**ALMA Observing Activity from 2019-11-11T17:59:00 to 2019-11-18T18:00:00**
**QA0 pass executions**

**2019-11-18**

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|---|---|---|---|---|---|---|---|---|
| 15:38:48 | 17:06:49 | 2019.1.00685.S | I15384-5_a_03_7M | On the origin of the dense gas star formation law in Galactic high-mass star forming clumps | Liu | EA | 7-m | 3 |
| 11:44:26 | 12:01:09 | 2019.1.00019.S | NGC3773_a_06_TM2 | Measuring Central Black Hole Masses in Low-mass Galaxies | Nguyen | EA | 12-m | 6 |
| 11:28:13 | 11:43:33 | 2019.1.01742.S | NGC_3783_a_06_TM2 | AGN Before and After: Towards a balanced view of the link between circumnuclear gas and nuclear black hole activity | Rosario | EU | 12-m | 6 |
| 11:14:30 | 12:11:20 | 2018.A.00055.S | Mcld300_b_03_TP | Looking for the CO structure associated to excited molecular hydrogen in molecular clouds | Hily-Blant | EU | Total Power | 3 |
| 11:12:32 | 11:28:07 | 2019.1.01742.S | NGC_3717_a_06_TM2 | AGN Before and After: Towards a balanced view of the link between circumnuclear gas and nuclear black hole activity | Rosario | EU | 12-m | 6 |
| 10:53:54 | 12:10:31 | 2019.1.01804.S | EVCC2148_a_03_7M | A GEMS CO follow-up survey of IC 1459 group and NGC 4636 group | Lee | EA | 7-m | 3 |
| 10:48:50 | 11:04:22 | 2019.1.01742.S | NGC_3749_a_06_TM2 | AGN Before and After: Towards a balanced view of the link between circumnuclear gas and nuclear black hole activity | Rosario | EU | 12-m | 6 |
| 10:32:19 | 10:48:44 | 2019.1.00019.S | NGC3049_a_06_TM2 | Measuring Central Black Hole Masses in Low-mass Galaxies | Nguyen | EA | 12-m | 6 |
| 10:03:05 | 11:14:23 | 2018.A.00055.S | Mcld300_b_03_TP | Looking for the CO structure associated to excited molecular hydrogen in molecular clouds | Hily-Blant | EU | Total Power | 3 |
| 09:34:24 | 10:53:46 | 2019.1.00195.L | 701007_a_06_7M | ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy | Molinari | EA EU NA | 7-m | 6 |
| 09:24:52 | 10:32:12 | 2019.1.01634.L | UVISTA-Y_e_06_TM1 | REBELS: An ALMA Large Program to Discover the Most Luminous [CII]+[OIII] Galaxies in the Reionization Epoch | Bouwens | CL EA EU NA | 12-m | 6 |
| 09:09:22 | 09:24:35 | 2019.1.01742.S | NGC_3175_a_06_TM2 | AGN Before and After: Towards a balanced view of the link between circumnuclear gas and nuclear black hole activity | Rosario | EU | 12-m | 6 |
| 09:00:12 | 09:55:27 | 2019.1.00915.S | Ridge-M1_a_03_TP | Structural Evolution of Molecular Clouds Triggered by Supergiant Shells in LMC | Sawada | EA | Total Power | 3 |
| 08:49:17 | 09:07:10 | 2019.1.01742.S | MCG-05-2_a_06_TM2 | AGN Before and After: Towards a balanced view of the link between circumnuclear gas and nuclear black hole activity | Rosario | EU | 12-m | 6 |
| 08:10:45 | 09:27:02 | 2019.1.01132.S | NGC1482_b_03_7M | Molecular gas in the starburst-driven superwind of NGC 1482 | Salak | EA | 7-m | 3 |
| 08:05:01 | 09:00:05 | 2019.1.00915.S | Ridge-M1_a_03_TP | Structural Evolution of Molecular Clouds Triggered by Supergiant Shells in LMC | Sawada | EA | Total Power | 3 |
| 07:36:20 | 08:49:10 | 2019.1.00641.S | OMC-3_a_03_TM1 | Environmental variations of the filament widths | Hacar | EU | 12-m | 3 |
| 07:10:04 | 08:04:54 | 2019.1.00915.S | Ridge-M1_a_03_TP | Structural Evolution of Molecular Clouds Triggered by Supergiant Shells in LMC | Sawada | EA | Total Power | 3 |
| 06:43:40 | 08:10:38 | 2019.1.01132.S | NGC1482_b_03_7M | Molecular gas in the starburst-driven superwind of NGC 1482 | Salak | EA | 7-m | 3 |
| 06:23:27 | 07:36:13 | 2019.1.00641.S | OMC-3_a_03_TM1 | Environmental variations of the filament widths | Hacar | EU | 12-m | 3 |
| 06:14:06 | 07:09:57 | 2019.1.00915.S | Ridge-N1_a_03_TP | Structural Evolution of Molecular Clouds Triggered by Supergiant Shells in LMC | Sawada | EA | Total Power | 3 |
| 05:28:00 | 06:43:33 | 2019.1.00722.S | NGC1232_a_03_7M | Deep CO(J=1-0) mapping survey of 103 Eridanus supergroup galaxies with Morita array | Morokuma | EA | 7-m | 3 |
| 05:19:04 | 06:13:59 | 2019.1.00915.S | Ridge-M1_a_03_TP | Structural Evolution of Molecular Clouds Triggered by Supergiant Shells in LMC | Sawada | EA | Total Power | 3 |
| 04:44:55 | 05:47:52 | 2019.1.01317.S | NGC2023_a_03_TM1 | The excitation mechanism of spinning dust emission in NGC 2023 | Vidal | CL | 12-m | 3 |

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|---|---|---|---|---|---|---|---|---|
| 04:24:23 | 04:44:49 | 2019.1.00743.S | HB89_042_b_03_TM1 | Investigating CO-Dark Molecular Gas through Synergetic Centimeter and Millimeter Absorption observations | Finger | CL | 12-m | 3 |
| 04:13:07 | 05:08:22 | 2019.1.00915.S | Ridge-N1_a_03_TP | Structural Evolution of Molecular Clouds Triggered by Supergiant Shells in LMC | Sawada | EA | Total Power | 3 |
| 04:11:16 | 05:27:53 | 2019.1.00722.S | NGC1232_a_03_7M | Deep CO(J=1-0) mapping survey of 103 Eridanus supergroup galaxies with Morita array | Morokuma | EA | 7-m | 3 |
| 03:35:32 | 04:24:17 | 2019.1.00260.S | WP_8078_a_03_TM1 | How is star formation regulated in merging galaxies? | Pan | EA | 12-m | 3 |
| 02:48:59 | 03:35:26 | 2019.1.00260.S | WP_8078_a_03_TM1 | How is star formation regulated in merging galaxies? | Pan | EA | 12-m | 3 |
| 02:25:25 | 03:46:49 | 2019.1.00722.S | NGC1232_a_03_7M | Deep CO(J=1-0) mapping survey of 103 Eridanus supergroup galaxies with Morita array | Morokuma | EA | 7-m | 3 |
| 01:39:56 | 02:48:52 | 2018.1.01358.S | NGC_253_a_04_TM1 | The Magnetic Heart of NGC253's Starburst-Driven Wind | Hughes | EU | 12-m | 4 |
| 00:46:38 | 02:12:20 | 2019.1.01251.S | Q0052+01_a_04_7M | SUPERCOLD-CGM: a high-z survey of molecular gas across the circum-galactic medium of Enormous Lya Nebulae | Emonts | NA | 7-m | 4 |

**2019-11-17**

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|---|---|---|---|---|---|---|---|---|
| 23:53:28 | 00:50:09 | 2018.1.01358.S | NGC_253_a_04_TM1 | The Magnetic Heart of NGC253's Starburst-Driven Wind | Hughes | EU | 12-m | 4 |
| 23:16:50 | 00:46:31 | 2019.1.01251.S | Q2123-00_a_04_7M | SUPERCOLD-CGM: a high-z survey of molecular gas across the circum-galactic medium of Enormous Lya Nebulae | Emonts | NA | 7-m | 4 |
| 22:27:17 | 23:38:24 | 2018.1.01358.S | NGC_253_a_04_TM1 | The Magnetic Heart of NGC253's Starburst-Driven Wind | Hughes | EU | 12-m | 4 |
| 21:55:48 | 23:02:16 | 2018.A.00056.S | R_CrA_j_06_TP | Core mass function and formation mechanism of very low-mass stars | Tachihara | EA | Total Power | 6 |
| 21:47:21 | 23:16:42 | 2019.1.01251.S | Q2123-00_a_04_7M | SUPERCOLD-CGM: a high-z survey of molecular gas across the circum-galactic medium of Enormous Lya Nebulae | Emonts | NA | 7-m | 4 |
| 21:18:37 | 22:07:34 | 2019.1.01251.S | Q2123-00_a_04_TM1 | SUPERCOLD-CGM: a high-z survey of molecular gas across the circum-galactic medium of Enormous Lya Nebulae | Emonts | NA | 12-m | 4 |
| 20:41:28 | 21:48:19 | 2018.A.00056.S | R_CrA_j_06_TP | Core mass function and formation mechanism of very low-mass stars | Tachihara | EA | Total Power | 6 |
| 20:28:49 | 21:18:30 | 2019.1.01251.S | Q2123-00_a_04_TM1 | SUPERCOLD-CGM: a high-z survey of molecular gas across the circum-galactic medium of Enormous Lya Nebulae | Emonts | NA | 12-m | 4 |
| 20:17:52 | 21:40:04 | 2019.1.01251.S | Q2121+00_a_04_7M | SUPERCOLD-CGM: a high-z survey of molecular gas across the circum-galactic medium of Enormous Lya Nebulae | Emonts | NA | 7-m | 4 |
| 19:23:12 | 20:41:23 | 2019.1.01556.S | SDC13_a_03_TP | On the universality of fibres in star forming filaments | Williams | EU | Total Power | 3 |
| 19:13:50 | 20:17:46 | 2019.1.00297.S | SPT2048-_a_04_7M | A comprehensive sample of the two [CI] lines in lensed high-redshift galaxies | Bethermin | EU | 7-m | 4 |
| 18:26:48 | 19:41:54 | 2018.1.00101.S | G11.0970_a_03_TM1 | The initial gas flow towards extremely young high-mass clumps | Feng | EA | 12-m | 3 |
| 17:43:42 | 18:26:41 | 2018.1.00101.S | G34.7798_a_03_TM1 | The initial gas flow towards extremely young high-mass clumps | Feng | EA | 12-m | 3 |
| 17:26:16 | 18:58:20 | 2019.1.00685.S | I15384-5_a_03_7M | On the origin of the dense gas star formation law in Galactic high-mass star forming clumps | Liu | EA | 7-m | 3 |
| 17:23:39 | 17:43:36 | 2019.1.00743.S | HB89_174_d_03_TM1 | Investigating CO-Dark Molecular Gas through Synergetic Centimeter and Millimeter Absorption observations | Finger | CL | 12-m | 3 |
| 17:22:58 | 18:43:14 | 2019.1.01556.S | SDC13_a_03_TP | On the universality of fibres in star forming filaments | Williams | EU | Total Power | 3 |

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|---|---|---|---|---|---|---|---|---|
| 16:06:44 | 17:08:55 | 2019.1.00790.S | cB58_a_03_TM1 | Dense molecular gas as a test for star formation laws at z=2-3 | Man | NA | 12-m | 3 |
| 16:03:24 | 17:22:48 | 2019.1.01326.S | Position_o_03_TP | Localized Feedback Processes in the Galactic CMZ | Candelaria | NA | Total Power | 3 |
| 15:54:03 | 17:26:07 | 2019.1.00685.S | I15384-5_a_03_7M | On the origin of the dense gas star formation law in Galactic high-mass star forming clumps | Liu | EA | 7-m | 3 |
| 15:04:28 | 16:06:38 | 2019.1.00790.S | cB58_a_03_TM1 | Dense molecular gas as a test for star formation laws at z=2-3 | Man | NA | 12-m | 3 |
| 14:11:16 | 14:54:38 | 2019.1.01251.S | Q1416+26_a_04_TM1 | SUPERCOLD-CGM: a high-z survey of molecular gas across the circum-galactic medium of Enormous Lya Nebulae | Emonts | NA | 12-m | 4 |
| 13:49:51 | 14:54:08 | 2019.1.00685.S | I13471-6_a_03_7M | On the origin of the dense gas star formation law in Galactic high-mass star forming clumps | Liu | EA | 7-m | 3 |
| 13:23:25 | 14:03:14 | 2019.1.00347.S | Antennae_b_03_TM2 | Isotope ratios as a probe of starburst ages and the stellar IMF? A critical observational test in the Antennae galaxies | van der Werf | EU | 12-m | 3 |
| 12:32:46 | 13:49:01 | 2019.1.01804.S | EVCC2148_a_03_7M | A GEMS CO follow-up survey of IC 1459 group and NGC 4636 group | Lee | EA | 7-m | 3 |
| 12:16:39 | 13:23:19 | 2019.1.01251.S | Q1227+28_a_04_TM1 | SUPERCOLD-CGM: a high-z survey of molecular gas across the circum-galactic medium of Enormous Lya Nebulae | Emonts | NA | 12-m | 4 |
| 11:31:59 | 12:11:35 | 2019.1.00347.S | Antennae_b_03_TM2 | Isotope ratios as a probe of starburst ages and the stellar IMF? A critical observational test in the Antennae galaxies | van der Werf | EU | 12-m | 3 |
| 10:52:22 | 11:23:28 | 2019.1.00347.S | Antennae_a_03_TM2 | Isotope ratios as a probe of starburst ages and the stellar IMF? A critical observational test in the Antennae galaxies | van der Werf | EU | 12-m | 3 |
| 09:55:40 | 10:52:16 | 2019.1.00260.S | CP_8241_a_03_TM1 | How is star formation regulated in merging galaxies? | Pan | EA | 12-m | 3 |
| 08:20:44 | 09:25:44 | 2019.1.01317.S | NGC2023_a_03_TM1 | The excitation mechanism of spinning dust emission in NGC 2023 | Vidal | CL | 12-m | 3 |
| 07:15:26 | 08:20:38 | 2019.1.01317.S | NGC2023_a_03_TM1 | The excitation mechanism of spinning dust emission in NGC 2023 | Vidal | CL | 12-m | 3 |
| 05:57:58 | 07:00:47 | 2019.1.01317.S | NGC2023_a_03_TM1 | The excitation mechanism of spinning dust emission in NGC 2023 | Vidal | CL | 12-m | 3 |
| 05:38:38 | 05:57:53 | 2019.1.00743.S | PKS0528+_b_03_TM1 | Investigating CO-Dark Molecular Gas through Synergetic Centimeter and Millimeter Absorption observations | Finger | CL | 12-m | 3 |
| 04:37:19 | 05:38:32 | 2019.1.00260.S | WP_8085_a_03_TM1 | How is star formation regulated in merging galaxies? | Pan | EA | 12-m | 3 |
| 03:25:11 | 04:25:47 | 2019.1.00260.S | WP_8085_a_03_TM1 | How is star formation regulated in merging galaxies? | Pan | EA | 12-m | 3 |
| 03:04:04 | 03:24:53 | 2019.1.00260.S | WP_8085_b_03_TM1 | How is star formation regulated in merging galaxies? | Pan | EA | 12-m | 3 |
| 02:15:10 | 03:03:58 | 2019.1.00260.S | WP_8082_a_03_TM1 | How is star formation regulated in merging galaxies? | Pan | EA | 12-m | 3 |
| 01:56:12 | 02:15:05 | 2019.1.00743.S | HB89_023_b_03_TM1 | Investigating CO-Dark Molecular Gas through Synergetic Centimeter and Millimeter Absorption observations | Finger | CL | 12-m | 3 |
| 01:19:08 | 01:56:07 | 2019.1.00260.S | PM2_8153_a_03_TM1 | How is star formation regulated in merging galaxies? | Pan | EA | 12-m | 3 |

**2019-11-16**

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|---|---|---|---|---|---|---|---|---|
| 23:58:32 | 01:05:47 | 2019.1.00673.S | RCS_J231_a_03_TM1 | The highest resolution imaging of the Sunyaev-Zel'dovich effect at z~1 | Kitayama | EA | 12-m | 3 |
| 22:51:10 | 23:58:26 | 2019.1.00673.S | RCS_J231_a_03_TM1 | The highest resolution imaging of the Sunyaev-Zel'dovich effect at z~1 | Kitayama | EA | 12-m | 3 |
| 21:41:05 | 22:51:04 | 2019.1.00673.S | RCS_J231_a_03_TM1 | The highest resolution imaging of the Sunyaev-Zel'dovich effect at z~1 | Kitayama | EA | 12-m | 3 |
| 15:04:43 | 16:07:03 | 2019.1.00790.S | cB58_a_03_TM1 | Dense molecular gas as a test for | Man | NA | 12-m | 3 |

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|---|---|---|---|---|---|---|---|---|
| | | | | star formation laws at z=2-3 | | | | |
| 13:49:16 | 14:42:40 | 2019.1.01251.S | Q1416+26_a_04_TM1 | SUPERCOLD-CGM: a high-z survey of molecular gas across the circum-galactic medium of Enormous Lya Nebulae | Emonts | NA | 12-m | 4 |
| 12:42:04 | 13:49:10 | 2019.1.01251.S | Q1227+28_a_04_TM1 | SUPERCOLD-CGM: a high-z survey of molecular gas across the circum-galactic medium of Enormous Lya Nebulae | Emonts | NA | 12-m | 4 |
| 12:14:48 | 12:41:57 | 2019.1.00130.S | NGC4945_b_03_TM1 | A decisive answer on the carbon isotopic ratio in galaxies with ALMA | Martin | EU | 12-m | 3 |
| 10:10:07 | 11:13:19 | 2019.1.01286.S | HM2-2570_a_03_TM1 | Measuring molecular gas reservoirs in post-starburst galaxies during the peak quenching era | Kriek | NA | 12-m | 3 |
| 09:15:31 | 10:10:00 | 2019.1.00260.S | PM1_9512_a_03_TM1 | How is star formation regulated in merging galaxies? | Pan | EA | 12-m | 3 |
| 08:22:59 | 09:15:25 | 2019.1.00260.S | PM1_9512_a_03_TM1 | How is star formation regulated in merging galaxies? | Pan | EA | 12-m | 3 |
| 08:05:22 | 09:01:42 | 2019.1.00915.S | Ridge-N1_a_03_TP | Structural Evolution of Molecular Clouds Triggered by Supergiant Shells in LMC | Sawada | EA | Total Power | 3 |
| 07:51:30 | 08:22:53 | 2019.1.01166.T | TDE2_c_03_TM1 | Revealing the Diversity of Jets and Outflows in Tidal Disruption Events with ALMA | Alexander | NA | 12-m | 3 |
| 06:45:59 | 07:51:18 | 2019.1.01317.S | NGC2023_a_03_TM1 | The excitation mechanism of spinning dust emission in NGC 2023 | Vidal | CL | 12-m | 3 |
| 05:43:00 | 06:45:51 | 2019.1.01317.S | NGC2023_a_03_TM1 | The excitation mechanism of spinning dust emission in NGC 2023 | Vidal | CL | 12-m | 3 |
| 05:23:26 | 06:25:10 | 2019.1.00722.S | NGC1232_a_03_TP | Deep CO(J=1-0) mapping survey of 103 Eridanus supergroup galaxies with Morita array | Morokuma | EA | Total Power | 3 |
| 05:15:16 | 06:33:18 | 2019.1.01132.S | NGC1482_b_03_7M | Molecular gas in the starburst-driven superwind of NGC 1482 | Salak | EA | 7-m | 3 |
| 05:07:34 | 05:42:53 | 2018.1.01766.T | GammaRay_b_03_TM1 | Observing Jets and Outflows in Tidal Disruption Events with ALMA | Alexander | NA | 12-m | 3 |
| 04:20:09 | 05:23:19 | 2019.1.00722.S | NGC1232_a_03_TP | Deep CO(J=1-0) mapping survey of 103 Eridanus supergroup galaxies with Morita array | Morokuma | EA | Total Power | 3 |
| 04:13:26 | 05:07:28 | 2019.1.00260.S | CP_8085_a_03_TM1 | How is star formation regulated in merging galaxies? | Pan | EA | 12-m | 3 |
| 03:36:25 | 04:03:12 | 2019.1.00130.S | NGC1068_b_03_TM1 | A decisive answer on the carbon isotopic ratio in galaxies with ALMA | Martin | EU | 12-m | 3 |
| 03:07:42 | 04:02:43 | 2019.1.00722.S | NGC1232_a_03_TP | Deep CO(J=1-0) mapping survey of 103 Eridanus supergroup galaxies with Morita array | Morokuma | EA | Total Power | 3 |
| 03:00:57 | 03:36:18 | 2018.1.01766.T | GammaRay_b_03_TM1 | Observing Jets and Outflows in Tidal Disruption Events with ALMA | Alexander | NA | 12-m | 3 |
| 01:41:57 | 02:33:26 | 2019.1.00722.S | NGC1232_a_03_TP | Deep CO(J=1-0) mapping survey of 103 Eridanus supergroup galaxies with Morita array | Morokuma | EA | Total Power | 3 |
| 01:07:18 | 02:10:21 | 2019.1.01251.S | Q0101+02_a_04_TM1 | SUPERCOLD-CGM: a high-z survey of molecular gas across the circum-galactic medium of Enormous Lya Nebulae | Emonts | NA | 12-m | 4 |
| 00:21:17 | 01:40:53 | 2019.1.00673.S | RCS_J231_a_03_7M | The highest resolution imaging of the Sunyaev-Zel'dovich effect at z~1 | Kitayama | EA | 7-m | 3 |

**2019-11-15**

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|---|---|---|---|---|---|---|---|---|
| 23:34:52 | 00:42:19 | 2019.1.00673.S | RCS_J231_a_03_TM1 | The highest resolution imaging of the Sunyaev-Zel'dovich effect at z~1 | Kitayama | EA | 12-m | 3 |
| 23:01:21 | 00:21:10 | 2019.1.00673.S | RCS_J231_a_03_7M | The highest resolution imaging of the Sunyaev-Zel'dovich effect at z~1 | Kitayama | EA | 7-m | 3 |
| 22:25:50 | 23:33:45 | 2019.1.00673.S | RCS_J231_a_03_TM1 | The highest resolution imaging of the Sunyaev-Zel'dovich effect at z~1 | Kitayama | EA | 12-m | 3 |

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|---|---|---|---|---|---|---|---|---|
| 21:22:59 | 22:05:53 | 2019.1.00260.S | PM1_8615_a_03_TM1 | How is star formation regulated in merging galaxies? | Pan | EA | 12-m | 3 |
| 20:08:54 | 21:22:40 | 2018.1.00101.S | G11.0970_a_03_TM1 | The initial gas flow towards extremely young high-mass clumps | Feng | EA | 12-m | 3 |
| 11:35:13 | 11:49:07 | 2019.1.00195.L | 631754_a_06_TM2 | ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy | Molinari | EA EU NA | 12-m | 6 |
| 11:12:40 | 12:19:04 | 2018.A.00062.S | NGC_5128_a_06_TP | Physics at High Angular Resolution in Nearby Galaxies: The Local Galaxy Inventory Continued | Faesi | EU | Total Power | 6 |
| 11:09:14 | 11:35:07 | 2019.1.00195.L | 646022_a_06_TM2 | ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy | Molinari | EA EU NA | 12-m | 6 |
| 10:45:48 | 12:18:13 | 2019.1.00685.S | I12320-6_a_03_7M | On the origin of the dense gas star formation law in Galactic high-mass star forming clumps | Liu | EA | 7-m | 3 |
| 10:00:42 | 11:11:33 | 2018.A.00055.S | Mcld300_b_03_TP | Looking for the CO structure associated to excited molecular hydrogen in molecular clouds | Hily-Blant | EU | Total Power | 3 |
| 09:52:21 | 11:00:59 | 2019.1.01142.S | mosdef_2_a_06_TM1 | A unique study of dust, metals, gas, and star formation in typical galaxies at z~2 | Shivaei | NA | 12-m | 6 |
| 09:17:37 | 10:45:34 | 2019.1.00685.S | I12320-6_a_03_7M | On the origin of the dense gas star formation law in Galactic high-mass star forming clumps | Liu | EA | 7-m | 3 |
| 08:50:59 | 10:00:35 | 2019.1.00843.S | 30_Dorad_a_06_TP | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | Total Power | 6 |
| 08:43:20 | 09:17:29 | 2019.1.00507.S | CW_Leo_b_06_7M | Monitor 1.1mm line variability in IRC +10216 (IV). | He | CL | 7-m | 6 |
| 08:40:46 | 09:52:14 | 2019.1.01142.S | mosdef_2_a_06_TM1 | A unique study of dust, metals, gas, and star formation in typical galaxies at z~2 | Shivaei | NA | 12-m | 6 |
| 07:40:09 | 08:50:52 | 2019.1.00843.S | 30_Dorad_a_06_TP | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | Total Power | 6 |
| 07:34:58 | 08:40:39 | 2019.1.01317.S | NGC2023_a_03_TM1 | The excitation mechanism of spinning dust emission in NGC 2023 | Vidal | CL | 12-m | 3 |
| 07:26:29 | 08:43:13 | 2019.1.00843.S | 30_Dorad_b_06_7M | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | 7-m | 6 |
| 06:29:25 | 07:34:51 | 2019.1.01845.S | NGC1316_a_03_TM2 | CO(J=1-0) mapping observation of NGC1316 at a scale of 50 pc | Morokuma | EA | 12-m | 3 |
| 06:04:02 | 07:20:56 | 2019.1.00843.S | 30_Dorad_b_06_7M | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | 7-m | 6 |
| 05:05:23 | 06:13:23 | 2019.1.01634.L | XMM2-Z-1_a_06_TM1 | REBELS: An ALMA Large Program to Discover the Most Luminous [CII]+[OIII] Galaxies in the Reionization Epoch | Bouwens | CL EA EU NA | 12-m | 6 |
| 04:43:49 | 06:03:55 | 2019.1.01822.S | Filament_a_06_7M | The molecular gas of a multi-phase filament in the lobes of Fornax A | Kleiner | EU | 7-m | 6 |
| 04:07:11 | 05:05:10 | 2019.1.00260.S | CP_9195_a_03_TM1 | How is star formation regulated in merging galaxies? | Pan | EA | 12-m | 3 |
| 03:13:22 | 04:43:42 | 2019.1.01251.S | Q0052+01_a_04_7M | SUPERCOLD-CGM: a high-z survey of molecular gas across the circum-galactic medium of Enormous Lya Nebulae | Emonts | NA | 7-m | 4 |
| 03:11:23 | 04:07:05 | 2019.1.00260.S | CP_9195_a_03_TM1 | How is star formation regulated in merging galaxies? | Pan | EA | 12-m | 3 |
| 01:49:33 | 02:50:25 | 2019.1.00130.S | NGC1068_a_03_TM1 | A decisive answer on the carbon isotopic ratio in galaxies with ALMA | Martin | EU | 12-m | 3 |
| 01:47:40 | 03:13:15 | 2019.1.01251.S | Q0052+01_a_04_7M | SUPERCOLD-CGM: a high-z survey of molecular gas across the circum-galactic medium of Enormous Lya Nebulae | Emonts | NA | 7-m | 4 |
| 00:20:19 | 01:23:20 | 2018.1.00035.L | RXCJ0032_b_06_TM1 | ALMA Lensing Cluster Survey | Kohno | CL EA EU NA | 12-m | 6 |
| 00:14:40 | 01:16:48 | 2019.1.00297.S | SPT0136-_a_04_7M | A comprehensive sample of the two [CI] lines in lensed high-redshift galaxies | Bethermin | EU | 7-m | 4 |
| 00:13:43 | 01:23:38 | 2018.A.00062.S | NGC_0247_d_06_TP | Physics at High Angular | Faesi | EU | Total Power | 6 |

Resolution in Nearby Galaxies: The Local Galaxy Inventory Continued

**2019-11-14**

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|---|---|---|---|---|---|---|---|---|
| 23:33:56 | 00:19:25 | 2019.1.00260.S | PM1_8623_a_03_TM1 | How is star formation regulated in merging galaxies? | Pan | EA | 12-m | 3 |
| 23:04:26 | 00:13:37 | 2018.A.00062.S | NGC_0247_d_06_TP | Physics at High Angular Resolution in Nearby Galaxies: The Local Galaxy Inventory Continued | Faesi | EU | Total Power | 6 |
| 22:52:37 | 00:12:01 | 2019.1.00673.S | RCS_J231_a_03_7M | The highest resolution imaging of the Sunyaev-Zel'dovich effect at z~1 | Kitayama | EA | 7-m | 3 |
| 22:37:10 | 23:33:49 | 2019.1.00959.S | cQSO_J21_a_06_TM1 | A systematic experiment to measure fundamental differences in the star-formation properties of red and blue quasars | Alexander | EU | 12-m | 6 |
| 22:12:50 | 22:37:00 | 2019.1.00783.S | Titan_a_06_TM1 | Elucidating Titan's High-Altitude Nitrogen Chemistry | Cordiner | NA | 12-m | 6 |
| 21:46:21 | 22:04:34 | 2019.1.00263.S | DR21_DF1_a_06_TM2 | Explosive Outflows from Compact Groups of Forming Massive Protostars | Bally | NA | 12-m | 6 |
| 21:29:08 | 22:57:09 | 2019.1.00263.S | G34.26+0_a_06_TP | Explosive Outflows from Compact Groups of Forming Massive Protostars | Bally | NA | Total Power | 6 |
| 21:28:51 | 22:52:31 | 2019.1.00673.S | RCS_J231_a_03_7M | The highest resolution imaging of the Sunyaev-Zel'dovich effect at z~1 | Kitayama | EA | 7-m | 3 |
| 20:31:51 | 21:43:17 | 2019.1.01792.S | Aql_01_a_06_TM1 | Low Mass Protostellar Outflows: An Efficient Legacy Survey | Mardones | CL | 12-m | 6 |
| 20:11:11 | 20:30:13 | 2019.1.00743.S | HB89_174_a_03_TM1 | Investigating CO-Dark Molecular Gas through Synergetic Centimeter and Millimeter Absorption observations | Finger | CL | 12-m | 3 |
| 20:01:07 | 21:27:50 | 2019.1.00639.S | G034.77-_a_06_TP | The Infrared Dark Cloud G034.77-00.55 and the first fully resolved interstellar magnetised shock | Cosentino | EU | Total Power | 6 |
| 19:55:37 | 21:21:19 | 2019.1.01556.S | SDC13_a_03_7M | On the universality of fibres in star forming filaments | Williams | EU | 7-m | 3 |
| 18:58:52 | 19:49:50 | 2019.1.00407.S | GRB12081_a_03_TM1 | Connecting molecular gas properties of high-redshift galaxies observed in absorption and emission | Heintz | OTHER | 12-m | 3 |
| 18:45:38 | 20:01:00 | 2019.1.01056.S | WRAY_17-_a_06_TP | Looking for the missing mass in Luminous Blue Variables | Cerrigone | NA | Total Power | 6 |
| 18:36:33 | 18:56:04 | 2019.1.00743.S | HB89_174_b_03_TM1 | Investigating CO-Dark Molecular Gas through Synergetic Centimeter and Millimeter Absorption observations | Finger | CL | 12-m | 3 |
| 17:53:29 | 18:36:23 | 2019.1.00743.S | HB89_153_a_03_TM1 | Investigating CO-Dark Molecular Gas through Synergetic Centimeter and Millimeter Absorption observations | Finger | CL | 12-m | 3 |
| 17:34:46 | 17:53:21 | 2019.1.01022.S | PKS1733-_a_03_TM1 | Quantifying the cool gas reservoirs of a benchmark sample of radio AGN: CO(1-0) observations of the 2Jy sample | Tadhunter | EU | 12-m | 3 |
| 17:16:51 | 17:34:39 | 2019.1.01022.S | PKS1559+_a_03_TM1 | Quantifying the cool gas reservoirs of a benchmark sample of radio AGN: CO(1-0) observations of the 2Jy sample | Tadhunter | EU | 12-m | 3 |
| 17:07:50 | 18:14:36 | 2019.1.01056.S | WRAY_17-_a_06_TP | Looking for the missing mass in Luminous Blue Variables | Cerrigone | NA | Total Power | 6 |
| 15:30:48 | 16:49:03 | 2019.1.00195.L | 776981_a_06_7M | ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy | Molinari | EA EU NA | 7-m | 6 |
| 15:20:07 | 16:33:55 | 2019.1.00763.L | NGC_4808_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 15:19:56 | 16:22:16 | 2019.1.00790.S | cB58_a_03_TM1 | Dense molecular gas as a test for star formation laws at z=2-3 | Man | NA | 12-m | 3 |
| 14:15:22 | 15:17:57 | 2019.1.00205.S | BR1202-0_b_03_TM1 | Physical conditions and chemical processes of the ISM at high redshift: a line survey towards BR1202-0725 | Yang | EU | 12-m | 3 |

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|---|---|---|---|---|---|---|---|---|
| 13:59:04 | 15:22:55 | 2019.1.00195.L | 701007_a_06_7M | ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy | Molinari | EA EU NA | 7-m | 6 |
| 13:57:54 | 15:12:02 | 2019.1.00763.L | NGC_4808_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 13:00:32 | 14:02:05 | 2019.1.00205.S | BR1202-0_b_03_TM1 | Physical conditions and chemical processes of the ISM at high redshift: a line survey towards BR1202-0725 | Yang | EU | 12-m | 3 |
| 12:24:41 | 13:41:54 | 2019.1.00763.L | NGC_4713_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 11:04:56 | 12:35:41 | 2017.1.00939.S | OST_44_a_09_TM1 | Probing the processes of early planet formation in the disk around a young, isolated, planetary-mass object | Bayo | CL | 12-m | 9 |
| 10:37:15 | 11:57:48 | 2019.1.00763.L | IC_3418_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 10:24:22 | 12:16:27 | 2019.1.01832.S | COS.0019_a_08_7M | On the Spectral Energy Distribution of Dusty, Star-Forming Galaxies: the nature of the dust temperature evolution. | Zavala | NA | 7-m | 8 |
| 09:34:50 | 10:44:33 | 2019.1.01275.S | cid_1040_a_07_TM1 | Identifying the most obscured phase of accreting black holes at high redshift | Suh | EA | 12-m | 7 |
| 09:08:04 | 10:36:27 | 2019.1.00558.S | Horsehea_a_07_TP | Photo-erosion of molecular clouds: The Horsehead | Guzman | CL | Total Power | 7 |
| 08:20:39 | 10:08:46 | 2019.1.00558.S | Horsehea_a_07_7M | Photo-erosion of molecular clouds: The Horsehead | Guzman | CL | 7-m | 7 |
| 08:16:52 | 09:34:41 | 2019.1.00558.S | Horsehea_a_07_TM1 | Photo-erosion of molecular clouds: The Horsehead | Guzman | CL | 12-m | 7 |
| 07:39:53 | 09:07:57 | 2019.1.00558.S | Horsehea_a_07_TP | Photo-erosion of molecular clouds: The Horsehead | Guzman | CL | Total Power | 7 |
| 07:11:04 | 08:16:45 | 2019.1.00061.S | MACS0416_a_07_TM1 | Probing Cosmic Dawn: Estimating the Stellar Ages of z~9 Galaxies | Ellis | EU | 12-m | 7 |
| 07:03:03 | 08:19:34 | 2019.1.00843.S | 30_Dorad_b_06_7M | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | 7-m | 6 |
| 06:10:25 | 07:39:47 | 2019.1.00558.S | Horsehea_a_07_TP | Photo-erosion of molecular clouds: The Horsehead | Guzman | CL | Total Power | 7 |
| 05:49:36 | 07:10:57 | 2019.1.00558.S | Horsehea_a_07_TM1 | Photo-erosion of molecular clouds: The Horsehead | Guzman | CL | 12-m | 7 |
| 05:46:12 | 07:02:56 | 2019.1.00843.S | 30_Dorad_b_06_7M | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | 7-m | 6 |
| 04:40:44 | 06:10:18 | 2019.1.00558.S | Horsehea_a_07_TP | Photo-erosion of molecular clouds: The Horsehead | Guzman | CL | Total Power | 7 |
| 04:24:30 | 04:45:33 | 2019.1.01155.S | G224_a_07_TM1 | Extending the GEMS sample of brightest gravitational lenses | Hill | NA | 12-m | 7 |
| 03:40:22 | 04:22:25 | 2019.1.01528.S | 1mm.25_a_04_TM1 | A new Benchmark for CO Excitation in Normal High-z Galaxies | Boogaard | EU | 12-m | 4 |
| 03:15:55 | 03:39:55 | 2019.1.01514.S | SMG_c_1_04_TM1 | Confirming large-scale structures of dusty galaxies around enormous Lyman-alpha nebulae and high-z quasars | Arrigoni Battaia | EU | 12-m | 4 |
| 02:44:13 | 03:53:32 | 2018.A.00062.S | NGC_0247_c_06_TP | Physics at High Angular Resolution in Nearby Galaxies: The Local Galaxy Inventory Continued | Faesi | EU | Total Power | 6 |
| 02:34:13 | 03:15:49 | 2019.1.01528.S | 1mm.03_a_04_TM1 | A new Benchmark for CO Excitation in Normal High-z Galaxies | Boogaard | EU | 12-m | 4 |
| 02:12:51 | 03:36:57 | 2019.1.01822.S | Filament_a_06_7M | The molecular gas of a multi-phase filament in the lobes of Fornax A | Kleiner | EU | 7-m | 6 |
| 01:30:10 | 02:44:07 | 2018.A.00062.S | NGC_0247_c_06_TP | Physics at High Angular Resolution in Nearby Galaxies: The Local Galaxy Inventory Continued | Faesi | EU | Total Power | 6 |
| 01:12:58 | 02:15:00 | 2019.1.00959.S | ERQ_J232_a_06_TM1 | A systematic experiment to measure fundamental differences in the star-formation properties of red and blue quasars | Alexander | EU | 12-m | 6 |
| 00:07:45 | 00:55:39 | 2019.1.01251.S | Q2121+00_a_04_TM1 | SUPERCOLD-CGM: a high-z survey of molecular gas across the circum-galactic medium of | Emonts | NA | 12-m | 4 |

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| | | | | Enormous Lya Nebulae | | | | |
| 00:05:07 | 01:16:25 | 2018.A.00062.S | NGC_0247_b_06_TP | Physics at High Angular Resolution in Nearby Galaxies: The Local Galaxy Inventory Continued | Faesi | EU | Total Power | 6 |

**2019-11-13**

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|---|---|---|---|---|---|---|---|---|
| 23:57:35 | 01:26:53 | 2019.1.01251.S | Q0050+00_a_04_7M | SUPERCOLD-CGM: a high-z survey of molecular gas across the circum-galactic medium of Enormous Lya Nebulae | Emonts | NA | 7-m | 4 |
| 23:34:10 | 00:05:55 | 2019.1.01477.S | HerBS-10_b_04_TM1 | A comprehensive ALMA Redshift Survey of the Brightest Herschel Galaxies | Urquhart | EU | 12-m | 4 |
| 22:18:56 | 23:34:01 | 2018.1.00101.S | G11.0970_a_03_TM1 | The initial gas flow towards extremely young high-mass clumps | Feng | EA | 12-m | 3 |
| 21:27:07 | 22:54:21 | 2019.1.00195.L | 46677_a_06_7M | ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy | Molinari | EA EU NA | 7-m | 6 |
| 21:19:55 | 22:18:50 | 2019.1.01240.S | Arches_b_03_TM1 | Using absorption to constrain the 3D structure of the Galactic center ISM | Mills | NA | 12-m | 3 |
| 14:57:17 | 16:05:59 | 2018.A.00062.S | NGC_4945_a_06_TP | Physics at High Angular Resolution in Nearby Galaxies: The Local Galaxy Inventory Continued | Faesi | EU | Total Power | 6 |
| 14:52:31 | 15:56:28 | 2019.1.00685.S | I13471-6_a_03_7M | On the origin of the dense gas star formation law in Galactic high-mass star forming clumps | Liu | EA | 7-m | 3 |
| 14:42:18 | 15:40:55 | 2019.1.00685.S | I12320-6_a_03_TM1 | On the origin of the dense gas star formation law in Galactic high-mass star forming clumps | Liu | EA | 12-m | 3 |
| 13:45:34 | 14:52:24 | 2019.1.00763.L | NGC_4405_a_06_7M | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | 7-m | 6 |
| 13:36:36 | 14:57:03 | 2019.1.00763.L | IC_3418_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 13:30:33 | 14:42:10 | 2019.1.00195.L | 701007_a_06_TM2 | ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy | Molinari | EA EU NA | 12-m | 6 |
| 12:47:35 | 13:18:29 | 2019.1.00195.L | 683688_a_06_TM2 | ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy | Molinari | EA EU NA | 12-m | 6 |
| 12:37:18 | 13:45:11 | 2019.1.00763.L | NGC_4189_a_06_7M | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | 7-m | 6 |
| 12:12:30 | 13:29:24 | 2019.1.00763.L | NGC_4713_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 11:38:26 | 12:47:28 | 2019.1.01142.S | mosdef_2_a_06_TM1 | A unique study of dust, metals, gas, and star formation in typical galaxies at z~2 | Shivaei | NA | 12-m | 6 |
| 11:07:23 | 12:12:08 | 2019.1.00763.L | NGC_4216_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 10:13:19 | 11:21:54 | 2019.1.01142.S | mosdef_2_a_06_TM1 | A unique study of dust, metals, gas, and star formation in typical galaxies at z~2 | Shivaei | NA | 12-m | 6 |
| 09:54:49 | 11:00:05 | 2019.1.00763.L | NGC_4216_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 09:48:58 | 11:08:05 | 2019.1.00195.L | 683688_a_06_7M | ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy | Molinari | EA EU NA | 7-m | 6 |
| 09:03:54 | 10:13:12 | 2019.1.01142.S | mosdef_2_a_06_TM1 | A unique study of dust, metals, gas, and star formation in typical galaxies at z~2 | Shivaei | NA | 12-m | 6 |
| 09:02:47 | 09:48:51 | 2019.1.00297.S | SPT0512-_a_06_7M | A comprehensive sample of the two [CI] lines in lensed high-redshift galaxies | Bethermin | EU | 7-m | 6 |
| 08:44:53 | 09:54:42 | 2019.1.00843.S | 30_Dorad_a_06_TP | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | Total Power | 6 |
| 08:07:56 | 09:02:40 | 2019.1.00363.S | NGC2187A_a_06_7M | WISDOM: Constraining the scatter in the M-sigma relation at fixed velocity dispersion | Davis | EU | 7-m | 6 |
| 07:58:22 | 09:03:48 | 2019.1.01317.S | NGC2023_a_03_TM1 | The excitation mechanism of spinning dust emission in NGC 2023 | Vidal | CL | 12-m | 3 |

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|---|---|---|---|---|---|---|---|---|
| 07:33:57 | 08:44:47 | 2019.1.00843.S | 30_Dorad_a_06_TP | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | Total Power | 6 |
| 07:15:51 | 07:58:16 | 2019.1.00246.S | Orion-KL_a_06_TM1 | Moving Past Small Number Statistics in Astrochemistry: A Molecular Survey of 25 Hot Cores | McGuire | NA | 12-m | 6 |
| 07:01:58 | 08:07:35 | 2019.1.00263.S | IRAS0550_a_06_7M | Explosive Outflows from Compact Groups of Forming Massive Protostars | Bally | NA | 7-m | 6 |
| 06:22:42 | 07:33:51 | 2019.1.00843.S | 30_Dorad_a_06_TP | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | Total Power | 6 |
| 06:11:18 | 07:15:45 | 2019.1.01178.S | 8083-610_a_03_TM1 | Why star formation is suppressed in green valley galaxies? | Lin | EA | 12-m | 3 |
| 05:45:54 | 07:01:51 | 2019.1.00722.S | ESO_482G_a_03_7M | Deep CO(J=1-0) mapping survey of 103 Eridanus supergroup galaxies with Morita array | Morokuma | EA | 7-m | 3 |
| 05:20:12 | 06:22:35 | 2019.1.00722.S | NGC1232_a_03_TP | Deep CO(J=1-0) mapping survey of 103 Eridanus supergroup galaxies with Morita array | Morokuma | EA | Total Power | 3 |
| 05:05:39 | 06:11:11 | 2019.1.01317.S | NGC2023_b_03_TM1 | The excitation mechanism of spinning dust emission in NGC 2023 | Vidal | CL | 12-m | 3 |
| 04:29:14 | 05:45:44 | 2019.1.00722.S | NGC1232_a_03_7M | Deep CO(J=1-0) mapping survey of 103 Eridanus supergroup galaxies with Morita array | Morokuma | EA | 7-m | 3 |
| 04:24:51 | 05:20:05 | 2019.1.00915.S | Ridge-N1_a_03_TP | Structural Evolution of Molecular Clouds Triggered by Supergiant Shells in LMC | Sawada | EA | Total Power | 3 |
| 04:24:27 | 05:05:33 | 2019.1.00260.S | PM1_9194_a_03_TM1 | How is star formation regulated in merging galaxies? | Pan | EA | 12-m | 3 |
| 03:29:20 | 04:24:46 | 2019.1.00915.S | Ridge-N1_a_03_TP | Structural Evolution of Molecular Clouds Triggered by Supergiant Shells in LMC | Sawada | EA | Total Power | 3 |
| 03:26:28 | 04:24:21 | 2019.1.00130.S | NGC1068_a_03_TM1 | A decisive answer on the carbon isotopic ratio in galaxies with ALMA | Martin | EU | 12-m | 3 |
| 03:18:23 | 04:29:07 | 2019.1.00722.S | ESO_482G_a_03_7M | Deep CO(J=1-0) mapping survey of 103 Eridanus supergroup galaxies with Morita array | Morokuma | EA | 7-m | 3 |
| 02:28:21 | 03:26:22 | 2019.1.00130.S | NGC1068_a_03_TM1 | A decisive answer on the carbon isotopic ratio in galaxies with ALMA | Martin | EU | 12-m | 3 |
| 02:27:17 | 03:29:13 | 2019.1.00722.S | NGC1232_a_03_TP | Deep CO(J=1-0) mapping survey of 103 Eridanus supergroup galaxies with Morita array | Morokuma | EA | Total Power | 3 |
| 01:58:01 | 03:18:15 | 2019.1.00722.S | NGC1232_a_03_7M | Deep CO(J=1-0) mapping survey of 103 Eridanus supergroup galaxies with Morita array | Morokuma | EA | 7-m | 3 |
| 01:25:25 | 02:27:11 | 2019.1.00722.S | NGC1232_a_03_TP | Deep CO(J=1-0) mapping survey of 103 Eridanus supergroup galaxies with Morita array | Morokuma | EA | Total Power | 3 |
| 00:25:05 | 01:44:36 | 2019.1.00673.S | RCS_J231_a_03_7M | The highest resolution imaging of the Sunyaev-Zel'dovich effect at z~1 | Kitayama | EA | 7-m | 3 |
| 00:19:40 | 01:33:03 | 2019.1.00486.S | SPT2340-_a_03_TM1 | Completing the SPT+ALMA Redshift Survey | Reuter | NA | 12-m | 3 |

## 2019-11-12

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|---|---|---|---|---|---|---|---|---|
| 23:27:38 | 00:19:33 | 2019.1.00260.S | WP_8616_a_03_TM1 | How is star formation regulated in merging galaxies? | Pan | EA | 12-m | 3 |
| 23:05:00 | 00:24:59 | 2019.1.00673.S | RCS_J231_a_03_7M | The highest resolution imaging of the Sunyaev-Zel'dovich effect at z~1 | Kitayama | EA | 7-m | 3 |
| 22:43:34 | 23:18:40 | 2019.1.01477.S | HerBS-10_b_03_TM1 | A comprehensive ALMA Redshift Survey of the Brightest Herschel Galaxies | Urquhart | EU | 12-m | 3 |
| 21:31:23 | 22:57:18 | 2019.1.01556.S | SDC13_a_03_7M | On the universality of fibres in star forming filaments | Williams | EU | 7-m | 3 |
| 20:31:05 | 20:53:11 | 2019.1.01022.S | PKS1814-_a_03_TM1 | Quantifying the cool gas reservoirs of a benchmark sample of radio AGN: CO(1-0) observations of the 2Jy sample | Tadhunter | EU | 12-m | 3 |
| 20:00:10 | 21:31:17 | 2019.1.00685.S | I16272-4_a_03_7M | On the origin of the dense gas star formation law in Galactic high-mass star forming clumps | Liu | EA | 7-m | 3 |

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|---|---|---|---|---|---|---|---|---|
| 18:04:03 | 18:54:41 | 2019.1.00407.S | GRB12081_a_03_TM1 | Connecting molecular gas properties of high-redshift galaxies observed in absorption and emission | Heintz | OTHER | 12-m | 3 |
| 17:27:20 | 18:58:48 | 2019.1.00685.S | I16272-4_a_03_7M | On the origin of the dense gas star formation law in Galactic high-mass star forming clumps | Liu | EA | 7-m | 3 |
| 17:25:29 | 18:03:08 | 2019.1.00685.S | I13471-6_a_03_TM1 | On the origin of the dense gas star formation law in Galactic high-mass star forming clumps | Liu | EA | 12-m | 3 |
| 16:46:58 | 17:25:13 | 2019.1.01257.S | G15-2667_a_03_TM1 | A redshift survey of Herschel ultrared dusty, star-forming galaxies at z > 4 | Ma | NA | 12-m | 3 |
| 16:09:15 | 16:41:50 | 2019.1.01257.S | G15-2667_c_03_TM1 | A redshift survey of Herschel ultrared dusty, star-forming galaxies at z > 4 | Ma | NA | 12-m | 3 |
| 15:23:42 | 16:47:27 | 2019.1.00685.S | I14382-6_a_03_7M | On the origin of the dense gas star formation law in Galactic high-mass star forming clumps | Liu | EA | 7-m | 3 |
| 14:44:27 | 15:46:19 | 2019.1.01124.S | ngc4191_a_03_TM1 | Which way does it go? Molecular gas in multi-spin stellar counterrotator galaxies | Young | NA | 12-m | 3 |
| 14:00:06 | 15:16:15 | 2019.1.01804.S | EVCC2148_a_03_7M | A GEMS CO follow-up survey of IC 1459 group and NGC 4636 group | Lee | EA | 7-m | 3 |
| 13:34:30 | 14:36:20 | 2019.1.01124.S | ngc4191_a_03_TM1 | Which way does it go? Molecular gas in multi-spin stellar counterrotator galaxies | Young | NA | 12-m | 3 |
| 12:30:25 | 13:34:24 | 2019.1.01641.S | NGC_3627_a_03_TM1 | CNO isotopes as probes of the IMF and chemical enrichment of galaxies | Zhang | EU | 12-m | 3 |
| 11:29:55 | 11:57:13 | 2019.1.01257.S | G09-3400_b_03_TM1 | A redshift survey of Herschel ultrared dusty, star-forming galaxies at z > 4 | Ma | NA | 12-m | 3 |
| 11:12:22 | 12:28:28 | 2019.1.01804.S | EVCC2148_a_03_7M | A GEMS CO follow-up survey of IC 1459 group and NGC 4636 group | Lee | EA | 7-m | 3 |
| 10:26:38 | 11:29:49 | 2019.1.01286.S | HM2-2570_a_03_TM1 | Measuring molecular gas reservoirs in post-starburst galaxies during the peak quenching era | Kriek | NA | 12-m | 3 |
| 09:46:51 | 11:04:51 | 2019.1.01124.S | ngc4191_a_03_7M | Which way does it go? Molecular gas in multi-spin stellar counterrotator galaxies | Young | NA | 7-m | 3 |
| 09:23:26 | 10:26:32 | 2019.1.01286.S | HM2-2570_a_03_TM1 | Measuring molecular gas reservoirs in post-starburst galaxies during the peak quenching era | Kriek | NA | 12-m | 3 |
| 08:39:46 | 09:46:45 | 2019.1.00915.S | Ridge-W1_a_03_7M | Structural Evolution of Molecular Clouds Triggered by Supergiant Shells in LMC | Sawada | EA | 7-m | 3 |
| 08:20:13 | 09:23:20 | 2019.1.01286.S | HM2-2139_a_03_TM1 | Measuring molecular gas reservoirs in post-starburst galaxies during the peak quenching era | Kriek | NA | 12-m | 3 |
| 07:37:15 | 08:39:39 | 2019.1.00915.S | Ridge-M1_a_03_7M | Structural Evolution of Molecular Clouds Triggered by Supergiant Shells in LMC | Sawada | EA | 7-m | 3 |
| 07:14:41 | 08:20:07 | 2019.1.01845.S | NGC1316_a_03_TM2 | CO(J=1-0) mapping observation of NGC1316 at a scale of 50 pc | Morokuma | EA | 12-m | 3 |
| 06:15:40 | 07:37:08 | 2019.1.00722.S | APMBGC_4_a_03_7M | Deep CO(J=1-0) mapping survey of 103 Eridanus supergroup galaxies with Morita array | Morokuma | EA | 7-m | 3 |
| 06:06:01 | 07:14:35 | 2019.1.00156.S | J0235_a_03_TM1 | CO spectroscopy for remarkably luminous Lyman break galaxies at z=6.030-6.203 | Ono | EA | 12-m | 3 |
| 05:02:47 | 06:05:54 | 2019.1.01178.S | 8081-127_a_03_TM1 | Why star formation is suppressed in green valley galaxies? | Lin | EA | 12-m | 3 |
| 04:59:03 | 06:15:33 | 2019.1.00722.S | NGC1232_a_03_7M | Deep CO(J=1-0) mapping survey of 103 Eridanus supergroup galaxies with Morita array | Morokuma | EA | 7-m | 3 |
| 03:59:16 | 05:02:31 | 2019.1.01178.S | 8081-127_a_03_TM1 | Why star formation is suppressed in green valley galaxies? | Lin | EA | 12-m | 3 |
| 03:56:12 | 04:58:56 | 2019.1.00915.S | Ridge-M1_a_03_7M | Structural Evolution of Molecular Clouds Triggered by Supergiant Shells in LMC | Sawada | EA | 7-m | 3 |
| 02:52:45 | 03:59:10 | 2019.1.00156.S | J0235_a_03_TM1 | CO spectroscopy for remarkably luminous Lyman break galaxies at z=6.030-6.203 | Ono | EA | 12-m | 3 |

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|---|---|---|---|---|---|---|---|---|
| 02:36:10 | 03:56:05 | 2019.1.00673.S | RCS_J231_a_03_7M | The highest resolution imaging of the Sunyaev-Zel'dovich effect at z~1 | Kitayama | EA | 7-m | 3 |
| 01:57:17 | 02:52:18 | 2019.1.00156.S | J0217_a_03_TM1 | CO spectroscopy for remarkably luminous Lyman break galaxies at z=6.030-6.203 | Ono | EA | 12-m | 3 |
| 01:03:32 | 02:23:09 | 2019.1.00673.S | RCS_J231_a_03_7M | The highest resolution imaging of the Sunyaev-Zel'dovich effect at z~1 | Kitayama | EA | 7-m | 3 |
| 00:46:57 | 01:43:57 | 2019.1.00156.S | J0217_a_03_TM1 | CO spectroscopy for remarkably luminous Lyman break galaxies at z=6.030-6.203 | Ono | EA | 12-m | 3 |
| 00:09:18 | 00:46:51 | 2019.1.01190.S | MCG-02-0_a_03_TM1 | Mapping the Ionizing Photon Rates from Luminous Starburst Galaxies in the local Universe | Linden | NA | 12-m | 3 |

**2019-11-11**

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|---|---|---|---|---|---|---|---|---|
| 23:43:52 | 01:03:27 | 2019.1.00673.S | RCS_J231_a_03_7M | The highest resolution imaging of the Sunyaev-Zel'dovich effect at z~1 | Kitayama | EA | 7-m | 3 |
| 23:42:49 | 00:07:38 | 2019.1.01257.S | HELMS_RE_a_03_TM1 | A redshift survey of Herschel ultrared dusty, star-forming galaxies at z > 4 | Ma | NA | 12-m | 3 |
| 23:00:06 | 23:42:42 | 2019.1.01190.S | NGC_7592_a_03_TM1 | Mapping the Ionizing Photon Rates from Luminous Starburst Galaxies in the local Universe | Linden | NA | 12-m | 3 |
| 22:30:38 | 22:59:09 | 2019.1.01477.S | HerBS-10_l_03_TM1 | A comprehensive ALMA Redshift Survey of the Brightest Herschel Galaxies | Urquhart | EU | 12-m | 3 |
| 22:23:15 | 23:43:16 | 2019.1.00673.S | RCS_J231_a_03_7M | The highest resolution imaging of the Sunyaev-Zel'dovich effect at z~1 | Kitayama | EA | 7-m | 3 |
| 21:44:36 | 22:30:09 | 2019.1.01663.S | SN2018ff_a_03_TM1 | Testing the Connection Between Fast Radio Bursts and Superluminous Supernovae with ALMA | Eftekhari | NA | 12-m | 3 |
| 21:29:34 | 22:49:32 | 2019.1.01556.S | SDC13_a_03_TP | On the universality of fibres in star forming filaments | Williams | EU | Total Power | 3 |
| 21:10:43 | 22:22:15 | 2019.1.00187.S | T_Mic_a_03_7M | Initial mass estimates for AGB stars from oxygen isotopes | Danilovich | EU | 7-m | 3 |
| 20:45:49 | 21:44:30 | 2019.1.01240.S | Arches_b_03_TM1 | Using absorption to constrain the 3D structure of the Galactic center ISM | Mills | NA | 12-m | 3 |
| 19:46:42 | 20:45:25 | 2019.1.01240.S | Arches_b_03_TM1 | Using absorption to constrain the 3D structure of the Galactic center ISM | Mills | NA | 12-m | 3 |