

**ALMA Observing Activity from 2016-06-20T17:59:00 to 2016-06-27T18:00:00**  
**QA0 pass executions**

**2016-06-21**

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
00:32:38	01:45:16	2015.1.01593.S	m83_a_07_7M	Multi CO line imaging of the nearby galaxy M83: Variation of cloud properties across the globular gas clouds dens alactic structures	Hirota	EA	7-m	7
00:34:14	01:34:53	2015.1.00476.S	NGC4945_a_07_TP	Dense Gas Thermometry of Starburst Mangum Galaxies		NA	Total Power	7
00:55:38	01:56:29	2015.1.00091.S	RXJ1347__a_06_TE	Breaking Cosmic Dawn: Studying z~7 Bradac Galaxies with ALMA		NA	12-m	6
01:36:26	02:36:33	2015.1.01593.S	m83_b_07_TP	Multi CO line imaging of the nearby galaxy M83: Variation of cloud properties across the globular gas clouds dens alactic structures	Hirota	EA	Total Power	7
01:53:06	02:54:25	2015.1.01593.S	m83_a_07_7M	Multi CO line imaging of the nearby galaxy M83: Variation of cloud properties across the globular gas clouds dens alactic structures	Hirota	EA	7-m	7
01:59:07	02:59:57	2015.1.00091.S	RXJ1347__a_06_TE	Breaking Cosmic Dawn: Studying z~7 Bradac Galaxies with ALMA		NA	12-m	6
03:04:38	04:29:48	2015.1.00550.S	CO-0.30-_a_07_7M	Collision-induced Star Formation in the Milky Way's Central Molecular Zone	Tanaka	EA	7-m	7
03:23:12	03:56:39	2015.1.00804.S	NGC_5257_b_06_TE	The Galaxy Merger Process: Molecular Gas Properties at the Beginning and the End	Sliwa	NA	12-m	6
03:58:46	04:38:10	2015.1.00964.S	HD163296_a_06_TE	The astrochemical evolution from disk Oberg formation to disk dissipation		NA	12-m	6
04:40:18	05:23:07	2015.1.00964.S	HD163296_a_06_TE	The astrochemical evolution from disk Oberg formation to disk dissipation		NA	12-m	6
04:45:21	06:12:31	2015.1.00959.S	G028.539_a_06_7M	A Systematic ALMA Survey of the Most Massive Starless Clumps within 5kpc	Shirley	NA	7-m	6
05:14:49	05:52:40	2015.1.00956.S	NGC_6744_a_06_TP	How Does Cloud-Scale Physics Drive Leroy Galaxy Evolution?		NA	Total Power	6
05:25:51	06:07:58	2015.1.00964.S	HD163296_a_06_TE	The astrochemical evolution from disk Oberg formation to disk dissipation		NA	12-m	6
06:09:09	06:50:48	2015.1.00964.S	HD163296_a_06_TE	The astrochemical evolution from disk Oberg formation to disk dissipation		NA	12-m	6
07:30:49	08:51:48	2015.1.00925.S	IC_5332_a_06_7M	Promoting Diversity: ISM Physics and Star Formation across Different Environments	Blanc	CL	7-m	6
07:36:11	08:13:56	2015.1.00956.S	NGC_6744_a_06_TP	How Does Cloud-Scale Physics Drive Leroy Galaxy Evolution?		NA	Total Power	6
08:47:38	09:46:11	2015.1.00263.S	IRAS_224_a_06_TE	Multi-phase outflows in ULIRGs: Mapping the massive cold component	Pereira Santaella	EU	12-m	6
08:53:46	10:08:42	2015.1.01296.S	NGC346-r_a_06_7M	Collisional star-formation in the SMC: NGC346	Muller	EA	7-m	6
09:06:41	09:38:28	2015.1.00196.S	SMC0N69_a_06_TP	Zooming in on the parsec-scale structure of CO gas at low metallicity and its relation to star formation	Roman-Duval	NA	Total Power	6
09:48:02	11:12:18	2015.1.00606.S	CFHQS_J0_a_06_TE	Redshift 6 host galaxies of 10 <sup>8</sup> solar mass black holes	Willott	NA	12-m	6
09:57:26	10:44:39	2015.1.01296.S	NGC346-r_b_06_TP	Collisional star-formation in the SMC: NGC346	Muller	EA	Total Power	6
10:13:46	11:28:51	2015.1.01296.S	NGC346-r_a_06_7M	Collisional star-formation in the SMC: NGC346	Muller	EA	7-m	6
10:46:46	11:34:00	2015.1.01296.S	NGC346-r_b_06_TP	Collisional star-formation in the SMC: NGC346	Muller	EA	Total Power	6
11:15:15	11:34:54	2015.1.00419.S	NGC0383_b_06_TE	WISDOM: Extending black hole demographics across the mass-size plane with ALMA	Davis	EU	12-m	6
11:47:08	12:57:34	2015.1.00025.S	B1b_a_06_TE	Zooming in onto the First Hydrostatic Core Candidate and young Class 0 in Barnard 1	Gerin	EU	12-m	6
13:11:00	14:21:17	2015.1.00025.S	B1b_a_06_TE	Zooming in onto the First Hydrostatic Core Candidate and young Class 0 in Barnard 1	Gerin	EU	12-m	6
14:34:15	15:16:33	2015.1.00690.S	UZ_Tau_a_06_TE	Validating Disk-based Dynamical Masses with Young Binaries	Andrews	NA	12-m	6

15:46:57	16:53:24	2015.1.00633.S	HD_32297_a_06_TE	Debris Disk Structure Disentangled	Weinberger	NA	12-m	6
20:04:58	21:01:15	2015.1.01559.S	SMMJ0658_a_06_TE	From Dust till Dark: Dissecting SMM J0658 the brightest strongly lensed galaxy behind the Bullet Cluster	Motta	CL	12-m	6
20:49:56	22:05:35	2015.1.00357.S	G286_a_1_06_7M	Kinematics of Massive Star Cluster in Tan Formation		NA	7-m	6
21:03:24	21:56:01	2015.1.01559.S	SMMJ0658_a_06_TE	From Dust till Dark: Dissecting SMM J0658 the brightest strongly lensed galaxy behind the Bullet Cluster	Motta	CL	12-m	6
22:00:34	23:20:33	2015.1.01068.S	HH46_IRS_a_06_TE	Outflow Entrainment in the Vicinity of the HH46/47 Protostar	Zhang	CL	12-m	6
22:07:17	23:30:10	2015.1.00357.S	G286_a_1_06_7M	Kinematics of Massive Star Cluster in Tan Formation		NA	7-m	6
23:23:12	00:27:04	2015.1.00813.S	10.342_J_a_06_TE	Linking the ISM to Star Formation During an Epoch of Active Evolution in Galaxy Clusters	Alberts	NA	12-m	6
23:30:35	00:52:00	2015.1.00357.S	G286_a_1_06_7M	Kinematics of Massive Star Cluster in Tan Formation		NA	7-m	6

## 2016-06-22

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
00:49:28	01:52:51	2015.1.00813.S	10.342_J_a_06_TE	Linking the ISM to Star Formation During an Epoch of Active Evolution in Galaxy Clusters	Alberts	NA	12-m	6
01:05:54	02:26:12	2015.1.01520.S	eso137-0_a_06_7M	Star formation and gas mixing in a multi-phase tail of the nearest jellyfish galaxy	Jachym	EU	7-m	6
01:53:28	02:52:13	2015.1.00813.S	10.22_ch_b_06_TE	Linking the ISM to Star Formation During an Epoch of Active Evolution in Galaxy Clusters	Alberts	NA	12-m	6
02:28:05	03:48:29	2015.1.01520.S	eso137-0_a_06_7M	Star formation and gas mixing in a multi-phase tail of the nearest jellyfish galaxy	Jachym	EU	7-m	6
03:20:04	03:53:19	2015.1.00075.S	PKS1830-_I_07_TE	Monitoring PKS1830-211: the submm activity of the blazar and the variability of the foreground absorption lines	Muller	EU	12-m	7
03:50:06	05:11:31	2015.1.01520.S	eso137-0_a_06_7M	Star formation and gas mixing in a multi-phase tail of the nearest jellyfish galaxy	Jachym	EU	7-m	6
04:17:22	05:09:22	2015.1.00878.S	NGC_5838_a_06_TE	Circumnuclear molecular disks in early-type galaxies as a probe of black hole masses: Expanding the sample	Barth	NA	12-m	6
05:13:31	06:41:06	2015.1.00959.S	G028.539_a_06_7M	A Systematic ALMA Survey of the Most Massive Starless Clumps within 5kpc	Shirley	NA	7-m	6
06:43:06	08:03:32	2015.1.00959.S	G028.539_a_06_7M	A Systematic ALMA Survey of the Most Massive Starless Clumps within 5kpc	Shirley	NA	7-m	6
08:40:50	10:02:30	2015.1.00258.S	NGC300_a_03_7M	The failure of galactic star formation relations on sub-galactic scales: A direct probe of the physics of star formation	Schruba	EU	7-m	3
10:18:07	11:44:07	2015.1.00258.S	NGC300_a_03_7M	The failure of galactic star formation relations on sub-galactic scales: A direct probe of the physics of star formation	Schruba	EU	7-m	3
10:44:47	12:04:08	2015.1.00606.S	CFHQS_J0_b_06_TE	Redshift 6 host galaxies of $10^8$ solar mass black holes	Willott	NA	12-m	6
12:01:46	13:10:50	2015.1.00665.S	0413_238_a_06_7M	After the Fall: Mapping the Molecular Fuel in Post-Starburst Galaxies	Smith	NA	7-m	6
12:16:29	12:35:59	2015.1.00419.S	NGC0449_a_06_TE	WISDOM: Extending black hole demographics across the mass-size plane with ALMA	Davis	EU	12-m	6
13:18:15	14:02:31	2015.1.00296.S	DM_Tau_a_06_TE	A First Deep Survey of Sulfur Chemistry in Protoplanetary Disks	Semenov	EU	12-m	6
14:07:22	15:17:24	2015.1.00025.S	B1b_a_06_TE	Zooming in onto the First Hydrostatic Core Candidate and young Class 0 in Barnard 1	Gerin	EU	12-m	6
14:36:23	15:28:29	2015.1.00340.S	MC27_a_06_TP	Investigating the dynamical interaction at the formation of a multiple star system	Tokuda	EA	Total Power	6
15:29:55	16:32:33	2015.1.01287.S	2MASS_J0_a_03_TE	Particle growth in disks across	Patience	NA	12-m	3

18:54:10	19:22:59	2015.1.00419.S	NGC2110_a_06_TC	the substellar limit WISDOM: Extending black hole demographics across the mass-size plane with ALMA	Davis	EU	12-m	6
19:05:31	19:50:48	2015.1.00357.S	G286_4_a_06_TP	Kinematics of Massive Star Cluster in Tan Formation		NA	Total Power	6
19:25:43	20:13:43	2015.1.01578.S	SPT0532-_a_06_TE	Resolving water emission in the early universe	Vieira	NA	12-m	6
19:53:47	20:32:45	2015.1.00846.S	IC_2520_a_06_TP	The end and the beginning of episodic AGN triggering in IC 2520	Farrah	NA	Total Power	6
20:15:40	21:24:50	2015.1.01578.S	SPT0538-_a_06_TE	Resolving water emission in the early universe	Vieira	NA	12-m	6
20:58:11	21:36:49	2015.1.00846.S	IC_2520_a_06_TP	The end and the beginning of episodic AGN triggering in IC 2520	Farrah	NA	Total Power	6
21:55:05	22:33:40	2015.1.00846.S	IC_2520_a_06_TP	The end and the beginning of episodic AGN triggering in IC 2520	Farrah	NA	Total Power	6
22:33:27	23:17:16	2015.1.00199.S	WISE_J10_a_07_TC	Proving the AGN feedback in the extremely IR-bright Dust Obscured Galaxies	Toba	EA	12-m	7
22:36:15	23:21:31	2015.1.00357.S	G286_5_a_06_TP	Kinematics of Massive Star Cluster in Tan Formation		NA	Total Power	6
23:23:56	00:09:11	2015.1.00357.S	G286_5_a_06_TP	Kinematics of Massive Star Cluster in Tan Formation		NA	Total Power	6
23:38:40	00:37:12	2015.1.00813.S	10.22_ch_b_06_TE	Linking the ISM to Star Formation During an Epoch of Active Evolution in Galaxy Clusters	Alberts	NA	12-m	6

### 2016-06-23

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
00:28:37	01:12:40	2015.1.00925.S	NGC_5068_a_06_TP	Promoting Diversity: ISM Physics and Star Formation across Different Environments	Blanc	CL	Total Power	6
01:13:14	01:57:04	2015.1.00925.S	NGC_5068_a_06_TP	Promoting Diversity: ISM Physics and Star Formation across Different Environments	Blanc	CL	Total Power	6
04:04:22	05:27:47	2015.1.00959.S	G028.539_a_06_7M	A Systematic ALMA Survey of the Most Massive Starless Clumps within 5kpc	Shirley	NA	7-m	6
05:28:09	06:52:08	2015.1.00959.S	G028.539_a_06_7M	A Systematic ALMA Survey of the Most Massive Starless Clumps within 5kpc	Shirley	NA	7-m	6
06:52:50	08:21:24	2015.1.00959.S	G028.539_a_06_7M	A Systematic ALMA Survey of the Most Massive Starless Clumps within 5kpc	Shirley	NA	7-m	6
08:47:04	09:18:11	2015.1.00274.S	NGC253_a_07_TP	A Close Look into the Blast Furnace: the Core of the NGC253 Starburst at One Parsec Resolution	Bolatto	NA	Total Power	7
11:33:04	12:28:08	2015.A.00009.S	Bo15Hz27_a_06_TE	[CII]line emission in a normal galaxy at z=7.36	Aravena	CL	12-m	6
12:12:07	13:14:24	2015.1.00274.S	NGC253_a_07_TP	A Close Look into the Blast Furnace: the Core of the NGC253 Starburst at One Parsec Resolution	Bolatto	NA	Total Power	7
12:37:32	13:52:14	2015.1.01037.S	RA03_44__a_06_TE	Dust and gas disk masses in the benchmark cluster IC348	Cieza	CL	12-m	6
13:15:07	14:17:50	2015.1.00274.S	NGC253_a_07_TP	A Close Look into the Blast Furnace: the Core of the NGC253 Starburst at One Parsec Resolution	Bolatto	NA	Total Power	7
14:33:24	15:25:03	2015.1.00340.S	MC27_a_06_TP	Investigating the dynamical interaction at the formation of a multiple star system	Tokuda	EA	Total Power	6
15:04:12	16:24:53	2015.1.01037.S	RA03_44__a_06_TE	Dust and gas disk masses in the benchmark cluster IC348	Cieza	CL	12-m	6
16:49:18	17:42:51	2015.1.00463.S	HFF2P-11_a_06_TE	Exploring the Earliest Epoch of the Massive Dust Production	Ouchi	EA	12-m	6
17:43:59	18:55:52	2015.1.00463.S	HFF2C-20_a_06_TE	Exploring the Earliest Epoch of the Massive Dust Production	Ouchi	EA	12-m	6
19:21:49	20:07:02	2015.1.00357.S	G286_5_a_06_TP	Kinematics of Massive Star Cluster in Tan Formation		NA	Total Power	6

### 2016-06-24

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
06:14:49	07:37:51	2015.1.00959.S	G028.539_a_06_7M	A Systematic ALMA Survey of the	Shirley	NA	7-m	6

06:16:26	07:19:17	2015.1.00223.S	serpens__a_06_TE	Most Massive Starless Clumps within 5kpc Revealing Fragmentation of the Nearest Precluster Clump in Serpens South	Nakamura	EA	12-m	6
07:20:31	08:43:17	2015.1.00183.S	IRDC_C_a_06_TE	The Pre-Stellar Core Mass Function with Deuterium Chemistry in an Infrared Dark Cloud	Kong	NA	12-m	6
08:23:08	09:44:50	2015.1.00258.S	NGC300_a_03_7M	The failure of galactic star formation relations on sub-galactic scales: A direct probe of the physics of star formation	Schruba	EU	7-m	3
09:20:51	10:41:16	2015.1.01543.T	spt2349_a_03_TE	Unlensed HyLIRG systems from the South Pole Telescope 2500deg <sup>2</sup> survey	Lacaille	NA	12-m	3
10:20:09	10:52:32	2015.1.00196.S	SMC2N66_a_06_TP	Zooming in on the parsec-scale structure of CO gas at low metallicity and its relation to star formation	Roman-Duval	NA	Total Power	6
10:55:18	11:50:51	2015.1.00665.S	0413_238_a_06_TP	After the Fall: Mapping the Molecular Fuel in Post-Starburst Galaxies	Smith	NA	Total Power	6
11:05:21	11:22:43	2015.1.00003.S	vv114_a_06_TE	SPATIALLY RESOLVED CO SLED IMAGING IN NEARBY LIRGS	Saito	EA	12-m	6
11:26:36	12:36:56	2015.1.00025.S	B1b_a_06_TE	Zooming in onto the First Hydrostatic Core Candidate and young Class 0 in Barnard 1	Gerin	EU	12-m	6
22:47:49	23:10:26	2015.1.00960.S	NGC_494_a_03_TE	SiO megamasers in AGN accretion disks	Pesce	NA	12-m	3
22:50:46	00:15:44	2015.1.00908.S	Thakeray_a_03_7M	Thackeray's Globules	Reipurth	NA	7-m	3
<b>2016-06-26</b>								
Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
22:43:47	23:19:45	2015.1.01590.S	Gal1_a_04_TE	Constraining the molecular gas content of normal star-forming galaxies at $3 < z < 3.5$	Cassata	CL	12-m	4
23:38:28	00:02:13	2015.1.00003.S	ngc6240_a_06_TE	SPATIALLY RESOLVED CO SLED IMAGING IN NEARBY LIRGS	Saito	EA	12-m	6
<b>2016-06-27</b>								
Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
00:04:01	00:26:30	2015.1.00960.S	ESO_269-_b_03_TE	SiO megamasers in AGN accretion disks	Pesce	NA	12-m	3
00:20:39	01:39:39	2015.1.01593.S	m83_b_07_7M	Multi CO line imaging of the nearby galaxy M83: Variation of cloud properties across the g observe gas clouds dens alactic structures	Hirota	EA	7-m	7
00:51:38	02:45:03	2015.1.01349.S	G9.62+0._a_07_TE	Magnetic fields in different evolutionary stages of massive star formation	Vlemmings	EU	12-m	7
01:45:17	03:05:08	2015.1.01593.S	m83_b_07_7M	Multi CO line imaging of the nearby galaxy M83: Variation of cloud properties across the g observe gas clouds dens alactic structures	Hirota	EA	7-m	7
02:45:28	04:27:29	2015.1.01349.S	G9.62+0._a_07_TE	Magnetic fields in different evolutionary stages of massive star formation	Vlemmings	EU	12-m	7
03:05:49	04:18:31	2015.1.01593.S	m83_b_07_7M	Multi CO line imaging of the nearby galaxy M83: Variation of cloud properties across the g observe gas clouds dens alactic structures	Hirota	EA	7-m	7
04:44:53	06:43:01	2015.1.01349.S	G9.62+0._a_07_TE	Magnetic fields in different evolutionary stages of massive star formation	Vlemmings	EU	12-m	7
04:58:58	06:30:17	2015.1.00550.S	CO-0.30-_a_07_7M	Collision-induced Star Formation in the Milky Way's Central Molecular Zone	Tanaka	EA	7-m	7
06:48:59	07:14:25	2015.1.00466.S	NGC6753_b_06_TE	The mm-Wave Interferometric Survey of Dark Object Masses (WISDOM): Increasing the number of supermassive black hole mass measurements with molecular gas using ALMA	Onishi	EA	12-m	6
07:17:20	08:39:14	2015.1.00183.S	IRDC_C_a_06_TE	The Pre-Stellar Core Mass Function with Deuterium	Kong	NA	12-m	6

## Chemistry in an Infrared Dark Cloud

08:50:50	10:11:42	2015.1.00274.S	NGC253_a_07_TC	A Close Look into the Blast Furnace: the Core of the NGC253 Starburst at One Parsec Resolution	Bolatto	NA	12-m	7
09:17:55	10:20:22	2015.1.00274.S	NGC253_a_07_TP	A Close Look into the Blast Furnace: the Core of the NGC253 Starburst at One Parsec Resolution	Bolatto	NA	Total Power	7
10:14:59	10:47:49	2015.1.00960.S	NGC_1068_b_03_TE	SiO megamasers in AGN accretion disks	Pesce	NA	12-m	3
10:58:22	11:27:34	2015.1.00598.S	NGC708_a_06_TE	WISDOM: CO Imaging of SMBH Mass Measurement Candidates	Bureau	EU	12-m	6
11:29:51	12:44:43	2015.1.01037.S	RA03_44__a_06_TE	Dust and gas disk masses in the benchmark cluster IC348	Cieza	CL	12-m	6
12:03:53	13:00:37	2015.1.00274.S	NGC253_a_07_TP	A Close Look into the Blast Furnace: the Core of the NGC253 Starburst at One Parsec Resolution	Bolatto	NA	Total Power	7