requirements	2003-Aug-01	3			o							
Front End	8990	4.075.8990	Front end sub-system Delta PDR	2003-Sep-01	2			X							
Front End	8750	4.080.8750	Cartridge body design frozen	2003-Sep-01	2			X							
Back End	50306	5.260.50306	Identify impact of selection of LO photonics design on the BE design	2003-Jul-15	3	Delay		oo							
Back End	50307	5.260.50307	Write Back End ICDs	2003-Jul-15	3	Delay		oo							
Correlator	60305	6.315.60305	FPDP interface verified	2003-May-15	3	Late		o							
Correlator	60306	6.315.60306	First end-to-end test	2003-May-30	3	Late		o							
Correlator	60310	6.325.60310	ZGC System Requirements Review Meeting	2003-Jun-08	3	Late		o							

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Correlator	9208	6.315.9208	Correlator ICDs submitted for approval	2003-Jun-13	2	Late		XX						
Correlator	60309	6.320.60309	Begin ordering parts for first quadrant	2003-Jul-23	3	Delay		o						
Correlator	9210	6.315.9210	Hold Critical Design Review	2003-Aug-08	2	Delay		XX						
Correlator	9215	6.315.9215	Pass Critical Design Review	2003-Aug-22	2	Delay		XX						
Correlator	60307	6.315.60307	Prototype correlator ready to ship to ATF	2003-Aug-29	3			o						
Correlator	9220	6.320.9220	Contract signed for Custom Correlator chips	2003-Sep-01	2			X						
Correlator	9230	6.320.9230	Begin assembly of first quadrant	2003-Sep-01	2			X						
Computing	70317	7.340.70317	Final FE/M&C ICD comments submitted to FE IPT	2003-Apr-01	3	Late		o						
Computing	70307	7.340.70307	CDR1 Document Set available to Computing IPT	2003-May-23	3	Late		o						
Computing	70308	7.340.70308	CDR1 Document Set to Reviewers	2003-Jun-01	3	Late		o						
Computing	70313	7.340.70313	2003-06 Subsystem checkin	2003-Jun-01	3	Late		o						
Computing	70318	7.340.70318	Final Antenna/M&C comments submitted to Antenna IPT	2003-Jun-01	3	Late		o						
Computing	70324	7.340.70324	Science Data Format discussion document	2003-Jun-01	3	Late		o						
Computing	70309	7.340.70309	Subsystem CDR1 meetings completed	2003-Jun-15	3	Late		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						
Computing	9420	7.340.9420	Subsystem Critical Design Review 1 (CDR1)	2003-Jul-09	2			X						
Computing	70311	7.340.70311	CDR1 Document Revisions in ALMAEDM	2003-Aug-01	3			o						
Computing	70315	7.340.70315	2003-08 checkin	2003-Aug-01	3			o						
Computing	70321	7.340.70321	All ATF M&C ICDs complete	2003-Aug-01	3			o						
Computing	70316	7.340.70316	2003-09 checkin	2003-Sep-01	3			o						
System	80303	8.370.80303	9650-1 Prototype Integration Plan - draft - outline and inventory only	2003-Apr-30	3	Late		o						
System	80305	8.365.80305	9602-1 List and outline of all Requirements documents	2003-May-15	3	Late		o						
System	80302	8.365.80302	80302- Configuration Management Plan - draft	2003-May-26	3	Late		o						
System	80304	8.370.80304	9650-2 Prototype Integration Plan - draft	2003-Jun-01	3	Late		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						
System	9700	8.370.9700	NA Prototype Holography Complete	2003-Jul-03	3	Delay		o						
System	80307	8.365.80307	9602-3 Environment Requirements - ready for review	2003-Aug-01	3			o						
System	80309	8.365.80309	9602-5 Engineering Requirements - Electrical and Electronical -ready for review	2003-Aug-01	3			o						
System	80311	8.365.80311	9602-7 Engineering Requirements - mechanical and thermal -ready for review	2003-Aug-01	3			o						
System	80313	8.365.80313	9602-9 System Requirements - ready for review	2003-Aug-01	3			o						
System	80315	8.365.80315	9602-11 EMC / RFI requirements - ready for review	2003-Aug-01	3			o						
System	80317	8.365.80317	9602-13 All system level ICD requirements - ready for review	2003-Aug-01	3			o						
System	9650	8.370.9650	Prototype Integration & Verification Plan (Q4 2003 through Q4 2004) approved for Lab and ATF	2003-Aug-01	2			X						
System	9703	8.370.9703	NA Prototype Optical Tracking and Pointing Tests Complete	2003-Aug-25	3	Delay		o						
System	9602	8.365.9602	System Requirements Review (SRR) - System Requirements Finalized	2003-Sep-01	2			X						
Science	98701	9.380.98701	Uniform integration of NA and EU data.	2003-Apr-30	3	Late		o						
Science	98205	9.380.98205	Draft of delay calibration plan	2003-Apr-30	3	Late		o						
Science	98151	9.380.98151	Investigation of Logic of Antenna Motion	2003-May-31	3	Late		o						
Science	98203	9.380.98203	Draft of amplitude calibration plan	2003-May-31	3	Late		o						
Science	98204	9.380.98204	Review of SSR plan for phase calibration techniques	2003-May-31	3	Late		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	98702	9.380.98702	Description of current site characterization instrumentation.	2003-Jun-30	3	Delay		o						

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Science	98708	9.380.98708	Report on RFI environment at Chajnantor	2003-Jun-30	3			o						
Science	98209	9.380.98209	Draft of polarization calibration plan	2003-Jun-30	3	Delay		o						
Science	98210	9.380.98210	Draft of operation model for calibration	2003-Jun-30	3	Delay		o						
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	98352	9.380.98352	Report on feasibility and usefulness of WVRs on ATF interferometer	2003-Jun-30	3			o						
Science	98703	9.380.98703	Radio sonde data analysis written.	2003-Jul-31	3			o						
Science	98704	9.380.98704	Report on analysis of high precision hygrometer measurements.	2003-Jul-31	3			o						
Science	98705	9.380.98705	Report on phase correction analysis	2003-Jul-31	3			o						
Science	98707	9.380.98707	Report on accuracy of mesoscale atmosphere models	2003-Jul-31	3			o						
Science	98218	9.380.98218	Revised polarization calibration plan	2003-Jul-31	3	Delay		o						
Science	98219	9.380.98219	Complete draft report on calibration strategy ready for review	2003-Jul-31	3			o						