

# Integrated Project Schedule SCIE CSV and Key Deliverables

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
	2 3 4 1	2 3 4 1	2 3 4 1	2 3 4 1	2 3 4 1	2 3 4 1	2 3 4 1	2 3 4 1	2 3 4 1	2 3 4 1	2 3 4 1	2 3 4 1	2 3 4 1
<b>1_02 Site Schedule</b>	<p>Now - 30Nov2006</p> <p>27Dec2007 ☆ OSF Technical Area Construction - Complete</p> <p>24May2007 ☆ AOS TB Completion - Complete</p> <p>11Jun2008 ☰ AOS TB - OSF TF Comm Link - Construction - Provisi</p>												
<b>1_03 ALMA Antenna Schedule</b>	<p>Antenna IPT Joint Testing - NA Antenna 1</p> <p>03Jun2007 # 28Jun2007</p> <p>28Jun2007 ☆ Full Acceptance - NA Antenna 1</p> <p>24Jan2008 △ 1st Nutator - Full Acceptance (Ready for AIV)</p> <p>16May2008 △ Nutators 2 &amp; 3 Full Acceptance (Ready for AIV)</p> <p>15Jul2008 △ Nutators 4&amp;5 Full Acceptance (Ready for AIV)</p> <p>30Jan2007 ☰ Ship OPT Refurbished Prototype to OSF - Sent to OSF</p> <p>16Nov2007 △ First Optical Pointing Telescope - Ready for AIV</p> <p>22Feb2008 △ Optical Pointing Telescopes # 2 &amp; 3 - Ready for AIV</p> <p>24Mar2008 △ Optical Pointing Telescopes # 4 &amp; 5 - Ready for AIV</p> <p>11Oct2007 ☆ Transporter Accepted at OSF (Unit #1)</p> <p>18Feb2008 △ Second Transporter Accepted at OSF</p>												
<b>1_04 ALMA Front End Schedule</b>	<p>05Dec2007 ☰ PAS of Prototype #1 Calibration Device to OSF/ATF</p> <p>05Dec2007 ☰ PAS of Prototype #2 Calibration Device at the OSF</p> <p>22Jul2008 ☰ PAS of Calibration Device #3 at the OSF</p> <p>08May2007 ☆ Deliver Front-End (NA#1) to the ATF</p> <p>06Sep2007 ☆ Deliver Front-End (NA#2) to OSF</p> <p>17Apr2008 ☆ Deliver Front-End (NA#3) to the OSF</p> <p>16Jun2008 ↑ Deliver Front-End &amp; PAS (EU#1) to the OSF</p> <p>16Jun2008 ☆ PAS FE (EU#1) to the OSF</p>												
<b>1_05 ALMA Back End Schedule</b>	<p>12Jun2008 ☰ Deliver Two-Antenna AIV Central Rack to OSF (CVR,</p> <p>17Jul2007 ☆ BEND Start Reassembly 1st A/D antenna rack sets in Chile</p> <p>10Jun2008 ☆ Central Back End System (for 8 antennas) Ready to In</p>												
<b>1_06 ALMA Correlator Schedule</b>	<p>31Jul2007 ☆ In Chile Ready for AOS - 1st Quadrant Correlator</p> <p>17Mar2008 ☆ In Chile Ready for AOS - 2nd Quadrant Correlator</p> <p>14Apr2009 ☆ In Chile Ready for AOS - 4th Quadrant Correlato</p>												
<b>1_08 Systems Engineering &amp; Integration</b>	<p>15Mar2007 ☆ PSI ATF - First Fringes</p> <p>11Apr2007 ↑ OSF Holography System - AIV Complete to AIPC</p>												

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				2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1

**1\_09 Science**

28Jun2007 ☆ OSF Start AIV Work on First Antenna

27May2008 ⬆ Ant #1 AIV OSF Check Out Total Power - Start

26Sep2008 ☆ Ant 1 & 2 OSF Interferometer Start  
♥ 02May2008

Initial Science Support as Commissioning (OSF)  
 29Jun2007 ————— 31May2009

31May2009 ⬆ Ready to Commission in Array Ant 1

07Jul2009 ⬆ Ready to Commission in Array Ant 2

24Mar2009 ⬆ Ready to Commission in Array ACA 12m Ant 1

10Apr2009 ⬆ Ready to Commission in Array ACA 12m Ant 2

14Aug2009 ⬆ Ready to Commission in Array Ant 3

27Apr2009 ⬆ Ready to Commission in Array ACA 12m Ant 3

07Sep2009 ⬆ Ready to Commission in Array Ant 4

24Sep2009 ⬆ Ready to Commission in Array Ant 5

11Oct2009 ⬆ Ready to Commission in Array Ant 6

14May2009 ⬆ Ready to Commission in Array ACA 12m Ant 4

13Mar2010 ⬆ Ready to Commission in Array Ant 16

21May2011 ⬆ Ready to Commission in Array Ant 32

09Oct2012 ⬆ Ready to Commission in Array Ant 32

03Dec2009 ⬆ Ready to Commission in Array ACA 7m Ant 1

06Feb2010 ⬆ Ready to Commission in Array ACA 7m Ant 2

18Sep2011 ⬆ Ready to Commission in Array ACA 7m Ant 2

14Aug2009 ⬆ Start of Science Commissioning (CSV)

Commissioning 1-3 Antenna Array  
 15Aug2009 ~~07Sep2009~~

Commissioning 9-16 Antenna Array  
 19Nov2009 ~~30Mar2010~~

Commissioning 17-24 Antenna Array  
 31Mar2010 ~~30Oct2010~~

Commissioning 25-32 Antenna Array  
 31Oct2010 ~~19Jun2011~~

Commissioning 33-40 Antenna Array  
 20Jun2011 ~~06Feb2012~~

Commissioning 41-50 Antenna Array  
 07Feb2012 ~~10Oct2012~~

Antennas 3+ Science Verification  
 08Oct2009 ~~31Mar2010~~

Antennas 16+ Science Verification  
 01Apr2010 ~~31Oct2010~~

Antennas 24+ Science Verification  
 01Nov2010 ~~20Jun2011~~

Antennas 32+ Science Verification  
 21Jun2011 ~~07Feb2012~~

Antennas 40+ Science Verification  
 08Feb2012 ~~10Oct2012~~

29Jan2010 ☆ 8 Ant Array at AOS - Decision Point: Early  
♥ 29Jan2010

Early Science - Proposal Submissions  
 30Jan2010 ~~29Apr2010~~

29Apr2010 ⬆ Early Science - Proposal Deadline

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	<p>Early Science - Preparation          30Apr2010 <del>28Nov2010</del></p> <p>28Nov2010 ☆ Early Science - Start</p> <p>Early Science - 1-50          29Nov2010 <del>10Oct2012</del></p> <p>10Oct2012 ☆ Start of Full Science Op          ☆ 04Sep2012</p>
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