

**ALMA Observing Activity from 2018-07-02T17:59:00 to 2018-07-09T18:00:00**  
**QA0 pass executions**

**2018-07-02**

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title  | PI         | Executive | Array       | Band |
|------------|----------|----------------|-------------------|--|------------|-----------|-------------|------|
| 22:28:41   | 23:14:27 | 2017.1.00886.L | NGC3521_b_06_TM1  | 100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution | Schinnerer | EU NA     | 12-m        | 6    |
| 22:34:07   | 23:53:26 | 2017.1.00886.L | NGC4496A_b_06_TP  | 100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution | Schinnerer | EU NA     | Total Power | 6    |
| 22:48:46   | 00:08:27 | 2017.1.00767.S | IRAS_F14_a_06_7M  | An Unbiased Search for High Velocity Winds in local (U)LIRGs using the 7m Array            | Treister   | CL        | 7-m         | 6    |
| 23:14:34   | 00:26:54 | 2017.1.00257.S | cl1301_a_1_06_TM1 | Fueling and quenching star formation in and around z~0.5 galaxy clusters                   | Jablonka   | EU        | 12-m        | 6    |
| 23:53:33   | 01:12:35 | 2017.1.00886.L | NGC4496A_b_06_TP  | 100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution | Schinnerer | EU NA     | Total Power | 6    |

**2018-07-03**

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title  | PI         | Executive | Array       | Band |
|------------|----------|----------------|-------------------|--|------------|-----------|-------------|------|
| 00:38:51   | 02:29:35 | 2017.A.00046.T | AT2018co_a_06_TM1 | Radio Polarimetry of AT2018cow/ATLAS18qqn  | Huang      | EA        | 12-m        | 6    |
| 00:39:50   | 02:06:05 | 2017.A.00046.T | AT2018co_a_03_7M  | Radio Polarimetry of AT2018cow/ATLAS18qqn  | Huang      | EA        | 7-m         | 3    |
| 02:07:19   | 03:26:46 | 2017.1.00767.S | IRAS_F14_a_06_7M  | An Unbiased Search for High Velocity Winds in local (U)LIRGs using the 7m Array            | Treister   | CL        | 7-m         | 6    |
| 02:29:42   | 04:04:55 | 2017.A.00046.T | AT2018co_a_06_TM1 | Radio Polarimetry of AT2018cow/ATLAS18qqn  | Huang      | EA        | 12-m        | 6    |
| 03:26:53   | 04:09:40 | 2017.1.00767.S | IRAS_180_a_06_7M  | An Unbiased Search for High Velocity Winds in local (U)LIRGs using the 7m Array            | Treister   | CL        | 7-m         | 6    |
| 12:56:50   | 14:30:05 | 2017.1.00955.S | B1-c_a_04_7M      | A search for hot corinos in COM-rich embedded low-mass protostars                          | Bergner    | NA        | 7-m         | 4    |
| 12:57:55   | 13:53:36 | 2017.1.00886.L | NGC1792_a_06_TP   | 100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution | Schinnerer | EU NA     | Total Power | 6    |
| 13:06:05   | 13:48:42 | 2017.1.01093.S | 8086-910_a_03_TM1 | The role of molecular gas in quenching star formation of green valley galaxies             | Lin        | EA        | 12-m        | 3    |
| 13:48:49   | 14:46:58 | 2016.1.00978.S | VIKING-z_a_06_TM1 | Observing Exceptionally Bright Galaxies at z~6.6 in [CII] and Dust Continuum               | Ota        | EU        | 12-m        | 6    |
| 22:40:22   | 00:00:11 | 2017.1.00767.S | IRAS_F14_a_06_7M  | An Unbiased Search for High Velocity Winds in local (U)LIRGs using the 7m Array            | Treister   | CL        | 7-m         | 6    |
| 22:54:36   | 23:46:42 | 2017.1.00886.L | NGC4579_a_06_TM1  | 100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution | Schinnerer | EU NA     | 12-m        | 6    |

**2018-07-04**

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title  | PI         | Executive | Array       | Band |
|------------|----------|----------------|-------------------|--|------------|-----------|-------------|------|
| 00:10:15   | 01:25:39 | 2017.1.00396.S | Pisco_b_05_TM1    | A bright QSO at z~7.5: pushing detailed interstellar medium studies to the earliest cosmic epochs                    | Banados    | NA        | 12-m        | 5    |
| 00:15:58   | 01:28:31 | 2017.1.00886.L | NGC4781_b_06_TP   | 100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution                           | Schinnerer | EU NA     | Total Power | 6    |
| 00:22:45   | 01:42:56 | 2017.1.00767.S | IRAS_F14_a_06_7M  | An Unbiased Search for High Velocity Winds in local (U)LIRGs using the 7m Array                                      | Treister   | CL        | 7-m         | 6    |
| 01:25:44   | 02:14:28 | 2017.1.01545.S | HD_14156_a_05_TM1 | The first molecular line inventory in hybrid disks   | Henning    | EU        | 12-m        | 5    |
| 02:14:35   | 03:33:58 | 2017.1.01545.S | HD142666_a_05_TM1 | The first molecular line inventory in hybrid disks   | Henning    | EU        | 12-m        | 5    |
| 02:58:40   | 04:22:17 | 2017.1.01406.S | RX_J1713_a_03_7M  | A Quest for Cosmic Ray Acceleration Site: Unveiling the Shock-Cloud Interaction toward the Young SNR RX J1713.7-3946 | Sano       | EA        | 7-m         | 3    |
| 03:50:40   | 06:02:28 | 2017.1.00180.S | 6334_-_M_a_06_TP  | Define the physic of high-mass star formation from the cold Hershel sources of the NGC6334 complex                   | Louvet     | CL        | Total Power | 6    |

|          |          |                |                   |   |         |             |             |   |
|----------|----------|----------------|-------------------|---|---------|-------------|-------------|---|
| 04:06:50 | 05:03:15 | 2017.1.01380.S | Oph-I-MM_a_03_TM1 | Are dense cores formed through shocks? An observational test in Ophiuchus   | Pineda  | EU          | 12-m        | 3 |
| 04:30:20 | 05:52:54 | 2017.1.00767.S | IRAS_180_a_06_7M  | An Unbiased Search for High Velocity Treister Winds in local (U)LIRGs using the 7m Array                          |         | CL          | 7-m         | 6 |
| 05:53:02 | 07:21:24 | 2017.1.01704.S | B28539_a_03_7M    | A systematic survey of dense gas kinematics and filamentary flows in massive quiescent clumps                     | Svoboda | NA          | 7-m         | 3 |
| 05:53:11 | 06:29:37 | 2017.1.00226.S | W43-MM2_a_06_TM2  | The W43 complex: a case study for high-mass star formation  | Louvet  | CL          | 12-m        | 6 |
| 06:29:44 | 07:12:25 | 2017.1.00496.S | JO206_CO_a_03_TM2 | Mapping the molecular gas in jellyfish poggianti galaxies   |         | EU          | 12-m        | 3 |
| 07:12:57 | 08:21:11 | 2017.1.01332.S | ADF22_a_06_TM1    | ALMA Deep survey at a z=3.1 proto-cluster core  | Umehata | EA          | 12-m        | 6 |
| 07:22:11 | 08:44:19 | 2017.1.01409.S | NGC6822_a_06_7M   | Revealing the mechanism of massive star formation in NGC6822  | Fujita  | EA          | 7-m         | 6 |
| 07:34:42 | 08:29:51 | 2017.1.01355.L | W43-MM3_a_03_TP   | ALMA-IMF: ALMA transforms our view of the origin of stellar masses  | Motte   | CL EA EU NA | Total Power | 3 |
| 08:48:57 | 09:38:28 | 2017.1.00496.S | JO201_CO_a_03_TM2 | Mapping the molecular gas in jellyfish poggianti galaxies   |         | EU          | 12-m        | 3 |
| 09:26:06 | 10:57:41 | 2017.1.00931.S | SWBar_Fi_a_06_7M  | From Beginning to End -- Star Formation and Molecular Cloud Evolution in the Small Magellanic Cloud               | Johnson | NA          | 7-m         | 6 |
| 09:38:35 | 10:44:21 | 2017.1.01093.S | 8655-127_a_03_TM1 | The role of molecular gas in quenching star formation of green valley galaxies                                    | Lin     | EA          | 12-m        | 3 |
| 10:49:37 | 12:00:09 | 2016.1.00324.L | UDF_mosa_f_06_TM1 | ASPECS: The ALMA SPECTral line Survey in the UDF - An ALMA Large Program  | Walter  | CL EU NA    | 12-m        | 6 |
| 10:57:48 | 12:17:12 | 2017.1.00199.S | Arp_147_a_04_7M   | Turning Back the Clock: A Rigorous t=0 for Global Interstellar Chemistry via Collisional Ring Galaxy Observations | McGuire | NA          | 7-m         | 4 |
| 12:25:03 | 13:23:53 | 2016.1.00978.S | VIKING-z_a_06_TM1 | Observing Exceptionally Bright Galaxies at z~6.6 in [CII] and Dust Continuum                                      | Ota     | EU          | 12-m        | 6 |
| 12:28:20 | 13:59:03 | 2017.1.01523.S | L1451-we_a_07_7M  | Catching a Low-Mass Core in the Act of Fragmenting  | Storm   | NA          | 7-m         | 7 |
| 13:23:59 | 13:52:33 | 2017.1.00258.S | HE0433-1_a_07_TM1 | Spatially resolved dense gas diagnostics in the Close AGN Reference Survey (CARS)                                 | Davis   | EU          | 12-m        | 7 |
| 15:52:45 | 17:04:24 | 2017.1.00678.S | HOPS-11_a_06_7M   | Evolution of outflow-envelope interactions in low-mass protostars   | Arce    | NA          | 7-m         | 6 |
| 16:01:24 | 16:41:21 | 2017.1.01583.S | CD-57_10_a_07_TM1 | The frontier of rocky planet formation: are low-mass stars super-efficient?                                       | Kennedy | EU          | 12-m        | 7 |

## 2018-07-05

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title  | PI         | Executive | Array       | Band |
|------------|----------|----------------|-------------------|--|------------|-----------|-------------|------|
| 06:45:35   | 07:53:25 | 2017.1.01332.S | ADF22_a_06_TM1    | ALMA Deep survey at a z=3.1 proto-cluster core   | Umehata    | EA        | 12-m        | 6    |
| 06:50:00   | 08:39:57 | 2017.1.01409.S | NGC6822_a_07_7M   | Revealing the mechanism of massive star formation in NGC6822                               | Fujita     | EA        | 7-m         | 7    |
| 06:57:54   | 08:08:09 | 2016.1.01372.S | g34mm3_a_03_TP    | Gravity vs B-field in massive-star forming clouds: Who is in the driving seat?             | Koch       | EA        | Total Power | 3    |
| 08:22:58   | 10:02:14 | 2017.1.01195.S | SDSS_J23_a_08_TM1 | The first detection of the [OIII]88um from Two QSO host galaxies in the reionization epoch | Hashimoto  | EA        | 12-m        | 8    |
| 08:40:05   | 10:13:40 | 2017.1.00489.S | 0110-722_a_06_7M  | How does CO trace the HI-to-H2 Transition at Low Metallicity?                              | Jameson    | OTHER     | 7-m         | 6    |
| 10:02:20   | 12:00:28 | 2016.1.00333.S | A383-5.1_a_08_TM1 | [OIII] observations towards the z=6.027, gravitationally lensed galaxy A383-5.1            | Knudsen    | EU        | 12-m        | 8    |
| 10:13:48   | 11:47:09 | 2017.1.00489.S | 0110-722_a_06_7M  | How does CO trace the HI-to-H2 Transition at Low Metallicity?                              | Jameson    | OTHER     | 7-m         | 6    |
| 11:47:16   | 13:43:32 | 2017.1.01523.S | L1451-we_a_07_7M  | Catching a Low-Mass Core in the Act of Fragmenting   | Storm      | NA        | 7-m         | 7    |
| 12:20:25   | 13:33:35 | 2017.1.00886.L | NGC1511_a_06_TP   | 100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution | Schinnerer | EU NA     | Total Power | 6    |
| 12:20:32   | 13:33:49 | 2017.1.01693.S | J032637._a_06_TM1 | Chronology of Episodic Accretion   | Hsieh      | EA        | 12-m        | 6    |

|          |          |                |                   |   |            |          |             |   |
|----------|----------|----------------|-------------------|---|------------|----------|-------------|---|
| 13:43:05 | 14:36:36 | 2017.1.00886.L | NGC1559_b_06_TP   | in Protostars - A survey of CO and H2O snow lines<br>100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution | Schinnerer | EU NA    | Total Power | 6 |
| 13:43:09 | 14:50:38 | 2016.1.00324.L | UDF_mosa_g_06_TM1 | ASPECS: The ALMA SPECTral line Survey in the UDF - An ALMA Large Program  | Walter     | CL EU NA | 12-m        | 6 |
| 14:04:37 | 15:58:26 | 2017.1.01280.S | Orion_Ba_a_08_7M  | The complete ALMA view of the Orion Bar: unexpected structures and processes  | Goicoechea | EU       | 7-m         | 8 |
| 14:50:45 | 15:58:28 | 2016.1.00324.L | UDF_mosa_h_06_TM1 | ASPECS: The ALMA SPECTral line Survey in the UDF - An ALMA Large Program  | Walter     | CL EU NA | 12-m        | 6 |
| 22:34:39 | 23:14:22 | 2017.1.00886.L | NGC4941_a_06_TM1  | 100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution  | Schinnerer | EU NA    | 12-m        | 6 |
| 22:58:09 | 00:11:10 | 2017.1.00886.L | NGC4781_b_06_TP   | 100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution  | Schinnerer | EU NA    | Total Power | 6 |
| 23:14:31 | 00:26:57 | 2017.1.00257.S | cl1301_a_1_06_TM1 | Fueling and quenching star formation in and around z~0.5 galaxy clusters  | Jablonka   | EU       | 12-m        | 6 |
| 23:21:52 | 00:57:58 | 2017.1.00595.S | tet_Aps_a_07_7M   | DEATH STAR: DEtermining Accurate mass-loss rates of THERmally pulsing AGB STARS   | Ramstedt   | EU       | 7-m         | 7 |

## 2018-07-06

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title  | PI         | Executive | Array       | Band |
|------------|----------|----------------|-------------------|--|------------|-----------|-------------|------|
| 00:11:17   | 01:23:49 | 2017.1.00886.L | NGC4781_b_06_TP   | 100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution         | Schinnerer | EU NA     | Total Power | 6    |
| 00:27:04   | 00:48:55 | 2017.1.01419.S | MP_Mus_a_06_TM2   | Planet formation in sparse stellar groups  | Caceres    | CL        | 12-m        | 6    |
| 01:17:26   | 02:40:12 | 2017.1.00767.S | IRAS_180_a_06_7M  | An Unbiased Search for High Velocity Winds in local (U)LIRGs using the 7m Array                    | Treister   | CL        | 7-m         | 6    |
| 01:30:53   | 03:54:35 | 2017.1.01103.T | MAXI_J18_b_07_TM1 | Characterizing Rapid sub-mm Variability in a Bright Black Hole Binary Outburst                     | Sivakoff   | NA        | 12-m        | 7    |
| 02:40:20   | 04:10:10 | 2017.1.01704.S | B28539_a_03_7M    | A systematic survey of dense gas kinematics and filamentary flows in massive quiescent clumps      | Svoboda    | NA        | 7-m         | 3    |
| 03:17:14   | 05:35:35 | 2017.1.00180.S | 6334_-_M_a_06_TP  | Define the physic of high-mass star formation from the cold Hershel sources of the NGC6334 complex | Louvet     | CL        | Total Power | 6    |
| 03:54:42   | 06:17:52 | 2017.1.01103.T | MAXI_J18_b_07_TM1 | Characterizing Rapid sub-mm Variability in a Bright Black Hole Binary Outburst                     | Sivakoff   | NA        | 12-m        | 7    |
| 04:10:17   | 05:31:38 | 2016.1.01372.S | g34mm12_a_03_7M   | Gravity vs B-field in massive-star forming clouds: Who is in the driving seat?                     | Koch       | EA        | 7-m         | 3    |
| 05:31:46   | 06:56:38 | 2017.1.01704.S | B28539_a_03_7M    | A systematic survey of dense gas kinematics and filamentary flows in massive quiescent clumps      | Svoboda    | NA        | 7-m         | 3    |
| 06:17:59   | 06:35:58 | 2017.1.00239.S | C22-2_a_07_TM1    | What sets CO excitation in clumpy, turbulent disk galaxies?  | Fisher     | OTHER     | 12-m        | 7    |
| 06:36:16   | 07:44:29 | 2017.1.01332.S | ADF22_a_06_TM1    | ALMA Deep survey at a z=3.1 proto-cluster core   | Umehata    | EA        | 12-m        | 6    |
| 06:56:45   | 08:46:28 | 2017.1.01409.S | NGC6822_a_07_7M   | Revealing the mechanism of massive star formation in NGC6822                                       | Fujita     | EA        | 7-m         | 7    |
| 07:59:27   | 09:38:35 | 2017.1.01195.S | SDSS_J23_a_08_TM1 | The first detection of the [OIII]88um from Two QSO host galaxies in the reionization epoch         | Hashimoto  | EA        | 12-m        | 8    |
| 08:57:18   | 10:31:03 | 2017.1.00489.S | 0110-722_a_06_7M  | How does CO trace the HI-to-H2 Transition at Low Metallicity?                                      | Jameson    | OTHER     | 7-m         | 6    |
| 09:52:10   | 11:13:51 | 2016.1.00142.S | SL2SJ021_a_09_TM1 | Through the magnifying glass: a unique view of the low-metallicity ISM at high redshift            | da Cunha   | OTHER     | 12-m        | 9    |
| 10:35:35   | 11:56:36 | 2017.1.00129.S | NGC1310_a_03_TP   | Deep CO(J=1-0) mapping survey of Fornax galaxies with Morita array                                 | Morokuma   | EA        | Total Power | 3    |
| 10:36:54   | 12:03:56 | 2017.1.00767.S | IRAS_F03_a_06_7M  | An Unbiased Search for High Velocity Winds in local (U)LIRGs using the 7m Array                    | Treister   | CL        | 7-m         | 6    |
| 11:26:31   | 12:36:51 | 2016.1.00324.L | UDF_mosa_e_06_TM1 | ASPECS: The ALMA SPECTral line Survey in the UDF - An ALMA   | Walter     | CL EU NA  | 12-m        | 6    |

| Start (UT)        | End (UT) | Project Code   | SchedBlock        | Project Title  | PI         | Executive   | Array       | Band |
|-------------------|----------|----------------|-------------------|--|------------|-------------|-------------|------|
| 11:56:44          | 13:01:01 | 2017.1.00886.L | NGC1792_a_06_TP   | Large Program<br>100,000 Molecular Clouds Across the Schinnerer Main Sequence: GMCs as the Drivers of Galaxy Evolution |            | EU NA       | Total Power | 6    |
| 12:04:03          | 13:00:28 | 2017.1.01523.S | L1451-we_a_07_7M  | Catching a Low-Mass Core in the Act of Fragmenting   | Storm      | NA          | 7-m         | 7    |
| 12:36:58          | 12:55:15 | 2017.1.01472.S | VHS-DES__b_06_TM1 | Exploring the diversity in the host galaxies of the most luminous quasars at z~7                                       | Banerji    | EU          | 12-m        | 6    |
| <b>2018-07-07</b> |          |                |                   |  |            |             |             |      |
| Start (UT)        | End (UT) | Project Code   | SchedBlock        | Project Title  | PI         | Executive   | Array       | Band |
| 04:48:57          | 06:21:08 | 2016.1.01372.S | g34mm12_a_03_7M   | Gravity vs B-field in massive-star forming clouds: Who is in the driving seat?   | Koch       | EA          | 7-m         | 3    |
| 05:04:54          | 05:58:10 | 2017.1.01355.L | G010.62_a_06_TM2  | ALMA-IMF: ALMA transforms our view of the origin of stellar masses   | Motte      | CL EA EU NA | 12-m        | 6    |
| 06:04:07          | 07:12:14 | 2017.1.01332.S | ADF22_a_06_TM1    | ALMA Deep survey at a z=3.1 proto-cluster core   | Umehata    | EA          | 12-m        | 6    |
| 06:20:14          | 07:48:12 | 2016.1.01372.S | g34mm3_a_03_TP    | Gravity vs B-field in massive-star forming clouds: Who is in the driving seat?   | Koch       | EA          | Total Power | 3    |
| 06:35:47          | 08:25:36 | 2017.1.01409.S | NGC6822_a_07_7M   | Revealing the mechanism of massive star formation in NGC6822   | Fujita     | EA          | 7-m         | 7    |
| 07:12:21          | 08:43:08 | 2017.1.01305.S | A2744z8O_a_07_TM1 | [OIII]88, [CII]158 and dust continuum survey in a z=8.4 hyper overdensity of galaxies                                  | Inoue      | EA          | 12-m        | 7    |
| 08:26:35          | 09:59:53 | 2017.1.00489.S | 0110-722_a_06_7M  | How does CO trace the HI-to-H2 Transition at Low Metallicity?  | Jameson    | OTHER       | 7-m         | 6    |
| 08:46:47          | 09:54:41 | 2017.1.01332.S | ADF22_a_06_TM1    | ALMA Deep survey at a z=3.1 proto-cluster core   | Umehata    | EA          | 12-m        | 6    |
| 09:14:27          | 10:35:13 | 2017.1.00129.S | NGC1317_a_03_TP   | Deep CO(J=1-0) mapping survey of Fornax galaxies with Morita array   | Morokuma   | EA          | Total Power | 3    |
| 09:54:48          | 10:50:19 | 2015.1.01296.S | NGC346-r_a_06_TE  | Collisional star-formation in the SMC: NGC346  | Muller     | EA          | 12-m        | 6    |
| 10:00:01          | 11:33:03 | 2017.1.00489.S | 0110-722_a_06_7M  | How does CO trace the HI-to-H2 Transition at Low Metallicity?  | Jameson    | OTHER       | 7-m         | 6    |
| 10:35:18          | 11:56:00 | 2017.1.00129.S | NGC1317_a_03_TP   | Deep CO(J=1-0) mapping survey of Fornax galaxies with Morita array   | Morokuma   | EA          | Total Power | 3    |
| 10:50:25          | 12:04:28 | 2017.1.00486.S | GS_z9_3_b_07_TM1  | Dust in the Reionisation Era: A New Probe of the Birth of Galaxies   | Ellis      | EU          | 12-m        | 7    |
| 11:52:11          | 13:48:23 | 2017.1.01523.S | L1451-we_a_07_7M  | Catching a Low-Mass Core in the Act of Fragmenting   | Storm      | NA          | 7-m         | 7    |
| 12:05:20          | 13:17:07 | 2017.1.00886.L | NGC1559_b_06_TP   | 100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution                             | Schinnerer | EU NA       | Total Power | 6    |
| 12:09:34          | 13:19:12 | 2017.1.00167.S | HD10647_a_07_TM1  | What lies beyond Exo-Jupiter planets?  | Wyatt      | EU          | 12-m        | 7    |
| 13:26:54          | 14:38:44 | 2017.1.00886.L | NGC1559_b_06_TP   | 100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution                             | Schinnerer | EU NA       | Total Power | 6    |
| 13:29:20          | 14:34:21 | 2017.1.00486.S | GS_z9_3_b_07_TM1  | Dust in the Reionisation Era: A New Probe of the Birth of Galaxies   | Ellis      | EU          | 12-m        | 7    |
| 14:31:38          | 15:53:32 | 2017.1.00767.S | IRAS_F03_a_06_7M  | An Unbiased Search for High Velocity Winds in local (U)LIRGs using the 7m Array  | Treister   | CL          | 7-m         | 6    |
| 14:35:27          | 15:35:00 | 2017.1.01583.S | 2MASS_J0_a_07_TM1 | The frontier of rocky planet formation: are low-mass stars super-efficient?  | Kennedy    | EU          | 12-m        | 7    |
| 14:38:50          | 15:50:35 | 2017.1.00886.L | NGC1559_b_06_TP   | 100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution                             | Schinnerer | EU NA       | Total Power | 6    |
| 15:53:15          | 16:45:15 | 2017.1.01553.S | OMC-4W_a_06_TM1   | Interplay between the Orion A South (OMC-4) filament and dense cores therein   | Zhu        | CL          | 12-m        | 6    |
| 16:03:46          | 17:08:34 | 2017.1.01675.S | TUK93_12_a_06_TP  | Test the chemistry of turbulent grain motion in a dark cloud.  | Ge         | CL          | Total Power | 6    |
| 23:16:26          | 00:28:58 | 2017.1.00886.L | NGC4781_b_06_TP   | 100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution                             | Schinnerer | EU NA       | Total Power | 6    |
| 23:18:17          | 00:05:42 | 2017.1.00765.S | DK_Cha_a_04_7M    | Large-scale infalling envelopes through cold gas tracers   | Harsono    | EU          | 7-m         | 4    |

| 23:50:03          | 00:06:50 | 2017.1.01235.S | UGC 9618_a_03_TM2  | High Resolution Survey of the Gas and Dust Distribution in Nearby Luminous Infrared Galaxies       | Barcos-Munoz | NA          | 12-m        | 3    |
|-------------------|----------|----------------|--------------------|--|--------------|-------------|-------------|------|
| <b>2018-07-08</b> |          |                |                    |  |              |             |             |      |
| Start (UT)        | End (UT) | Project Code   | SchedBlock         | Project Title  | PI           | Executive   | Array       | Band |
| 00:24:57          | 01:46:27 | 2017.1.00765.S | IRAS_153_a_04_7M   | Large-scale infalling envelopes through cold gas tracers   | Harsono      | EU          | 7-m         | 4    |
| 00:31:32          | 00:48:57 | 2017.A.00047.T | AT2018co_a_03_TM1  | AT2018cow: the poster-child relativistic explosion for high-frequency time-domain astronomy        | Ho           | NA          | 12-m        | 3    |
| 00:48:11          | 02:21:24 | 2017.1.01355.L | G010.62_a_03_TP    | ALMA-IMF: ALMA transforms our view of the origin of stellar masses                                 | Motte        | CL EA EU NA | Total Power | 3    |
| 00:49:04          | 01:05:39 | 2017.A.00047.T | AT2018co_a_04_TM1  | AT2018cow: the poster-child relativistic explosion for high-frequency time-domain astronomy        | Ho           | NA          | 12-m        | 4    |
| 01:05:46          | 02:00:07 | 2017.1.00856.S | Q1623-BX_a_04_TM1  | [CI] as a gas tracer in main sequence star-forming galaxies at z~2                                 | Bothwell     | EU          | 12-m        | 4    |
| 01:46:34          | 03:08:13 | 2016.1.01372.S | g34mm12_a_03_7M    | Gravity vs B-field in massive-star forming clouds: Who is in the driving seat?                     | Koch         | EA          | 7-m         | 3    |
| 02:02:05          | 02:55:38 | 2017.1.00856.S | Q1623-BX_a_04_TM1  | [CI] as a gas tracer in main sequence star-forming galaxies at z~2                                 | Bothwell     | EU          | 12-m        | 4    |
| 02:21:33          | 03:51:20 | 2017.1.01355.L | G338.93_a_03_TP    | ALMA-IMF: ALMA transforms our view of the origin of stellar masses                                 | Motte        | CL EA EU NA | Total Power | 3    |
| 02:59:52          | 03:53:41 | 2017.1.01380.S | Oph-I-MM_b_03_TM1  | Are dense cores formed through shocks? An observational test in Ophiuchus                          | Pineda       | EU          | 12-m        | 3    |
| 03:08:21          | 04:04:37 | 2017.1.01704.S | B28539_a_03_7M     | A systematic survey of dense gas kinematics and filamentary flows in massive quiescent clumps      | Svoboda      | NA          | 7-m         | 3    |
| 13:30:30          | 14:52:59 | 2017.1.00767.S | IRAS_F03_a_06_7M   | An Unbiased Search for High Velocity Winds in local (U)LIRGs using the 7m Array                    | Treister     | CL          | 7-m         | 6    |
| 13:30:53          | 14:06:31 | 2017.1.00886.L | NGC1559_b_06_TP    | 100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution         | Schinnerer   | EU NA       | Total Power | 6    |
| 13:45:27          | 14:52:46 | 2016.1.00324.L | UDF_mosa_f_06_TM1  | ASPECS: The ALMA SPECTral line Survey in the UDF - An ALMA Large Program                           | Walter       | CL EU NA    | 12-m        | 6    |
| 14:52:53          | 16:00:25 | 2016.1.00324.L | UDF_mosa_g_06_TM1  | ASPECS: The ALMA SPECTral line Survey in the UDF - An ALMA Large Program                           | Walter       | CL EU NA    | 12-m        | 6    |
| 14:53:08          | 16:18:01 | 2017.1.00678.S | HOPS-11_a_06_7M    | Evolution of outflow-envelope interactions in low-mass protostars                                  | Arce         | NA          | 7-m         | 6    |
| 16:09:28          | 17:02:37 | 2017.1.01553.S | OMC-4E_a_06_TM1    | Interplay between the Orion A South (OMC-4) filament and dense cores therein                       | Zhu          | CL          | 12-m        | 6    |
| 16:28:27          | 17:50:23 | 2017.1.01353.S | OMC-1_Re_a_06_7M   | Fragmentation in the Orion Integral Shaped Filament  | Takahashi    | EA          | 7-m         | 6    |
| 17:05:48          | 18:05:02 | 2017.1.00886.L | NGC2903_c_06_TM1   | 100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution         | Schinnerer   | EU NA       | 12-m        | 6    |
| 17:50:30          | 19:15:18 | 2017.1.00889.S | Northern_b_06_7M   | The feedback effect from massive stars on the fragmentation of dense structures                    | Rebolledo    | CL          | 7-m         | 6    |
| 18:14:21          | 19:11:00 | 2017.1.00886.L | NGC2903_c_06_TM1   | 100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution         | Schinnerer   | EU NA       | 12-m        | 6    |
| 19:24:13          | 20:39:52 | 2017.1.00428.L | DEIMOS_C_al_07_TM1 | ALPINE: The ALMA Large Program to Investigate CII at Early times                                   | Le Fèvre     | CL EA EU NA | 12-m        | 7    |
| 19:26:41          | 20:49:16 | 2017.1.00766.S | NGC3489_a_06_7M    | From the main sequence to the red cloud: linking the molecular cloud lifecycle to galaxy evolution | Chevance     | EU          | 7-m         | 6    |
| 20:39:57          | 21:54:49 | 2017.1.00428.L | DEIMOS_C_o_07_TM1  | ALPINE: The ALMA Large Program to Investigate CII at Early times                                   | Le Fèvre     | CL EA EU NA | 12-m        | 7    |
| 20:49:47          | 21:47:48 | 2017.1.01158.S | 12376717_b_06_7M   | ACA Study on the Driving Mechanisms of Starburst and Main-Sequence Star Formation in               | Yamashita    | EA          | 7-m         | 6    |

|          |          |                |                   |   |       |             |   |
|----------|----------|----------------|-------------------|---|-------|-------------|---|
| 20:50:48 | 21:53:13 | 2017.1.00886.L | NGC4781_b_06_TP   | Local Galaxies<br>100,000 Molecular Clouds Across the Schinnerer Main Sequence: GMCs as the Drivers of Galaxy Evolution | EU NA | Total Power | 6 |
| 22:06:47 | 23:20:05 | 2017.1.00257.S | cl1301_a_1_06_TM1 | Fueling and quenching star formation Jablonka in and around z~0.5 galaxy clusters                                       | EU    | 12-m        | 6 |
| 23:09:49 | 00:22:04 | 2017.1.01053.S | GAL_331_f_07_7M   | SMORES: Shocked Molecular Outflows across a Range of Environments Survey<br>McGuire                                     | NA    | 7-m         | 7 |
| 23:17:44 | 00:27:31 | 2017.1.00886.L | NGC4536_c_06_TP   | 100,000 Molecular Clouds Across the Schinnerer Main Sequence: GMCs as the Drivers of Galaxy Evolution                   | EU NA | Total Power | 6 |
| 23:37:55 | 01:00:40 | 2017.1.00239.S | D13-5_a_08_TM1    | What sets CO excitation in clumpy, turbulent disk galaxies?<br>Fisher   | OTHER | 12-m        | 8 |

**2018-07-09**

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title  | PI        | Executive   | Array       | Band |
|------------|----------|----------------|-------------------|--|-----------|-------------|-------------|------|
| 00:45:18   | 02:01:07 | 2017.1.00857.S | AS_205A_a_08_7M   | Volatile locking in protoplanetary disks: linking carbon abundances from 0.1 to ~100 AU                        | McClure   | EU          | 7-m         | 8    |
| 01:26:55   | 02:39:19 | 2017.A.00047.T | AT2018co_a_09_TM1 | AT2018cow: the poster-child relativistic explosion for high-frequency time-domain astronomy                    | Ho        | NA          | 12-m        | 9    |
| 02:02:35   | 03:32:47 | 2017.1.01704.S | B28539_a_03_7M    | A systematic survey of dense gas kinematics and filamentary flows in massive quiescent clumps                  | Svoboda   | NA          | 7-m         | 3    |
| 02:57:19   | 03:57:59 | 2017.1.01545.S | HD_13148_a_05_TM1 | The first molecular line inventory in hybrid disks   | Henning   | EU          | 12-m        | 5    |
| 03:47:22   | 04:41:50 | 2017.1.00595.S | V821_Her_a_07_7M  | DEATH STAR: DEtermining Accurate mass-loss rates of THERmally pulsing AGB STARS                                | Ramstedt  | EU          | 7-m         | 7    |
| 05:04:51   | 06:34:25 | 2017.1.01704.S | B28539_a_03_7M    | A systematic survey of dense gas kinematics and filamentary flows in massive quiescent clumps                  | Svoboda   | NA          | 7-m         | 3    |
| 05:28:54   | 05:45:41 | 2017.1.01649.S | SPT-CL21_a_03_TM1 | Using the Sunyaev-Zel'dovich effect to probe morphological disturbance in a high-z galaxy cluster              | Burkutean | EU          | 12-m        | 3    |
| 05:45:47   | 06:54:03 | 2017.1.01332.S | ADF22_a_06_TM1    | ALMA Deep survey at a z=3.1 proto-cluster core   | Umehata   | EA          | 12-m        | 6    |
| 06:34:33   | 08:10:24 | 2017.A.00043.T | Mars_b_07_7M      | Time evolution of CO & H2O in the Martian atmosphere during a large-scale dust storm                           | Dent      | EU          | 7-m         | 7    |
| 06:36:53   | 08:09:48 | 2017.1.01355.L | W43-MM3_a_03_TP   | ALMA-IMF: ALMA transforms our view of the origin of stellar masses   | Motte     | CL EA EU NA | Total Power | 3    |
| 06:54:10   | 08:04:45 | 2017.1.00135.S | WLM-SE_a_07_TM1   | First measurement of "cloud-scale" gas-to-dust ratio of a dwarf galaxy WLM                                     | Morokuma  | EA          | 12-m        | 7    |
| 08:04:52   | 08:28:01 | 2017.1.01085.S | NGC7591_a_07_TM2  | The Excitation of Dense Molecular Gas Tracers in Local Infrared Luminous Starbursts                            | Privon    | NA          | 12-m        | 7    |
| 08:09:54   | 09:34:14 | 2017.1.00230.S | NGC_0628_a_03_TP  | Dense Gas Tracers, Star Formation, Cloud Properties, and Galaxy Structure in Five Nearby Spiral Galaxies       | Leroy     | NA          | Total Power | 3    |
| 08:11:31   | 09:51:51 | 2017.1.01628.S | MO_jet_e_a_08_7M  | Searching for CO-dark H2 gas in radio jets   | Zhang     | EU          | 7-m         | 8    |
| 08:39:16   | 10:04:42 | 2017.1.01209.S | SSA22-LA_a_08_TM1 | The state of interstellar medium in galaxies in a giant Lyman-alpha blob                                       | Umehata   | EA          | 12-m        | 8    |
| 09:43:52   | 11:04:34 | 2017.1.00129.S | ESO358-5_b_03_TP  | Deep CO(J=1-0) mapping survey of Fornax galaxies with Morita array   | Morokuma  | EA          | Total Power | 3    |
| 10:08:27   | 10:36:28 | 2017.1.01347.S | GS_IRS50_a_09_TM1 | Science with ALMA and JWST: Tracing the Heating and Cooling in Star Forming Regions in Galaxies at Cosmic Noon | Pope      | NA          | 12-m        | 9    |
| 10:13:05   | 12:14:30 | 2017.1.00172.S | NGC1140_b_08_7M   | Stellar feedback and physical conditions of molecular gas around low-metallicity super-star clusters           | Hunt      | EU          | 7-m         | 8    |
| 10:36:35   | 11:03:01 | 2017.1.01347.S | GS_IRS20_a_09_TM1 | Science with ALMA and JWST: Tracing the Heating and Cooling in Star Forming Regions in Galaxies at Cosmic Noon | Pope      | NA          | 12-m        | 9    |
| 11:03:28   | 11:29:00 | 2017.1.01347.S | GS_IRS46_b_09_TM1 | Science with ALMA and JWST:  | Pope      | NA          | 12-m        | 9    |

|          |          |                |                 | Tracing the Heating and Cooling in<br>Star Forming Regions in Galaxies at<br>Cosmic Noon                    |                 |             |   |
|----------|----------|----------------|-----------------|---|-----------------|-------------|---|
| 11:04:39 | 12:16:29 | 2017.1.00886.L | NGC1559_b_06_TP | 100,000 Molecular Clouds Across the Schinnerer<br>Main Sequence: GMCs as the Drivers<br>of Galaxy Evolution | EU NA           | Total Power | 6 |
| 11:29:07 | 12:16:30 | 2017.1.00239.S | G04-1_a_08_TM1  | What sets CO excitation in clumpy,<br>turbulent disk galaxies?  | Fisher<br>OTHER | 12-m        | 8 |
| 12:26:00 | 13:01:10 | 2017.1.00886.L | NGC1559_b_06_TP | 100,000 Molecular Clouds Across the Schinnerer<br>Main Sequence: GMCs as the Drivers<br>of Galaxy Evolution | EU NA           | Total Power | 6 |