

**ALMA Observing Activity from 2016-12-19T17:59:00 to 2016-12-26T18:00:00**  
**QA0 pass executions**

**2016-12-25**

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
12:04:22	12:54:21	2016.1.00991.S	NGC_5331_b_03_TM2	High Resolution Imaging of the Diffuse and Dense Gas in the Early Stage Merging Galaxy NGC 5331	Michiyama	EA	12-m	3
11:39:41	12:42:39	2016.1.00645.S	AGAL333_a_03_7M	Massive and dense clumps in early stages of evolution: mass distribution and turbulence	Garay	CL	7-m	3
11:06:32	12:03:45	2016.1.00177.S	IRAS_F12_a_03_TM1	Identifying molecular outflows in our neighborhood	Lutz	EU	12-m	3
10:03:18	11:39:12	2016.1.01107.S	Cl_J1449_a_03_7M	Hot (gas) physics with ALMA: SZ observation of a z=2 galaxy cluster	Gobat	EA	7-m	3
10:02:08	11:05:31	2016.1.00164.S	M83_b_03_TM1	Chemical Diagnostics of Extragalactic Harada ISM: Shock-Induced Evolution in M83 Nucleus		EA	12-m	3
08:34:57	09:37:40	2016.1.00164.S	M83_a_03_TM1	Chemical Diagnostics of Extragalactic Harada ISM: Shock-Induced Evolution in M83 Nucleus		EA	12-m	3
07:45:31	08:34:35	2016.1.00714.S	J1147-67_a_03_TM1	Chameleon's Dark Neutral Matter	Liszt	NA	12-m	3
06:39:02	07:45:12	2016.1.01043.S	Abell_61_a_03_TM1	Determining the Physical State of TwoMason Massive, Dynamically Ambiguous Galaxy Clusters		NA	12-m	3
05:32:29	06:38:48	2016.1.01043.S	Abell_61_a_03_TM1	Determining the Physical State of TwoMason Massive, Dynamically Ambiguous Galaxy Clusters		NA	12-m	3
04:15:29	05:32:01	2016.1.01288.S	FJ085403_a_04_TM1	The molecular gas properties of radio-Best AGN at z~0.6		EU	12-m	4
03:34:43	04:15:09	2016.1.00782.S	N159S_b_03_TM1	What hinders massive star formation in a massive quiescent giant molecular cloud at low metallicity	Chen	EU	12-m	3
02:07:43	03:15:35	2016.1.00681.S	OMC2-FIR_a_03_TM1	Are hydrogen and nitrogen isotope fractionations related in Sun-like protoclusters?	Fontani	EU	12-m	3

**2016-12-24**

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
12:04:28	12:36:17	2016.1.01340.S	H1429002_a_03_TM1	ALMA as a sensitive probe of the stellar IMF and star-formation mode across the cosmic time	Zhang	EU	12-m	3
11:43:07	12:03:35	2016.1.00387.S	NGC4418_a_06_TM2	Spectral Scan on A Compact Obscured Nucleus	Sakamoto	EA	12-m	6
11:07:12	11:42:43	2016.1.00254.S	NGC5643_a_06_TM2	Nuclear cold molecular gas, star formation, and the dusty torus of nearby Seyfert galaxies	Alonso-Herrero	EU	12-m	6
10:39:07	12:13:30	2016.1.00928.S	Lup1-4_a_06_TP	Early Stages of Dense Core Evolution	Tachihara	EA	Total Power	6
10:27:16	12:06:55	2016.1.00164.S	M83_a_06_7M	Chemical Diagnostics of Extragalactic Harada ISM: Shock-Induced Evolution in M83 Nucleus		EA	7-m	6
10:02:28	11:06:53	2016.1.01423.S	J1202-00_a_06_TM1	Probing the star forming nature and co-evolutionary relations of low-luminosity quasars at z >~ 6	Izumi	EA	12-m	6
09:27:49	10:02:03	2016.1.00952.S	HE1353-1_a_03_TM2	Resolving molecular outflows in nearby luminous AGN from the CARS survey	Tremblay	NA	12-m	3
09:26:37	10:13:08	2016.1.00386.S	M83_e_06_TP	Molecular Clouds and Star Formation: Across M83	Sakamoto	EA	Total Power	6
07:59:07	09:13:10	2016.1.00714.S	J0942-77_a_03_TM1	Chameleon's Dark Neutral Matter	Liszt	NA	12-m	3
07:19:30	07:58:45	2016.1.00504.S	NGC_4038_a_04_TM2	Molecular shocks in the nuclear region of NGC 4038 (Antennae galaxies)	Ueda	NA	12-m	4
06:12:03	07:19:07	2016.1.01609.S	Southern_a_03_TM1	Physical properties of massive star-forming clumps in the Carina Nebula	Guzman-Fernandez	CL	12-m	3
04:54:55	06:11:44	2016.1.01609.S	Southern_a_03_TM1	Physical properties of massive star-forming clumps in the Carina Nebula	Guzman-Fernandez	CL	12-m	3
03:44:50	04:52:44	2016.1.00681.S	OMC2-FIR_a_03_TM1	Are hydrogen and nitrogen isotope fractionations related in Sun-like protoclusters?	Fontani	EU	12-m	3
02:49:30	03:44:21	2016.1.00240.S	L1544_a_03_TM1	On the brink of star formation	Caselli	EU	12-m	3

01:26:24	02:49:11	2016.1.01287.S	GRH_nort_a_04_TM1	Confirming a massive proto-cluster of submm galaxies at $z \sim 6$ discovered by ALMA	Oteo	EU	12-m	4
<b>2016-12-23</b>								
Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
21:41:35	22:57:59	2016.1.01287.S	GRH_nort_a_04_TM1	Confirming a massive proto-cluster of submm galaxies at $z \sim 6$ discovered by ALMA	Oteo	EU	12-m	4
20:54:35	21:39:16	2016.1.00026.S	EP_Aqr_a_03_TM2	Mapping the wind structure and kinematics of the AGB star EP Aqr	Le Bertre	EU	12-m	3
11:27:57	12:06:03	2016.1.00991.S	NGC_5331_a_03_TM2	High Resolution Imaging of the Diffuse and Dense Gas in the Early Stage Merging Galaxy NGC 5331	Michiyama	EA	12-m	3
10:24:02	11:27:25	2016.1.00164.S	M83_a_03_TM1	Chemical Diagnostics of Extragalactic ISM: Shock-Induced Evolution in M83 Nucleus	Harada	EA	12-m	3
10:16:46	11:44:45	2016.1.00801.S	AGAL320_b_03_7M	The origin of high-mass star-forming regions: role of filaments and global collapse	Giannetti	EU	7-m	3
08:28:38	09:42:30	2016.1.00329.S	1J091205_a_03_TM1	Testing the cold ISM removal mechanism in passive galaxies	Michaowski	EU	12-m	3
07:46:57	08:08:50	2016.1.00952.S	HE1108-2_a_03_TM2	Resolving molecular outflows in nearby luminous AGN from the CARS survey	Tremblay	NA	12-m	3
06:40:20	07:46:40	2016.1.00329.S	1J091205_a_03_TM1	Testing the cold ISM removal mechanism in passive galaxies	Michaowski	EU	12-m	3
05:33:23	06:40:04	2016.1.00329.S	1J091205_a_03_TM1	Testing the cold ISM removal mechanism in passive galaxies	Michaowski	EU	12-m	3
04:24:57	05:32:53	2016.1.00681.S	OMC2-FIR_a_03_TM1	Are hydrogen and nitrogen isotope fractionations related in Sun-like protoclusters?	Fontani	EU	12-m	3
03:29:42	04:24:25	2016.1.00240.S	L1544_a_03_TM1	On the brink of star formation	Caselli	EU	12-m	3
02:06:37	03:29:07	2016.1.00215.S	ngc253_a_03_TM1	Determination of the $^{12}\text{C}/^{13}\text{C}$ isotopic ratio in the nearby starburst galaxy NGC 253	Muraoka	EA	12-m	3
01:35:16	02:06:19	2016.1.00819.T	GRB16121_b_03_TM1	Gamma-ray Burst Physics with ALMA: Direct Implications for the Explosions and Progenitors	Laskar	NA	12-m	3
00:48:46	01:15:43	2016.1.00292.S	NGC253_b_03_TM1	A final answer on the carbon isotopic ratio in starburst environments with ALMA	Martin	EU	12-m	3
<b>2016-12-22</b>								
Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
23:18:40	00:37:35	2016.1.00564.S	ALESS005_d_03_TM1	Gas mass fractions in $z>3$ main sequence galaxies from ALESS	Weiss	EU	12-m	3
22:44:53	23:15:53	2016.1.00952.S	HE0232-0_a_03_TM2	Resolving molecular outflows in nearby luminous AGN from the CARS survey	Tremblay	NA	12-m	3
20:58:36	22:15:12	2016.1.00215.S	ngc253_a_03_TM1	Determination of the $^{12}\text{C}/^{13}\text{C}$ isotopic ratio in the nearby starburst galaxy NGC 253	Muraoka	EA	12-m	3
19:00:03	20:13:01	2016.1.01146.S	G14.114-_a_03_TP	Assessing Stability of Filamentary Accretion Flows around the Protocluster G14.114-0.574	Chen	EA	Total Power	3
18:59:27	20:33:55	2016.1.01363.S	CloudH_a_03_7M	Widespread SiO in IRDCs: Cloud-Cloud Collision Formation of Molecular Cloud Filaments?	Jimenez-Serra	EU	7-m	3
18:57:51	20:10:13	2016.1.00005.S	OH30.1-0_a_03_TM1	The evolutionary conundrum of the superwind phase of oxygen-rich asymptotic giant branch stars	Lombaert	EU	12-m	3
12:11:26	12:32:08	2016.1.00387.S	NGC4418_b_06_TM2	Spectral Scan on A Compact Obscured Nucleus	Sakamoto	EA	12-m	6
11:46:11	12:11:03	2016.1.01481.S	4C_00.58_a_06_TM2	Measuring the Spectral Evolution, Structure, and Speed of Extragalactic Jets with ALMA	Meyer	NA	12-m	6
11:20:26	13:12:58	2016.1.01346.S	AGAL327_a_06_TP	Galactic Census of All Massive Starless Cores within 5 kpc	Pillai	EU	Total Power	6
11:07:37	12:35:22	2016.1.00801.S	AGAL320_b_03_7M	The origin of high-mass star-forming regions: role of filaments and global collapse	Giannetti	EU	7-m	3
10:36:38	11:40:29	2016.1.00386.S	M83_e_06_TM1	Molecular Clouds and Star Formation Across M83	Sakamoto	EA	12-m	6
09:42:04	10:25:44	2016.1.00804.S	RAGN-2_a_06_TM1	Radio-luminous AGN through ALMA's Stanley eyes: What is the effect of luminous radio activity on star	Stanley	EU	12-m	6

09:28:54	11:20:06	2016.1.01346.S	AGAL327._a_06_TP	Galactic Census of All Massive Starless Cores within 5 kpc	Pillai	EU	Total Power	6
09:12:40	10:56:41	2016.1.00386.S	M83_e_06_7M	Molecular Clouds and Star Formation: Sakamoto Across M83		EA	7-m	6
08:54:50	09:41:46	2016.1.00567.S	2-14723_c_03_TM1	When the Very Large Telescope is not large enough: spectroscopic identification of z~4 massive galaxies	Schreiber	EU	12-m	3
08:17:14	08:54:33	2016.1.00567.S	2-14723_d_03_TM1	When the Very Large Telescope is not large enough: spectroscopic identification of z~4 massive galaxies	Schreiber	EU	12-m	3
07:39:35	08:16:55	2016.1.00567.S	2-14723_a_03_TM1	When the Very Large Telescope is not large enough: spectroscopic identification of z~4 massive galaxies	Schreiber	EU	12-m	3
07:23:19	07:38:26	2016.1.01481.S	PKS_1045_a_06_TM2	Measuring the Spectral Evolution, Structure, and Speed of Extragalactic Jets with ALMA	Meyer	NA	12-m	6
06:09:43	06:53:05	2016.1.00567.S	2-14723_b_03_TM1	When the Very Large Telescope is not large enough: spectroscopic identification of z~4 massive galaxies	Schreiber	EU	12-m	3
05:00:33	06:09:16	2016.1.00329.S	1J091205_a_03_TM1	Testing the cold ISM removal mechanism in passive galaxies	Michaowski	EU	12-m	3
04:36:53	04:59:18	2016.1.00952.S	HE0433-1_a_03_TM2	Resolving molecular outflows in nearby luminous AGN from the CARS survey	Tremblay	NA	12-m	3
03:15:21	04:36:23	2016.1.00240.S	L1544_b_03_TM1	On the brink of star formation	Caselli	EU	12-m	3
01:52:25	03:14:48	2016.1.01287.S	GRH_nort_a_04_TM1	Confirming a massive proto-cluster of submm galaxies at z ~ 6 discovered by ALMA	Oteo	EU	12-m	4
<b>2016-12-21</b>								
Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
23:02:31	00:18:45	2016.1.01287.S	GRH_nort_a_04_TM1	Confirming a massive proto-cluster of submm galaxies at z ~ 6 discovered by ALMA	Oteo	EU	12-m	4
14:52:38	15:05:19	2016.1.00166.S	ActiveSu_a_03_TP	Measuring the Chromospheric Thermal Structure in Active Regions on the Sun	Fleishman	NA	Total Power	3
14:39:55	14:52:24	2016.1.00166.S	ActiveSu_a_03_TP	Measuring the Chromospheric Thermal Structure in Active Regions on the Sun	Fleishman	NA	Total Power	3
14:27:03	14:39:38	2016.1.00166.S	ActiveSu_a_03_TP	Measuring the Chromospheric Thermal Structure in Active Regions on the Sun	Fleishman	NA	Total Power	3
14:13:58	14:26:48	2016.1.00166.S	ActiveSu_a_03_TP	Measuring the Chromospheric Thermal Structure in Active Regions on the Sun	Fleishman	NA	Total Power	3
11:53:33	12:23:17	2016.1.01340.S	NA.v1.14_a_03_TM1	ALMA as a sensitive probe of the stellar IMF and star-formation mode across the cosmic time	Zhang	EU	12-m	3
11:26:41	12:43:49	2016.1.00843.S	n5846_a_06_7M	CO and AGN feedback in massive galaxies	Temi	NA	7-m	6
11:18:02	11:40:46	2016.1.01454.S	UVISTA-1_e_06_TM1	Unveiling the Dustiest Galaxies in the Universe with ALMA	Muzzin	EU	12-m	6
10:47:49	11:26:21	2016.1.00701.S	Jupiter_a_03_7M	ALMA maps of Jupiter during the Juno era	de Pater	NA	7-m	3
10:23:35	11:17:44	2016.1.00386.S	M83_c_06_TM1	Molecular Clouds and Star Formation: Sakamoto Across M83		EA	12-m	6
08:43:28	09:14:41	2016.1.01454.S	UVISTA-1_a_06_TM1	Unveiling the Dustiest Galaxies in the Universe with ALMA	Muzzin	EU	12-m	6
07:26:34	08:32:19	2016.1.01055.S	Hen_2-11_a_06_TM1	Rising from the Dead: Planet Formation and Disk Evolution around Evolved Stars	Schreiber	CL	12-m	6
06:07:21	07:12:50	2016.1.00773.S	1A0620-0_a_06_TM1	THE MM SPECTRUM OF QUIESCENT BLACK HOLE X-RAY BINARIES	Gallo	NA	12-m	6
04:35:12	06:04:57	2016.1.00324.L	UDF_mosa_b_03_TM1	ASPECS: The ALMA SPECTral line Survey in the UDF - An ALMA Large Program	Walter	CL EU NA	12-m	3
03:19:13	04:34:46	2016.1.00324.L	UDF_mosa_e_03_TM1	ASPECS: The ALMA SPECTral line Survey in the UDF - An ALMA Large Program	Walter	CL EU NA	12-m	3
02:38:47	03:18:33	2016.1.01541.S	L1527_a_03_TM1	Feeding the protoplanetary disk: resolving the 1000 au kinematics	Harsono	EU	12-m	3

02:17:46	02:38:27	2016.1.00437.S	NGC1387_b_06_TM1	WISDOM: Extending black hole demographics across the mass-size plane with ALMA	Davis	EU	12-m	6
01:42:10	02:13:19	2016.1.00819.T	GRB16121_a_03_TM1	Gamma-ray Burst Physics with ALMA:Laskar Direct Implications for the Explosions and Progenitors		NA	12-m	3

### 2016-12-20

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
23:17:36	00:59:02	2016.1.00324.L	UDF_mosa_b_03_TM1	ASPECS: The ALMA SPECTral line Survey in the UDF - An ALMA Large Program	Walter	CL EU NA	12-m	3
20:46:42	22:02:57	2016.1.00215.S	ngc253_a_03_TM1	Determination of the 12C/13C isotopic Muraoka ratio in the nearby starburst galaxy NGC 253		EA	12-m	3
20:21:07	21:36:20	2016.1.00620.S	W49N_a_06_TP	The Core Mass Function and its Evolution in an Extreme Protocluster	Ginsburg	EU	Total Power	6
20:20:33	21:51:28	2016.1.00345.S	IRAS_185_a_03_7M	The Disk/Flow System in the Massive Protostar IRAS 18566+0408	Hofner	NA	7-m	3
15:23:49	16:32:29	2016.1.01013.S	Stone_Cl_a_06_TP	Testing a New Mode for Cloud Collapse in Galaxy Centers	Battersby	NA	Total Power	6
11:26:21	11:59:27	2016.1.01141.S	AzTEC-lu_a_06_7M	Formation and Evolutionary Processes of Low-mass YSOs in Lupus	Takahashi	EA	7-m	6
11:12:16	12:47:01	2016.1.00319.S	EES2009__a_06_TP	Comparing two externally irradiated protostars in Ophiuchus	Lindberg	NA	Total Power	6
11:01:19	12:05:40	2016.1.01073.S	3C273_a_06_TM1	Probing the magnetic fields at the base of relativistic jets through Faraday rotation observations	Hovatta	EU	12-m	6
10:00:15	11:11:18	2016.1.00386.S	M83_e_06_TP	Molecular Clouds and Star Formation: Across M83	Sakamoto	EA	Total Power	6
09:58:42	11:25:36	2016.1.00386.S	M83_e_06_7M	Molecular Clouds and Star Formation: Across M83	Sakamoto	EA	7-m	6
09:27:55	10:44:35	2016.1.01073.S	3C273_a_06_TM1	Probing the magnetic fields at the base of relativistic jets through Faraday rotation observations	Hovatta	EU	12-m	6
09:04:14	09:25:55	2016.1.00804.S	RAGN-4_a_06_TM1	Radio-luminous AGN through ALMA's Stanley eyes: What is the effect of luminous radio activity on star formation?		EU	12-m	6
08:24:28	08:42:32	2016.1.00804.S	RAGN-8_a_06_TM1	Radio-luminous AGN through ALMA's Stanley eyes: What is the effect of luminous radio activity on star formation?		EU	12-m	6
07:41:52	08:23:59	2016.1.00804.S	RAGN-1_a_06_TM1	Radio-luminous AGN through ALMA's Stanley eyes: What is the effect of luminous radio activity on star formation?		EU	12-m	6
06:26:34	07:32:22	2016.1.00773.S	1A0620-0_a_06_TM1	THE MM SPECTRUM OF QUIESCENT BLACK HOLE X-RAY BINARIES	Gallo	NA	12-m	6
06:04:32	06:26:06	2016.1.00654.S	SPT0345-_a_07_TM1	[NII] 205 um at z~3-5.7	Brisbin	CL	12-m	7
05:27:04	06:02:39	2016.1.00654.S	SPT0418-_a_07_TM1	[NII] 205 um at z~3-5.7	Brisbin	CL	12-m	7
04:13:23	05:19:51	2016.1.00773.S	1A0620-0_a_06_TM1	THE MM SPECTRUM OF QUIESCENT BLACK HOLE X-RAY BINARIES	Gallo	NA	12-m	6
04:08:01	05:39:44	2016.1.00782.S	N159S_a_03_7M	What hinders massive star formation in a massive quiescent giant molecular cloud at low metallicity	Chen	EU	7-m	3
03:51:28	04:10:23	2016.1.00654.S	SPT0441-_a_06_TM1	[NII] 205 um at z~3-5.7	Brisbin	CL	12-m	6
02:15:44	03:32:52	2016.1.00324.L	UDF_mosa_e_03_TM1	ASPECS: The ALMA SPECTral line Survey in the UDF - An ALMA Large Program	Walter	CL EU NA	12-m	3

### 2016-12-19

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
23:21:52	01:02:39	2016.1.00324.L	UDF_mosa_d_03_TM1	ASPECS: The ALMA SPECTral line Survey in the UDF - An ALMA Large Program	Walter	CL EU NA	12-m	3
19:41:36	21:05:04	2016.1.00641.S	10199_Ch_a_06_TP	Search for gas emission from Centaur Chariklo	Leiva	CL	Total Power	6
19:41:08	20:42:23	2016.1.01489.T	Venus_b_07_7M	Study of a bow-type structure of	Maezawa	EA	7-m	7

Venus atmosphere discovered by the  
Venus Climate Orbiter, AKATSKI