

**ALMA Observing Activity from 2015-06-23T17:59:00 to 2015-06-30T18:00:00**  
**QA0 pass executions**

**2015-06-24**

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
03:19:06	04:31:32	2012.1.00198.S	AU_Mic_230_12m_C32-6	Who Stirs the Pot? Dynamics of Edge-On Debris Disks	Hughes	NA	12-m	6
05:39:28	06:14:12	2012.1.01029.S	Eyelash_B7_extended	50-pc resolution mapping of a unique strongly lensed z=2.3 sub-mm galaxy	Danielson	EU	12-m	7
06:14:45	08:11:01	2012.1.00784.S	W33A_12m_B7_repeat_x2	Tracing the 3D infall and rotation of material onto the massive protostar W33A	Hoare	EU	12-m	7
22:03:26	23:15:12	2012.1.00812.S	SGMC2_B3_12m	Shock dissipation in the Antennae merger: from Super Giant Molecular Clouds to pre-Cluster Clouds	Herrera	EU	12-m	3
23:56:16	01:12:41	2012.1.00175.S	Cloverleaf_12m_B7_repeat_x2_c	Physical conditions in high-z galaxies from water vapour emission and the origin of molecular outflows	van der Werf	EU	12-m	7

**2015-06-25**

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
01:13:21	02:31:18	2012.1.00175.S	Cloverleaf_12m_B7_repeat_x2_c	Physical conditions in high-z galaxies from water vapour emission and the origin of molecular outflows	van der Werf	EU	12-m	7
04:34:18	05:49:14	2012.1.00784.S	W33A_12m_B6_repeat_x2	Tracing the 3D infall and rotation of material onto the massive protostar W33A	Hoare	EU	12-m	6
05:49:31	06:42:52	2012.1.00784.S	W33A_12m_B6_repeat_x2	Tracing the 3D infall and rotation of material onto the massive protostar W33A	Hoare	EU	12-m	6
06:53:57	07:45:36	2012.1.01029.S	Eyelash_B9_extended	50-pc resolution mapping of a unique strongly lensed z=2.3 sub-mm galaxy	Danielson	EU	12-m	9
07:57:02	09:10:41	2012.1.00621.S	sgra_star	Proper Motions of Gas in the Immediate Vicinity of the Galactic Supermassive Black Hole	Ho	EA	12-m	7
09:12:06	10:32:04	2012.1.00611.S	PG2349_295_12m_CS3 2-6	Dense, Warm Molecular Gas and Star Formation in CO Luminous QSO Hosts	Evans	NA	12-m	7
10:43:43	12:06:50	2012.1.00611.S	PG2349_295_12m_CS3 2-6	Dense, Warm Molecular Gas and Star Formation in CO Luminous QSO Hosts	Evans	NA	12-m	7

**2015-06-26**

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
03:41:59	04:54:10	2012.1.00550.S	IRAS16547-4247_12m_B7_repeat_x1_a	First images of a protoplanetary disk around a very massive protostar	Franco Hernández	CL	12-m	7
06:23:02	08:22:05	2012.1.00784.S	W33A_12m_B7_repeat_x2	Tracing the 3D infall and rotation of material onto the massive protostar W33A	Hoare	EU	12-m	7
09:11:27	10:25:57	2012.1.00187.S	NGC_1097_Band7	X-ray irradiated dense molecular medium in the active nucleus of NGC 1097: 10 pc scale molecular view around a type-1 AGN	Kohnno	EA	12-m	7
10:30:08	12:25:38	2012.1.00245.S	SXDF_MultiSource_Band7_Cont	Spatially Resolved Mode of Star Formation in Halpa emitters at z>2	Tadaki	EA	12-m	7
21:08:43	22:18:23	2012.1.00882.S	ULAS_J1120+0641	Imaging the bright [CII]emission in a quasar host galaxy at z=7.1	Venemans	EU	12-m	6
22:49:10	00:12:09	2013.1.00493.S	NGC4429_a_07_TE	Weighing Supermassive Black Holes with ALMA	Bureau	EU	12-m	7

**2015-06-27**

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
00:13:41	01:36:49	2013.1.00493.S	NGC4429_a_07_TE	Weighing Supermassive Black Holes with ALMA	Bureau	EU	12-m	7
01:47:33	02:31:55	2012.1.00317.S	Arp220_B7_3	Gauging Deeply Hidden Nuclei of Arp 220	Sakamoto	EA	12-m	7
02:42:45	03:19:39	2012.1.00317.S	Arp220_C6_4	Gauging Deeply Hidden Nuclei of Arp 220	Sakamoto	EA	12-m	6
03:55:44	05:40:02	2013.1.00458.S	PN_M_2-9_a_07_TE	Last equatorial flows in axial PNe, effects of a binary stellar system	Castro-Carrizo	EU	12-m	7

06:25:31	07:50:28	2013.1.00814.S	ESO239-l_a_07_TE	Probing the Formation of Nuclear Stellar Cusps	Haan	OTHER	12-m	7
08:01:31	08:49:58	2013.1.00749.S	HELMS62_a_08_TE	Dynamical Properties of Dusty Star-Forming Galaxies in the Peak Epoch of Star Formation	Riechers	NA	12-m	8
08:50:13	09:39:18	2013.1.00749.S	HELMS59_a_08_TE	Dynamical Properties of Dusty Star-Forming Galaxies in the Peak Epoch of Star Formation	Riechers	NA	12-m	8
09:50:41	11:05:28	2013.1.00526.S	Q2206-19_a_09_TE	[CII]Emission from H I - Selected Galaxies	Neeleman	NA	12-m	9
12:27:34	13:10:30	2013.1.00001.S	XMM_30_a_07_TE	Witnessing the birth of the red sequence: the physical scale and morphology of ultra-red starbursts	Iverson	EU	12-m	7
14:00:40	15:16:40	2013.1.00349.S	L1551_NE_a_07_TE	Spiral Arms and Accretion Motion in the Circumbinary Disk around the Protostellar Binary System L1551 NE	Takakuwa	EA	12-m	7
15:45:18	17:19:48	2013.1.00346.S	30_dorad_a_06_TE	The first extragalactic, extreme, low-metallicity tests of the core mass function and molecular cloud structure	Indebetouw	NA	12-m	6
19:33:12	20:42:36	2012.1.00882.S	ULAS_J1120+0641	Imaging the bright [CII]emission in a quasar host galaxy at z=7.1	Venemans	EU	12-m	6
20:57:25	22:26:04	2013.1.01330.S	CosmicSn_a_06_TE	Resolving the Cosmic Snake, a typical L* galaxy at z=1.036	Dessauges-Zavadsky	EU	12-m	6
23:10:26	23:57:04	2013.1.00493.S	NGC4826_a_07_TE	Weighing Supermassive Black Holes with ALMA	Bureau	EU	12-m	7
23:59:00	00:36:09	2013.1.00493.S	NGC3351_a_07_TE	Weighing Supermassive Black Holes with ALMA	Bureau	EU	12-m	7

### 2015-06-28

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
01:23:23	02:11:35	2012.1.00317.S	Arp220_B7_4	Gauging Deeply Hidden Nuclei of Arp 220	Sakamoto	EA	12-m	7
02:12:19	02:57:47	2012.1.00317.S	Arp220_B7_2	Gauging Deeply Hidden Nuclei of Arp 220	Sakamoto	EA	12-m	7
03:09:22	04:53:49	2013.1.00458.S	PN_M_2-9_a_07_TE	Last equatorial flows in axial PNe, effects of a binary stellar system	Castro-Carrizo	EU	12-m	7
04:54:19	06:04:10	2013.1.00018.S	IRAS_162_a_07_TE	Understanding the Origins and Dynamics of the Multiple Outflows Around IRAS 16293-2422	Schmalzl	EU	12-m	7
06:15:30	07:24:23	2013.1.00880.S	SPT2134-_a_06_TE	A Pilot Study to Detect Dark Matter Subhalos with ALMA using Strongly Lensed submm Galaxies	Hezaveh	NA	12-m	6
07:25:05	08:42:02	2013.1.00191.S	NGC253_b_06_TE	Blowin' in the Wind: the Properties of the Starburst-driven Wind in NGC 253	Bolatto	NA	12-m	6
08:53:41	10:19:56	2013.1.00740.S	vv114_a_07_TE	Unveiling Merger-driven Gas Physics in the Nucleus/Overlap Regions of Mid-stage IR-bright Merger VV114	Saito	EA	12-m	7
08:56:11	09:45:59	2013.1.00099.S	Uranus_NGC253_a_06_TP	Dense Gas Thermometry of Starburst Galaxies	Mangum	NA	Total Power	6
10:20:29	11:49:47	2013.1.00740.S	vv114_b_07_TE	Unveiling Merger-driven Gas Physics in the Nucleus/Overlap Regions of Mid-stage IR-bright Merger VV114	Saito	EA	12-m	7
10:37:27	11:32:23	2013.1.00911.S	Amplical_Uranus_a_07_TP	Molecular gas conditions and shocks in the superwind of the starburst galaxy NGC 1808	Salak	EA	Total Power	7
11:34:09	12:28:17	2013.1.00099.S	Uranus_NGC253_a_07_TP	Dense Gas Thermometry of Starburst Galaxies	Mangum	NA	Total Power	7
12:03:35	12:45:29	2013.1.01231.S	SPT0346-_a_07_TE	The Fine Structure of an Extreme, Lensed Starburst Galaxy at z=5.7	Marrone	NA	12-m	7
13:54:06	14:40:14	2013.1.00063.S	sn1987a_a_07_TE	Resolving SN1987A: a detailed look at a unique laboratory of shock, dust, molecular, and nuclear physics	Indebetouw	NA	12-m	7
14:32:32	15:39:34	2013.1.00099.S	NGC253_a_07_TP	Dense Gas Thermometry of Starburst Galaxies	Mangum	NA	Total Power	7
15:19:30	16:10:10	2013.1.00063.S	sn1987a_d_07_TE	Resolving SN1987A: a detailed look at a unique laboratory of shock, dust, molecular, and nuclear physics	Indebetouw	NA	12-m	7
15:40:02	16:50:46	2013.1.00911.S	NGC1808_a_07_TP	Molecular gas conditions and shocks in the superwind of the	Salak	EA	Total Power	7

16:32:53	18:04:00	2013.1.00156.S	VY_CMa_a_07_TE	starburst galaxy NGC 1808 Dust nucleation in oxygen-rich envelopes of two evolved stars, VY CMa & Mira	Kaminski	EU	12-m	7
17:48:00	18:50:45	2013.1.00911.S	NGC1808_a_07_TP	Molecular gas conditions and shocks in the superwind of the starburst galaxy NGC 1808	Salak	EA	Total Power	7
18:14:52	19:40:13	2013.1.01215.S	IRC_+102_a_06_TE	Small scale structure of the IRC+10216 CS shells, a key to the mass loss process and chemistry	GUELIN	EU	12-m	6
19:08:22	20:10:10	2012.1.01069.S	HOPS_287_a_06_TP	Mapping the Envelopes of Edge-On Orion Protostars	Fischer	NA	Total Power	6
20:23:18	21:38:45	2013.1.00582.S	MACS1149_a_04_TE	A Census of the Molecular Gas and Star Formation within a Milky Way-like Spiral at z=1.5	Murphy	NA	12-m	4
20:33:02	21:27:16	2013.1.00234.S	G331.372_a_06_TP	Initial gas structure in a cold, massive clump: cluster formation in its earliest stages	Gomez	CL	Total Power	6
21:39:03	22:54:48	2013.1.00582.S	MACS1149_a_04_TE	A Census of the Molecular Gas and Star Formation within a Milky Way-like Spiral at z=1.5	Murphy	NA	12-m	4
22:37:27	23:32:01	2013.1.00234.S	G331.372_a_06_TP	Initial gas structure in a cold, massive clump: cluster formation in its earliest stages	Gomez	CL	Total Power	6
22:55:11	00:11:23	2013.1.00582.S	MACS1149_a_04_TE	A Census of the Molecular Gas and Star Formation within a Milky Way-like Spiral at z=1.5	Murphy	NA	12-m	4
23:32:20	00:26:38	2013.1.00234.S	G331.372_a_06_TP	Initial gas structure in a cold, massive clump: cluster formation in its earliest stages	Gomez	CL	Total Power	6

## 2015-06-29

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
01:34:37	02:29:05	2013.1.00234.S	G331.372_a_06_TP	Initial gas structure in a cold, massive clump: cluster formation in its earliest stages	Gomez	CL	Total Power	6
01:40:33	02:37:33	2013.1.01262.S	J1553+19_a_03_TE	Quasars Probing Quasars: CO observations of projected quasar pairs	Prochaska	NA	12-m	3
02:29:29	03:23:49	2013.1.00234.S	G331.372_a_06_TP	Initial gas structure in a cold, massive clump: cluster formation in its earliest stages	Gomez	CL	Total Power	6
02:49:11	03:38:11	2013.1.00305.S	HD_14252_a_04_TE	Build-up of protoplanetary core-accretion in the dust trap of HD142527	Casassus	CL	12-m	4
03:41:12	04:04:11	2013.1.00521.S	TN_J2007_a_04_TE	Isolating the starbursts in the most massive AGN hosts	De Breuck	EU	12-m	4
04:10:43	04:41:23	2013.1.00788.S	V1309_Sc_a_04_TE	Measuring Crucial Parameters of the First Known Stellar Merger	McCollum	NA	12-m	4
04:41:33	05:35:46	2013.1.00234.S	G331.372_a_06_TP	Initial gas structure in a cold, massive clump: cluster formation in its earliest stages	Gomez	CL	Total Power	6
04:41:54	06:08:15	2013.1.00880.S	SPT2147-_a_04_TE	A Pilot Study to Detect Dark Matter Subhalos with ALMA using Strongly Lensed submm Galaxies	Hezaveh	NA	12-m	4
07:31:11	08:30:33	2012.1.00306.S	IRASF20551_B3_12m	Massive molecular outflows and negative feedback in active galaxies	Sturm	EU	12-m	3
08:43:08	10:12:27	2013.1.00059.S	BX610_a_04_TE	Resolving the molecular gas and dust in a unique star forming disk galaxy z~2	Aravena	CL	12-m	4
09:34:08	10:18:23	2012.1.01069.S	Uranus_a_06_TP	Mapping the Envelopes of Edge-On Orion Protostars	Fischer	NA	Total Power	6
10:13:09	11:50:38	2013.1.00880.S	SPT0346-_a_04_TE	A Pilot Study to Detect Dark Matter Subhalos with ALMA using Strongly Lensed submm Galaxies	Hezaveh	NA	12-m	4
14:56:36	15:42:30	2013.1.00234.S	Uranus_G331.372_a_06_TP	Initial gas structure in a cold, massive clump: cluster formation in its earliest stages	Gomez	CL	Total Power	6
21:57:35	22:36:13	2013.1.00432.S	IRC+1021_e_03_TE	A 3mm Line Survey of IRC+10216 : The chemical view of a C-rich object	Cernicharo	EU	12-m	3
22:16:57	23:11:24	2013.1.00234.S	G331.372_a_06_TP	Initial gas structure in a cold, massive clump: cluster formation in its earliest stages	Gomez	CL	Total Power	6
23:11:46	00:06:03	2013.1.00234.S	G331.372_a_06_TP	Initial gas structure in a cold, massive clump: cluster formation in its earliest stages	Gomez	CL	Total Power	6

23:13:31	23:53:55	2012.1.00377.S	NGC4418__d_07_12	Fire and Wind in Compton-thick Monster: The Case of NGC 4418	Sakamoto	EA	12-m	7
23:56:08	00:27:33	2012.1.00175.S	Cloverleaf_12m_B7_rep_eat_x1_a	Physical conditions in high-z galaxies from water vapour emission and the origin of molecular outflows	van der Werf	EU	12-m	7

### 2015-06-30

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
00:06:38	01:00:56	2013.1.00234.S	G331.372_a_06_TP	Initial gas structure in a cold, massive clump: cluster formation in its earliest stages	Gomez	CL	Total Power	6
00:39:42	01:12:47	2012.1.00317.S	Arp220_C6_2	Gauging Deeply Hidden Nuclei of Arp 220	Sakamoto	EA	12-m	6
01:13:22	01:45:52	2012.1.00317.S	Arp220_C6_3	Gauging Deeply Hidden Nuclei of Arp 220	Sakamoto	EA	12-m	6
01:15:19	02:09:49	2013.1.00234.S	G331.372_a_06_TP	Initial gas structure in a cold, massive clump: cluster formation in its earliest stages	Gomez	CL	Total Power	6
01:46:17	02:22:01	2012.1.00317.S	Arp220_C6_1	Gauging Deeply Hidden Nuclei of Arp 220	Sakamoto	EA	12-m	6
02:10:17	02:54:29	2013.1.00234.S	G331.372_a_06_TP	Initial gas structure in a cold, massive clump: cluster formation in its earliest stages	Gomez	CL	Total Power	6
02:34:06	04:07:03	2013.1.00897.S	Westerlu_a_03_TE	Constraining the agents of change - the impact of clumpy winds on massive stellar evolution	Fenech	EU	12-m	3
03:48:25	04:42:46	2013.1.00234.S	G331.372_a_06_TP	Initial gas structure in a cold, massive clump: cluster formation in its earliest stages	Gomez	CL	Total Power	6
04:08:46	05:40:50	2012.1.00242.S	4C23.56_B3	Progenitors of Massive Galaxies in the Extremely High Density Environment around 4C 23.56 at z=2.5	Suzuki	EA	12-m	3
04:43:09	05:37:09	2013.1.00234.S	G331.372_a_06_TP	Initial gas structure in a cold, massive clump: cluster formation in its earliest stages	Gomez	CL	Total Power	6
05:37:32	06:31:24	2013.1.00234.S	G331.372_a_06_TP	Initial gas structure in a cold, massive clump: cluster formation in its earliest stages	Gomez	CL	Total Power	6
05:41:09	07:12:44	2012.1.00242.S	4C23.56_B3	Progenitors of Massive Galaxies in the Extremely High Density Environment around 4C 23.56 at z=2.5	Suzuki	EA	12-m	3
06:45:14	07:40:23	2013.1.00099.S	NGC253_a_06_TP	Dense Gas Thermometry of Starburst Galaxies	Mangum	NA	Total Power	6
07:26:36	08:58:40	2013.1.00433.S	BDF-3299_a_06_TE	Characterizing the nature of a protogalaxy in the primordial Universe (z=7.1) seen by ALMA	Maiolino	EU	12-m	6
07:41:03	08:31:14	2013.1.00099.S	Uranus_NGC4945_c_07_TP	Dense Gas Thermometry of Starburst Galaxies	Mangum	NA	Total Power	7
08:31:53	09:17:32	2013.1.00234.S	Uranus_G331.372_a_06_TP	Initial gas structure in a cold, massive clump: cluster formation in its earliest stages	Gomez	CL	Total Power	6
09:00:21	10:30:48	2013.1.00433.S	BDF-3299_a_06_TE	Characterizing the nature of a protogalaxy in the primordial Universe (z=7.1) seen by ALMA	Maiolino	EU	12-m	6
09:31:45	10:26:51	2013.1.00099.S	NGC253_a_06_TP	Dense Gas Thermometry of Starburst Galaxies	Mangum	NA	Total Power	6
10:33:29	11:56:53	2013.1.00433.S	BDF-3299_a_06_TE	Characterizing the nature of a protogalaxy in the primordial Universe (z=7.1) seen by ALMA	Maiolino	EU	12-m	6
11:11:53	12:13:35	2012.1.01069.S	HOPS_287_a_06_TP	Mapping the Envelopes of Edge-On Orion Protostars	Fischer	NA	Total Power	6