

**ALMA Observing Activity from 2016-12-08T17:59:00 to 2017-01-08T18:00:00**  
**QA0 pass executions**

**2017-01-08**

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title  | PI                 | Executive | Array | Band |
|------------|----------|----------------|-------------------|--|--------------------|-----------|-------|------|
| 14:13:21   | 15:33:32 | 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    |
| 11:59:48   | 13:36:11 | 2016.1.01107.S | CI_J1449_a_03_7M  | Hot (gas) physics with ALMA: SZ observation of a z=2 galaxy cluster                                      | Gobat              | EA        | 7-m   | 3    |
| 11:39:58   | 12:41:56 | 2016.1.00831.S | A1689-12_a_03_TM1 | ALENS: The ALMA lensing survey of sub-M* galaxies at z~1-3   | Dessauges-Zavadsky | EU        | 12-m  | 3    |
| 10:23:08   | 11:58:59 | 2016.1.01107.S | CI_J1449_a_03_7M  | Hot (gas) physics with ALMA: SZ observation of a z=2 galaxy cluster                                      | Gobat              | EA        | 7-m   | 3    |
| 10:09:05   | 11:22:45 | 2016.1.00628.S | QSO_B122_a_03_TM1 | Discovering the Host Galaxies of z~2 Damped Ly $\alpha$ Systems  | Prochaska          | NA        | 12-m  | 3    |
| 08:51:33   | 10:03:37 | 2016.1.00831.S | MACJ1149_c_03_TM1 | ALENS: The ALMA lensing survey of sub-M* galaxies at z~1-3   | Dessauges-Zavadsky | EU        | 12-m  | 3    |
| 07:37:03   | 08:51:02 | 2016.1.00628.S | QSO_B122_a_03_TM1 | Discovering the Host Galaxies of z~2 Damped Ly $\alpha$ Systems  | Prochaska          | NA        | 12-m  | 3    |
| 06:53:45   | 07:36:47 | 2016.1.00935.S | G08-5_a_04_TM1    | How much dense gas is in turbulent disks, and how does that relate to clump properties?                  | Fisher             | OTHER     | 12-m  | 4    |
| 06:07:30   | 06:50:47 | 2016.1.00935.S | G08-5_a_04_TM1    | How much dense gas is in turbulent disks, and how does that relate to clump properties?                  | Fisher             | OTHER     | 12-m  | 4    |
| 04:28:35   | 05:49:35 | 2016.1.01126.S | SDSS_J09_a_04_TM1 | Gas Supply and Quenching of Post-Starburst Galaxies at z~0.6   | Bezanson           | NA        | 12-m  | 4    |
| 03:51:15   | 04:28:09 | 2016.1.00613.S | ADFS27_d_03_TM1   | Rise of the Titans: Identifying Hyper-Luminous Starbursts back to the First Billion Years of Cosmic Time | Riechers           | NA        | 12-m  | 3    |
| 03:15:56   | 03:48:39 | 2016.1.00613.S | ADFS27_a_03_TM1   | Rise of the Titans: Identifying Hyper-Luminous Starbursts back to the First Billion Years of Cosmic Time | Riechers           | NA        | 12-m  | 3    |
| 02:43:37   | 03:15:36 | 2016.1.00613.S | ADFS27_c_03_TM1   | Rise of the Titans: Identifying Hyper-Luminous Starbursts back to the First Billion Years of Cosmic Time | Riechers           | NA        | 12-m  | 3    |
| 00:23:37   | 01:40:27 | 2016.1.00065.S | SPT0300-_a_03_TM1 | Probing the dense gas with HCN(5-4) in four SPT lensed dusty star-forming galaxies at 2.5<z<4            | Bethermin          | EU        | 12-m  | 3    |

**2017-01-07**

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title  | PI                 | Executive | Array | Band |
|------------|----------|----------------|-------------------|--|--------------------|-----------|-------|------|
| 15:25:48   | 15:50:17 | 2016.1.01552.S | B335_a_03_TM2     | Characterizing diffusive processes in the B335 protostar                               | Maury              | EU        | 12-m  | 3    |
| 14:39:55   | 16:05:32 | 2016.1.01363.S | CloudG_a_03_7M    | Widespread SiO in IRDCs: Cloud-Cloud Collision Formation of Molecular Cloud Filaments? | Jimenez-Serra      | EU        | 7-m   | 3    |
| 13:45:29   | 15:04:12 | 2016.1.00635.S | NCG_5775_a_03_TM1 | ALMA Resolves An Extra-Planar Molecular Outflow  | Kepley             | NA        | 12-m  | 3    |
| 12:15:34   | 13:43:18 | 2016.1.00635.S | NCG_5775_a_03_TM1 | ALMA Resolves An Extra-Planar Molecular Outflow  | Kepley             | NA        | 12-m  | 3    |
| 11:31:29   | 13:07:17 | 2016.1.01107.S | CI_J1449_a_03_7M  | Hot (gas) physics with ALMA: SZ observation of a z=2 galaxy cluster                    | Gobat              | EA        | 7-m   | 3    |
| 10:13:52   | 11:27:49 | 2016.1.00628.S | QSO_B122_a_03_TM1 | Discovering the Host Galaxies of z~2 Damped Ly $\alpha$ Systems                        | Prochaska          | NA        | 12-m  | 3    |
| 09:37:29   | 11:07:19 | 2016.1.01107.S | CI_J1449_a_03_7M  | Hot (gas) physics with ALMA: SZ observation of a z=2 galaxy cluster                    | Gobat              | EA        | 7-m   | 3    |
| 09:33:47   | 10:06:15 | 2016.1.00831.S | A1689-18_a_03_TM1 | ALENS: The ALMA lensing survey of sub-M* galaxies at z~1-3                             | Dessauges-Zavadsky | EU        | 12-m  | 3    |
| 08:06:15   | 09:21:25 | 2016.1.00628.S | QSO_J104_a_04_TM1 | Discovering the Host Galaxies of z~2 Damped Ly $\alpha$ Systems                        | Prochaska          | NA        | 12-m  | 4    |
| 06:53:57   | 08:03:37 | 2016.1.00628.S | QSO_J104_a_04_TM1 | Discovering the Host Galaxies of z~2 Damped Ly $\alpha$ Systems                        | Prochaska          | NA        | 12-m  | 4    |
| 06:18:35   | 06:52:05 | 2016.1.00932.S | 403296_a_03_TM1   | COLDz: Gas Excitation in "Typical" CO(J=1-0)-Selected Galaxies at z=2-3                | Riechers           | NA        | 12-m  | 3    |
| 04:55:47   | 05:41:05 | 2016.1.00065.S | SPT0551-_a_03_TM1 | Probing the dense gas with HCN   | Bethermin          | EU        | 12-m  | 3    |

| 03:59:19          | 04:45:09 | 2016.1.00065.S | SPT0551-_a_03_TM1 | (5-4) in four SPT lensed dusty star-forming galaxies at $2.5 < z < 4$<br>Probing the dense gas with HCN(5-4) Bethermin  | EU | 12-m      | 3     |      |
|-------------------|----------|----------------|-------------------|---|----|-----------|-------|------|
| 02:34:33          | 03:45:20 | 2016.1.00193.S | N59C_a_03_TM1     | The substructure of molecular clouds in the LMC Wong  | NA | 12-m      | 3     |      |
| <b>2017-01-06</b> |          |                |                   |   |    |           |       |      |
| Start (UT)        | End (UT) | Project Code   | SchedBlock        | Project Title   | PI | Executive | Array | Band |
| 22:35:40          | 23:52:57 | 2016.1.00698.S | xlssuj02_a_03_TM1 | Unveiling the Most Distant Massive Galaxy Cluster Mantz   | NA | 12-m      | 3     |      |
| <b>2017-01-05</b> |          |                |                   |   |    |           |       |      |
| Start (UT)        | End (UT) | Project Code   | SchedBlock        | Project Title   | PI | Executive | Array | Band |
| 16:51:29          | 18:11:53 | 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     |      |
| 16:42:27          | 17:52:51 | 2016.1.01071.S | W51_a_03_TM1      | Investigating the missing piece of the prebiotic chemistry puzzle: Interstellar Phosphorus Rivilla                      | EU | 12-m      | 3     |      |
| 15:21:48          | 16:41:59 | 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     |      |
| 14:12:01          | 15:02:51 | 2016.1.00177.S | IRAS_F17_a_03_TM1 | Identifying molecular outflows in our neighborhood Lutz   | EU | 12-m      | 3     |      |
| 10:56:37          | 12:32:50 | 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     |      |
| 10:48:06          | 12:06:11 | 2016.1.00393.S | m83_a_03_TM1      | Chemical evolutions of GMCs while crossing the spiral arm in the nearby galaxy M 83 Muraoka                             | EA | 12-m      | 3     |      |
| 09:23:39          | 10:43:41 | 2016.1.00393.S | m83_a_03_TM1      | Chemical evolutions of GMCs while crossing the spiral arm in the nearby galaxy M 83 Muraoka                             | EA | 12-m      | 3     |      |
| 09:19:58          | 10:49:52 | 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     |      |
| 08:28:19          | 09:04:09 | 2016.1.00701.S | Jupiter_a_06_TM1  | ALMA maps of Jupiter during the Juno era de Pater   | NA | 12-m      | 6     |      |
| 08:12:24          | 08:26:41 | 2016.1.00701.S | Jupiter_a_03_TM1  | ALMA maps of Jupiter during the Juno era de Pater   | NA | 12-m      | 3     |      |
| 07:42:29          | 08:07:08 | 2016.1.00567.S | 2-14723_c_04_TM1  | When the Very Large Telescope is not large enough: spectroscopic identification of $z\sim 4$ massive galaxies Schreiber | EU | 12-m      | 4     |      |
| 07:15:09          | 07:40:11 | 2016.1.00567.S | 2-14723_d_04_TM1  | When the Very Large Telescope is not large enough: spectroscopic identification of $z\sim 4$ massive galaxies Schreiber | EU | 12-m      | 4     |      |
| 06:11:39          | 07:06:27 | 2015.1.01034.S | QSO_B082_a_04_TE  | Uncovering the gas reservoirs of absorption-selected galaxies Prochaska   | NA | 12-m      | 4     |      |
| 04:36:13          | 05:48:00 | 2016.1.00562.S | NGC_1808_a_03_TM1 | Measuring star formation rates in the dusty starburst galaxy NGC 1808 using mm recombination lines Bendo                | EU | 12-m      | 3     |      |
| 03:28:45          | 04:35:26 | 2016.1.00193.S | N59C_b_03_TM1     | The substructure of molecular clouds in the LMC Wong  | NA | 12-m      | 3     |      |
| 02:08:30          | 03:28:07 | 2016.1.00193.S | GMC104_b_03_TM1   | The substructure of molecular clouds in the LMC Wong  | NA | 12-m      | 3     |      |
| 01:24:17          | 01:57:49 | 2016.1.00613.S | ADFS27_b_03_TM1   | Rise of the Titans: Identifying Hyper-Luminous Starbursts back to the First Billion Years of Cosmic Time Riechers       | NA | 12-m      | 3     |      |
| <b>2017-01-04</b> |          |                |                   |   |    |           |       |      |
| Start (UT)        | End (UT) | Project Code   | SchedBlock        | Project Title   | PI | Executive | Array | Band |
| 13:49:21          | 14:24:54 | 2016.1.00701.S | Jupiter_a_06_TM1  | ALMA maps of Jupiter during the Juno era de Pater   | NA | 12-m      | 6     |      |
| 12:50:16          | 13:32:17 | 2016.1.00701.S | Jupiter_a_06_TM1  | ALMA maps of Jupiter during the Juno era de Pater   | NA | 12-m      | 6     |      |
| 12:35:33          | 12:49:46 | 2016.1.00701.S | Jupiter_a_03_TM1  | ALMA maps of Jupiter during the Juno era de Pater   | NA | 12-m      | 3     |      |
| 11:53:12          | 12:35:01 | 2016.1.00701.S | Jupiter_a_06_TM1  | ALMA maps of Jupiter during the Juno era de Pater   | NA | 12-m      | 6     |      |

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|----------|----------|----------------|-------------------|---|----------|----|------|---|
| 11:18:00 | 11:32:14 | 2016.1.00701.S | Jupiter_a_03_TM1  | ALMA maps of Jupiter during the Juno era                                    | de Pater | NA | 12-m | 3 |
| 10:41:37 | 11:17:34 | 2016.1.00701.S | Jupiter_a_06_TM1  | ALMA maps of Jupiter during the Juno era                                    | de Pater | NA | 12-m | 6 |
| 10:26:56 | 10:41:12 | 2016.1.00701.S | Jupiter_a_03_TM1  | ALMA maps of Jupiter during the Juno era                                    | de Pater | NA | 12-m | 3 |
| 09:50:49 | 10:26:31 | 2016.1.00701.S | Jupiter_a_06_TM1  | ALMA maps of Jupiter during the Juno era                                    | de Pater | NA | 12-m | 6 |
| 09:36:12 | 09:50:20 | 2016.1.00701.S | Jupiter_a_03_TM1  | ALMA maps of Jupiter during the Juno era                                    | de Pater | NA | 12-m | 3 |
| 08:59:36 | 09:35:47 | 2016.1.00701.S | Jupiter_a_06_TM1  | ALMA maps of Jupiter during the Juno era                                    | de Pater | NA | 12-m | 6 |
| 08:45:10 | 08:59:13 | 2016.1.00701.S | Jupiter_a_03_TM1  | ALMA maps of Jupiter during the Juno era                                    | de Pater | NA | 12-m | 3 |
| 07:10:06 | 07:43:32 | 2016.1.00226.S | PSOJ183+_a_03_TM1 | A comprehensive study of the interstellar medium 830 Myr after the Big Bang | Decarli  | EU | 12-m | 3 |
| 06:23:23 | 07:02:58 | 2016.1.00932.S | 329214_a_03_TM1   | COLDz: Gas Excitation in "Typical" CO(J=1-0)-Selected Galaxies at z=2-3     | Riechers | NA | 12-m | 3 |
| 05:13:51 | 06:20:27 | 2016.1.00193.S | N59C_a_03_TM1     | The substructure of molecular clouds in the LMC                             | Wong     | NA | 12-m | 3 |
| 04:04:57 | 05:12:20 | 2016.1.00193.S | N59C_b_03_TM1     | The substructure of molecular clouds in the LMC                             | Wong     | NA | 12-m | 3 |
| 02:43:17 | 04:04:26 | 2016.1.00193.S | GMC104_b_03_TM1   | The substructure of molecular clouds in the LMC                             | Wong     | NA | 12-m | 3 |
| 01:52:50 | 02:42:53 | 2016.1.01245.S | L1527_IR_a_03_TM1 | Laying the groundwork for future ALMA direct magnetic field detection       | Cox      | NA | 12-m | 3 |
| 00:15:25 | 01:33:13 | 2016.1.00193.S | GMC1_b_03_TM1     | The substructure of molecular clouds in the LMC                             | Wong     | NA | 12-m | 3 |

### 2017-01-03

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title  | PI            | Executive | Array | Band |
|------------|----------|----------------|-------------------|--|---------------|-----------|-------|------|
| 23:03:06   | 00:11:49 | 2016.1.00564.S | ALESS023_d_03_TM1 | Gas mass fractions in z>3 main sequence galaxies from ALESS                            | Weiss         | EU        | 12-m  | 3    |
| 21:30:12   | 22:47:20 | 2016.1.00564.S | ALESS023_d_03_TM1 | Gas mass fractions in z>3 main sequence galaxies from ALESS                            | Weiss         | EU        | 12-m  | 3    |
| 19:42:12   | 20:50:23 | 2016.1.00292.S | NGC253_a_03_TM1   | A final answer on the carbon isotopic ratio in starburst environments with ALMA        | Martin        | EU        | 12-m  | 3    |
| 14:11:41   | 15:05:11 | 2016.1.00393.S | m83_a_03_TM1      | Chemical evolutions of GMCs while crossing the spiral arm in the nearby galaxy M 83    | Muraoka       | EA        | 12-m  | 3    |
| 13:54:41   | 15:07:56 | 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    |
| 13:02:22   | 13:43:52 | 2016.1.00701.S | Jupiter_a_06_TM1  | ALMA maps of Jupiter during the Juno era   | de Pater      | NA        | 12-m  | 6    |
| 12:37:12   | 12:51:00 | 2016.1.00701.S | Jupiter_a_03_TM1  | ALMA maps of Jupiter during the Juno era   | de Pater      | NA        | 12-m  | 3    |
| 11:54:58   | 12:36:44 | 2016.1.00701.S | Jupiter_a_06_TM1  | ALMA maps of Jupiter during the Juno era   | de Pater      | NA        | 12-m  | 6    |
| 11:30:17   | 11:44:05 | 2016.1.00701.S | Jupiter_a_03_TM1  | ALMA maps of Jupiter during the Juno era   | de Pater      | NA        | 12-m  | 3    |
| 10:12:06   | 10:47:58 | 2016.1.00701.S | Jupiter_a_06_TM1  | ALMA maps of Jupiter during the Juno era   | de Pater      | NA        | 12-m  | 6    |
| 09:57:27   | 10:11:33 | 2016.1.00701.S | Jupiter_a_03_TM1  | ALMA maps of Jupiter during the Juno era   | de Pater      | NA        | 12-m  | 3    |
| 09:21:03   | 09:56:53 | 2016.1.00701.S | Jupiter_a_06_TM1  | ALMA maps of Jupiter during the Juno era   | de Pater      | NA        | 12-m  | 6    |
| 09:06:36   | 09:20:25 | 2016.1.00701.S | Jupiter_a_03_TM1  | ALMA maps of Jupiter during the Juno era   | de Pater      | NA        | 12-m  | 3    |
| 08:30:27   | 09:06:09 | 2016.1.00701.S | Jupiter_a_06_TM1  | ALMA maps of Jupiter during the Juno era   | de Pater      | NA        | 12-m  | 6    |
| 08:16:12   | 08:30:00 | 2016.1.00701.S | Jupiter_a_03_TM1  | ALMA maps of Jupiter during the Juno era   | de Pater      | NA        | 12-m  | 3    |
| 07:40:11   | 08:15:39 | 2016.1.00701.S | Jupiter_a_06_TM1  | ALMA maps of Jupiter during the Juno era   | de Pater      | NA        | 12-m  | 6    |
| 07:09:46   | 07:24:01 | 2016.1.00701.S | Jupiter_a_03_TM1  | ALMA maps of Jupiter during the Juno era   | de Pater      | NA        | 12-m  | 3    |
| 06:00:56   | 07:07:37 | 2016.1.00193.S | N59C_b_03_TM1     | The substructure of molecular clouds in the LMC  | Wong          | NA        | 12-m  | 3    |
| 04:41:51   | 05:48:35 | 2016.1.00193.S | N59C_b_03_TM1     | The substructure of molecular  | Wong          | NA        | 12-m  | 3    |

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|----------|----------|----------------|-------------------|---|---------|----|------|---|
| 02:06:40 | 03:07:01 | 2016.1.01071.S | AFGL5142_a_03_TM1 | clouds in the LMC<br>Investigating the missing piece of the prebiotic chemistry puzzle: Interstellar Phosphorus | Rivilla | EU | 12-m | 3 |
| 01:02:37 | 02:02:35 | 2016.1.01071.S | AFGL5142_a_03_TM1 | Investigating the missing piece of the prebiotic chemistry puzzle: Interstellar Phosphorus                      | Rivilla | EU | 12-m | 3 |

### 2017-01-02

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title   | PI      | Executive | Array | Band |
|------------|----------|----------------|-------------------|---|---------|-----------|-------|------|
| 23:32:02   | 00:40:02 | 2016.1.00564.S | ALESS023_d_03_TM1 | Gas mass fractions in z>3 main sequence galaxies from ALESS                                 | Weiss   | EU        | 12-m  | 3    |
| 22:15:26   | 23:28:23 | 2016.1.00564.S | ALESS023_a_03_TM1 | Gas mass fractions in z>3 main sequence galaxies from ALESS                                 | Weiss   | EU        | 12-m  | 3    |
| 11:11:09   | 12:36:29 | 2016.1.00393.S | m83_a_03_TM1      | Chemical evolutions of GMCs while crossing the spiral arm in the nearby galaxy M 83         | Muraoka | EA        | 12-m  | 3    |
| 11:07:50   | 12:43:55 | 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    |
| 09:45:29   | 11:10:51 | 2016.1.00393.S | m83_a_03_TM1      | Chemical evolutions of GMCs while crossing the spiral arm in the nearby galaxy M 83         | Muraoka | EA        | 12-m  | 3    |
| 08:33:07   | 09:44:58 | 2016.1.00261.S | Filament_a_03_TM1 | Radio jet-gas interaction and star formation: Excitation and dense molecular gas            | Salome  | EU        | 12-m  | 3    |
| 07:30:27   | 08:32:53 | 2016.1.00261.S | Filament_a_03_TM1 | Radio jet-gas interaction and star formation: Excitation and dense molecular gas            | Salome  | EU        | 12-m  | 3    |
| 04:51:33   | 05:28:59 | 2016.1.01340.S | SDP.9_a_04_TM1    | ALMA as a sensitive probe of the stellar IMF and star-formation mode across the cosmic time | Zhang   | EU        | 12-m  | 4    |
| 03:37:23   | 04:41:48 | 2016.1.00564.S | ALESS023_a_03_TM1 | Gas mass fractions in z>3 main sequence galaxies from ALESS                                 | Weiss   | EU        | 12-m  | 3    |
| 02:32:58   | 03:37:04 | 2016.1.00564.S | ALESS023_a_03_TM1 | Gas mass fractions in z>3 main sequence galaxies from ALESS                                 | Weiss   | EU        | 12-m  | 3    |
| 01:01:44   | 02:14:52 | 2016.1.00292.S | NGC253_a_03_TM1   | A final answer on the carbon isotopic ratio in starburst environments with ALMA             | Martin  | EU        | 12-m  | 3    |

### 2017-01-01

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title  | PI            | Executive | Array | Band |
|------------|----------|----------------|-------------------|--|---------------|-----------|-------|------|
| 23:30:33   | 00:34:52 | 2016.1.00292.S | NGC253_a_03_TM1   | A final answer on the carbon isotopic ratio in starburst environments with ALMA            | Martin        | EU        | 12-m  | 3    |
| 21:58:08   | 23:30:11 | 2016.1.00564.S | ALESS071_a_03_TM1 | Gas mass fractions in z>3 main sequence galaxies from ALESS                                | Weiss         | EU        | 12-m  | 3    |
| 20:16:06   | 21:23:29 | 2016.1.00292.S | NGC253_a_03_TM1   | A final answer on the carbon isotopic ratio in starburst environments with ALMA            | Martin        | EU        | 12-m  | 3    |
| 18:52:28   | 20:29:32 | 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    |
| 18:44:49   | 19:24:06 | 2016.1.01071.S | W51_a_03_TM1      | Investigating the missing piece of the prebiotic chemistry puzzle: Interstellar Phosphorus | Rivilla       | EU        | 12-m  | 3    |
| 17:27:03   | 18:44:12 | 2016.1.01318.S | IRAS_162_a_04_TM1 | Prebiotic chemistry: the first detection of the 3-carbon sugar glyceraldehyde              | Calcutt       | EU        | 12-m  | 4    |
| 17:15:36   | 18:52:05 | 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    |
| 15:58:00   | 17:08:46 | 2016.1.00714.S | J1723-77_a_03_TM1 | Chameleon's Dark Neutral Matter  | Liszt         | NA        | 12-m  | 3    |
| 15:28:38   | 16:54:18 | 2016.1.00035.S | H-MM1_b_03_7M     | Nuclear spin ratios as clues to the origin of deuterated ammonia                           | Harju         | EU        | 7-m   | 3    |
| 14:25:12   | 15:33:00 | 2016.1.00645.S | AGAL333_a_03_TM1  | Massive and dense clumps in early stages of evolution: mass distribution and turbulence    | Garay         | CL        | 12-m  | 3    |
| 14:05:52   | 15:15:32 | 2016.1.00645.S | AGAL333_b_03_7M   | Massive and dense clumps in early stages of evolution: mass distribution and turbulence    | Garay         | CL        | 7-m   | 3    |
| 12:43:39   | 14:08:28 | 2016.1.00393.S | m83_a_03_TM1      | Chemical evolutions of GMCs while crossing the spiral arm in the nearby galaxy M 83        | Muraoka       | EA        | 12-m  | 3    |
| 11:36:01   | 13:12:00 | 2016.1.01107.S | Cl_J1449_a_03_7M  | Hot (gas) physics with ALMA: SZ observation of a z=2 galaxy                                | Gobat         | EA        | 7-m   | 3    |

|          |          |                |                  |   |           |    |      |   |
|----------|----------|----------------|------------------|---|-----------|----|------|---|
| 10:14:17 | 11:40:17 | 2016.1.00393.S | m83_a_03_TM1     | cluster<br>Chemical evolutions of GMCs while crossing the spiral arm in the nearby galaxy M 83          | Muraoka   | EA | 12-m | 3 |
| 08:48:15 | 10:13:56 | 2016.1.00393.S | m83_a_03_TM1     | Chemical evolutions of GMCs while crossing the spiral arm in the nearby galaxy M 83                     | Muraoka   | EA | 12-m | 3 |
| 08:07:22 | 08:41:19 | 2016.1.00567.S | 2-14723_b_04_TM1 | When the Very Large Telescope is not large enough: spectroscopic identification of z~4 massive galaxies | Schreiber | EU | 12-m | 4 |
| 07:26:20 | 07:51:17 | 2016.1.01340.S | SDP.9_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 |
| 03:56:18 | 05:16:32 | 2016.1.00193.S | A439_b_03_TM1    | The substructure of molecular clouds in the LMC   | Wong      | NA | 12-m | 3 |
| 02:16:28 | 03:38:58 | 2016.1.00193.S | GMC1_b_03_TM1    | The substructure of molecular clouds in the LMC   | Wong      | NA | 12-m | 3 |
| 00:39:37 | 01:55:46 | 2016.1.00193.S | GMC1_b_03_TM1    | The substructure of molecular clouds in the LMC   | Wong      | NA | 12-m | 3 |

### 2016-12-31

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title   | PI          | Executive | Array | Band |
|------------|----------|----------------|-------------------|---|-------------|-----------|-------|------|
| 22:37:14   | 23:58:33 | 2016.1.00564.S | ALESS005_a_03_TM1 | Gas mass fractions in z>3 main sequence galaxies from ALESS   | Weiss       | EU        | 12-m  | 3    |
| 14:58:46   | 16:10:54 | 2016.1.00461.S | uss1558._a_03_TM1 | Spatial and spectroscopic identification of SCUBA2 sources associated to a proto-cluster at z=2.5       | Hayashi     | EA        | 12-m  | 3    |
| 13:31:55   | 14:58:27 | 2016.1.00132.S | J1733-37_a_03_TM1 | A hidden reservoir of diffuse molecular gas in the galactic bar and bulge                               | Liszt       | NA        | 12-m  | 3    |
| 13:20:46   | 14:57:02 | 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    |
| 11:51:03   | 13:16:46 | 2016.1.00393.S | m83_a_03_TM1      | Chemical evolutions of GMCs while crossing the spiral arm in the nearby galaxy M 83                     | Muraoka     | EA        | 12-m  | 3    |
| 11:44:12   | 13:20:33 | 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    |
| 10:24:43   | 11:50:38 | 2016.1.00393.S | m83_a_03_TM1      | Chemical evolutions of GMCs while crossing the spiral arm in the nearby galaxy M 83                     | Muraoka     | EA        | 12-m  | 3    |
| 10:07:22   | 11:43:41 | 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    |
| 08:59:30   | 10:24:21 | 2016.1.00393.S | m83_a_03_TM1      | Chemical evolutions of GMCs while crossing the spiral arm in the nearby galaxy M 83                     | Muraoka     | EA        | 12-m  | 3    |
| 05:49:45   | 06:14:58 | 2016.1.00567.S | 2-14723_a_04_TM1  | When the Very Large Telescope is not large enough: spectroscopic identification of z~4 massive galaxies | Schreiber   | EU        | 12-m  | 4    |
| 04:28:06   | 05:48:06 | 2016.1.00193.S | A439_b_03_TM1     | The substructure of molecular clouds in the LMC   | Wong        | NA        | 12-m  | 3    |
| 03:04:02   | 04:05:30 | 2016.1.00782.S | N159S_a_03_TM1    | What hinders massive star formation in a massive quiescent giant molecular cloud at low metallicity     | Chen        | EU        | 12-m  | 3    |
| 02:14:37   | 03:03:21 | 2016.1.00721.S | z6_GSD_a_1_06_TM1 | Probing the Physics Behind Enhanced Star Formation in the Early Universe                                | Finkelstein | NA        | 12-m  | 6    |
| 00:18:55   | 01:27:57 | 2016.1.00564.S | ALESS005_b_03_TM1 | Gas mass fractions in z>3 main sequence galaxies from ALESS   | Weiss       | EU        | 12-m  | 3    |

### 2016-12-30

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title  | PI     | Executive | Array | Band |
|------------|----------|----------------|-------------------|--|--------|-----------|-------|------|
| 22:29:14   | 23:57:03 | 2016.1.00564.S | ALESS005_c_03_TM1 | Gas mass fractions in z>3 main sequence galaxies from ALESS                              | Weiss  | EU        | 12-m  | 3    |
| 11:08:23   | 11:33:28 | 2016.1.00441.S | alfa_cen_a_06_TM1 | Probing the chromospheric heating regions of the solar analogue alpha Centauri with ALMA | Liseau | EU        | 12-m  | 6    |
| 10:29:19   | 12:06:36 | 2016.1.00164.S | M83_b_06_7M       | Chemical Diagnostics of Extragalactic Harada ISM: Shock-Induced                          |        | EA        | 7-m   | 6    |

| 09:27:30          | 10:31:21 | 2016.1.00386.S | M83_e_06_TM1      | Evolution in M83 Nucleus<br>Molecular Clouds and Star Formation: Sakamoto<br>Across M83                                 | EA | 12-m      | 6     |      |
|-------------------|----------|----------------|-------------------|---|----|-----------|-------|------|
| 08:51:47          | 09:16:58 | 2016.1.01481.S | PKS_1202_a_06_TM2 | Measuring the Spectral Evolution, Structure, and Speed of Extragalactic<br>Jets with ALMA<br>Meyer                      | NA | 12-m      | 6     |      |
| 08:49:48          | 10:28:39 | 2016.1.00386.S | M83_f_06_7M       | Molecular Clouds and Star Formation: Sakamoto<br>Across M83   | EA | 7-m       | 6     |      |
| 07:20:24          | 08:12:46 | 2016.1.00629.S | TW_Hya_a_07_TM2   | Ice Desorption Illuminating Hidden<br>Planetary Companions<br>Cleeves   | NA | 12-m      | 7     |      |
| 06:10:47          | 07:18:32 | 2016.1.00629.S | TW_Hya_a_07_TM2   | Ice Desorption Illuminating Hidden<br>Planetary Companions<br>Cleeves   | NA | 12-m      | 7     |      |
| 04:24:58          | 05:56:57 | 2015.1.01082.S | Orion_Ba_a_07_TE  | ALMA imaging of the Orion Bar: Density<br>structures and chemical stratification in PDRs<br>Goicoechea                  | EU | 12-m      | 7     |      |
| 01:14:54          | 02:37:09 | 2016.1.00360.S | ngc_602_b_06_TM1  | SMC NGC 602: an exemplary test of<br>low-metallicity star formation and GMC evolution.<br>Indebetouw                    | NA | 12-m      | 6     |      |
| <b>2016-12-29</b> |          |                |                   |   |    |           |       |      |
| Start (UT)        | End (UT) | Project Code   | SchedBlock        | Project Title   | PI | Executive | Array | Band |
| 23:45:40          | 00:47:50 | 2016.1.01245.S | Per-emb-_a_03_TM1 | Laying the groundwork for future<br>ALMA direct magnetic field detection<br>Cox   | NA | 12-m      | 3     |      |
| 22:35:44          | 23:43:50 | 2016.1.01245.S | Per-emb-_a_03_TM1 | Laying the groundwork for future<br>ALMA direct magnetic field detection<br>Cox   | NA | 12-m      | 3     |      |
| 21:13:26          | 22:17:13 | 2016.1.00065.S | SPT0125-_a_03_TM1 | Probing the dense gas with HCN(5-4)<br>in four SPT lensed dusty star-forming<br>galaxies at $2.5 < z < 4$<br>Bethermin  | EU | 12-m      | 3     |      |
| 17:50:04          | 18:56:37 | 2016.1.01372.S | g34mm12_a_03_TM1  | Gravity vs B-field in massive-star<br>forming clouds: Who is in the driving<br>seat?<br>Koch                            | EA | 12-m      | 3     |      |
| 16:31:11          | 17:49:41 | 2016.1.00147.S | gc_a_1_03_TM1     | Is the Molecular Inflow in the Galactic<br>Center Transient?<br>Hsieh   | EA | 12-m      | 3     |      |
| 15:20:16          | 16:39:29 | 2016.1.00035.S | H-MM1_b_03_7M     | Nuclear spin ratios as clues to the<br>origin of deuterated ammonia<br>Harju  | EU | 7-m       | 3     |      |
| 14:45:50          | 15:51:22 | 2016.1.01055.S | NN_Ser_a_04_TM1   | Rising from the Dead: Planet<br>Formation and Disk Evolution around<br>Evolved Stars<br>Schreiber                       | CL | 12-m      | 4     |      |
| 14:00:02          | 15:19:58 | 2016.1.00035.S | H-MM1_b_03_7M     | Nuclear spin ratios as clues to the<br>origin of deuterated ammonia<br>Harju  | EU | 7-m       | 3     |      |
| 13:40:14          | 14:45:34 | 2016.1.01055.S | NN_Ser_a_04_TM1   | Rising from the Dead: Planet<br>Formation and Disk Evolution around<br>Evolved Stars<br>Schreiber                       | CL | 12-m      | 4     |      |
| 12:38:40          | 13:57:18 | 2016.1.00035.S | H-MM1_a_03_7M     | Nuclear spin ratios as clues to the<br>origin of deuterated ammonia<br>Harju  | EU | 7-m       | 3     |      |
| 12:25:30          | 13:30:52 | 2016.1.01055.S | NN_Ser_a_04_TM1   | Rising from the Dead: Planet<br>Formation and Disk Evolution around<br>Evolved Stars<br>Schreiber                       | CL | 12-m      | 4     |      |
| 10:54:36          | 12:20:24 | 2016.1.00164.S | M83_a_06_7M       | Chemical Diagnostics of Extragalactic<br>ISM: Shock-Induced Evolution in M83<br>Nucleus<br>Harada                       | EA | 7-m       | 6     |      |
| 10:39:26          | 11:52:46 | 2016.1.00191.S | S14_a_06_TM1      | Characterizing the hot molecular core<br>phase<br>Sanchez-Monge   | EU | 12-m      | 6     |      |
| 09:33:19          | 10:39:00 | 2016.1.01423.S | J1202-00_a_06_TM1 | Probing the star forming nature and<br>co-evolutionary relations of low-<br>luminosity quasars at $z > \sim 6$<br>Izumi | EA | 12-m      | 6     |      |
| 09:15:59          | 10:54:01 | 2016.1.00386.S | M83_f_06_7M       | Molecular Clouds and Star Formation: Sakamoto<br>Across M83   | EA | 7-m       | 6     |      |
| 08:37:13          | 09:32:31 | 2016.1.01046.S | TW_Hya_a_06_TM1   | Complex Organics in Solar Nebula<br>Analog<br>Loomis  | NA | 12-m      | 6     |      |
| 07:44:44          | 08:35:35 | 2016.1.00177.S | IRAS_F10_a_03_TM1 | Identifying molecular outflows in our<br>neighborhood<br>Lutz   | EU | 12-m      | 3     |      |
| 07:26:55          | 07:43:08 | 2016.1.01559.S | ID107_a_06_TM1    | Resolved Kennicutt-Schmidt law at<br>$z \sim 0.3$<br>Leslie   | EU | 12-m      | 6     |      |
| 06:48:50          | 07:26:13 | 2016.1.00534.S | 400569_a_04_TM1   | Molecular gas excitation in $z=0.7$ main<br>sequence galaxies<br>Weiss  | EU | 12-m      | 4     |      |
| 05:54:17          | 06:48:31 | 2016.1.00177.S | IRAS_F09_a_03_TM1 | Identifying molecular outflows in our<br>neighborhood<br>Lutz   | EU | 12-m      | 3     |      |
| 04:47:47          | 05:48:30 | 2016.1.00782.S | N159S_a_03_TM1    | What hinders massive star formation<br>in a massive quiescent giant<br>molecular cloud at low metallicity<br>Chen       | EU | 12-m      | 3     |      |
| 03:40:25          | 04:47:23 | 2016.1.01043.S | Abell_61_a_03_TM1 | Determining the Physical State of<br>Mason  | NA | 12-m      | 3     |      |

| 01:33:29          | 02:55:50 | 2016.1.01287.S | GRH_nort_a_04_TM1 | Two Massive, Dynamically Ambiguous Galaxy Clusters<br>Confirming a massive proto-cluster of Oteo submm galaxies at $z \sim 6$ discovered by ALMA |               | EU        | 12-m        | 4    |
|-------------------|----------|----------------|-------------------|--|---------------|-----------|-------------|------|
| <b>2016-12-28</b> |          |                |                   |  |               |           |             |      |
| Start (UT)        | End (UT) | Project Code   | SchedBlock        | Project Title  | PI            | Executive | Array       | Band |
| 23:58:06          | 01:14:17 | 2016.1.01287.S | GRH_nort_a_04_TM1 | Confirming a massive proto-cluster of Oteo submm galaxies at $z \sim 6$ discovered by ALMA   |               | EU        | 12-m        | 4    |
| 11:28:23          | 13:02:03 | 2016.1.00386.S | M83_e_06_7M       | Molecular Clouds and Star Formation: Sakamoto Across M83   |               | EA        | 7-m         | 6    |
| 10:38:22          | 11:55:17 | 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    |
| 09:49:35          | 11:28:04 | 2016.1.00386.S | M83_c_06_7M       | Molecular Clouds and Star Formation: Sakamoto Across M83   |               | EA        | 7-m         | 6    |
| 09:22:22          | 10:37:34 | 2015.1.00428.S | MACS1149_e_07_TE  | Detecting FIR [OIII] emission from a galaxy candidate at $z \sim 10$ : a wedge into the pre-reionization era                                     | Inoue         | EA        | 12-m        | 7    |
| 08:17:39          | 09:49:16 | 2016.1.00843.S | n4636_a_06_7M     | CO and AGN feedback in massive galaxies  | Temi          | NA        | 7-m         | 6    |
| 08:12:47          | 09:21:54 | 2015.A.00026.S | ZF-COSMO_a_08_TM1 | On or Off? Resolving the surprising submm emission from a record-breaking "quiescent" galaxy at $z=3.717$  | Schreiber     | EU        | 12-m        | 8    |
| 07:03:13          | 08:12:31 | 2015.A.00026.S | ZF-COSMO_a_08_TM1 | On or Off? Resolving the surprising submm emission from a record-breaking "quiescent" galaxy at $z=3.717$  | Schreiber     | EU        | 12-m        | 8    |
| 06:04:41          | 07:02:54 | 2016.1.00196.S | OH_231.8_a_07_TM1 | To launch or not: A study of magnetic fields in post-AGB objects with and without massive outflows   | Sahai         | NA        | 12-m        | 7    |
| 05:17:15          | 07:20:41 | 2015.1.00393.S | Target_a_1_08_7M  | CI observations toward compact molecular clouds associated with isolated intermediate- and high-mass YSOs in the LMC                             | Harada        | EA        | 7-m         | 8    |
| 04:32:48          | 06:04:21 | 2016.1.00196.S | OH_231.8_a_07_TM1 | To launch or not: A study of magnetic fields in post-AGB objects with and without massive outflows   | Sahai         | NA        | 12-m        | 7    |
| 03:14:31          | 04:32:13 | 2015.1.00870.S | 7670_a_07_TE      | Evolution of the interstellar gas fraction over cosmic time  | Wiklind       | NA        | 12-m        | 7    |
| 03:14:31          | 05:16:57 | 2015.1.00393.S | Target_a_1_08_7M  | CI observations toward compact molecular clouds associated with isolated intermediate- and high-mass YSOs in the LMC                             | Harada        | EA        | 7-m         | 8    |
| 02:12:19          | 02:43:54 | 2016.1.00819.T | GRB16121_c_03_TM1 | Gamma-ray Burst Physics with ALMA:Laskar Direct Implications for the Explosions and Progenitors  |               | NA        | 12-m        | 3    |
| 01:38:42          | 02:09:56 | 2016.1.00819.T | GRB16121_c_03_TM1 | Gamma-ray Burst Physics with ALMA:Laskar Direct Implications for the Explosions and Progenitors  |               | NA        | 12-m        | 3    |
| <b>2016-12-27</b> |          |                |                   |  |               |           |             |      |
| Start (UT)        | End (UT) | Project Code   | SchedBlock        | Project Title  | PI            | Executive | Array       | Band |
| 23:35:43          | 00:49:17 | 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    |
| 21:46:34          | 23:03:41 | 2016.1.01287.S | GRH_nort_a_04_TM1 | Confirming a massive proto-cluster of Oteo submm galaxies at $z \sim 6$ discovered by ALMA   |               | EU        | 12-m        | 4    |
| 19:42:33          | 21:11:24 | 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    |
| 19:42:31          | 20:57:45 | 2016.1.00620.S | W49N_a_06_TP      | The Core Mass Function and its Evolution in an Extreme Protocluster  | Ginsburg      | EU        | Total Power | 6    |
| 19:38:21          | 20:54:41 | 2016.1.01071.S | W51_a_03_TM1      | Investigating the missing piece of the prebiotic chemistry puzzle: Interstellar Phosphorus   | Rivilla       | EU        | 12-m        | 3    |
| 15:19:09          | 16:33:15 | 2016.1.01146.S | G14.114-_a_03_TP  | Assessing Stability of Filamentary Accretion Flows around the  | Chen          | EA        | Total Power | 3    |

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|-------------------|-----------------|---------------------|-------------------|--|----------------|------------------|--------------|-------------|
| 12:14:31          | 12:39:09        | 2016.1.00994.S      | HATLASJ1_b_06_TM1 | Protocluster G14.114-0.574<br>Validating the L850-MH2 calibration with Herschel-ATLAS galaxies up to z~0.4     | Hughes         | CL               | 12-m         | 6           |
| 04:32:47          | 05:16:54        | 2016.1.01135.S      | ngc1600_a_07_TM1  | Black Hole Masses, central parsec gas dynamics, and Event Horizon Detectability in a sample of nearby galaxies | Nagar          | CL               | 12-m         | 7           |
| 02:53:13          | 03:22:30        | 2016.1.00724.S      | DM_Tau_a_06_TM2   | Turbulence in a Sample of Protoplanetary Disks   | Flaherty       | NA               | 12-m         | 6           |
| 02:26:06          | 02:52:53        | 2016.1.00724.S      | MWC_480_a_06_TM2  | Turbulence in a Sample of Protoplanetary Disks   | Flaherty       | NA               | 12-m         | 6           |
| 01:02:14          | 02:25:47        | 2016.1.00215.S      | ngc253_a_03_TM1   | Determination of the 12C/13C isotopic ratio in the nearby starburst galaxy NGC 253                             | Muraoka        | EA               | 12-m         | 3           |
| <b>2016-12-26</b> |                 |                     |                   |  |                |                  |              |             |
| <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> |
| 23:26:16          | 00:43:28        | 2016.1.00215.S      | ngc253_a_03_TM1   | Determination of the 12C/13C isotopic ratio in the nearby starburst galaxy NGC 253                             | Muraoka        | EA               | 12-m         | 3           |
| <b>2016-12-25</b> |                 |                     |                   |  |                |                  |              |             |
| <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> |
| 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      | CI_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 ISM: Shock-Induced Evolution in M83 Nucleus                              | Harada         | EA               | 12-m         | 3           |
| 08:34:57          | 09:37:40        | 2016.1.00164.S      | M83_a_03_TM1      | Chemical Diagnostics of Extragalactic ISM: Shock-Induced Evolution in M83 Nucleus                              | Harada         | 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 Massive, Dynamically Ambiguous Galaxy Clusters                               | Mason          | NA               | 12-m         | 3           |
| 05:32:29          | 06:38:48        | 2016.1.01043.S      | Abell_61_a_03_TM1 | Determining the Physical State of Massive, Dynamically Ambiguous Galaxy Clusters                               | Mason          | NA               | 12-m         | 3           |
| 04:15:29          | 05:32:01        | 2016.1.01288.S      | FJ085403_a_04_TM1 | The molecular gas properties of radio-AGN at z~0.6   | Best           | 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           |
| <b>2016-12-24</b> |                 |                     |                   |  |                |                  |              |             |
| <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> |
| 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 ISM: Shock-Induced Evolution in M83 Nucleus                              | Harada         | 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   | Izumi          | EA               | 12-m         | 6           |

|          |          |                |                   |  |                  |    |             |   |
|----------|----------|----------------|-------------------|--|------------------|----|-------------|---|
| 09:27:49 | 10:02:03 | 2016.1.00952.S | HE1353-1_a_03_TM2 | low-luminosity quasars at $z > \sim 6$<br>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: Sakamoto Across M83   |                  | 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 |

### 2016-12-23

| 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    |

### 2016-12-22

| 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  | Chen     | EA        | Total Power | 3    |

| Start (UT)        | End (UT) | Project Code   | SchedBlock        | Project Title  | PI            | Executive | Array       | Band |
|-------------------|----------|----------------|-------------------|--|---------------|-----------|-------------|------|
| 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 formation? |               | 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: Across M83  | Sakamoto      | 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  | Zhang         | EU        | 12-m        | 3    |

| 11:26:41          | 12:43:49 | 2016.1.00843.S | n5846_a_06_7M     | mode across the cosmic time<br>CO and AGN feedback in massive galaxies                                   | Temí      | 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: Across M83  | Sakamoto  | 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: Direct Implications for the Explosions and Progenitors                | Laskar    | NA        | 12-m        | 3    |
| <b>2016-12-20</b> |          |                |                   |  |           |           |             |      |
| 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 ratio in the nearby starburst galaxy NGC 253                       | Muraoka   | 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_CI_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 eyes: What is the effect of luminous radio activity on star formation? | Stanley   | 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 eyes: What is the effect of luminous radio activity on star formation? | Stanley   | 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 eyes: What is the effect   | Stanley   | 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    |
| <b>2016-12-19</b> |          |                |                   |  |            |           |             |      |
| 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 Leiva Chariklo  |            | 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 Venus atmosphere discovered by the Venus Climate Orbiter, AKATSKI           | Maezawa    | EA        | 7-m         | 7    |
| 10:01:31          | 10:33:25 | 2016.1.00386.S | M83_e_06_TP       | Molecular Clouds and Star Formation: Sakamoto Across M83   |            | EA        | Total Power | 6    |
| 09:58:37          | 11:14:25 | 2016.1.01604.S | 816106_a_07_TM1   | A spatially resolved Kennicutt-Schmidt relation for a mass-complete sample of star-forming galaxies at z~1.5 | Magnelli   | EU        | 12-m        | 7    |
| 08:45:44          | 09:58:05 | 2016.1.01604.S | 816106_a_07_TM1   | A spatially resolved Kennicutt-Schmidt relation for a mass-complete sample of star-forming galaxies at z~1.5 | Magnelli   | EU        | 12-m        | 7    |
| 08:29:02          | 09:40:22 | 2016.1.00386.S | M83_e_06_TP       | Molecular Clouds and Star Formation: Sakamoto Across M83   |            | EA        | Total Power | 6    |
| 07:32:18          | 08:45:11 | 2016.1.00569.S | SDSS_J08_a_07_TM1 | Characterizing Absorption-Selected High-z Galaxies (CASH) Survey   | Neeleman   | NA        | 12-m        | 7    |
| 06:20:38          | 07:31:56 | 2016.1.00569.S | SDSS_J08_a_07_TM1 | Characterizing Absorption-Selected High-z Galaxies (CASH) Survey   | Neeleman   | NA        | 12-m        | 7    |
| 05:11:07          | 06:20:19 | 2016.1.00196.S | Red_Rect_a_07_TM1 | To launch or not: A study of magnetic fields in post-AGB objects with and without massive outflows           | Sahai      | NA        | 12-m        | 7    |
| 04:08:50          | 05:35:34 | 2015.1.01082.S | Orion_Ba_a_07_7M  | ALMA imaging of the Orion Bar: Density structures and chemical stratification in PDRs                        | Goicoechea | EU        | 7-m         | 7    |
| 03:39:10          | 05:10:51 | 2016.1.00196.S | Red_Rect_a_07_TM1 | To launch or not: A study of magnetic fields in post-AGB objects with and without massive outflows           | Sahai      | NA        | 12-m        | 7    |
| 02:25:34          | 03:22:49 | 2016.1.01520.S | Per33_L1_a_07_TM2 | Spiral Structure and Clump Kinematics in the Gravitationally Unstable Disk Around L1448 IRS3B                | Tobin      | EU        | 12-m        | 7    |
| 01:09:16          | 01:30:20 | 2016.1.00654.S | SPT0346-_a_06_TM1 | [NII] 205 um at z~3-5.7  | Brisbin    | CL        | 12-m        | 6    |
| <b>2016-12-18</b> |          |                |                   |  |            |           |             |      |
| Start (UT)        | End (UT) | Project Code   | SchedBlock        | Project Title  | PI         | Executive | Array       | Band |
| 23:34:27          | 00:01:55 | 2016.1.00654.S | SPT2311-_a_07_TM1 | [NII] 205 um at z~3-5.7  | Brisbin    | CL        | 12-m        | 7    |
| 23:22:48          | 00:26:05 | 2016.1.01489.T | Venus_b_07_TP     | Study of a bow-type structure of Venus atmosphere discovered by the Venus Climate Orbiter, AKATSKI           | Maezawa    | EA        | Total Power | 7    |
| 22:02:51          | 23:18:45 | 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    |

| 10:53:38          | 11:31:59 | 2016.1.00701.S | Jupiter_a_06_7M   | ALMA maps of Jupiter during the Juno era  | de Pater      | NA        | 7-m         | 6    |
|-------------------|----------|----------------|-------------------|---|---------------|-----------|-------------|------|
| 10:30:21          | 11:13:30 | 2016.1.00714.S | B1251-71_a_03_TM1 | Chameleon's Dark Neutral Matter   | Liszt         | NA        | 12-m        | 3    |
| 07:18:09          | 08:39:52 | 2016.1.00104.S | hd92945_a_07_TM1  | Double-ring debris disks at 10s of au: probing how far out planets can form                             | Marino        | EU        | 12-m        | 7    |
| 06:11:41          | 07:16:39 | 2016.1.00297.S | Orion_KL_e_07_TM1 | Search for Interstellar Pyrimidine  | Kuan          | EA        | 12-m        | 7    |
| 04:56:17          | 06:07:15 | 2016.1.00117.S | MACSJ041_a_07_TM1 | FIR [O III] emission from a z ~ 8 candidate galaxy: A glimpse into early production of heavy elements   | Tamura        | EA        | 12-m        | 7    |
| 02:54:40          | 03:55:14 | 2015.1.00657.S | mwc480_e_07_TE    | A spectral line survey of disks   | Oberg         | NA        | 12-m        | 7    |
| 01:14:32          | 02:28:39 | 2016.1.00324.L | UDF_mosa_a_03_TM1 | ASPECS: The ALMA SPECtral line Survey in the UDF - An ALMA Large Program                                | Walter        | CL EU NA  | 12-m        | 3    |
| <b>2016-12-17</b> |          |                |                   |   |               |           |             |      |
| Start (UT)        | End (UT) | Project Code   | SchedBlock        | Project Title   | PI            | Executive | Array       | Band |
| 23:50:10          | 01:14:09 | 2016.1.00324.L | UDF_mosa_c_03_TM1 | ASPECS: The ALMA SPECtral line Survey in the UDF - An ALMA Large Program                                | Walter        | CL EU NA  | 12-m        | 3    |
| 23:04:11          | 00:41:41 | 2016.1.01489.T | Venus_a_07_TP     | Study of a bow-type structure of Venus atmosphere discovered by the Venus Climate Orbiter, AKATSKI      | Maezawa       | EA        | Total Power | 7    |
| 22:54:07          | 00:58:23 | 2016.1.00907.S | hr_8799_a_07_7M   | Planet-disk interactions in the HR 8799 system  | Faramaz       | CL        | 7-m         | 7    |
| 22:39:54          | 23:37:43 | 2016.1.00057.S | ep_aqr_a_06_TM2   | Observing the inner wind of the circumstellar environment of EP Aqr.                                    | Homan         | EU        | 12-m        | 6    |
| 10:21:41          | 11:42:53 | 2016.1.00104.S | hd92945_a_07_TM1  | Double-ring debris disks at 10s of au: probing how far out planets can form                             | Marino        | EU        | 12-m        | 7    |
| 09:22:46          | 11:08:35 | 2016.1.00386.S | M83_c_06_7M       | Molecular Clouds and Star Formation: Across M83   | Sakamoto      | EA        | 7-m         | 6    |
| 09:02:13          | 10:05:31 | 2016.1.01018.S | CT_Cha_A_a_07_TM1 | The Masses, Diversity, and Evolution of Circum-Planetary Disks  | Bowler        | NA        | 12-m        | 7    |
| 07:47:34          | 08:53:57 | 2016.1.00569.S | SDSS_J08_a_07_TM1 | Characterizing Absorption-Selected High-z Galaxies (CASH) Survey  | Neeleman      | NA        | 12-m        | 7    |
| 06:30:52          | 07:38:45 | 2016.1.00297.S | Orion_KL_a_07_TM1 | Search for Interstellar Pyrimidine  | Kuan          | EA        | 12-m        | 7    |
| 05:11:03          | 06:23:09 | 2016.1.00117.S | MACSJ041_a_07_TM1 | FIR [O III] emission from a z ~ 8 candidate galaxy: A glimpse into early production of heavy elements   | Tamura        | EA        | 12-m        | 7    |
| 03:50:37          | 04:51:52 | 2015.1.00657.S | mwc480_e_07_TE    | A spectral line survey of disks   | Oberg         | NA        | 12-m        | 7    |
| 02:11:11          | 03:20:51 | 2015.1.00870.S | 7670_a_07_TE      | Evolution of the interstellar gas fraction over cosmic time   | Wiklind       | NA        | 12-m        | 7    |
| 01:40:49          | 02:07:34 | 2016.1.00236.T | spt0348_a_07_TM1  | Unlensed HyLIRG systems from the South Pole Telescope 2500deg <sup>2</sup> survey                       | Chapman       | NA        | 12-m        | 7    |
| <b>2016-12-16</b> |          |                |                   |   |               |           |             |      |
| Start (UT)        | End (UT) | Project Code   | SchedBlock        | Project Title   | PI            | Executive | Array       | Band |
| 23:29:09          | 01:10:41 | 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    |
| 22:00:37          | 23:17:49 | 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    |
| 20:32:57          | 22:10:09 | 2016.1.01363.S | CloudG_a_03_7M    | Widespread SiO in IRDCs: Cloud-Cloud Collision Formation of Molecular Cloud Filaments?                  | Jimenez-Serra | EU        | 7-m         | 3    |
| 20:26:17          | 21:44:01 | 2016.1.00268.S | W51e2_a_03_TM1    | Probing Inward Motion of Magnetized Gas in Massive Star Forming Region W51e2/e8: From 0.5 pc to 1500 AU | Su            | EA        | 12-m        | 3    |
| 20:25:51          | 21:41:17 | 2016.1.00620.S | W49N_a_06_TP      | The Core Mass Function and its Evolution in an Extreme Protocluster                                     | Ginsburg      | EU        | Total Power | 6    |
| 16:18:09          | 16:45:57 | 2016.1.00314.S | RCW120_c_03_TM1   | Dissecting to decipher: an ALMA study of the high-mass star formation processes in RCW 120              | Bronfman      | CL        | 12-m        | 3    |
| 11:26:01          | 12:18:38 | 2016.1.00191.S | S25_a_06_TM1      | Characterizing the hot molecular core phase   | Sanchez-Monge | EU        | 12-m        | 6    |

|          |          |                |                   |  |                |          |             |   |
|----------|----------|----------------|-------------------|--|----------------|----------|-------------|---|
| 10:11:21 | 11:14:57 | 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 |
| 09:31:01 | 10:11:29 | 2016.1.00386.S | M83_e_06_TP       | Molecular Clouds and Star Formation: Sakamoto Across M83   |                | EA       | Total Power | 6 |
| 09:25:32 | 10:00:43 | 2016.1.01426.S | PACS_819_b_06_TM1 | High-resolution mapping of molecular gas in starbursts at $z \sim 1.5$   | Silverman      | EA       | 12-m        | 6 |
| 08:21:34 | 09:11:05 | 2016.1.00311.S | TW_Hya_a_06_TM2   | TW Hya as a Chemical Rosetta Stone   | Cleeves        | NA       | 12-m        | 6 |
| 07:20:45 | 08:08:58 | 2016.1.01217.S | irc+1021_a_04_TM1 | Large spatial scale interaction of gas phase Si-C molecules and dust grains                                      | Velilla-Prieto | EU       | 12-m        | 4 |
| 06:05:05 | 06:57:25 | 2016.1.00656.S | Target5_a_03_TM1  | Filling the gap of CO line emission detections at high redshift  | González López | CL       | 12-m        | 3 |
| 05:33:44 | 06:02:24 | 2016.A.00008.T | S255_NIR_a_03_TM1 | Monitoring the first ever detected accretion burst from a massive (proto)star: How accretion turns into ejection | Cesaroni       | EU       | 12-m        | 3 |
| 04:02:50 | 05:33:13 | 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 |
| 02:48:11 | 04:02:12 | 2016.1.00324.L | UDF_mosa_c_03_TM1 | ASPECS: The ALMA SPECTral line Survey in the UDF - An ALMA Large Program   | Walter         | CL EU NA | 12-m        | 3 |
| 01:14:38 | 02:29:07 | 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 |

### 2016-12-15

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title   | PI         | Executive | Array | Band |
|------------|----------|----------------|-------------------|---|------------|-----------|-------|------|
| 22:28:12   | 23:44:16 | 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    |
| 10:36:10   | 11:39:26 | 2016.1.00164.S | M83_b_03_TM1      | Chemical Diagnostics of Extragalactic ISM: Shock-Induced Evolution in M83 Nucleus                   | Harada     | EA        | 12-m  | 3    |
| 10:05:23   | 11:33:36 | 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    |
| 09:10:50   | 10:26:54 | 2016.1.01250.S | Q1130-14_a_03_TM1 | Toward the Baryon Census of a $z=0.31$ Galaxy Group and Diffuse Gas Structure                       | Peroux     | EU        | 12-m  | 3    |
| 07:29:36   | 08:38:46 | 2016.1.01250.S | Q1130-14_a_03_TM1 | Toward the Baryon Census of a $z=0.31$ Galaxy Group and Diffuse Gas Structure                       | Peroux     | EU        | 12-m  | 3    |
| 06:35:10   | 07:26:49 | 2016.1.00329.S | 12J09023_b_03_TM1 | Testing the cold ISM removal mechanism in passive galaxies  | Michaowski | EU        | 12-m  | 3    |
| 06:27:06   | 07:58:47 | 2016.1.00681.S | OMC2-FIR_a_03_7M  | Are hydrogen and nitrogen isotope fractionations related in Sun-like protoclusters?                 | Fontani    | EU        | 7-m   | 3    |
| 05:13:09   | 06:27:16 | 2016.1.00324.L | UDF_mosa_a_03_TM1 | ASPECS: The ALMA SPECTral line Survey in the UDF - An ALMA Large Program                            | Walter     | CL EU NA  | 12-m  | 3    |
| 04:47:40   | 06:19:24 | 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    |
| 03:59:00   | 05:12:49 | 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    |
| 02:42:52   | 04:14:03 | 2016.1.00681.S | OMC2-FIR_a_03_7M  | Are hydrogen and nitrogen isotope fractionations related in Sun-like protoclusters?                 | Fontani    | EU        | 7-m   | 3    |
| 01:36:21   | 02:51:13 | 2016.1.00324.L | UDF_mosa_c_03_TM1 | ASPECS: The ALMA SPECTral line Survey in the UDF - An ALMA Large Program                            | Walter     | CL EU NA  | 12-m  | 3    |

### 2016-12-14

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title  | PI       | Executive | Array | Band |
|------------|----------|----------------|-------------------|--|----------|-----------|-------|------|
| 23:55:09   | 01:35:39 | 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    |
| 23:14:42   | 23:48:39 | 2016.1.00952.S | HE2302-0_a_03_TM2 | Resolving molecular outflows in nearby luminous AGN from the CARS survey | Tremblay | NA        | 12-m  | 3    |

| 22:07:00          | 22:29:21 | 2016.1.00215.S | ngc253_b_03_TM1   | Determination of the 12C/13C isotopic ratio in the nearby starburst galaxy NGC 253                  |         | EA        | 12-m        | 3    |
|-------------------|----------|----------------|-------------------|---|---------|-----------|-------------|------|
| 11:26:34          | 12:53:09 | 2016.1.00386.S | M83_e_06_TP       | Molecular Clouds and Star Formation: Sakamoto Across M83  |         | EA        | Total Power | 6    |
| 11:20:21          | 12:51:16 | 2016.1.01184.S | s9_a_06_TM1       | Accurate gas-to-dust ratios with [C] at z~1   | Bourne  | EU        | 12-m        | 6    |
| 09:56:43          | 11:09:28 | 2016.1.01184.S | s9_a_06_TM1       | Accurate gas-to-dust ratios with [C] at z~1   | Bourne  | EU        | 12-m        | 6    |
| 09:55:11          | 11:06:20 | 2016.1.00386.S | M83_e_06_TP       | Molecular Clouds and Star Formation: Sakamoto Across M83  |         | EA        | Total Power | 6    |
| 09:53:19          | 11:36:40 | 2016.1.00386.S | M83_e_06_7M       | Molecular Clouds and Star Formation: Sakamoto Across M83  |         | EA        | 7-m         | 6    |
| 08:43:19          | 09:41:22 | 2016.1.01184.S | s9_a_06_TM1       | Accurate gas-to-dust ratios with [C] at z~1   | Bourne  | EU        | 12-m        | 6    |
| 07:36:39          | 08:34:37 | 2016.1.01184.S | s9_a_06_TM1       | Accurate gas-to-dust ratios with [C] at z~1   | Bourne  | EU        | 12-m        | 6    |
| 06:31:01          | 08:01:43 | 2016.1.00681.S | OMC2-FIR_a_03_7M  | Are hydrogen and nitrogen isotope fractionations related in Sun-like protoclusters?                 | Fontani | EU        | 7-m         | 3    |
| 05:03:12          | 06:01:06 | 2015.1.00657.S | mwc480_d_07_TE    | A spectral line survey of disks   | Oberg   | NA        | 12-m        | 7    |
| 04:25:25          | 05:56:50 | 2016.1.00681.S | OMC2-FIR_a_03_7M  | Are hydrogen and nitrogen isotope fractionations related in Sun-like protoclusters?                 | Fontani | EU        | 7-m         | 3    |
| 03:38:55          | 05:02:46 | 2015.1.00870.S | 04878_a_07_TE     | Evolution of the interstellar gas fraction over cosmic time   | Wiklind | NA        | 12-m        | 7    |
| 02:18:16          | 03:22:03 | 2015.1.00147.S | NGC1333__a_07_TC  | Probing the Inward Motion in the Class 0 Protostar NGC 1333 IRAS 4A                                 | Su      | EA        | 12-m        | 7    |
| 01:02:47          | 02:07:35 | 2016.1.00768.S | GRB08122_a_07_TM1 | Luminous, Dust-Enshrouded High-z Galaxies Selected by Gamma-Ray Bursts                              | Perley  | EU        | 12-m        | 7    |
| 00:51:17          | 01:52:13 | 2016.1.00133.T | SPT0202-_a_06_7M  | An ACA N+ survey of z=3-7 DSFGs from the South Pole Telescope survey                                | Chapman | NA        | 7-m         | 6    |
| <b>2016-12-13</b> |          |                |                   |   |         |           |             |      |
| Start (UT)        | End (UT) | Project Code   | SchedBlock        | Project Title   | PI      | Executive | Array       | Band |
| 23:52:38          | 00:43:12 | 2016.1.00236.T | spt2349_a_07_TM1  | Unlensed HyLIRG systems from the South Pole Telescope 2500deg^2 survey                              | Chapman | NA        | 12-m        | 7    |
| 22:45:15          | 23:32:14 | 2016.1.01311.S | IMSJ2204_a_06_TM1 | Quasar Feedback in the Early Universe: Lowest Eddington Ratio Quasar at z~6                         | Kim     | EA        | 12-m        | 6    |
| 20:22:35          | 21:02:08 | 2016.1.00641.S | 10199_Ch_a_06_TP  | Search for gas emission from Centaur Leiva Chariklo   |         | CL        | Total Power | 6    |
| 20:21:40          | 21:13:35 | 2016.1.00057.S | ep_aqr_a_06_TM2   | Observing the inner wind of the circumstellar environment of EP Aqr.                                | Homan   | EU        | 12-m        | 6    |
| 16:03:05          | 17:20:07 | 2016.1.00147.S | gc_2_a_03_TM1     | Is the Molecular Inflow in the Galactic Center Transient?   | Hsieh   | EA        | 12-m        | 3    |
| 15:23:27          | 16:34:40 | 2016.1.00386.S | M83_e_06_TP       | Molecular Clouds and Star Formation: Sakamoto Across M83  |         | EA        | Total Power | 6    |
| 11:30:23          | 12:12:52 | 2016.1.01347.S | AGAL332._a_06_TM2 | Extremely high velocity jets from massive YSOs  | Leirini | EU        | 12-m        | 6    |
| 11:05:58          | 12:13:44 | 2016.1.00386.S | M83_e_06_TP       | Molecular Clouds and Star Formation: Sakamoto Across M83  |         | EA        | Total Power | 6    |
| 10:32:33          | 12:10:26 | 2016.1.00386.S | M83_e_06_7M       | Molecular Clouds and Star Formation: Sakamoto Across M83  |         | EA        | 7-m         | 6    |
| 10:06:34          | 11:16:11 | 2016.1.01400.S | NGC5496_a_07_TM1  | The secret lives of BADGRS  | Dunne   | EU        | 12-m        | 7    |
| 09:43:52          | 10:55:08 | 2016.1.00386.S | M83_e_06_TP       | Molecular Clouds and Star Formation: Sakamoto Across M83  |         | EA        | Total Power | 6    |
| 08:49:01          | 10:21:30 | 2016.1.00386.S | M83_e_06_7M       | Molecular Clouds and Star Formation: Sakamoto Across M83  |         | EA        | 7-m         | 6    |
| 08:41:22          | 10:02:44 | 2016.1.00104.S | hd92945_a_07_TM1  | Double-ring debris disks at 10s of au: probing how far out planets can form                         | Marino  | EU        | 12-m        | 7    |
| 08:31:11          | 09:42:18 | 2016.1.00386.S | M83_e_06_TP       | Molecular Clouds and Star Formation: Sakamoto Across M83  |         | EA        | Total Power | 6    |
| 07:39:25          | 08:28:13 | 2016.1.00782.S | N159S_b_03_7M     | What hinders massive star formation in a massive quiescent giant molecular cloud at low metallicity | Chen    | EU        | 7-m         | 3    |
| 06:06:43          | 07:38:52 | 2016.1.01123.S | L1641S1_a_03_7M   | Formation and early evolution of embedded proto-clusters  | Hacar   | EU        | 7-m         | 3    |

|          |          |                |                   |  |        |          |             |   |
|----------|----------|----------------|-------------------|--|--------|----------|-------------|---|
| 05:53:32 | 07:11:01 | 2016.1.00324.L | UDF_mosa_a_03_TM1 | ASPECS: The ALMA SPECTral line Survey in the UDF - An ALMA Large Program   | Walter | CL EU NA | 12-m        | 3 |
| 04:56:13 | 05:53:11 | 2015.1.00657.S | mwc480_d_07_TE    | A spectral line survey of disks  | Oberg  | NA       | 12-m        | 7 |
| 03:34:52 | 04:55:34 | 2015.1.00657.S | mwc480_c_07_TE    | A spectral line survey of disks  | Oberg  | NA       | 12-m        | 7 |
| 01:45:15 | 02:59:36 | 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 |
| 01:32:12 | 02:05:58 | 2015.1.00393.S | query_a_08_TP     | CI observations toward compact molecular clouds associated with isolated intermediate- and high-mass YSOs in the LMC | Harada | EA       | Total Power | 8 |
| 00:04:41 | 01:44:48 | 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 |

## 2016-12-12

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title  | PI              | Executive | Array       | Band |
|------------|----------|----------------|-------------------|--|-----------------|-----------|-------------|------|
| 20:54:03   | 22:00:00 | 2016.1.01372.S | g34mm12_a_03_TM1  | Gravity vs B-field in massive-star forming clouds: Who is in the driving seat?                                       | Koch            | EA        | 12-m        | 3    |
| 11:15:10   | 11:40:54 | 2016.1.00924.S | Antennae_b_07_TM2 | Understanding the Formation of Globular Clusters   | Johnson         | NA        | 12-m        | 7    |
| 10:56:11   | 11:48:17 | 2016.1.01141.S | IRAS_153_a_06_7M  | Formation and Evolutionary Processes of Low-mass YSOs in Lupus   | Takahashi       | EA        | 7-m         | 6    |
| 10:36:27   | 11:47:28 | 2016.1.00386.S | M83_e_06_TP       | Molecular Clouds and Star Formation: Sakamoto Across M83   |                 | EA        | Total Power | 6    |
| 10:09:24   | 11:03:47 | 2016.1.00386.S | M83_c_06_TM1      | Molecular Clouds and Star Formation: Sakamoto Across M83   |                 | EA        | 12-m        | 6    |
| 09:24:57   | 10:36:13 | 2016.1.00386.S | M83_e_06_TP       | Molecular Clouds and Star Formation: Sakamoto Across M83   |                 | EA        | Total Power | 6    |
| 09:24:48   | 10:55:42 | 2016.1.00164.S | M83_c_06_7M       | Chemical Diagnostics of Extragalactic Harada ISM: Shock-Induced Evolution in M83 Nucleus                             |                 | EA        | 7-m         | 6    |
| 08:56:47   | 09:58:20 | 2016.1.01184.S | s13ii_a_06_TM1    | Accurate gas-to-dust ratios with [C] at Bourne z~1   |                 | EU        | 12-m        | 6    |
| 07:53:42   | 08:55:18 | 2016.1.01184.S | s13ii_a_06_TM1    | Accurate gas-to-dust ratios with [C] at Bourne z~1   |                 | EU        | 12-m        | 6    |
| 06:54:28   | 07:53:12 | 2016.1.00297.S | Orion_KL_c_07_TM1 | Search for Interstellar Pyrimidine   | Kuan            | EA        | 12-m        | 7    |
| 05:58:19   | 07:30:35 | 2016.1.01123.S | L1641S1_a_03_7M   | Formation and early evolution of embedded proto-clusters   | Hacar           | EU        | 7-m         | 3    |
| 05:32:14   | 06:26:30 | 2015.1.00393.S | Target_a_5_08_TP  | CI observations toward compact molecular clouds associated with isolated intermediate- and high-mass YSOs in the LMC | Harada          | EA        | Total Power | 8    |
| 05:29:15   | 06:53:55 | 2015.1.00657.S | mwc480_b_07_TE    | A spectral line survey of disks  | Oberg           | NA        | 12-m        | 7    |
| 04:36:14   | 05:58:00 | 2016.1.01144.S | MonR2_a_03_7M     | Infall and outflow in a filamentary hub  | Treviño-Morales | EU        | 7-m         | 3    |
| 03:47:03   | 05:01:26 | 2016.1.00324.L | UDF_mosa_c_03_TM1 | ASPECS: The ALMA SPECTral line Survey in the UDF - An ALMA Large Program   | Walter          | CL EU NA  | 12-m        | 3    |
| 03:20:19   | 04:15:22 | 2016.1.00133.T | SPT0202-_a_06_7M  | An ACA N+ survey of z=3-7 DSFGs from the South Pole Telescope survey   | Chapman         | NA        | 7-m         | 6    |
| 01:37:43   | 03:16:17 | 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    |
| 01:36:24   | 03:19:26 | 2016.1.00203.S | LMC_N166_a_06_7M  | Tracing evolution of giant molecular clouds in the Large Magellanic Cloud  | Kawamura        | EA        | 7-m         | 6    |

## 2016-12-11

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title  | PI     | Executive | Array       | Band |
|------------|----------|----------------|-------------------|--|--------|-----------|-------------|------|
| 23:42:25   | 01:37:16 | 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    |
| 22:13:47   | 23:25:46 | 2016.1.00485.S | Lyman_al_a_03_TM1 | Dense molecular gas in a giant Lyman-alpha Blob                          | Hine   | EU        | 12-m        | 3    |
| 20:58:56   | 22:11:08 | 2016.1.00485.S | Lyman_al_a_03_TM1 | Dense molecular gas in a giant Lyman-alpha Blob                          | Hine   | EU        | 12-m        | 3    |
| 20:03:43   | 21:27:25 | 2016.1.00641.S | 10199_Ch_a_06_TP  | Search for gas emission from Centaur Leiva Chariklo                      |        | CL        | Total Power | 6    |
| 19:45:47   | 20:57:08 | 2016.1.00485.S | Lyman_al_a_03_TM1 | Dense molecular gas in a giant Lyman-alpha Blob                          | Hine   | EU        | 12-m        | 3    |

|          |          |                |                   |  |                 |          |             |   |
|----------|----------|----------------|-------------------|--|-----------------|----------|-------------|---|
| 15:29:13 | 16:25:58 | 2016.1.01162.S | G357_a_03_TM2     | Evolutionary sequence for the fragmentation of high line-mass filaments  | Kainulainen     | EU       | 12-m        | 3 |
| 10:26:12 | 11:08:47 | 2016.1.01184.S | s6_b_06_TM1       | Accurate gas-to-dust ratios with [C] at $z \sim 1$   | Bourne          | EU       | 12-m        | 6 |
| 09:54:08 | 11:05:22 | 2016.1.00386.S | M83_e_06_TP       | Molecular Clouds and Star Formation: Sakamoto Across M83   |                 | EA       | Total Power | 6 |
| 09:53:35 | 11:31:33 | 2016.1.00386.S | M83_f_06_7M       | Molecular Clouds and Star Formation: Sakamoto Across M83   |                 | EA       | 7-m         | 6 |
| 08:57:56 | 10:15:07 | 2016.1.00104.S | hd107146_a_07_TM1 | Double-ring debris disks at 10s of au: Marino probing how far out planets can form                                   |                 | EU       | 12-m        | 7 |
| 07:54:45 | 09:37:54 | 2016.1.00203.S | LMC_N166_a_06_7M  | Tracing evolution of giant molecular clouds in the Large Magellanic Cloud  | Kawamura        | EA       | 7-m         | 6 |
| 07:54:15 | 08:52:39 | 2016.1.01495.S | TW_Hya_a_07_TM2   | Constraining the Mass of the Planet in the Gap Discovered in the TW Hya Disk   | Nomura          | EA       | 12-m        | 7 |
| 06:23:46 | 07:53:16 | 2016.1.00464.S | TW_Hya_a_07_TM1   | Determining the chemical origin of gas-phase methanol in the TW Hya protoplanetary disk                              | Walsh           | EU       | 12-m        | 7 |
| 06:22:25 | 07:54:13 | 2016.1.00203.S | LMC_N166_a_06_7M  | Tracing evolution of giant molecular clouds in the Large Magellanic Cloud  | Kawamura        | EA       | 7-m         | 6 |
| 05:06:13 | 06:20:26 | 2016.1.00324.L | UDF_mosa_a_03_TM1 | ASPECS: The ALMA SPECTral line Survey in the UDF - An ALMA Large Program   | Walter          | CL EU NA | 12-m        | 3 |
| 04:18:07 | 06:21:53 | 2015.1.00393.S | Target_a_1_08_7M  | CI observations toward compact molecular clouds associated with isolated intermediate- and high-mass YSOs in the LMC | Harada          | EA       | 7-m         | 8 |
| 03:51:32 | 05:05:40 | 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 |
| 02:58:05 | 04:04:37 | 2016.1.01123.S | L1641C_b_03_7M    | Formation and early evolution of embedded proto-clusters   | Hacar           | EU       | 7-m         | 3 |
| 01:25:00 | 02:57:33 | 2016.1.01144.S | MonR2_a_03_7M     | Infall and outflow in a filamentary hub  | Treviño-Morales | EU       | 7-m         | 3 |

## 2016-12-10

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title  | PI       | Executive | Array       | Band |
|------------|----------|----------------|-------------------|--|----------|-----------|-------------|------|
| 23:14:51   | 00:38:50 | 2016.1.00324.L | UDF_mosa_c_03_TM1 | ASPECS: The ALMA SPECTral line Survey in the UDF - An ALMA Large Program   | Walter   | CL EU NA  | 12-m        | 3    |
| 21:56:07   | 23:03:28 | 2016.1.00485.S | Lyman_al_a_03_TM1 | Dense molecular gas in a giant Lyman-alpha Blob  | Hine     | EU        | 12-m        | 3    |
| 11:40:30   | 12:07:26 | 2016.1.00437.S | NGC5806_b_06_TM1  | WISDOM: Extending black hole demographics across the mass-size plane with ALMA   | Davis    | EU        | 12-m        | 6    |
| 11:24:54   | 11:40:12 | 2016.1.01481.S | QSO_J142_a_06_TM2 | Measuring the Spectral Evolution, Structure, and Speed of Extragalactic Jets with ALMA   | Meyer    | NA        | 12-m        | 6    |
| 11:10:17   | 12:08:55 | 2015.1.01134.S | RCW38_b_07_TP     | The youngest massive cluster RCW38 formed via cloud-cloud collision: Revealing the core mass function in the region of O stars in the making | Fukui    | EA        | Total Power | 7    |
| 11:07:25   | 11:22:52 | 2016.1.01481.S | 4C_19.44_a_06_TM2 | Measuring the Spectral Evolution, Structure, and Speed of Extragalactic Jets with ALMA   | Meyer    | NA        | 12-m        | 6    |
| 09:18:32   | 10:45:52 | 2016.1.00464.S | TW_Hya_a_07_TM1   | Determining the chemical origin of gas-phase methanol in the TW Hya protoplanetary disk  | Walsh    | EU        | 12-m        | 7    |
| 08:18:38   | 09:16:52 | 2016.1.00033.S | CIT_6_a_07_TM1    | A bipolar outflow of CIT 6: introduced by an eccentric long-period binary?   | Kim      | EA        | 12-m        | 7    |
| 07:30:24   | 08:13:12 | 2016.1.01184.S | s6_c_06_TM1       | Accurate gas-to-dust ratios with [C] at $z \sim 1$   | Bourne   | EU        | 12-m        | 6    |
| 06:38:56   | 08:11:00 | 2016.1.00203.S | LMC_N166_a_06_7M  | Tracing evolution of giant molecular clouds in the Large Magellanic Cloud  | Kawamura | EA        | 7-m         | 6    |
| 06:24:10   | 07:29:34 | 2016.1.00297.S | Orion_KL_b_07_TM1 | Search for Interstellar Pyrimidine   | Kuan     | EA        | 12-m        | 7    |
| 05:04:44   | 06:36:55 | 2016.1.00203.S | LMC_N166_a_06_7M  | Tracing evolution of giant molecular clouds in the Large Magellanic Cloud  | Kawamura | EA        | 7-m         | 6    |
| 04:52:04   | 06:21:47 | 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    |

|          |          |                |                   |  |          |          |      |   |
|----------|----------|----------------|-------------------|--|----------|----------|------|---|
| 03:32:38 | 05:04:29 | 2016.1.00203.S | LMC_N166_a_06_7M  | Survey in the UDF - An ALMA Large Program<br>Tracing evolution of giant molecular clouds in the Large Magellanic Cloud | Kawamura | EA       | 7-m  | 6 |
| 03:25:54 | 04:40:24 | 2016.1.00324.L | UDF_mosa_a_03_TM1 | ASPECS: The ALMA SPECTral line Survey in the UDF - An ALMA Large Program   | Walter   | CL EU NA | 12-m | 3 |
| 02:06:29 | 03:20:45 | 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 |
| 00:10:49 | 01:41:59 | 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 |

### 2016-12-09

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title   | PI                | Executive | Array       | Band |
|------------|----------|----------------|-------------------|---|-------------------|-----------|-------------|------|
| 11:28:51   | 12:09:51 | 2016.1.00263.S | eso320-g_a_03_TM2 | Dissecting the clumpy structure of the SF powered massive molecular outflow of ESO320-G030                      | Pereira Santaella | EU        | 12-m        | 3    |
| 10:54:27   | 12:00:58 | 2016.1.00386.S | M83_b_06_TP       | Molecular Clouds and Star Formation: Across M83   | Sakamoto          | EA        | Total Power | 6    |
| 10:52:58   | 12:10:47 | 2016.1.00909.S | IRDC316._a_06_7M  | Captured in Action: the Evolution of Core Mass Function from Prestellar to UCHII Stages in a Linear Filament    | Wang              | EU        | 7-m         | 6    |
| 10:29:07   | 11:17:38 | 2016.1.00931.S | NGC_4921_a_06_TM2 | An Anemone galaxy: Dense clouds and filaments at the leading edge of ram pressure stripped Coma spiral NGC 4921 | Kenney            | NA        | 12-m        | 6    |
| 09:22:28   | 10:10:04 | 2016.1.00386.S | M83_b_06_TP       | Molecular Clouds and Star Formation: Across M83   | Sakamoto          | EA        | Total Power | 6    |
| 09:18:49   | 09:48:42 | 2016.1.00191.S | S10_a_06_TM1      | Characterizing the hot molecular core phase   | Sanchez-Monge     | EU        | 12-m        | 6    |
| 08:09:01   | 09:12:39 | 2016.1.01184.S | s12ii_a_06_TM1    | Accurate gas-to-dust ratios with [C] z~1  | Bourne            | EU        | 12-m        | 6    |
| 07:46:05   | 09:17:01 | 2016.1.00782.S | N159S_b_06_7M     | What hinders massive star formation in a massive quiescent giant molecular cloud at low metallicity             | Chen              | EU        | 7-m         | 6    |
| 07:30:33   | 08:07:34 | 2016.1.00191.S | S01_a_06_TM1      | Characterizing the hot molecular core phase   | Sanchez-Monge     | EU        | 12-m        | 6    |
| 06:13:18   | 07:45:22 | 2016.1.00203.S | LMC_N166_a_06_7M  | Tracing evolution of giant molecular clouds in the Large Magellanic Cloud                                       | Kawamura          | EA        | 7-m         | 6    |
| 06:11:33   | 07:30:04 | 2016.1.00324.L | UDF_mosa_c_03_TM1 | ASPECS: The ALMA SPECTral line Survey in the UDF - An ALMA Large Program  | Walter            | CL EU NA  | 12-m        | 3    |
| 04:53:42   | 06:12:54 | 2016.1.00782.S | N159S_b_06_7M     | What hinders massive star formation in a massive quiescent giant molecular cloud at low metallicity             | Chen              | EU        | 7-m         | 6    |
| 04:31:35   | 06:02:01 | 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    |
| 03:14:05   | 04:29:13 | 2016.1.00324.L | UDF_mosa_a_03_TM1 | ASPECS: The ALMA SPECTral line Survey in the UDF - An ALMA Large Program  | Walter            | CL EU NA  | 12-m        | 3    |
| 01:31:54   | 02:47:02 | 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    |
| 01:30:38   | 03:05:54 | 2016.1.01123.S | L1641C_a_03_7M    | Formation and early evolution of embedded proto-clusters  | Hacar             | EU        | 7-m         | 3    |

### 2016-12-08

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title  | PI     | Executive | Array | Band |
|------------|----------|----------------|-------------------|--|--------|-----------|-------|------|
| 23:58:33   | 01:31:24 | 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    |
| 22:14:35   | 23:08:10 | 2015.1.01296.S | NGC346-r_a_03_TE  | Collisional star-formation in the SMC: NGC346                            | Muller | EA        | 12-m  | 3    |
| 21:06:21   | 22:14:10 | 2016.1.00485.S | Lyman_al_a_03_TM1 | Dense molecular gas in a giant Lyman-alpha Blob                          | Hine   | EU        | 12-m  | 3    |