

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

2015-06-30

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|----------------|-------------------------|--|----------|-----------|-------------|------|
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 01:13:22 | 01:45:52 | 2012.1.00317.S | Arp220_C6_3 | Gauging Deeply Hidden Nuclei of Arp 220 | Sakamoto | EA | 12-m | 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 |
| 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 |

2015-06-29

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|----------------|--------------------------------|--|--------------|-----------|-------------|------|
| 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 |
| 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 |
| 23:11:46 | 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 |
| 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 |
| 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 | Cernicharo | EU | 12-m | 3 |

| 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 | |
|-------------------|----------|----------------|-------------------------|--|------------|-----------|-------------|------|--|
| 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 | |
| 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 | |
| 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 | |
| 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 | |
| 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 | |
| 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 | |
| 04:10:43 | 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 | |
| 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 | |
| 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 | |
| 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 | |
| 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 | |
| 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 | |
| 2015-06-28 | | | | | | | | | |
| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band | |
| 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 | |
| 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 | |
| 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 | |
| 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 | |
| 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 | |
| 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 | |
| 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 | |
| 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 | |
| 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 | |
| 16:32:53 | 18:04:00 | 2013.1.00156.S | VY_CM_a_07_TE | Dust nucleation in oxygen-rich envelopes of two evolved stars, VY CMa & Mira | Kaminski | EU | 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 starburst galaxy NGC 1808 | Salak | EA | 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 | |
| 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 | |

| 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 |
|-------------------|----------|----------------|-------------------------|---|--------------------|-----------|-------------|------|
| 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 |
| 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 |
| 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 |
| 10:20:29 | 11:49:47 | 2013.1.00740.S | wv114_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 |
| 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 |
| 08:53:41 | 10:19:56 | 2013.1.00740.S | wv114_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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 2015-06-27 | | | | | | | | |
| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 | Ivion | EU | 12-m | 7 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |

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| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|----------------|-----------------------------------|---|------------------|-----------|-------|------|
| 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 |
| 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 |
| 10:30:08 | 12:25:38 | 2012.1.00245.S | SXDF_MultiSource_Band7_Cont | Spatially Resolved Mode of Star Formation in Halpha emitters at z>2 | Tadaki | EA | 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 | Kohno | EA | 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 |
| 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 |

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| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|----------------|-------------------------------|--|--------------|-----------|-------|------|
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |

2015-06-24

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|----------------|-------------------------------|--|--------------|-----------|-------|------|
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |