

ALMA Observing Activity from 2019-11-25T17:59:00 to 2019-12-02T18:00:00
QA0 pass executions

2019-11-25

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|----------------|-------------------|---|-----------|-----------|-------|------|
| 20:09:58 | 21:30:43 | 2019.1.00994.S | M17SW_a_06_7M | Why is there a 400 K cloud of C3H+ in Lipnicky M17SW? | | NA | 7-m | 6 |
| 20:47:55 | 21:29:58 | 2019.1.00783.S | Titan_c_06_TM1 | Elucidating Titan's High-Altitude Nitrogen Chemistry | Cordiner | NA | 12-m | 6 |
| 21:30:08 | 22:29:50 | 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 |
| 22:15:11 | 23:35:09 | 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 |
| 22:29:56 | 22:53:18 | 2019.1.01477.S | HerBS-10_a_04_TM1 | A comprehensive ALMA Redshift Survey of the Brightest Herschel Galaxies | Urquhart | EU | 12-m | 4 |
| 23:01:35 | 23:55:41 | 2019.1.01305.S | ngc7743_a_06_TM1 | The direct measurement of the bar pattern speed of galaxies | Tanaka | EA | 12-m | 6 |
| 23:55:47 | 00:20:19 | 2019.1.01477.S | HerBS-15_c_04_TM1 | A comprehensive ALMA Redshift Survey of the Brightest Herschel Galaxies | Urquhart | EU | 12-m | 4 |

2019-11-26

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|----------------|-------------------|--|-----------|-------------|-------------|------|
| 00:21:42 | 01:24:50 | 2018.1.00035.L | RXCJ0032_b_06_TM1 | ALMA Lensing Cluster Survey | Kohnno | CL EA EU NA | 12-m | 6 |
| 00:54:12 | 02:18:19 | 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 |
| 01:43:27 | 02:51:41 | 2018.A.00062.S | NGC_1313_c_06_TP | Physics at High Angular Resolution in Nearby Galaxies: The Local Galaxy Inventory Continued | | EU | Total Power | 6 |
| 01:55:06 | 02:25:28 | 2019.1.01634.L | XMM-J-67_a_07_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 | 7 |
| 02:25:35 | 02:58:11 | 2019.1.01634.L | XMM-J-67_b_07_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 | 7 |
| 02:51:48 | 03:47:40 | 2018.A.00062.S | NGC_1313_a_06_TP | Physics at High Angular Resolution in Nearby Galaxies: The Local Galaxy Inventory Continued | | EU | Total Power | 6 |
| 02:58:14 | 04:20:03 | 2019.1.00843.S | 30_Dorad_c_06_7M | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | 7-m | 6 |
| 02:59:46 | 04:10:01 | 2018.1.00575.S | SPT0311-a_07_TM1 | The Formation of Massive Galaxies in the Reionization Era | Marrone | NA | 12-m | 7 |
| 04:10:36 | 04:50:51 | 2019.1.00703.S | T_Tau_a_07_TM2 | Investigating Disk Disruption and Mass Outflow Triggered by Binary Orbital Motion: The Important Case of T Tauri South | Beck | NA | 12-m | 7 |
| 04:20:46 | 06:13:24 | 2019.1.00558.S | Horsehea_a_07_7M | Photo-erosion of molecular clouds: The Horsehead | Guzman | CL | 7-m | 7 |
| 04:51:40 | 06:03:32 | 2019.1.00327.S | SPT0615-a_07_TM1 | Confirming FIR [O III] emission from a candidate z ~ 10 galaxy | Tamura | EA | 12-m | 7 |
| 05:22:15 | 06:51:36 | 2019.1.00558.S | Horsehea_a_07_TP | Photo-erosion of molecular clouds: The Horsehead | Guzman | CL | Total Power | 7 |
| 06:05:12 | 06:41:31 | 2019.1.01634.L | MACS0429_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 |
| 06:13:32 | 08:06:16 | 2019.1.00558.S | Horsehea_a_07_7M | Photo-erosion of molecular clouds: The Horsehead | Guzman | CL | 7-m | 7 |
| 06:41:38 | 07:28:13 | 2019.1.01517.S | HD_36546_a_06_TM1 | Gas around MS stars: A common exocometary origin for hot and cold gas | Rebollido | EU | 12-m | 6 |
| 06:51:44 | 08:19:44 | 2019.1.00558.S | Horsehea_a_07_TP | Photo-erosion of molecular clouds: The Horsehead | Guzman | CL | Total Power | 7 |
| 07:29:33 | 08:47:43 | 2018.1.01784.S | SDSS_J08_b_07_TM1 | Detecting the Full Range of z~4 Galaxies Associated with Damped Ly-alpha Systems | Prochaska | NA | 12-m | 7 |
| 08:07:34 | 10:00:33 | 2019.1.00558.S | Horsehea_a_07_7M | Photo-erosion of molecular clouds: The Horsehead | Guzman | CL | 7-m | 7 |

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|----------|----------|----------------|-------------------|---|---------------------|-------------|-------------|---|
| 08:28:40 | 09:57:02 | 2019.1.00558.S | Horsehea_a_07_TP | Photo-erosion of molecular clouds: The Horsehead | Guzman | CL | Total Power | 7 |
| 08:49:32 | 09:28:17 | 2019.1.01634.L | UVISTA-J_a_07_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 | 7 |
| 09:30:13 | 10:09:01 | 2019.1.01634.L | UVISTA-J_c_07_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 | 7 |
| 09:58:06 | 11:14:35 | 2019.1.00763.L | NGC_4580_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 10:11:45 | 11:17:38 | 2019.1.00233.S | PKS1138-_a_07_TM2 | Pinpointing dust-enshrouded star-forming regions within young protocluster galaxies at z=2.16 | Koyama | EA | 12-m | 7 |
| 12:00:39 | 12:58:12 | 2019.A.00008.S | Borisov_a_08_TM1 | First D/H ratio for an interstellar comet: A window into the chemical complexity of protoplanetary system | Jensen | EU | 12-m | 8 |
| 12:02:15 | 13:38:02 | 2019.1.01635.S | NGC4321_a_08_7M | Comprehensive study of the physical conditions of the molecular gas in the inner 5-7 kpc of two star-forming galaxies | Liu | EU | 7-m | 8 |
| 12:03:02 | 13:19:33 | 2019.1.00763.L | NGC_4580_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 13:07:51 | 14:05:11 | 2019.A.00008.S | Borisov_a_08_TM1 | First D/H ratio for an interstellar comet: A window into the chemical complexity of protoplanetary system | Jensen | EU | 12-m | 8 |
| 13:56:14 | 15:30:36 | 2019.1.00195.L | 702472_a_06_7M | ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy | Molinari | EA EU NA | 7-m | 6 |
| 14:21:30 | 15:44:21 | 2019.1.01778.S | A1689-zD_a_07_TM1 | The first measurement of metallicity and ISM conditions of a normal galaxy at reionisation | Watson | EU | 12-m | 7 |
| 15:47:00 | 16:59:50 | 2019.1.01357.S | IM_Lup_a_07_TM2 | Constraining the H2 Surface Density Profile in IM Lup | Teague | NA | 12-m | 7 |
| 16:48:50 | 18:18:00 | 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 |
| 17:07:56 | 18:06:56 | 2019.1.00195.L | 108933_a_06_TM2 | ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy | Molinari | EA EU NA | 12-m | 6 |
| 18:18:07 | 19:38:10 | 2019.1.00994.S | M17SW_a_06_7M | Why is there a 400 K cloud of C3H+ in M17SW? | Lipnický | NA | 7-m | 6 |
| 18:36:34 | 18:53:11 | 2019.1.01728.S | Gaia_17b_b_06_TM2 | Gaia 17bpi: the circumstellar environment of a new FU Ori-type object | Cruz-Saenz de Miera | OTHER | 12-m | 6 |
| 18:54:13 | 19:41:57 | 2019.1.01517.S | HD_18291_a_06_TM1 | Gas around MS stars: A common exocometary origin for hot and cold gas | Rebollido | EU | 12-m | 6 |
| 19:54:28 | 21:21:32 | 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 |
| 20:10:57 | 21:21:00 | 2019.1.01556.S | SDC13_a_03_TM2 | On the universality of fibres in star forming filaments | Williams | EU | 12-m | 3 |
| 21:30:54 | 22:25:29 | 2019.1.01450.S | FRB18111_a_06_TM1 | The molecular gas content of the host galaxies of Fast Radio Bursts | Tejos | CL | 12-m | 6 |
| 22:21:17 | 23:41:16 | 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 |
| 22:26:30 | 23:20:42 | 2019.1.01450.S | FRB18111_a_06_TM1 | The molecular gas content of the host galaxies of Fast Radio Bursts | Tejos | CL | 12-m | 6 |
| 23:26:04 | 23:51:42 | 2019.1.01450.S | FRB18092_a_06_TM1 | The molecular gas content of the host galaxies of Fast Radio Bursts | Tejos | CL | 12-m | 6 |
| 23:44:59 | 01:15:11 | 2019.1.01251.S | Q0107+03_a_04_7M | SUPERCOLD-CGM: a high-z survey of molecular gas across the circumgalactic medium of Enormous Lya Nebulae | Emonts | NA | 7-m | 4 |
| 23:52:53 | 00:56:13 | 2018.1.00035.L | RXCJ0032_b_06_TM1 | ALMA Lensing Cluster Survey | Kohno | CL EA EU NA | 12-m | 6 |
| 23:57:52 | 01:06:23 | 2018.A.00062.S | NGC_1313_a_06_TP | Physics at High Angular Resolution in Nearby Galaxies: The Local Galaxy Inventory Continued | Faesi | EU | Total Power | 6 |

2019-11-27

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|----------------|-------------------|-------------------------------|---------|-------------|-------|------|
| 00:57:26 | 01:52:45 | 2019.1.01634.L | XMM1-Z-2_a_06_TM1 | REBELS: An ALMA Large Program | Bouwens | CL EA EU NA | 12-m | 6 |

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|----------|----------|----------------|-------------------|--|--------------|-------------|-------------|---|
| 02:08:41 | 03:10:39 | 2018.A.00058.S | M_33_t_06_7M | to Discover the Most Luminous [CII]+[OIII] Galaxies in the Reionization Epoch ACA CO(2-1) mapping toward the nearest spiral galaxy M 33 | Muraoka | EA | 7-m | 6 |
| 02:18:42 | 03:17:44 | 2019.1.01634.L | XMM1-159_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 |
| 03:11:22 | 04:02:16 | 2019.1.00363.S | NGC1497_a_06_7M | WISDOM: Constraining the scatter in the M-sigma relation at fixed velocity dispersion | Davis | EU | 7-m | 6 |
| 03:23:59 | 04:27:34 | 2019.1.01813.S | M12_176_a_06_TM1 | SODA: a flux-limited Survey of Orion's Disks with ALMA | van Terwisga | EU | 12-m | 6 |
| 04:02:23 | 05:19:31 | 2019.1.00843.S | 30_Dorad_c_06_7M | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | 7-m | 6 |
| 04:28:37 | 05:32:00 | 2019.1.01813.S | M12_176_a_06_TM1 | SODA: a flux-limited Survey of Orion's Disks with ALMA | van Terwisga | EU | 12-m | 6 |
| 04:52:29 | 06:03:07 | 2019.1.00843.S | 30_Dorad_d_06_TP | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | Total Power | 6 |
| 05:21:03 | 06:39:55 | 2018.A.00061.S | North_Mo_b_06_7M | ACA Mapping of the Star-Forming Northern Tip of the Large Magellanic Cloud Molecular Ridge | Bolatto | NA | 7-m | 6 |
| 05:33:08 | 06:14:04 | 2019.1.00843.S | 30_Dorad_e_06_TM1 | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | 12-m | 6 |
| 06:03:55 | 07:14:45 | 2019.1.00843.S | 30_Dorad_d_06_TP | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | Total Power | 6 |
| 06:15:10 | 07:21:28 | 2019.1.01813.S | M12_363_a_06_TM1 | SODA: a flux-limited Survey of Orion's Disks with ALMA | van Terwisga | EU | 12-m | 6 |
| 06:40:31 | 07:51:45 | 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 |
| 07:15:39 | 08:26:04 | 2019.1.00843.S | 30_Dorad_d_06_TP | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | Total Power | 6 |
| 07:21:56 | 08:27:50 | 2019.1.01813.S | M12_363_a_06_TM1 | SODA: a flux-limited Survey of Orion's Disks with ALMA | van Terwisga | EU | 12-m | 6 |
| 07:57:20 | 09:50:42 | 2019.1.00558.S | Horsehea_a_07_7M | Photo-erosion of molecular clouds: The Horsehead | Guzman | CL | 7-m | 7 |
| 08:26:11 | 09:35:22 | 2019.1.00843.S | 30_Dorad_d_06_TP | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | Total Power | 6 |
| 08:45:09 | 10:06:04 | 2019.A.00008.S | Borisov_a_05_TM1 | First D/H ratio for an interstellar comet: A window into the chemical complexity of protoplanetary system | Jensen | EU | 12-m | 5 |
| 09:36:07 | 10:46:20 | 2019.1.00763.L | NGC_4380_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 09:51:17 | 11:26:54 | 2019.1.01635.S | NGC4321_a_08_7M | Comprehensive study of the physical conditions of the molecular gas in the inner 5-7 kpc of two star-forming galaxies | Liu | EU | 7-m | 8 |
| 10:06:11 | 11:23:54 | 2019.A.00008.S | Borisov_a_05_TM1 | First D/H ratio for an interstellar comet: A window into the chemical complexity of protoplanetary system | Jensen | EU | 12-m | 5 |
| 10:54:16 | 12:04:13 | 2019.1.00763.L | NGC_4380_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 11:32:45 | 12:27:16 | 2019.A.00008.S | Borisov_a_05_TM1 | First D/H ratio for an interstellar comet: A window into the chemical complexity of protoplanetary system | Jensen | EU | 12-m | 5 |
| 11:41:11 | 13:15:16 | 2019.1.00195.L | 702472_a_06_7M | ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy | Molinari | EA EU NA | 7-m | 6 |
| 12:05:33 | 13:15:44 | 2019.1.00763.L | NGC_4380_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 13:02:43 | 13:30:16 | 2019.1.01718.S | NGC5248_a_07_TM2 | PHANGS-CMZs: Uncovering the Lifecycle of Galactic Nuclei by Mapping Extragalactic 'Central Molecular Zones' | Chevance | EU | 12-m | 7 |
| 13:15:23 | 14:38:08 | 2019.1.00763.L | NGC_4772_a_06_7M | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | 7-m | 6 |
| 13:31:45 | 13:52:11 | 2019.1.00320.S | PSR_B125_a_07_TM1 | Emission mechanism of the gamma-ray binary PSR B1259- | Fujita | EA | 12-m | 7 |

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|-------------------|----------|----------------|-------------------|--|--------------|-------------|-------------|------|
| 13:37:21 | 14:51:30 | 2019.1.00763.L | NGC_4380_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 13:53:27 | 15:08:47 | 2019.1.01357.S | IM_Lup_a_07_TM2 | Constraining the H2 Surface Density Profile in IM Lup | Teague | NA | 12-m | 7 |
| 14:49:18 | 16:05:18 | 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 |
| 14:52:17 | 16:10:13 | 2019.1.00763.L | NGC_4808_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 15:08:58 | 16:23:51 | 2019.1.01792.S | Oph_01_a_06_TM1 | Low Mass Protostellar Outflows: An Efficient Legacy Survey | Mardones | CL | 12-m | 6 |
| 19:26:05 | 20:20:15 | 2019.1.01102.S | ASA26.1_e_03_TM1 | Identifying a SMG in the EoR | Umehata | EA | 12-m | 3 |
| 19:27:12 | 20:47:24 | 2019.1.00994.S | M17SW_a_06_7M | Why is there a 400 K cloud of C3H+ in M17SW? | Lipnickiy | NA | 7-m | 6 |
| 20:58:31 | 21:24:26 | 2019.1.00036.S | NGC7052_a_06_TM2 | Probing the Over-massive Black Hole Populations in Compact, High-Dispersion Galaxies | Nguyen | EA | 12-m | 6 |
| 21:25:01 | 22:19:26 | 2019.1.01305.S | ngc7743_a_06_TM1 | The direct measurement of the bar pattern speed of galaxies | Tanaka | EA | 12-m | 6 |
| 22:04:29 | 23:24:27 | 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 |
| 22:33:10 | 23:27:27 | 2019.1.01305.S | ngc7743_a_06_TM1 | The direct measurement of the bar pattern speed of galaxies | Tanaka | EA | 12-m | 6 |
| 23:26:20 | 00:45:58 | 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 |
| 23:46:02 | 00:14:09 | 2019.1.01450.S | FRB18092_a_06_TM1 | The molecular gas content of the host galaxies of Fast Radio Bursts | Tejos | CL | 12-m | 6 |
| 2019-11-28 | | | | | | | | |
| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
| 00:29:04 | 01:04:31 | 2019.1.00840.S | SDSSJ013_a_07_TM1 | The Host Galaxies of the Radio-Loud Quasars at z>5 | Mazzucchelli | EU | 12-m | 7 |
| 00:46:31 | 01:45:45 | 2018.A.00058.S | M_33_t_06_7M | ACA CO(2-1) mapping toward the nearest spiral galaxy M 33 | Muraoka | EA | 7-m | 6 |
| 01:04:38 | 02:12:50 | 2019.1.01634.L | XMM-J-35_b_07_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 | 7 |
| 01:58:46 | 03:00:40 | 2018.A.00058.S | M_33_d_06_7M | ACA CO(2-1) mapping toward the nearest spiral galaxy M 33 | Muraoka | EA | 7-m | 6 |
| 02:25:52 | 03:35:23 | 2018.1.00575.S | SPT0311-_a_07_TM1 | The Formation of Massive Galaxies in the Reionization Era | Marrone | NA | 12-m | 7 |
| 04:04:38 | 06:04:41 | 2019.1.00847.S | 04016+26_a_07_7M | A Complete Survey of Protostellar Disk Gas and Dust Structure in Taurus | Sheehan | NA | 7-m | 7 |
| 04:05:30 | 04:49:39 | 2019.1.00700.S | SPT0529-_a_09_TM1 | Resolving water emission and dust temperature in the early universe | Vieira | NA | 12-m | 9 |
| 04:06:10 | 05:39:56 | 2019.1.00558.S | Horsehea_a_07_TP | Photo-erosion of molecular clouds: The Horsehead | Guzman | CL | Total Power | 7 |
| 04:56:14 | 05:23:16 | 2019.1.00847.S | 04489+30_a_07_TM2 | A Complete Survey of Protostellar Disk Gas and Dust Structure in Taurus | Sheehan | NA | 12-m | 7 |
| 05:23:22 | 06:41:16 | 2019.1.00558.S | Horsehea_a_07_TM1 | Photo-erosion of molecular clouds: The Horsehead | Guzman | CL | 12-m | 7 |
| 06:34:50 | 08:38:46 | 2018.1.00779.S | A1_a_10_7M | The molecular cloud structure in the low-metallicity environment of 30 Doradus | Chevance | EU | 7-m | 10 |
| 06:41:22 | 07:23:55 | 2019.1.01030.S | RN80_a_07_TM1 | Deep CO (3-2) and continuum survey of Rosette Nebula globulets | Haikala | CL | 12-m | 7 |
| 07:24:02 | 08:34:44 | 2019.1.01491.S | B14-6566_a_07_TM1 | Constraining the nitrogen abundance in a bright z=7 galaxy | Inoue | EA | 12-m | 7 |
| 08:34:50 | 09:43:08 | 2019.1.01491.S | B14-6566_a_07_TM1 | Constraining the nitrogen abundance in a bright z=7 galaxy | Inoue | EA | 12-m | 7 |
| 08:46:41 | 10:44:18 | 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 |
| 08:50:56 | 09:58:23 | 2019.1.00763.L | NGC_4216_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 09:43:14 | 10:24:29 | 2019.1.01634.L | UVISTA-J_d_07_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 | 7 |

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|----------|----------|----------------|-------------------|---|--------------|----------|-------------|---|
| 10:15:47 | 11:38:41 | 2019.1.00763.L | IC_3392_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 10:24:35 | 11:49:38 | 2019.1.01778.S | A1689-zD_a_07_TM1 | The first measurement of metallicity and ISM conditions of a normal galaxy at reionisation | Watson | EU | 12-m | 7 |
| 10:52:07 | 12:48:52 | 2019.1.01832.S | COS.0019_a_08_7M | On the Spectral Energy Distribution of Zavala Dusty, Star-Forming Galaxies: the nature of the dust temperature evolution. | | NA | 7-m | 8 |
| 11:57:22 | 13:20:15 | 2019.1.00763.L | IC_3392_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 12:06:51 | 12:54:04 | 2019.1.01175.S | hd_11005_a_08_TM1 | CI survey | Cataldi | NA | 12-m | 8 |
| 12:54:10 | 14:05:28 | 2019.1.01175.S | HD121191_a_08_TM1 | CI survey | Cataldi | NA | 12-m | 8 |
| 13:20:22 | 14:34:45 | 2019.1.00763.L | NGC_4532_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 13:36:51 | 14:35:24 | 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 |
| 14:19:55 | 15:24:26 | 2019.1.00403.S | HS1549-4_a_06_TM1 | Unveiling obscured activities within a z=2.84 protocluster core | Kikuta | EA | 12-m | 6 |
| 14:45:07 | 15:30:32 | 2019.A.00003.T | PKS_1413_c_07_7M | Gravitational millilensing as a tool for studying the microarcsec-scale structure in PKS1413+135 | Kiehlmann | OTHER | 7-m | 7 |
| 15:01:32 | 16:51:29 | 2019.1.01763.S | CO_000.0_a_07_TP | Resolving the Kinematics of the High-velocity Gas in CO 0.02-0.02 | Iwata | EA | Total Power | 7 |
| 15:45:54 | 16:48:16 | 2019.1.00403.S | HS1549-4_a_06_TM1 | Unveiling obscured activities within a z=2.84 protocluster core | Kikuta | EA | 12-m | 6 |
| 17:00:05 | 17:22:56 | 2019.1.01792.S | OphN_01_a_06_TM1 | Low Mass Protostellar Outflows: An Efficient Legacy Survey | Mardones | CL | 12-m | 6 |
| 17:23:04 | 18:16:35 | 2019.1.01719.S | ad3a-241_a_03_TM1 | Bulge Asymmetries and Dynamical Evolution (BAaDE) IV | Sjouwerman | NA | 12-m | 3 |
| 18:44:31 | 19:31:52 | 2019.1.01517.S | HD_18291_a_06_TM1 | Gas around MS stars: A common exocometary origin for hot and cold gas | Rebollido | EU | 12-m | 6 |
| 19:29:19 | 21:20:26 | 2019.1.00994.S | M17SW_a_07_7M | Why is there a 400 K cloud of C3H+ in M17SW? | Lipnickiy | NA | 7-m | 7 |
| 19:31:59 | 19:57:44 | 2019.1.00263.S | DR21_a_06_TM2 | Explosive Outflows from Compact Groups of Forming Massive Protostars | Bally | NA | 12-m | 6 |
| 19:58:41 | 20:37:24 | 2019.1.00263.S | G34.26+0_a_06_TM2 | Explosive Outflows from Compact Groups of Forming Massive Protostars | Bally | NA | 12-m | 6 |
| 20:53:44 | 21:31:52 | 2019.1.01517.S | HD_18332_a_06_TM1 | Gas around MS stars: A common exocometary origin for hot and cold gas | Rebollido | EU | 12-m | 6 |
| 21:20:36 | 22:45:25 | 2019.1.00994.S | M17SW_a_06_7M | Why is there a 400 K cloud of C3H+ in M17SW? | Lipnickiy | NA | 7-m | 6 |
| 21:31:58 | 22:06:58 | 2019.1.00840.S | PSO352-1_a_07_TM1 | The Host Galaxies of the Radio-Loud Quasars at z>5 | Mazzucchelli | EU | 12-m | 7 |
| 22:23:45 | 23:17:50 | 2019.1.01305.S | ngc7743_a_06_TM1 | The direct measurement of the bar pattern speed of galaxies | Tanaka | EA | 12-m | 6 |
| 22:53:06 | 00:13:06 | 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 |
| 23:49:51 | 00:37:05 | 2019.1.01517.S | HD_5267_a_06_TM1 | Gas around MS stars: A common exocometary origin for hot and cold gas | Rebollido | EU | 12-m | 6 |

2019-11-29

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|----------------|-------------------|---|----------|-------------|-------|------|
| 00:13:14 | 01:14:54 | 2018.A.00058.S | M_33_d_06_7M | ACA CO(2-1) mapping toward the nearest spiral galaxy M 33 | Muraoka | EA | 7-m | 6 |
| 00:37:11 | 01:46:55 | 2019.1.01634.L | XMM1-Z-2_c_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 |
| 01:27:49 | 02:29:31 | 2018.A.00058.S | M_33_d_06_7M | ACA CO(2-1) mapping toward the nearest spiral galaxy M 33 | Muraoka | EA | 7-m | 6 |
| 02:09:36 | 02:46:34 | 2019.1.01634.L | XMM-J-67_f_07_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 | 7 |
| 02:29:39 | 03:47:10 | 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 |
| 02:48:18 | 03:17:22 | 2019.1.01634.L | XMM-J-67_e_07_TM1 | REBELS: An ALMA Large Program to Discover the Most Luminous [CII]+[OIII] Galaxies in the | Bouwens | CL EA EU NA | 12-m | 7 |

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|----------|----------|----------------|-------------------|---|----------|-------------|-------------|---|
| 03:19:41 | 05:17:31 | 2019.1.00086.S | HOPS-12E_a_07_TM1 | Reionization Epoch BOPS: B-field Orion Protostellar Survey | Stephens | NA | 12-m | 7 |
| 03:49:04 | 05:03:18 | 2019.1.00843.S | 30_Dorad_d_06_TP | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | Total Power | 6 |
| 03:49:29 | 05:49:36 | 2019.1.00847.S | 04016+26_a_07_7M | A Complete Survey of Protostellar Disk Gas and Dust Structure in Taurus | Sheehan | NA | 7-m | 7 |
| 05:04:24 | 06:19:16 | 2019.1.00843.S | 30_Dorad_d_06_TP | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | Total Power | 6 |
| 05:17:38 | 06:55:50 | 2019.1.00086.S | HOPS-12E_a_07_TM1 | BOPS: B-field Orion Protostellar Survey | Stephens | NA | 12-m | 7 |
| 06:19:29 | 07:34:37 | 2019.1.00843.S | 30_Dorad_d_06_TP | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | Total Power | 6 |
| 06:25:40 | 08:13:41 | 2019.1.00558.S | Horsehea_a_07_7M | Photo-erosion of molecular clouds: The Horsehead | Guzman | CL | 7-m | 7 |
| 06:59:11 | 08:44:30 | 2019.1.00086.S | HOPS-12E_a_07_TM1 | BOPS: B-field Orion Protostellar Survey | Stephens | NA | 12-m | 7 |
| 07:34:44 | 08:48:57 | 2019.1.00843.S | 30_Dorad_d_06_TP | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | Total Power | 6 |
| 08:17:12 | 10:16:00 | 2019.1.01832.S | COS.0019_a_08_7M | On the Spectral Energy Distribution of Zavalala Dusty, Star-Forming Galaxies: the nature of the dust temperature evolution. | | NA | 7-m | 8 |
| 08:44:36 | 09:47:00 | 2019.1.01634.L | UVISTA-J_f_07_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 | 7 |
| 08:49:04 | 10:01:39 | 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 |
| 09:47:13 | 10:31:03 | 2019.1.01634.L | UVISTA-J_e_07_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 | 7 |
| 10:01:46 | 11:20:29 | 2019.1.00763.L | NGC_4532_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 10:16:07 | 11:38:07 | 2019.1.00763.L | NGC_4330_a_06_7M | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | 7-m | 6 |
| 10:32:54 | 11:55:59 | 2019.1.01778.S | A1689-zD_a_07_TM1 | The first measurement of metallicity and ISM conditions of a normal galaxy at reionisation | Watson | EU | 12-m | 7 |

2019-11-30

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|----------------|------------------|---|----------|-----------|-------------|------|
| 03:31:05 | 04:43:17 | 2019.1.00063.S | T_Tau_a_07_7M | The kilo-au environments of T Tauri stars | Williams | NA | 7-m | 7 |
| 03:36:05 | 04:49:14 | 2019.1.00843.S | 30_Dorad_d_06_TP | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | Total Power | 6 |
| 04:43:23 | 06:36:22 | 2019.1.00558.S | Horsehea_a_07_7M | Photo-erosion of molecular clouds: The Horsehead | Guzman | CL | 7-m | 7 |
| 04:49:20 | 06:23:32 | 2019.1.00558.S | Horsehea_a_07_TP | Photo-erosion of molecular clouds: The Horsehead | Guzman | CL | Total Power | 7 |
| 06:23:40 | 07:55:44 | 2019.1.00558.S | Horsehea_a_07_TP | Photo-erosion of molecular clouds: The Horsehead | Guzman | CL | Total Power | 7 |
| 06:38:39 | 08:26:21 | 2019.1.00558.S | Horsehea_a_07_7M | Photo-erosion of molecular clouds: The Horsehead | Guzman | CL | 7-m | 7 |
| 07:55:51 | 09:09:47 | 2019.1.00843.S | 30_Dorad_d_06_TP | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | Total Power | 6 |
| 08:41:49 | 10:39:09 | 2019.1.01832.S | COS.0019_a_08_7M | On the Spectral Energy Distribution of Zavalala Dusty, Star-Forming Galaxies: the nature of the dust temperature evolution. | | NA | 7-m | 8 |
| 09:11:33 | 10:29:51 | 2019.1.00763.L | NGC_4532_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 10:46:31 | 12:43:20 | 2019.1.01832.S | COS.0019_a_08_7M | On the Spectral Energy Distribution of Zavalala Dusty, Star-Forming Galaxies: the nature of the dust temperature evolution. | | NA | 7-m | 8 |
| 10:52:16 | 12:10:11 | 2019.1.00763.L | NGC_4532_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |

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|----------|----------|----------------|-------------------|---|-----------|-------------|-------------|---|
| 13:09:53 | 14:32:12 | 2019.1.00763.L | NGC_4713_a_06_7M | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | 7-m | 6 |
| 13:20:33 | 14:37:10 | 2019.1.00763.L | NGC_4651_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 14:37:40 | 15:54:55 | 2019.1.00763.L | NGC_4713_a_06_7M | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | 7-m | 6 |
| 14:44:55 | 16:01:44 | 2019.1.00763.L | NGC_4651_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 16:09:58 | 17:56:32 | 2019.1.00994.S | M17SW_a_07_7M | Why is there a 400 K cloud of C3H+ in Lipnicky M17SW? | | NA | 7-m | 7 |
| 16:10:17 | 17:49:43 | 2019.1.00639.S | G034.77-_a_07_TP | The Infrared Dark Cloud G034.77-00.55 and the first fully resolved interstellar magnetised shock | Cosentino | EU | Total Power | 7 |
| 18:09:40 | 19:56:06 | 2019.1.00994.S | M17SW_a_07_7M | Why is there a 400 K cloud of C3H+ in Lipnicky M17SW? | | NA | 7-m | 7 |
| 18:15:43 | 19:36:08 | 2019.1.00263.S | G34.26+0_a_06_TP | Explosive Outflows from Compact Groups of Forming Massive Protostars | Bally | NA | Total Power | 6 |
| 20:02:14 | 21:27:39 | 2019.1.00994.S | M17SW_a_06_7M | Why is there a 400 K cloud of C3H+ in Lipnicky M17SW? | | NA | 7-m | 6 |
| 20:05:24 | 20:48:57 | 2019.1.01450.S | FRB19010_a_06_TM1 | The molecular gas content of the host Tejos galaxies of Fast Radio Bursts | | CL | 12-m | 6 |
| 21:11:15 | 21:55:04 | 2019.1.01450.S | FRB19010_a_06_TM1 | The molecular gas content of the host Tejos galaxies of Fast Radio Bursts | | CL | 12-m | 6 |
| 22:10:13 | 23:29:52 | 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 |
| 22:15:44 | 23:04:45 | 2019.1.01721.S | J2310+18_a_06_TM1 | Characterizing Absorption-Selected galaxies at High-z (CASH) Survey | Rafelski | NA | 12-m | 6 |
| 23:05:02 | 23:55:21 | 2019.1.01721.S | J2310+18_a_06_TM1 | Characterizing Absorption-Selected galaxies at High-z (CASH) Survey | Rafelski | NA | 12-m | 6 |
| 23:30:36 | 00:50:15 | 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 |
| 23:55:28 | 00:50:36 | 2019.1.01634.L | XMM1-Z-1_d_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 |

2019-12-01

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|----------------|-------------------|---|-----------|-------------|-------------|------|
| 00:51:16 | 01:50:36 | 2018.A.00058.S | M_33_d_06_7M | ACA CO(2-1) mapping toward the nearest spiral galaxy M 33 | Muraoka | EA | 7-m | 6 |
| 01:01:55 | 01:59:25 | 2019.1.01634.L | XMM1-Z-1_c_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 |
| 01:52:11 | 02:53:45 | 2018.A.00058.S | M_33_a_06_7M | ACA CO(2-1) mapping toward the nearest spiral galaxy M 33 | Muraoka | EA | 7-m | 6 |
| 02:32:13 | 03:44:29 | 2019.1.00843.S | 30_Dorad_d_06_TP | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | Total Power | 6 |
| 02:53:52 | 04:03:27 | 2019.1.01063.S | L1489_IR_a_06_7M | The Kinematical Transition between the Envelope and Core around Young Embedded Protostars | Sai | EA | 7-m | 6 |
| 03:06:12 | 04:01:53 | 2019.1.01166.T | TDE2_c_06_TM1 | Revealing the Diversity of Jets and Outflows in Tidal Disruption Events with ALMA | Alexander | NA | 12-m | 6 |
| 03:44:36 | 04:02:47 | 2019.1.00843.S | 30_Dorad_c_06_TP | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | Total Power | 6 |
| 04:17:46 | 05:31:56 | 2019.1.00843.S | 30_Dorad_c_06_TP | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | Total Power | 6 |
| 04:18:07 | 04:40:40 | 2019.1.01437.S | GM_Aur_a_06_TM1 | An ALMA-TESS study of UV heating in protoplanetary disks | Espaillet | NA | 12-m | 6 |
| 04:27:05 | 05:39:53 | 2019.1.01063.S | L1489_IR_a_06_7M | The Kinematical Transition between the Envelope and Core around Young Embedded Protostars | Sai | EA | 7-m | 6 |
| 04:40:48 | 05:47:30 | 2019.1.00843.S | 30_Dorad_c_06_TM1 | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | 12-m | 6 |
| 05:32:02 | 06:46:55 | 2019.1.00843.S | 30_Dorad_c_06_TP | The effects of feedback on molecular gas: Survey of CO in 30 Doradus | Wong | NA | Total Power | 6 |

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|----------|----------|----------------|-------------------|---|------------|-------------|-------------|---|
| 05:40:00 | 06:54:37 | 2019.1.00722.S | ESO_548-_a_03_7M | Deep CO(J=1-0) mapping survey of 103 Eridanus supergroup galaxies with Morita array | Morokuma | EA | 7-m | 3 |
| 05:47:43 | 06:53:51 | 2019.1.01813.S | M12_576_a_06_TM1 | SODA: a flux-limited Survey of Orion'svan Terwisga Disks with ALMA | | EU | 12-m | 6 |
| 06:54:06 | 08:00:02 | 2019.1.01813.S | M12_576_a_06_TM1 | SODA: a flux-limited Survey of Orion'svan Terwisga Disks with ALMA | | EU | 12-m | 6 |
| 08:00:09 | 09:09:23 | 2019.1.01634.L | UVISTA-Y_h_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 |
| 09:09:30 | 10:06:04 | 2019.1.01634.L | UVISTA-Z_g_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 |
| 10:06:11 | 11:02:36 | 2019.1.01634.L | UVISTA-Z_f_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 |
| 10:20:45 | 11:36:56 | 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 |
| 11:16:41 | 12:12:02 | 2019.1.01251.S | Q1230+33_a_04_TM1 | SUPERCOLD-CGM: a high-z survey of molecular gas across the circumgalactic medium of Enormous Lya Nebulae | Emonts | NA | 12-m | 4 |
| 11:46:57 | 12:29:48 | 2019.1.01251.S | Q1228+31_a_04_7M | SUPERCOLD-CGM: a high-z survey of molecular gas across the circumgalactic medium of Enormous Lya Nebulae | Emonts | NA | 7-m | 4 |
| 12:12:47 | 12:28:02 | 2019.1.01742.S | NGC_5037_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 |
| 12:28:09 | 13:08:08 | 2019.1.01517.S | HD_11041_a_06_TM1 | Gas around MS stars: A common exocometary origin for hot and cold gas | Rebollido | EU | 12-m | 6 |
| 12:40:48 | 14:10:53 | 2019.1.01251.S | Q1416+26_a_04_7M | SUPERCOLD-CGM: a high-z survey of molecular gas across the circumgalactic medium of Enormous Lya Nebulae | Emonts | NA | 7-m | 4 |
| 13:10:19 | 14:33:24 | 2019.1.01719.S | ad3a-201_a_03_TM1 | Bulge Asymmetries and Dynamical Evolution (BAaDE) IV | Sjouwerman | NA | 12-m | 3 |
| 14:28:10 | 15:54:45 | 2019.1.01251.S | Q1416+26_a_04_7M | SUPERCOLD-CGM: a high-z survey of molecular gas across the circumgalactic medium of Enormous Lya Nebulae | Emonts | NA | 7-m | 4 |
| 14:43:29 | 16:12:21 | 2019.1.01719.S | ad3a-217_a_03_TM1 | Bulge Asymmetries and Dynamical Evolution (BAaDE) IV | Sjouwerman | NA | 12-m | 3 |
| 15:08:06 | 16:28:27 | 2019.1.01556.S | SDC13_a_03_TP | On the universality of fibres in star forming filaments | Williams | EU | Total Power | 3 |
| 15:55:09 | 17:22:16 | 2019.1.00195.L | 777339_a_06_7M | ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy | Molinari | EA EU NA | 7-m | 6 |
| 16:28:33 | 17:51:53 | 2019.1.01326.S | Position_n_03_TP | Localized Feedback Processes in the Galactic CMZ | Candelaria | NA | Total Power | 3 |
| 16:42:10 | 17:50:48 | 2019.1.01719.S | ad3a-239_a_03_TM1 | Bulge Asymmetries and Dynamical Evolution (BAaDE) IV | Sjouwerman | NA | 12-m | 3 |
| 17:29:46 | 18:55:34 | 2019.1.01556.S | SDC13_a_03_7M | On the universality of fibres in star forming filaments | Williams | EU | 7-m | 3 |
| 17:51:38 | 19:02:50 | 2019.1.01556.S | SDC13_a_03_TM2 | On the universality of fibres in star forming filaments | Williams | EU | 12-m | 3 |
| 18:09:32 | 19:34:58 | 2019.1.01556.S | SDC13_a_03_TP | On the universality of fibres in star forming filaments | Williams | EU | Total Power | 3 |
| 18:56:23 | 19:25:06 | 2019.1.01326.S | Position_p_03_7M | Localized Feedback Processes in the Galactic CMZ | Candelaria | NA | 7-m | 3 |
| 19:25:31 | 20:34:55 | 2019.1.01556.S | SDC13_a_03_TM2 | On the universality of fibres in star forming filaments | Williams | EU | 12-m | 3 |
| 19:40:09 | 21:00:06 | 2019.1.01556.S | SDC13_a_03_TP | On the universality of fibres in star forming filaments | Williams | EU | Total Power | 3 |
| 20:19:55 | 21:50:09 | 2019.1.01556.S | SDC13_a_03_7M | On the universality of fibres in star forming filaments | Williams | EU | 7-m | 3 |
| 20:55:31 | 21:55:16 | 2019.1.01102.S | ASA26.1_a_03_TM1 | Identifying a SMG in the EoR | Umehata | EA | 12-m | 3 |
| 21:56:08 | 22:17:08 | 2019.1.01529.S | ES1-3_a_04_TM1 | The Third Leg of Galaxy Stellar Mass Assembly: A Census of CO in high-redshift cluster centrals | Webb | NA | 12-m | 4 |
| 22:21:04 | 22:40:45 | 2019.1.01529.S | ES1-4_a_04_TM1 | The Third Leg of Galaxy Stellar Mass Assembly: A Census of CO in high-redshift cluster centrals | Webb | NA | 12-m | 4 |

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|----------|----------|----------------|------------------|---|----------|----|------|---|
| 22:37:09 | 23:56:54 | 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 |
| 22:47:10 | 23:06:56 | 2019.1.01529.S | ES1-10_a_04_TM1 | The Third Leg of Galaxy Stellar Mass Assembly: A Census of CO in high-redshift cluster centrals | Webb | NA | 12-m | 4 |
| 23:15:23 | 23:37:29 | 2019.1.01529.S | XMM-5_a_04_TM1 | The Third Leg of Galaxy Stellar Mass Assembly: A Census of CO in high-redshift cluster centrals | Webb | NA | 12-m | 4 |
| 23:37:36 | 23:59:47 | 2019.1.01529.S | XMM-4_a_04_TM1 | The Third Leg of Galaxy Stellar Mass Assembly: A Census of CO in high-redshift cluster centrals | Webb | NA | 12-m | 4 |
| 23:57:22 | 01:16:58 | 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 |
| 23:59:54 | 00:50:35 | 2019.1.01529.S | XMM-7_a_03_TM1 | The Third Leg of Galaxy Stellar Mass Assembly: A Census of CO in high-redshift cluster centrals | Webb | NA | 12-m | 3 |

2019-12-02

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|----------------|-------------------|--|--------------|-------------|-------------|------|
| 01:19:06 | 02:54:47 | 2019.1.00722.S | 2MASX_J0_a_03_7M | Deep CO(J=1-0) mapping survey of 103 Eridanus supergroup galaxies with Morita array | Morokuma | EA | 7-m | 3 |
| 02:39:34 | 02:59:58 | 2019.1.01529.S | CDFS-3_a_04_TM1 | The Third Leg of Galaxy Stellar Mass Assembly: A Census of CO in high-redshift cluster centrals | Webb | NA | 12-m | 4 |
| 03:01:52 | 03:56:23 | 2019.1.01132.S | NGC1482_a_03_TM2 | Molecular gas in the starburst-driven superwind of NGC 1482 | Salak | EA | 12-m | 3 |
| 03:03:30 | 04:02:49 | 2019.1.01132.S | NGC1482_a_03_7M | Molecular gas in the starburst-driven superwind of NGC 1482 | Salak | EA | 7-m | 3 |
| 04:09:55 | 04:32:32 | 2019.1.01437.S | GM_Aur_b_06_TM1 | An ALMA-TESS study of UV heating in protoplanetary disks | Espaillet | NA | 12-m | 6 |
| 04:15:06 | 05:25:20 | 2019.1.00722.S | ESO_548-a_03_7M | Deep CO(J=1-0) mapping survey of 103 Eridanus supergroup galaxies with Morita array | Morokuma | EA | 7-m | 3 |
| 04:32:45 | 05:37:14 | 2019.1.01813.S | M12_576_a_06_TM1 | SODA: a flux-limited Survey of Orion'svan Disks with ALMA | Terwisga | EU | 12-m | 6 |
| 05:40:02 | 06:54:15 | 2019.1.00722.S | ESO_548-a_03_7M | Deep CO(J=1-0) mapping survey of 103 Eridanus supergroup galaxies with Morita array | Morokuma | EA | 7-m | 3 |
| 06:01:18 | 07:00:59 | 2019.1.01813.S | M12_1000_a_06_TM1 | SODA: a flux-limited Survey of Orion'svan Disks with ALMA | Terwisga | EU | 12-m | 6 |
| 07:02:09 | 08:01:06 | 2019.1.01813.S | M12_1000_a_06_TM1 | SODA: a flux-limited Survey of Orion'svan Disks with ALMA | Terwisga | EU | 12-m | 6 |
| 07:56:56 | 09:54:18 | 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 |
| 08:01:13 | 08:36:41 | 2019.1.00840.S | PSO135+1_a_07_TM1 | The Host Galaxies of the Radio-Loud Quasars at z>5 | Mazzucchelli | EU | 12-m | 7 |
| 08:35:31 | 09:43:50 | 2018.A.00062.S | NGC_4945_b_06_TP | Physics at High Angular Resolution in Nearby Galaxies: The Local Galaxy Inventory Continued | Faesi | EU | Total Power | 6 |
| 08:40:23 | 09:30:48 | 2019.1.01634.L | UVISTA-J_b_07_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 | 7 |
| 09:30:55 | 10:40:44 | 2019.A.00002.S | Borisov_a_07_TM1 | A Unique View of 2I/Borisov: an ISO in Large Particles | Yang | EU | 12-m | 7 |
| 09:43:57 | 10:51:27 | 2019.1.00763.L | NGC_4302_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 09:54:27 | 11:51:55 | 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 |
| 10:40:52 | 11:31:08 | 2019.A.00002.S | Borisov_a_06_TM1 | A Unique View of 2I/Borisov: an ISO in Large Particles | Yang | EU | 12-m | 6 |
| 11:00:20 | 12:07:51 | 2019.1.00763.L | NGC_4302_a_06_TP | VERTICO: The Virgo Environment Traced in CO | Brown | EA EU NA | Total Power | 6 |
| 11:34:06 | 11:53:11 | 2019.1.00019.S | NGC4414_a_06_TM2 | Measuring Central Black Hole Masses in Low-mass Galaxies | Nguyen | EA | 12-m | 6 |