

**ALMA Observing Activity from 2015-03-31T18:00:00 to 2015-04-07T17:59:00**  
**QA0 pass executions**

**2015-04-07**

| Start (UT) | End (UT) | Project Code   | SchedBlock         | Project Title   | PI         | Executive | Array       | Band |
|------------|----------|----------------|--------------------|---|------------|-----------|-------------|------|
| 08:04:05   | 08:57:29 | 2013.1.01312.S | M83_b_03_TP        | Wide-field imaging of dense gas in theHirota nearby barred galaxy M83 |            | EA        | Total Power | 3    |
| 06:55:32   | 07:48:51 | 2013.1.01312.S | M83_b_03_TP        | Wide-field imaging of dense gas in theHirota nearby barred galaxy M83 |            | EA        | Total Power | 3    |
| 06:01:53   | 06:55:16 | 2013.1.01312.S | M83_b_03_TP        | Wide-field imaging of dense gas in theHirota nearby barred galaxy M83 |            | EA        | Total Power | 3    |
| 05:41:14   | 06:29:12 | 2013.1.00668.S | BX453_a_04_TE      | Probing the Gas Excitation in high redshift Main Sequence Galaxies    | Weiss      | EU        | 12-m        | 4    |
| 04:57:37   | 05:47:52 | 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    |
| 03:57:28   | 04:47:44 | 2012.1.00382.S | 3C279_b_03_TP      | Outflow Entrainment and Core Dispersal in HH46/47                     | Mardones   | CL        | Total Power | 3    |
| 02:49:00   | 03:42:14 | 2013.1.01312.S | M83_b_03_TP        | Wide-field imaging of dense gas in theHirota nearby barred galaxy M83 |            | EA        | Total Power | 3    |
| 02:05:39   | 03:22:39 | 2013.1.01031.S | NTT474_a_06_TE     | Tracing the reioniation epoch through millimeter spectroscopy         | Pentericci | EU        | 12-m        | 6    |
| 01:53:49   | 02:47:05 | 2013.1.01312.S | M83_b_03_TP        | Wide-field imaging of dense gas in theHirota nearby barred galaxy M83 |            | EA        | Total Power | 3    |
| 00:59:32   | 01:52:43 | 2013.1.01312.S | M83_b_03_TP        | Wide-field imaging of dense gas in theHirota nearby barred galaxy M83 |            | EA        | Total Power | 3    |
| 00:00:58   | 00:44:25 | 2012.1.00382.S | HH46-47_d_03_TP    | Outflow Entrainment and Core Dispersal in HH46/47                     | Mardones   | CL        | Total Power | 3    |

**2015-04-06**

| Start (UT) | End (UT) | Project Code   | SchedBlock         | Project Title  | PI       | Executive | Array       | Band |
|------------|----------|----------------|--------------------|--|----------|-----------|-------------|------|
| 23:15:29   | 23:59:07 | 2012.1.00382.S | HH46-47_d_03_TP    | Outflow Entrainment and Core Dispersal in HH46/47  | Mardones | CL        | Total Power | 3    |
| 22:37:33   | 23:51:11 | 2013.1.00165.S | HH_212_a_04_TE     | The metamorphoses of Fe and the elusive FeO  | Dionatos | EU        | 12-m        | 4    |
| 21:44:02   | 22:27:31 | 2012.1.00382.S | HH46-47_d_03_TP    | Outflow Entrainment and Core Dispersal in HH46/47  | Mardones | CL        | Total Power | 3    |
| 21:19:51   | 22:36:42 | 2013.1.00836.S | ZFOURGE__b_04_TE   | Gas-Mass Evolution in Milky Way Progenitors at z~1.3                                       | Papovich | NA        | 12-m        | 4    |
| 20:46:51   | 21:15:07 | 2012.1.00382.S | HH46-47_d_03_TP    | Outflow Entrainment and Core Dispersal in HH46/47  | Mardones | CL        | Total Power | 3    |
| 09:59:31   | 11:08:25 | 2013.1.00857.S | Circumnu_b_06_TE   | The Density (and Destiny) of the Circumnuclear Disk  | Mills    | NA        | 12-m        | 6    |
| 08:41:27   | 09:44:46 | 2013.1.00857.S | Circumnu_a_06_TE   | The Density (and Destiny) of the Circumnuclear Disk  | Mills    | NA        | 12-m        | 6    |
| 08:09:23   | 09:02:45 | 2013.1.01312.S | M83_b_03_TP        | Wide-field imaging of dense gas in theHirota nearby barred galaxy M83                      |          | EA        | Total Power | 3    |
| 07:48:37   | 08:38:27 | 2013.1.00726.S | Serpens__a_06_TC   | Probing magnetic fields in the inner envelopes of Class 0 protostars via dust polarization | Hull     | NA        | 12-m        | 6    |
| 07:00:48   | 07:54:07 | 2013.1.01312.S | M83_b_03_TP        | Wide-field imaging of dense gas in theHirota nearby barred galaxy M83                      |          | EA        | Total Power | 3    |
| 06:14:26   | 07:36:57 | 2013.1.00276.S | MSDM_71-_a_07_TE   | Physical Properties of Galaxies that Ionize the Universe                                   | Martin   | NA        | 12-m        | 7    |
| 05:58:44   | 06:46:06 | 2013.1.00857.S | J1256-0547_a_03_TP | The Density (and Destiny) of the Circumnuclear Disk  | Mills    | NA        | Total Power | 3    |
| 05:06:03   | 05:58:14 | 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    |
| 05:00:47   | 06:12:09 | 2013.1.00276.S | MSDM_29._a_07_TE   | Physical Properties of Galaxies that Ionize the Universe                                   | Martin   | NA        | 12-m        | 7    |
| 04:13:22   | 05:04:27 | 2012.1.00382.S | 3C279_b_03_TP      | Outflow Entrainment and Core Dispersal in HH46/47  | Mardones | CL        | Total Power | 3    |
| 03:28:40   | 04:48:23 | 2013.1.00773.S | HD95086_a_06_TE    | Spatially Resolving the Planetesimal Disk around HD 95086 - A Young Analog of HR 8799      | Su       | EA        | 12-m        | 6    |
| 03:17:47   | 04:11:10 | 2013.1.01312.S | M83_b_03_TP        | Wide-field imaging of dense gas  | Hirota   | EA        | Total Power | 3    |

in the nearby barred galaxy M83

|          |          |                |                  |   |          |             |             |   |
|----------|----------|----------------|------------------|---|----------|-------------|-------------|---|
| 02:20:42 | 03:14:00 | 2013.1.01312.S | M83_b_03_TP      | Wide-field imaging of dense gas in theHirota nearby barred galaxy M83 | EA       | Total Power | 3           |   |
| 01:48:14 | 03:21:25 | 2013.1.01258.S | aztec3-p_a_07_TE | Tomography of a Galaxy Protocluster Riechers at z=5.3                 | NA       | 12-m        | 7           |   |
| 01:26:26 | 02:19:39 | 2013.1.01312.S | M83_b_03_TP      | Wide-field imaging of dense gas in theHirota nearby barred galaxy M83 | EA       | Total Power | 3           |   |
| 00:27:26 | 01:10:42 | 2012.1.00382.S | HH46-47_d_03_TP  | Outflow Entrainment and Core Dispersal in HH46/47                     | Mardones | CL          | Total Power | 3 |
| 00:12:27 | 01:33:15 | 2013.1.01358.S | ACT-CL_J_b_06_TE | Galaxies in (and behind) two massive Baker high-redshift clusters     | NA       | 12-m        | 6           |   |

### 2015-04-05

| Start (UT) | End (UT) | Project Code   | SchedBlock       | Project Title  | PI            | Executive | Array | Band |
|------------|----------|----------------|------------------|--|---------------|-----------|-------|------|
| 23:01:38   | 23:48:32 | 2013.1.00710.S | V883_Ori_a_06_TC | Constraining the Episodic Accretion of Protostars  | Cieza         | CL        | 12-m  | 6    |
| 21:05:44   | 22:06:52 | 2013.1.00584.S | G191.51-_a_03_7M | Characterizing the Earliest Phases of Massive Star Formation in Cold Core Objects detected with Planck | Jimenez-Serra | EU        | 7-m   | 3    |
| 20:56:55   | 22:13:20 | 2013.1.00546.S | OMC1_NW_a_06_TE  | The Explosive Orion OMC1 Outflow   | Bally         | NA        | 12-m  | 6    |
| 14:15:09   | 15:42:59 | 2013.1.00162.S | Core_reg_a_06_TE | Confusion-free Mapping of the Node within the Cosmic Web at z=3.1                                      | Umehata       | EA        | 12-m  | 6    |
| 12:13:33   | 13:29:05 | 2013.1.00248.S | C1_a_06_TC       | Resolving the Initial Conditions of Massive Star Formation - A Tale of Two Cores                       | Tan           | NA        | 12-m  | 6    |
| 08:31:16   | 09:09:35 | 2013.1.00271.S | IC4687_a_06_TC   | Sub-kpc Kennicutt-Schmidt star formation law in luminous infrared disks                                | Colina        | EU        | 12-m  | 6    |
| 07:37:05   | 09:11:38 | 2013.1.01035.S | MSXDC_G0_a_07_7M | Dissecting filaments with ALMA: Unveiling the dynamic properties of dense cores within a massive IRDC  | Henshaw       | EU        | 7-m   | 7    |
| 07:22:28   | 08:04:39 | 2013.1.00278.S | IRAS1629_j_07_TE | Formation of complex organics in solar-type protostars   | Jorgensen     | EU        | 12-m  | 7    |
| 06:41:04   | 07:21:38 | 2013.1.00278.S | IRAS1629_i_07_TE | Formation of complex organics in solar-type protostars   | Jorgensen     | EU        | 12-m  | 7    |
| 04:36:50   | 06:00:16 | 2013.1.00773.S | HD95086_a_06_TE  | Spatially Resolving the Planetesimal Disk around HD 95086 - A Young Analog of HR 8799                  | Su            | EA        | 12-m  | 6    |
| 03:46:08   | 05:00:22 | 2013.1.00195.S | L183_CC_a_04_7M  | Dust Properties and Physical Conditions in the coldest dense core LDN183                               | Bernard       | EU        | 7-m   | 4    |
| 03:12:34   | 04:32:59 | 2013.1.00773.S | HD95086_a_06_TE  | Spatially Resolving the Planetesimal Disk around HD 95086 - A Young Analog of HR 8799                  | Su            | EA        | 12-m  | 6    |
| 01:34:10   | 02:57:36 | 2013.1.00773.S | HD95086_a_06_TE  | Spatially Resolving the Planetesimal Disk around HD 95086 - A Young Analog of HR 8799                  | Su            | EA        | 12-m  | 6    |

### 2015-04-04

| Start (UT) | End (UT) | Project Code   | SchedBlock       | Project Title  | PI            | Executive | Array | Band |
|------------|----------|----------------|------------------|--|---------------|-----------|-------|------|
| 23:40:17   | 01:09:30 | 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    |
| 23:23:32   | 00:44:56 | 2013.1.01358.S | ACT-CL_J_b_06_TE | Galaxies in (and behind) two massive Baker high-redshift clusters  | NA            | 12-m      | 6     |      |
| 22:38:05   | 23:38:45 | 2013.1.00584.S | G191.51-_a_03_7M | Characterizing the Earliest Phases of Massive Star Formation in Cold Core Objects detected with Planck                                     | Jimenez-Serra | EU        | 7-m   | 3    |
| 21:39:44   | 22:56:03 | 2013.1.00546.S | OMC1_NW_a_06_TE  | The Explosive Orion OMC1 Outflow   | Bally         | NA        | 12-m  | 6    |
| 21:14:20   | 22:15:10 | 2013.1.00584.S | G191.51-_a_03_7M | Characterizing the Earliest Phases of Massive Star Formation in Cold Core Objects detected with Planck                                     | Jimenez-Serra | EU        | 7-m   | 3    |
| 20:01:01   | 21:12:23 | 2013.1.00584.S | G191.51-_a_03_7M | Characterizing the Earliest Phases of Massive Star Formation   | Jimenez-Serra | EU        | 7-m   | 3    |

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|----------|----------|----------------|----------------------|--|------------|----|------|---|
| 19:15:52 | 20:38:16 | 2013.1.00532.S | ngc628_b_03_TE       | The Dense Gas Fraction and Its Dependence on Galactic Environment                                      | Schinnerer | EU | 12-m | 3 |
| 17:58:22 | 19:02:34 | 2013.1.00718.S | UDF1_a_06_TE         | An ALMA 1.3 mm spectroscopic survey in the Hubble Ultra Deep Field                                     | Aravena    | CL | 12-m | 6 |
| 16:09:03 | 17:34:47 | 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 |
| 15:07:24 | 16:27:43 | 2013.1.00162.S | Core_reg_a_06_TE     | Confusion-free Mapping of the Node within the Cosmic Web at z=3.1                                      | Umehata    | EA | 12-m | 6 |
| 14:03:42 | 15:08:07 | 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 |
| 13:22:24 | 14:42:52 | 2013.1.00162.S | Core_reg_a_06_TE     | Confusion-free Mapping of the Node within the Cosmic Web at z=3.1                                      | Umehata    | EA | 12-m | 6 |
| 12:33:31 | 13:48:44 | 2012.1.00133.S | G0.25+0.02_252GHz_7m | G0.25+0.02, a molecular cloud progenitor of an Arches-like cluster: the puzzle of cold dust, hot gas   | Garay      | CL | 7-m  | 6 |
| 08:29:50 | 09:35:37 | 2013.1.00618.S | 211_a_06_TE          | A Survey of Very Low Luminosity Objects in Serpens and Ophiuchus                                       | Huard      | NA | 12-m | 6 |
| 07:34:20 | 08:15:25 | 2013.1.00278.S | IRAS1629_k_07_TE     | Formation of complex organics in solar-type protostars   | Jorgensen  | EU | 12-m | 7 |
| 06:26:45 | 07:06:47 | 2013.1.00278.S | IRAS1629_j_07_TE     | Formation of complex organics in solar-type protostars   | Jorgensen  | EU | 12-m | 7 |
| 06:16:43 | 07:32:07 | 2013.1.00278.S | IRAS1629_e_07_7M     | Formation of complex organics in solar-type protostars   | Jorgensen  | EU | 7-m  | 7 |
| 05:37:14 | 06:10:34 | 2013.1.00157.S | ROph1_a_07_TC        | Revealing Binarity and the Youngest Disks in Oph   | Looney     | NA | 12-m | 7 |
| 04:49:44 | 05:58:50 | 2013.1.00195.S | L183_CC_a_04_7M      | Dust Properties and Physical Conditions in the coldest dense core LDN183                               | Bernard    | EU | 7-m  | 4 |
| 04:08:47 | 05:24:50 | 2013.1.00196.S | TW_Hya_a_07_TE       | The protosolar nebula heritage: measuring the nitrogen isotopic ratio in disks                         | Hily-Blant | EU | 12-m | 7 |
| 02:52:17 | 04:08:02 | 2013.1.00196.S | TW_Hya_a_07_TE       | The protosolar nebula heritage: measuring the nitrogen isotopic ratio in disks                         | Hily-Blant | EU | 12-m | 7 |
| 01:09:19 | 02:32:31 | 2013.1.00773.S | HD95086_a_06_TE      | Spatially Resolving the Planetesimal Disk around HD 95086 - A Young Analog of HR 8799                  | Su         | EA | 12-m | 6 |
| 01:07:21 | 02:04:55 | 2012.1.00394.S | Cha-MMS1_b_03_7M     | Revealing the Evolutionary Status of Candidate First Cores   | Mardones   | CL | 7-m  | 3 |
| 00:11:09 | 00:56:14 | 2012.1.00554.S | N159W_a_03_7M        | Most active on-going star formation in the Local Group: Resolving filaments and cloud cores in the LMC | Fukui      | EA | 7-m  | 3 |

### 2015-04-03

| Start (UT) | End (UT) | Project Code   | SchedBlock       | Project Title  | PI        | Executive | Array | Band |
|------------|----------|----------------|------------------|--|-----------|-----------|-------|------|
| 22:41:38   | 23:24:53 | 2013.1.01161.S | NGC1365_a_06_TC  | From Bars to CMZs and YMCs   | Sakamoto  | EA        | 12-m  | 6    |
| 21:42:47   | 22:39:15 | 2013.1.01161.S | NGC1365_a_06_7M  | From Bars to CMZs and YMCs   | Sakamoto  | EA        | 7-m   | 6    |
| 21:07:52   | 22:09:15 | 2013.1.00718.S | UDF1_e_06_TE     | An ALMA 1.3 mm spectroscopic survey in the Hubble Ultra Deep Field                             | Aravena   | CL        | 12-m  | 6    |
| 10:55:49   | 11:39:41 | 2013.1.00960.S | G034.400_a_07_TE | The first Galaxy-scale hunt for the earliest phases of the formation of the most massive stars | Csengeri  | EU        | 12-m  | 7    |
| 09:50:49   | 10:41:02 | 2013.1.00033.S | IRAS_205_a_07_TE | The role of infrared radiative pumping for molecular gas emission in AGNs                      | Imanishi  | EA        | 12-m  | 7    |
| 08:18:09   | 09:16:06 | 2012.1.00826.S | Group2_B7_12m    | The mass infall rate of massive young stellar objects  | Mottram   | EU        | 12-m  | 7    |
| 07:26:29   | 08:16:16 | 2013.1.00278.S | IRAS1629_m_07_TE | Formation of complex organics in solar-type protostars   | Jorgensen | EU        | 12-m  | 7    |
| 05:43:00   | 07:05:47 | 2013.1.00293.S | TVLM_513_b_03_TE | Detecting atmospheric ionisation from ultracool dwarfs with ALMA                               | Casewell  | EU        | 12-m  | 3    |
| 04:08:31   | 05:42:38 | 2013.1.00293.S | TVLM_513_a_03_TE | Detecting atmospheric ionisation from ultracool dwarfs with ALMA                               | Casewell  | EU        | 12-m  | 3    |
| 03:28:29   | 03:50:45 | 2013.1.00661.S | Eta_Cari_a_06_TC | Measuring the mass in the  | Smith     | NA        | 12-m  | 6    |

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|----------|----------|----------------|-----------------|---|-------|----|------|---|
| 00:34:28 | 01:56:34 | 2013.1.00546.S | OMC1_NW_a_06_TE | nebula around Eta Carinae<br>The Explosive Orion OMC1 Outflow | Bally | NA | 12-m | 6 |
|----------|----------|----------------|-----------------|---|-------|----|------|---|

**2015-04-02**

| Start (UT) | End (UT) | Project Code   | SchedBlock       | Project Title   | PI        | Executive | Array | Band |
|------------|----------|----------------|------------------|---|-----------|-----------|-------|------|
| 23:07:56   | 00:12:02 | 2013.1.00718.S | UDF1_a_06_TE     | An ALMA 1.3 mm spectroscopic survey in the Hubble Ultra Deep Field              | Aravena   | CL        | 12-m  | 6    |
| 08:10:28   | 09:11:53 | 2013.1.00269.S | SgrB2_a_03_TC    | Sgr B2 - The Proving Ground for Star Formation Theories                         | Ginsburg  | EU        | 12-m  | 3    |
| 07:20:23   | 08:03:28 | 2013.1.00967.S | B68_a_04_TE      | Dust Opacity and Fragmentation in the Centers of Nearby Low-mass Starless Cores | Shirley   | NA        | 12-m  | 4    |
| 05:55:51   | 07:06:34 | 2013.1.01180.S | ad3a-048_a_03_TE | Bulge Asymmetries and Dynamical Evolution (BAaDE)                               | Sjouerman | NA        | 12-m  | 3    |

**2015-04-01**

| Start (UT) | End (UT) | Project Code   | SchedBlock    | Project Title   | PI       | Executive | Array | Band |
|------------|----------|----------------|---------------|---|----------|-----------|-------|------|
| 06:58:01   | 07:58:23 | 2013.1.00269.S | SgrB2_a_03_TC | Sgr B2 - The Proving Ground for Star Formation Theories | Ginsburg | EU        | 12-m  | 3    |