

**ALMA Observing Activity from 2015-04-21T18:00:00 to 2015-04-28T17:59:00**  
**QA0 pass executions**

**2015-04-28**

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
11:01:36	12:05:07	2013.1.01035.S	MSXDC_G0_a_07_TE	Dissecting filaments with ALMA: Unveiling the dynamic properties of dense cores within a massive IRDC	Henshaw	EU	12-m	7
09:57:48	11:01:04	2013.1.01035.S	MSXDC_G0_a_07_TE	Dissecting filaments with ALMA: Unveiling the dynamic properties of dense cores within a massive IRDC	Henshaw	EU	12-m	7
09:05:13	09:37:50	2013.1.00967.S	B68_a_06_TE	Dust Opacity and Fragmentation in the Centers of Nearby Low-mass Starless Cores	Shirley	NA	12-m	6
08:06:01	08:57:52	2013.1.00967.S	L1696A_a_06_TE	Dust Opacity and Fragmentation in the Centers of Nearby Low-mass Starless Cores	Shirley	NA	12-m	6
07:33:24	08:04:05	2013.1.00967.S	B68_a_07_TE	Dust Opacity and Fragmentation in the Centers of Nearby Low-mass Starless Cores	Shirley	NA	12-m	7
06:36:46	07:54:34	2013.1.01391.S	NGC6357__e_03_7M	NGC 6357: A Laboratory for Testing Modes of Star Formation	Faesi	NA	7-m	3
06:27:11	07:29:05	2013.1.00870.S	V346_Nor_a_06_TE	Tracing the accretion history of pre-main sequence stars through the envelope dynamics of FUors	Kospal	EU	12-m	6
05:28:04	06:26:46	2013.1.00870.S	V346_Nor_a_06_TE	Tracing the accretion history of pre-main sequence stars through the envelope dynamics of FUors	Kospal	EU	12-m	6
05:18:04	06:35:27	2013.1.01391.S	NGC6357__e_03_7M	NGC 6357: A Laboratory for Testing Modes of Star Formation	Faesi	NA	7-m	3
04:03:46	05:27:42	2013.1.00376.S	Saturn_a_03_TE	HCN emission: a diagnostic of Enceladus' cryovolcanic activity and torus dynamics	Lellouch	EU	12-m	3
03:49:50	05:17:39	2013.1.01391.S	NGC6357__e_03_7M	NGC 6357: A Laboratory for Testing Modes of Star Formation	Faesi	NA	7-m	3

**2015-04-27**

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
22:28:29	23:52:03	2013.1.00214.S	N55_b_03_7M	CO observations covering the entire N55, the best example of stochastic self-propagating star formation, in Super Giant Shell 4 in the LMC	Onishi	EA	7-m	3
21:10:20	21:50:30	2013.1.00722.S	SPT0346-_b_04_TE	A Full Inventory of the Molecular ISM in Two Starburst Galaxies at z=5.7	Aravena	CL	12-m	4
06:30:21	07:47:45	2013.1.01391.S	NGC6357__c_03_7M	NGC 6357: A Laboratory for Testing Modes of Star Formation	Faesi	NA	7-m	3
05:10:14	06:29:59	2013.1.01391.S	NGC6357__c_03_7M	NGC 6357: A Laboratory for Testing Modes of Star Formation	Faesi	NA	7-m	3
04:47:20	05:21:07	2013.1.00957.S	G9.62+0._a_06_TC	On the origin of the astonishing maser emission in G9.62+0.19 complex	Liu	CL	12-m	6
03:37:34	05:07:41	2013.1.01391.S	NGC6357__c_03_7M	NGC 6357: A Laboratory for Testing Modes of Star Formation	Faesi	NA	7-m	3

**2015-04-26**

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
15:54:51	16:47:47	2012.1.00108.S	NGC253_114.7_a_03_T P	A Deeper Look into the Life Cycle of the Molecular Gas in the Nearest Nuclear Starburst: GMCs, Molecular Superwind, and Feedback	Bolatto	NA	Total Power	3
15:03:50	15:28:43	2012.1.00108.S	NGC253_114.7_a_03_T P	A Deeper Look into the Life Cycle of the Molecular Gas in the Nearest Nuclear Starburst: GMCs, Molecular Superwind, and Feedback	Bolatto	NA	Total Power	3
12:51:39	13:39:01	2012.1.00108.S	3c454.3_114.7_a_03_TPA	A Deeper Look into the Life Cycle of the Molecular Gas in the Nearest Nuclear Starburst: GMCs, Molecular Superwind, and Feedback	Bolatto	NA	Total Power	3
12:01:59	12:51:15	2013.1.00269.S	3c454.3_SgrB2_a_03_T P	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
12:01:28	13:20:43	2013.1.01214.S	vMa2_a_06_TE	Imaging the Exo-Terrestrial	Farihi	EU	12-m	6

## Remnants Orbiting van Maanen's Star

11:17:10	11:48:24	2013.1.00269.S	SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
10:45:33	11:16:50	2013.1.00269.S	SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
10:13:43	10:45:05	2013.1.00269.S	SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
09:28:24	09:59:40	2013.1.00269.S	SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
08:56:45	09:28:01	2013.1.00269.S	SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
08:24:51	08:56:18	2013.1.00269.S	SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
07:52:18	08:24:20	2013.1.00269.S	SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
07:20:24	07:51:49	2013.1.00269.S	SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
06:48:46	07:20:02	2013.1.00269.S	SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
06:17:09	06:48:24	2013.1.00269.S	SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
05:44:03	06:15:20	2013.1.00269.S	SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
05:12:21	05:43:38	2013.1.00269.S	SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
04:40:15	05:11:57	2013.1.00269.S	SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
03:51:51	04:39:44	2012.1.00501.S	3c279_114.6_b_03_TP	The Coldest Object in the Universe: Probing the Mass Distribution of the Ultra-Cold Outflow and Dusty Disk in the Boomerang Nebula	Sahai	NA	Total Power	3
02:55:37	03:51:06	2012.1.00501.S	Boomeran_114.6_a_03_TP	The Coldest Object in the Universe: Probing the Mass Distribution of the Ultra-Cold Outflow and Dusty Disk in the Boomerang Nebula	Sahai	NA	Total Power	3
01:41:15	02:36:25	2012.1.00501.S	Boomeran_114.6_a_03_TP	The Coldest Object in the Universe: Probing the Mass Distribution of the Ultra-Cold Outflow and Dusty Disk in the Boomerang Nebula	Sahai	NA	Total Power	3
00:29:16	01:17:04	2012.1.00501.S	3c279_114.6_b_03_TP	The Coldest Object in the Universe: Probing the Mass Distribution of the Ultra-Cold Outflow and Dusty Disk in the Boomerang Nebula	Sahai	NA	Total Power	3

**2015-04-25**

<b>Start (UT)</b>	<b>End (UT)</b>	<b>Project Code</b>	<b>SchedBlock</b>	<b>Project Title</b>	<b>PI</b>	<b>Executive</b>	<b>Array</b>	<b>Band</b>
18:26:36	19:13:22	2013.1.00722.S	SPT0243-_b_04_TE	A Full Inventory of the Molecular ISM in Two Starburst Galaxies at z=5.7	Aravena	CL	12-m	4
17:33:46	18:30:18	2012.1.00603.S	N206D_7m	Tracing evolution of giant molecular clouds in the Large Magellanic Cloud	Kawamura	EA	7-m	3
16:07:06	17:32:56	2013.1.00356.S	ACT-CLJ0_a_03_7M	Gas Physics in "El Gordo," a massive merging cluster at z=0.87	Menanteau	NA	7-m	3
13:55:04	14:26:42	2013.1.01329.S	n613_a_03_TC	Feeding and Feedback in the central region of NGC 613	Miyamoto	EA	12-m	3
13:34:41	14:22:02	2012.1.00108.S	3c454.3_114.7_a_03_TPA	Deeper Look into the Life Cycle of the Molecular Gas in the Nearest Nuclear Starburst: GMCs, Molecular Superwind, and Feedback	Bolatto	NA	Total Power	3
12:42:57	13:32:20	2013.1.00269.S	3c454.3_SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
12:26:50	13:41:57	2013.1.00191.S	NGC253_a_03_TE	Blowin' in the Wind: the Properties of the Starburst-driven Wind in NGC 253	Bolatto	NA	12-m	3
11:47:40	12:18:51	2013.1.00269.S	SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
11:16:06	11:47:19	2013.1.00269.S	SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
10:47:58	11:36:43	2013.1.00312.S	G14.226-_a_03_TE	Probing Accretion Flows from Filaments to Massive Star-Forming Cores	Chen	EA	12-m	3

10:02:26	10:33:51	2013.1.00269.S	SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
09:49:50	10:43:08	2013.1.00312.S	G14.114-_a_03_TE	Probing Accretion Flows from Filaments to Massive Star-Forming Cores	Chen	EA	12-m	3
09:17:42	09:48:54	2013.1.00269.S	SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
08:45:40	09:16:56	2013.1.00269.S	SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
08:17:52	09:25:59	2013.1.01014.S	CMZ_Far-_a_03_TE	Low-Density Clouds on the Far-Side of the Galactic Center	Kauffmann	EU	12-m	3
08:13:39	08:45:21	2013.1.00269.S	SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
07:41:07	08:13:18	2013.1.00269.S	SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
07:08:51	07:40:28	2013.1.00269.S	SgrB2_a_03_TP	Sgr B2 - The Proving Ground for Star Formation Theories	Ginsburg	EU	Total Power	3
07:06:55	08:08:26	2013.1.01014.S	CMZ_Far-_a_03_TE	Low-Density Clouds on the Far-Side of the Galactic Center	Kauffmann	EU	12-m	3
06:20:50	07:08:27	2012.1.00501.S	3c279_114.6_b_03_TP	The Coldest Object in the Universe: Probing the Mass Distribution of the Ultra-Cold Outflow and Dusty Disk in the Boomerang Nebula	Sahai	NA	Total Power	3
05:47:53	07:05:48	2013.1.01194.S	SgrB2_S_a_03_TE	A CF+ survey of the diffuse medium in the inner galaxy	Gerin	EU	12-m	3
05:25:14	06:20:28	2012.1.00501.S	Boomeran_114.6_a_03_TP	The Coldest Object in the Universe: Probing the Mass Distribution of the Ultra-Cold Outflow and Dusty Disk in the Boomerang Nebula	Sahai	NA	Total Power	3
04:41:20	05:44:21	2013.1.00839.S	Oph_B2_a_06_TE	Revealing the Low-Mass End of the Core Mass Function in Rho Ophiuchus Star Forming Region	Nakamura	EA	12-m	6
04:24:41	05:22:02	2012.1.00538.S	G305_93_a_03_TP	The physical structure of a massive and dense cold core	Servajean	CL	Total Power	3
03:30:42	04:21:44	2012.1.00538.S	3c279_93_a_03_TP	The physical structure of a massive and dense cold core	Servajean	CL	Total Power	3
03:27:51	04:30:57	2013.1.00839.S	Oph_B2_a_06_TE	Revealing the Low-Mass End of the Core Mass Function in Rho Ophiuchus Star Forming Region	Nakamura	EA	12-m	6

## 2015-04-24

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
10:27:15	11:51:22	2013.1.01391.S	NGC6357__b_03_7M	NGC 6357: A Laboratory for Testing Modes of Star Formation	Faesi	NA	7-m	3
09:21:44	10:40:29	2013.1.00376.S	Saturn_a_03_TE	HCN emission: a diagnostic of Enceladus' cryovolcanic activity and torus dynamics	Lellouch	EU	12-m	3
07:35:05	08:32:27	2012.1.00538.S	G305_93_a_03_TP	The physical structure of a massive and dense cold core	Servajean	CL	Total Power	3
06:58:59	08:17:05	2013.1.00376.S	Saturn_a_03_TE	HCN emission: a diagnostic of Enceladus' cryovolcanic activity and torus dynamics	Lellouch	EU	12-m	3
06:41:05	07:34:36	2013.1.01312.S	M83_b_03_TP	Wide-field imaging of dense gas in the nearby barred galaxy M83	Hirota	EA	Total Power	3
05:43:08	06:40:33	2012.1.00538.S	G305_93_a_03_TP	The physical structure of a massive and dense cold core	Servajean	CL	Total Power	3
05:35:27	06:57:40	2013.1.00376.S	Saturn_a_03_TE	HCN emission: a diagnostic of Enceladus' cryovolcanic activity and torus dynamics	Lellouch	EU	12-m	3
04:50:53	05:42:41	2012.1.00538.S	3c279_93_a_03_TP	The physical structure of a massive and dense cold core	Servajean	CL	Total Power	3
04:09:52	05:34:19	2013.1.00376.S	Saturn_a_03_TE	HCN emission: a diagnostic of Enceladus' cryovolcanic activity and torus dynamics	Lellouch	EU	12-m	3
03:49:11	04:43:03	2013.1.01312.S	M83_b_03_TP	Wide-field imaging of dense gas in the nearby barred galaxy M83	Hirota	EA	Total Power	3
02:56:19	03:46:48	2013.1.01312.S	J1256-0547_a_03_TP	Wide-field imaging of dense gas in the nearby barred galaxy M83	Hirota	EA	Total Power	3
02:07:05	02:55:50	2012.1.00394.S	J1256-0547_b_03_TP	Revealing the Evolutionary Status of Candidate First Cores	Mardones	CL	Total Power	3
01:13:12	02:06:36	2013.1.01312.S	M83_b_03_TP	Wide-field imaging of dense gas in the nearby barred galaxy M83	Hirota	EA	Total Power	3

00:21:04	01:12:40	2012.1.00394.S	Cha-MMS1_b_03_TP	Revealing the Evolutionary Status of Candidate First Cores	Mardones	CL	Total Power	3
<b>2015-04-23</b>								
Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
23:03:13	23:54:39	2012.1.00394.S	Cha-MMS1_b_03_TP	Revealing the Evolutionary Status of Candidate First Cores	Mardones	CL	Total Power	3
22:10:11	23:01:52	2012.1.00394.S	Cha-MMS1_b_03_TP	Revealing the Evolutionary Status of Candidate First Cores	Mardones	CL	Total Power	3
20:59:09	21:38:13	2013.1.00722.S	SPT0346-_c_04_TE	A Full Inventory of the Molecular ISM in Two Starburst Galaxies at z=5.7	Aravena	CL	12-m	4
11:22:56	12:32:11	2013.1.01204.S	Snake-Mo_a_03_7M	Hierarchical Structures and Kinematics of a 30pc IR-dark Filament	Wang	EU	7-m	3
10:44:50	12:07:55	2013.1.00806.S	IRDC-A1_a_06_TE	Needles in the Cosmic Haystack - A Hunt for Massive Starless Cores	Tan	NA	12-m	6
09:23:01	10:32:17	2013.1.00308.S	w51_a_06_TE	Gas temperature and kinematics as key inputs for star formation theory: Cores and turbulence in the massive protocluster W51	Ginsburg	EU	12-m	6
07:23:14	08:34:03	2013.1.01299.S	Abell_22_a_06_TE	ALMA Observations of z~6.7-6.8 Galaxies with Strong Optical Nebular Emission: Re-Evaluating ALMA's Potential for Detecting z>6 Galaxies	Egami	NA	12-m	6
06:55:48	07:22:14	2013.1.00111.S	SgrB2_M_a_06_TE	The extreme UV through ALMA's eyes: a unique probe of the ionizing power of starbursts and super massive black holes	Scoville	NA	12-m	6
06:49:33	07:43:04	2013.1.01312.S	M83_b_03_TP	Wide-field imaging of dense gas in theHirota nearby barred galaxy M83		EA	Total Power	3
06:22:10	06:53:30	2013.1.00111.S	G332.825_a_06_TE	The extreme UV through ALMA's eyes: a unique probe of the ionizing power of starbursts and super massive black holes	Scoville	NA	12-m	6
05:50:25	06:21:19	2013.1.00111.S	G330.953_a_06_TE	The extreme UV through ALMA's eyes: a unique probe of the ionizing power of starbursts and super massive black holes	Scoville	NA	12-m	6
05:06:52	05:37:39	2013.1.00111.S	G328.807_a_06_TE	The extreme UV through ALMA's eyes: a unique probe of the ionizing power of starbursts and super massive black holes	Scoville	NA	12-m	6
04:55:53	05:49:21	2013.1.01312.S	M83_b_03_TP	Wide-field imaging of dense gas in theHirota nearby barred galaxy M83		EA	Total Power	3
04:01:42	04:55:22	2013.1.01312.S	M83_b_03_TP	Wide-field imaging of dense gas in theHirota nearby barred galaxy M83		EA	Total Power	3
03:42:51	05:06:30	2013.1.00612.S	hd_95086_a_06_TE	Imaging the Debris Disc Around the Planet Host Star HD 95086	Booth	CL	12-m	6
03:10:35	04:01:12	2013.1.01312.S	J1256-0547_a_03_TP	Wide-field imaging of dense gas in theHirota nearby barred galaxy M83		EA	Total Power	3
02:30:25	03:41:26	2013.1.01031.S	NTT474_a_06_TE	Tracing the reioniation epoch through millimeter spectroscopy	Pentericci	EU	12-m	6
02:02:11	02:47:19	2012.1.00394.S	J1256-0547_a_03_TP	Revealing the Evolutionary Status of Candidate First Cores	Mardones	CL	Total Power	3
01:08:59	02:26:07	2013.1.01031.S	NTT474_a_06_TE	Tracing the reioniation epoch through millimeter spectroscopy	Pentericci	EU	12-m	6
01:05:14	02:01:16	2012.1.00394.S	Cha-MMS1_a_03_TP	Revealing the Evolutionary Status of Candidate First Cores	Mardones	CL	Total Power	3
00:08:01	01:04:09	2012.1.00394.S	Cha-MMS1_a_03_TP	Revealing the Evolutionary Status of Candidate First Cores	Mardones	CL	Total Power	3
<b>2015-04-22</b>								
Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
23:43:21	00:53:30	2013.1.01255.S	SNR_0509_a_06_TE	Probing Cool Dust in the Type Ia Supernova Remnant 0509-67.5	Nozawa	EA	12-m	6
22:55:54	23:52:03	2012.1.00394.S	Cha-MMS1_a_03_TP	Revealing the Evolutionary Status of Candidate First Cores	Mardones	CL	Total Power	3
22:30:29	23:40:14	2013.1.01255.S	SNR_0509_a_06_TE	Probing Cool Dust in the Type Ia Supernova Remnant 0509-67.5	Nozawa	EA	12-m	6
11:32:06	11:54:23	2012.1.01029.S	Eyelash_B7_compact	50-pc resolution mapping of a unique strongly lensed z=2.3 sub-mm galaxy	Danielson	EU	12-m	7

09:54:47	11:30:13	2013.1.01058.S	SgrA_sta_a_07_TE	Irradiated Shocks and Ionisation Sources in the Central Parsec of the Milky Way	Goicoechea	EU	12-m	7
09:05:29	10:56:03	2013.1.01058.S	SgrA_sta_a_07_7M	Irradiated Shocks and Ionisation Sources in the Central Parsec of the Milky Way	Goicoechea	EU	7-m	7
08:31:20	09:43:43	2012.1.00178.S	L1689N_310GHz_12m_C32-1	Deuterated Ammonia in Prestellar Cores	Lis	NA	12-m	7
07:10:54	09:02:48	2013.1.01058.S	SgrA_sta_a_07_7M	Irradiated Shocks and Ionisation Sources in the Central Parsec of the Milky Way	Goicoechea	EU	7-m	7
07:03:10	08:30:51	2013.1.00359.S	61_Vir_a_07_TE	What lies outside super-Earth planetary systems?	Wyatt	EU	12-m	7
05:30:41	07:02:31	2013.1.00359.S	61_Vir_a_07_TE	What lies outside super-Earth planetary systems?	Wyatt	EU	12-m	7
04:41:20	05:33:16	2013.1.00327.S	G332.767_a_06_7M	The Evolution of Young HII regions	Klaassen	EU	7-m	6
03:58:29	05:30:19	2013.1.00359.S	61_Vir_a_07_TE	What lies outside super-Earth planetary systems?	Wyatt	EU	12-m	7
02:50:06	03:40:45	2013.1.01312.S	J1256-0547_a_03_TP	Wide-field imaging of dense gas in theHirota nearby barred galaxy M83		EA	Total Power	3
02:23:11	03:51:14	2013.1.00999.S	MACSJ114_a_06_TE	Lensing Through Cosmic Time: ALMA Bauer Constraints on "Normal"Galaxies in the HST Frontier Fields		CL	12-m	6
00:53:36	02:16:59	2013.1.00999.S	MACSJ114_a_06_TE	Lensing Through Cosmic Time: ALMA Bauer Constraints on "Normal"Galaxies in the HST Frontier Fields		CL	12-m	6

### 2015-04-21

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
23:09:13	00:33:49	2013.1.00815.S	WMH13_a_06_TE	Are low metallicity and dust mass common in high-redshift, UV-luminous starbursts?	Willott	NA	12-m	6
21:44:21	22:57:42	2013.1.00718.S	UDF1_h_06_TE	An ALMA 1.3 mm spectroscopic survey in the Hubble Ultra Deep Field	Aravena	CL	12-m	6
21:17:08	21:42:57	2013.1.00911.S	NGC1808_a_03_TC	Molecular gas conditions and shocks in the superwind of the starburst galaxy NGC 1808	Salak	EA	12-m	3