

ALMA Observing Activity from 2023-10-30T17:59:00 to 2023-11-06T18:00:00  
QA0 pass executions

2023-11-06

| Start (UT) | End (UT) | Project Code   | SchedBlock       | Project Title                                                                                               | PI               | Executive | Array       | Band |
|------------|----------|----------------|------------------|-------------------------------------------------------------------------------------------------------------|------------------|-----------|-------------|------|
| 15:48:13   | 17:13:08 | 2023.1.00698.S | NGC_5775_a_03_7M | ALMA-GECKOS: Completing the multiphase view of gas in edge-on galaxies for a MUSE large program             | Bolatto          | NA        | 7-m         | 3    |
| 15:42:59   | 17:27:40 | 2022.A.00032.S | ngc4038_a_03_TM1 | A 5-pc-scale study of molecular clouds in the Antennae                                                      | Saito            | EA        | 12-m        | 3    |
| 14:14:08   | 15:35:53 | 2023.1.00698.S | PGC04493_a_03_7M | ALMA-GECKOS: Completing the multiphase view of gas in edge-on galaxies for a MUSE large program             | Bolatto          | NA        | 7-m         | 3    |
| 14:10:13   | 15:15:37 | 2022.A.00032.S | ngc4038_a_03_TM1 | A 5-pc-scale study of molecular clouds in the Antennae                                                      | Saito            | EA        | 12-m        | 3    |
| 12:10:42   | 13:57:54 | 2022.A.00032.S | ngc4038_a_03_TM1 | A 5-pc-scale study of molecular clouds in the Antennae                                                      | Saito            | EA        | 12-m        | 3    |
| 11:28:59   | 12:50:09 | 2022.1.00360.S | NGC3627_a_03_7M  | ALMA-FACTS: FundAmental CO 1-0 Transition Survey of Nearby Galaxies                                         | Koda             | NA        | 7-m         | 3    |
| 09:02:30   | 09:51:33 | 2023.1.01558.S | WB89_789_a_03_7M | Measuring 12C/13C with C18O and 13C18O in the Galactic outer disk                                           | Tanaka           | EA        | 7-m         | 3    |
| 07:52:50   | 09:01:19 | 2023.1.01558.S | WB89_793_a_03_7M | Measuring 12C/13C with C18O and 13C18O in the Galactic outer disk                                           | Tanaka           | EA        | 7-m         | 3    |
| 07:41:09   | 09:15:11 | 2022.A.00036.S | HL_Tau_y_03_TM1  | Band 3 Survey of HL Tau as a WSU Test Dataset                                                               | Loomis           | NA        | 12-m        | 3    |
| 06:42:35   | 07:52:11 | 2023.1.00963.S | ID4_a_03_7M      | An ALMA-MUSE survey of z~3 quasars: deciphering their multiphase gas reservoirs and small-scale environment | Arrigoni Battaia | EU        | 7-m         | 3    |
| 05:34:30   | 07:08:46 | 2022.A.00036.S | HL_Tau_ab_03_TM1 | Band 3 Survey of HL Tau as a WSU Test Dataset                                                               | Loomis           | NA        | 12-m        | 3    |
| 05:32:12   | 06:41:52 | 2023.1.00963.S | ID4_a_03_7M      | An ALMA-MUSE survey of z~3 quasars: deciphering their multiphase gas reservoirs and small-scale environment | Arrigoni Battaia | EU        | 7-m         | 3    |
| 03:59:49   | 05:34:20 | 2022.A.00036.S | HL_Tau_w_03_TM1  | Band 3 Survey of HL Tau as a WSU Test Dataset                                                               | Loomis           | NA        | 12-m        | 3    |
| 03:50:38   | 05:14:03 | 2022.1.00276.S | M33_k_03_7M      | Resolving the Cloud-Cluster Ecosystem in M33                                                                | Rosolowsky       | NA        | 7-m         | 3    |
| 01:06:20   | 02:13:21 | 2023.1.01101.S | NGC7319_a_03_TP  | ACA CO(1-0) mapping of Stephan's Quintet                                                                    | Maeda            | EA        | Total Power | 3    |
| 00:45:59   | 01:35:12 | 2023.1.01464.S | A11_a_04_7M      | Identifying the Brightest Continuum Sources Accessible to ALMA with the ACA                                 | Rose             | NA        | 7-m         | 4    |
| 00:34:01   | 02:21:01 | 2022.A.00034.S | MUSE_3D_a_03_TM1 | B3 observation of a super-deep field in HDF-S                                                               | Dent             | EU        | 12-m        | 3    |

2023-11-05

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title                                                                                                        | PI       | Executive   | Array       | Band |
|------------|----------|----------------|-------------------|----------------------------------------------------------------------------------------------------------------------|----------|-------------|-------------|------|
| 23:59:18   | 01:06:12 | 2023.1.01101.S | NGC7319_a_03_TP   | ACA CO(1-0) mapping of Stephan's Quintet                                                                             | Maeda    | EA          | Total Power | 3    |
| 23:12:28   | 00:45:06 | 2023.1.01464.S | PKS_2225_a_05_7M  | Identifying the Brightest Continuum Sources Accessible to ALMA with the ACA                                          | Rose     | NA          | 7-m         | 5    |
| 22:52:03   | 23:58:33 | 2022.1.01204.S | C111_a_03_TP      | Forming hub-filament systems: An unbiased study of the gas kinematics of increasingly complex filamentary structures | Peretto  | EU          | Total Power | 3    |
| 22:38:06   | 00:24:34 | 2022.A.00034.S | MUSE_3D_a_03_TM1  | B3 observation of a super-deep field in HDF-S                                                                        | Dent     | EU          | 12-m        | 3    |
| 21:56:04   | 23:01:35 | 2023.1.00360.L | G08.710._a_03_7M  | UNveiling the Initial Conditions of high-mass star-formation (UNIC)                                                  | Redaelli | CL EA EU NA | 7-m         | 3    |
| 20:31:16   | 21:55:06 | 2023.1.00360.L | G08.710._a_03_7M  | UNveiling the Initial Conditions of high-mass star-formation (UNIC)                                                  | Redaelli | CL EA EU NA | 7-m         | 3    |
| 10:51:34   | 12:31:50 | 2023.1.01196.S | Mrk_739_a_06_TM1  | A complete ALMA study of AGN in Nearby Major Galaxy Mergers at <5kpc Nuclear Separations                             | Treister | CL          | 12-m        | 6    |
| 08:55:55   | 10:15:44 | 2023.1.01196.S | ESO253-0_a_06_TM1 | A complete ALMA study of AGN in Nearby Major Galaxy Mergers at <5kpc Nuclear Separations                             | Treister | CL          | 12-m        | 6    |

| 07:01:12   | 08:16:47 | 2023.1.01196.S | ESO253-0_a_06_TM1 | A complete ALMA study of AGN in Nearby Major Galaxy Mergers at <5kpc Nuclear Separations                         | Treister       | CL          | 12-m        | 6    |
|------------|----------|----------------|-------------------|------------------------------------------------------------------------------------------------------------------|----------------|-------------|-------------|------|
| 05:20:06   | 07:01:08 | 2023.1.01219.S | ngc1365_a_06_TM1  | Resolved molecular cloud properties in the nearby extreme starburst center of NGC1365                            | Schinnerer     | EU          | 12-m        | 6    |
| 03:13:34   | 04:59:45 | 2022.A.00034.S | MUSE_3D_a_03_TM1  | B3 observation of a super-deep field in HDF-S                                                                    | Dent           | EU          | 12-m        | 3    |
| 01:26:48   | 03:13:31 | 2022.A.00034.S | MUSE_3D_a_03_TM1  | B3 observation of a super-deep field in HDF-S                                                                    | Dent           | EU          | 12-m        | 3    |
| 00:16:20   | 01:48:56 | 2023.1.01464.S | PKS_2225_a_05_7M  | Identifying the Brightest Continuum Sources Accessible to ALMA with the ACA                                      | Rose           | NA          | 7-m         | 5    |
| 2023-11-04 |          |                |                   |                                                                                                                  |                |             |             |      |
| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title                                                                                                    | PI             | Executive   | Array       | Band |
| 23:32:54   | 01:19:45 | 2022.A.00034.S | MUSE_3D_a_03_TM1  | B3 observation of a super-deep field in HDF-S                                                                    | Dent           | EU          | 12-m        | 3    |
| 22:45:24   | 00:09:01 | 2023.1.00572.S | 2MASSJ19_a_06_7M  | Chasing streamers: Unveiling the connection between disk growth and infall channels in embedded protostars       | Valdivia Mena  | EU          | 7-m         | 6    |
| 21:32:10   | 22:35:56 | 2023.1.00360.L | G18.61-0_a_06_7M  | UNveiling the Initial Conditions of high-mass star-formation (UNIC)                                              | Redaelli       | CL EA EU NA | 7-m         | 6    |
| 15:07:56   | 16:05:01 | 2023.1.00360.L | G326.99-_b_06_TP  | UNveiling the Initial Conditions of high-mass star-formation (UNIC)                                              | Redaelli       | CL EA EU NA | Total Power | 6    |
| 13:36:48   | 14:44:15 | 2023.1.00026.S | NGC4064_a_06_TP   | Virgo High-resolution CO(2-1) Survey: Sun Dissecting Galaxy Quenching with Molecular Cloud Scale "Micro-physics" |                | NA          | Total Power | 6    |
| 11:49:58   | 12:47:38 | 2023.1.00140.S | BC5_a_06_7M       | Molecular gas content of novel isolated star forming clumps                                                      | Jones          | NA          | 7-m         | 6    |
| 11:30:30   | 12:42:26 | 2023.1.01276.S | 2MASSJ11_a_07_TM1 | Understanding disk substructures: relating the inner and outer parts of protoplanetary disks                     | Mauco          | EU          | 12-m        | 7    |
| 10:04:25   | 11:14:48 | 2023.1.00697.S | R_Leo_a_09_TM1    | Monitoring the extended atmospheres of active AGB stars                                                          | Bojnordi Arbab | EU          | 12-m        | 9    |
| 09:33:27   | 10:59:24 | 2023.1.00499.S | NGC3256_a_09_7M   | Studying CO SLEDs of local LIRGs at 100 pc resolution                                                            | Barcos-Munoz   | NA          | 7-m         | 9    |
| 08:26:02   | 09:08:15 | 2023.1.01643.S | OMC2_a_07_TP      | Estimating the cosmic-ray ionisation rate across OMC-2 and OMC-3                                                 | Socci          | EU          | Total Power | 7    |
| 08:12:00   | 09:07:22 | 2023.1.01441.S | SPT0402-_a_07_TM1 | Do they exist? - Pushing the limits for low-mass dark matter halos searches                                      | Amvrosiadis    | EU          | 12-m        | 7    |
| 07:37:47   | 08:02:11 | 2023.1.01643.S | OMC2_a_07_TP      | Estimating the cosmic-ray ionisation rate across OMC-2 and OMC-3                                                 | Socci          | EU          | Total Power | 7    |
| 07:24:28   | 08:46:45 | 2023.1.00225.S | L1521F_a_07_7M    | Tracing evolution of dense core nucleus in ortho-H2D+                                                            | Tokuda         | EA          | 7-m         | 7    |
| 05:59:51   | 07:37:42 | 2023.1.00225.S | L1521F_a_07_TP    | Tracing evolution of dense core nucleus in ortho-H2D+                                                            | Tokuda         | EA          | Total Power | 7    |
| 05:58:06   | 07:58:28 | 2023.1.01441.S | SPT0551-_a_07_TM1 | Do they exist? - Pushing the limits for low-mass dark matter halos searches                                      | Amvrosiadis    | EU          | 12-m        | 7    |
| 05:20:05   | 07:24:24 | 2023.1.00225.S | L1521F_a_07_7M    | Tracing evolution of dense core nucleus in ortho-H2D+                                                            | Tokuda         | EA          | 7-m         | 7    |
| 04:47:43   | 05:56:40 | 2023.1.00697.S | R_Dor_a_09_TM1    | Monitoring the extended atmospheres of active AGB stars                                                          | Bojnordi Arbab | EU          | 12-m        | 9    |
| 04:21:20   | 05:59:13 | 2023.1.00225.S | L1521F_a_07_TP    | Tracing evolution of dense core nucleus in ortho-H2D+                                                            | Tokuda         | EA          | Total Power | 7    |
| 03:27:43   | 04:16:50 | 2023.1.00536.S | LMCGMC_2_d_06_TP  | The ACA ORdinary Cloud Study of the Large Magellanic Cloud                                                       | Rosolowsky     | NA          | Total Power | 6    |
| 02:41:42   | 03:08:20 | 2023.1.01370.S | NGC1333_j_06_TP   | Filament formation and triggered star formation by cloud collision in NGC 1333                                   | Tachihara      | EA          | Total Power | 6    |
| 02:23:13   | 04:12:56 | 2023.1.00499.S | NGC7469_a_09_7M   | Studying CO SLEDs of local LIRGs at 100 pc resolution                                                            | Barcos-Munoz   | NA          | 7-m         | 9    |
| 01:47:35   | 02:40:37 | 2023.1.00536.S | LMCGMC_1_e_06_TP  | The ACA ORdinary Cloud Study of the Large Magellanic Cloud                                                       | Rosolowsky     | NA          | Total Power | 6    |
| 01:42:21   | 03:05:01 | 2023.1.01441.S | SPT0402-_a_07_TM1 | Do they exist? - Pushing the limits for low-mass dark matter halos searches                                      | Amvrosiadis    | EU          | 12-m        | 7    |
| 00:31:50   | 01:42:19 | 2023.1.01703.S | Saturn_a_07_7M    | Monitoring Giant Planet High-                                                                                    | Cosentino      | NA          | 7-m         | 7    |

| 00:29:49   | 01:33:30 | 2023.1.01101.S | NGC7319_a_03_TP   | Altitude Jet Streams<br>ACA CO(1-0) mapping of Stephan's Quintet                                           | Maeda          | EA          | Total Power | 3    |
|------------|----------|----------------|-------------------|------------------------------------------------------------------------------------------------------------|----------------|-------------|-------------|------|
| 2023-11-03 |          |                |                   |                                                                                                            |                |             |             |      |
| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title                                                                                              | PI             | Executive   | Array       | Band |
| 23:30:41   | 01:17:27 | 2022.A.00034.S | MUSE_3D_a_03_TM1  | B3 observation of a super-deep field in HDF-S                                                              | Dent           | EU          | 12-m        | 3    |
| 23:07:59   | 00:31:37 | 2023.1.00572.S | 2MASSJ19_a_06_7M  | Chasing streamers: Unveiling the connection between disk growth and infall channels in embedded protostars | Valdivia Mena  | EU          | 7-m         | 6    |
| 22:55:29   | 00:29:38 | 2019.1.00639.S | G034.77-_a_08_TP  | The Infrared Dark Cloud G034.77-00.55 and the first fully resolved interstellar magnetised shock           | Cosentino      | EU          | Total Power | 8    |
| 22:00:46   | 23:19:14 | 2023.1.01346.S | G010.623_a_06_TM1 | High-mass Photoionising Protostellar Object (HiPPO) survey                                                 | Tanaka         | EA          | 12-m        | 6    |
| 20:56:12   | 22:48:57 | 2023.1.00360.L | G08.710._a_07_TP  | UNveiling the Initial Conditions of high-mass star-formation (UNIC)                                        | Redaelli       | CL EA EU NA | Total Power | 7    |
| 20:52:20   | 21:38:37 | 2023.1.01346.S | G012.813_b_06_TM1 | High-mass Photoionising Protostellar Object (HiPPO) survey                                                 | Tanaka         | EA          | 12-m        | 6    |
| 19:30:16   | 20:17:33 | 2023.1.01346.S | G034.257_a_06_TM1 | High-mass Photoionising Protostellar Object (HiPPO) survey                                                 | Tanaka         | EA          | 12-m        | 6    |
| 18:55:51   | 20:48:16 | 2023.1.00360.L | G338.78+_a_07_TP  | UNveiling the Initial Conditions of high-mass star-formation (UNIC)                                        | Redaelli       | CL EA EU NA | Total Power | 7    |
| 17:39:05   | 18:54:27 | 2023.1.01346.S | G345.005_a_06_TM1 | High-mass Photoionising Protostellar Object (HiPPO) survey                                                 | Tanaka         | EA          | 12-m        | 6    |
| 16:47:55   | 18:51:42 | 2023.1.00360.L | G326.99-_a_07_7M  | UNveiling the Initial Conditions of high-mass star-formation (UNIC)                                        | Redaelli       | CL EA EU NA | 7-m         | 7    |
| 16:46:07   | 18:36:37 | 2023.1.00360.L | G326.99-_a_07_TP  | UNveiling the Initial Conditions of high-mass star-formation (UNIC)                                        | Redaelli       | CL EA EU NA | Total Power | 7    |
| 16:09:27   | 16:58:11 | 2023.1.01346.S | G345.488_b_06_TM1 | High-mass Photoionising Protostellar Object (HiPPO) survey                                                 | Tanaka         | EA          | 12-m        | 6    |
| 14:46:13   | 16:36:47 | 2023.1.00360.L | G326.99-_a_07_TP  | UNveiling the Initial Conditions of high-mass star-formation (UNIC)                                        | Redaelli       | CL EA EU NA | Total Power | 7    |
| 14:21:30   | 16:22:26 | 2023.1.00360.L | G305.80-_a_07_7M  | UNveiling the Initial Conditions of high-mass star-formation (UNIC)                                        | Redaelli       | CL EA EU NA | 7-m         | 7    |
| 11:03:50   | 11:59:41 | 2023.1.00833.S | NGC4038_a_06_TP   | GMC scale CO(2-1) observations in the tidal dwarf galaxies in Antennae system                              | Maeda          | EA          | Total Power | 6    |
| 10:11:41   | 10:32:00 | 2023.1.00697.S | R_Leo_c_04_TM1    | Monitoring the extended atmospheres of active AGB stars                                                    | Bojnordi Arbab | EU          | 12-m        | 4    |
| 09:27:18   | 10:07:45 | 2023.1.00697.S | R_Leo_a_08_TM1    | Monitoring the extended atmospheres of active AGB stars                                                    | Bojnordi Arbab | EU          | 12-m        | 8    |
| 08:25:43   | 10:29:21 | 2023.1.01643.S | OMC2_a_07_7M      | Estimating the cosmic-ray ionisation rate across OMC-2 and OMC-3                                           | Socci          | EU          | 7-m         | 7    |
| 08:23:32   | 09:25:08 | 2023.1.00394.S | IRAS0729_a_08_TM1 | Multi-frequency Observation of a Forming Massive Binary                                                    | Zhang          | NA          | 12-m        | 8    |
| 07:27:57   | 08:07:41 | 2023.1.00697.S | R_Dor_a_08_TM1    | Monitoring the extended atmospheres of active AGB stars                                                    | Bojnordi Arbab | EU          | 12-m        | 8    |
| 06:19:36   | 07:08:06 | 2023.1.01643.S | OMC2_a_07_TP      | Estimating the cosmic-ray ionisation rate across OMC-2 and OMC-3                                           | Socci          | EU          | Total Power | 7    |
| 05:40:11   | 07:07:14 | 2023.1.00515.S | HL_Tau_a_04_TM1   | A New Era in Disk Polarization: Substructures in HL Tau Resolved at Two Wavelengths                        | Stephens       | NA          | 12-m        | 4    |
| 04:05:56   | 06:09:25 | 2023.1.00750.S | HerBS-16_a_09_7M  | Hii gas at Cosmic Noon: An ACA survey of OIII at z = 2.5 to 5                                              | Bakx           | EU          | 7-m         | 9    |
| 03:47:54   | 05:40:06 | 2023.1.00515.S | HL_Tau_a_04_TM1   | A New Era in Disk Polarization: Substructures in HL Tau Resolved at Two Wavelengths                        | Stephens       | NA          | 12-m        | 4    |
| 02:45:58   | 03:38:49 | 2023.1.00536.S | LMCGMC_1_e_06_TP  | The ACA ORdinary Cloud Study of the Large Magellanic Cloud                                                 | Rosolowsky     | NA          | Total Power | 6    |
| 01:51:49   | 03:38:20 | 2022.A.00034.S | MUSE_3D_a_03_TM1  | B3 observation of a super-deep field in HDF-S                                                              | Dent           | EU          | 12-m        | 3    |
| 01:50:35   | 03:15:13 | 2022.1.00276.S | M33_h_03_7M       | Resolving the Cloud-Cluster Ecosystem in M33                                                               | Rosolowsky     | NA          | 7-m         | 3    |
| 01:28:54   | 02:45:06 | 2023.1.00812.S | NGC_7252_a_03_TP  | Comprehensive Study of Molecular Gas in Tidal Dwarf                                                        | Moncada Cuadri | EU          | Total Power | 3    |

| 00:30:44   | 01:50:23 | 2023.1.00227.S | IC5152_a_06_7M    | Galaxies<br>Physics of low-metallicity molecular clouds with ALMA                                             | Hunt               | EU        | 7-m         | 6    |
|------------|----------|----------------|-------------------|---------------------------------------------------------------------------------------------------------------|--------------------|-----------|-------------|------|
| 00:12:09   | 01:14:43 | 2023.1.01101.S | NGC7319_a_03_TP   | ACA CO(1-0) mapping of Stephan's Quintet                                                                      | Maeda              | EA        | Total Power | 3    |
| 2023-11-02 |          |                |                   |                                                                                                               |                    |           |             |      |
| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title                                                                                                 | PI                 | Executive | Array       | Band |
| 23:53:33   | 01:40:25 | 2022.A.00034.S | MUSE_3D_a_03_TM1  | B3 observation of a super-deep field in HDF-S                                                                 | Dent               | EU        | 12-m        | 3    |
| 23:07:16   | 00:29:16 | 2023.1.00227.S | IC5152_a_06_7M    | Physics of low-metallicity molecular clouds with ALMA                                                         | Hunt               | EU        | 7-m         | 6    |
| 12:34:03   | 13:19:47 | 2023.1.00140.S | SECCO1_M_a_06_7M  | Molecular gas content of novel isolated star forming clumps                                                   | Jones              | NA        | 7-m         | 6    |
| 11:08:07   | 12:30:38 | 2023.1.00140.S | SECCO1_M_a_06_7M  | Molecular gas content of novel isolated star forming clumps                                                   | Jones              | NA        | 7-m         | 6    |
| 10:19:38   | 11:16:28 | 2023.1.00536.S | LMCGMC_1_h_06_TP  | The ACA ORdinary Cloud Study of the Large Magellanic Cloud                                                    | Rosolowsky         | NA        | Total Power | 6    |
| 09:23:59   | 10:45:19 | 2023.1.00868.S | DVR2021b_a_04_7M  | A search for cold, carbon-rich accretion streams in a massive halo at z=2.9                                   | Solimano           | CL        | 7-m         | 4    |
| 09:17:10   | 11:18:05 | 2023.1.01441.S | SPT0551-_a_07_TM1 | Do they exist? - Pushing the limits for low-mass dark matter halos searches                                   | Amvrosiadis        | EU        | 12-m        | 7    |
| 07:39:05   | 09:08:12 | 2023.1.01643.S | OMC2_a_07_7M      | Estimating the cosmic-ray ionisation rate across OMC-2 and OMC-3                                              | Socci              | EU        | 7-m         | 7    |
| 07:24:53   | 08:21:47 | 2023.1.00536.S | LMCGMC_1_h_06_TP  | The ACA ORdinary Cloud Study of the Large Magellanic Cloud                                                    | Rosolowsky         | NA        | Total Power | 6    |
| 06:37:11   | 08:38:12 | 2023.1.01441.S | SPT0551-_a_07_TM1 | Do they exist? - Pushing the limits for low-mass dark matter halos searches                                   | Amvrosiadis        | EU        | 12-m        | 7    |
| 06:31:11   | 07:24:34 | 2023.1.00536.S | LMCGMC_3_c_06_TP  | The ACA ORdinary Cloud Study of the Large Magellanic Cloud                                                    | Rosolowsky         | NA        | Total Power | 6    |
| 06:05:00   | 07:34:56 | 2022.1.00303.S | Per-emb_a_05_7M   | Testing the origin of warm carbon-chain chemistry in Perseus protostars                                       | Yang               | EA        | 7-m         | 5    |
| 05:16:19   | 06:30:58 | 2023.1.00884.S | ngc1566_a_07_TP   | Cloud-Scale CO excitation drivers in nearby galaxies targeted with JWST                                       | den Brok           | NA        | Total Power | 7    |
| 04:41:10   | 06:37:07 | 2023.1.00158.S | IRAS_S04_a_07_TM1 | Planet formation in extreme environments: proving the ubiquity of disk substructures in the substellar regime | Santamaria-Miranda | CL        | 12-m        | 7    |
| 04:21:47   | 05:16:06 | 2023.1.00536.S | LMCGMC_3_d_06_TP  | The ACA ORdinary Cloud Study of the Large Magellanic Cloud                                                    | Rosolowsky         | NA        | Total Power | 6    |
| 03:20:37   | 04:41:05 | 2023.1.01196.S | ESO253-0_a_06_TM1 | A complete ALMA study of AGN in Nearby Major Galaxy Mergers at <5kpc Nuclear Separations                      | Treister           | CL        | 12-m        | 6    |
| 03:06:34   | 04:21:03 | 2023.1.00884.S | ngc1566_a_07_TP   | Cloud-Scale CO excitation drivers in nearby galaxies targeted with JWST                                       | den Brok           | NA        | Total Power | 7    |
| 02:00:45   | 02:55:30 | 2023.1.00536.S | LMCGMC_3_d_06_TP  | The ACA ORdinary Cloud Study of the Large Magellanic Cloud                                                    | Rosolowsky         | NA        | Total Power | 6    |
| 01:54:50   | 02:46:17 | 2023.1.01441.S | SPT0346-_a_07_TM1 | Do they exist? - Pushing the limits for low-mass dark matter halos searches                                   | Amvrosiadis        | EU        | 12-m        | 7    |
| 01:17:29   | 02:25:56 | 2023.1.01342.S | GLEAM_J1_c_03_7M  | Investigating the cause of Low-Frequency Turnovers in the SEDs of SFGs: Constraining the Thermal Emission     | Grundy             | OTHER     | 7-m         | 3    |
| 00:55:43   | 01:59:39 | 2023.1.01101.S | NGC7319_a_03_TP   | ACA CO(1-0) mapping of Stephan's Quintet                                                                      | Maeda              | EA        | Total Power | 3    |
| 00:24:05   | 01:50:09 | 2022.A.00034.S | MUSE_3D_a_03_TM1  | B3 observation of a super-deep field in HDF-S                                                                 | Dent               | EU        | 12-m        | 3    |
| 2023-11-01 |          |                |                   |                                                                                                               |                    |           |             |      |
| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title                                                                                                 | PI                 | Executive | Array       | Band |
| 23:48:39   | 01:15:52 | 2023.1.00572.S | 2MASSJ19_a_06_7M  | Chasing streamers: Unveiling the connection between disk growth and infall channels in embedded protostars    | Valdivia Mena      | EU        | 7-m         | 6    |
| 23:29:02   | 00:55:38 | 2023.1.01150.S | G034.13_a_06_TP   | A Survey of Infall in the Very Early Stages of High-Mass Star Formation                                       | Morii              | EA        | Total Power | 6    |

| 23:23:27   | 00:09:30 | 2023.1.01346.S | G025.382_a_06_TM1 | High-mass Photoionising Protostellar Object (HiPPO) survey                                                 | Tanaka        | EA          | 12-m        | 6    |
|------------|----------|----------------|-------------------|------------------------------------------------------------------------------------------------------------|---------------|-------------|-------------|------|
| 22:39:00   | 23:22:31 | 2023.1.01346.S | G034.257_a_06_TM1 | High-mass Photoionising Protostellar Object (HiPPO) survey                                                 | Tanaka        | EA          | 12-m        | 6    |
| 22:26:20   | 23:46:37 | 2023.1.00360.L | G18.61-0_a_06_7M  | UNveiling the Initial Conditions of high-mass star-formation (UNIC)                                        | Redaelli      | CL EA EU NA | 7-m         | 6    |
| 15:52:47   | 16:30:26 | 2023.1.00360.L | G326.99-_b_06_7M  | UNveiling the Initial Conditions of high-mass star-formation (UNIC)                                        | Redaelli      | CL EA EU NA | 7-m         | 6    |
| 14:57:42   | 16:33:31 | 2022.A.00032.S | ngc4038_a_03_TM1  | A 5-pc-scale study of molecular clouds in the Antennae                                                     | Saito         | EA          | 12-m        | 3    |
| 14:36:42   | 15:47:37 | 2023.1.00140.S | BC5_a_06_7M       | Molecular gas content of novel isolated star forming clumps                                                | Jones         | NA          | 7-m         | 6    |
| 13:14:09   | 14:28:06 | 2023.1.00698.S | NGC_4710_a_03_7M  | ALMA-GECKOS: Completing the multiphase view of gas in edge-on galaxies for a MUSE large program            | Bolatto       | NA          | 7-m         | 3    |
| 12:11:12   | 12:50:10 | 2023.1.00833.S | NGC4038_a_06_TP   | GMC scale CO(2-1) observations in the tidal dwarf galaxies in Antennae system                              | Maeda         | EA          | Total Power | 6    |
| 11:30:54   | 12:59:37 | 2023.1.00833.S | NGC4038_a_06_7M   | GMC scale CO(2-1) observations in the tidal dwarf galaxies in Antennae system                              | Maeda         | EA          | 7-m         | 6    |
| 11:04:51   | 12:10:37 | 2023.1.00833.S | NGC4038_a_06_TP   | GMC scale CO(2-1) observations in the tidal dwarf galaxies in Antennae system                              | Maeda         | EA          | Total Power | 6    |
| 10:13:47   | 11:12:28 | 2021.2.00050.S | IC443_i_06_7M     | A study of molecular clouds interacting with cosmic rays in the supernova remnant IC 443                   | Kokusho       | EA          | 7-m         | 6    |
| 09:49:38   | 10:55:40 | 2023.1.00833.S | NGC4038_a_06_TP   | GMC scale CO(2-1) observations in the tidal dwarf galaxies in Antennae system                              | Maeda         | EA          | Total Power | 6    |
| 09:29:42   | 11:29:47 | 2023.1.01441.S | SPT0551-_a_07_TM1 | Do they exist? - Pushing the limits for low-mass dark matter halos searches                                | Amvrosiadis   | EU          | 12-m        | 7    |
| 09:03:08   | 09:58:58 | 2021.2.00050.S | IC443_i_06_7M     | A study of molecular clouds interacting with cosmic rays in the supernova remnant IC 443                   | Kokusho       | EA          | 7-m         | 6    |
| 08:30:19   | 09:46:34 | 2023.1.00225.S | L1521F_a_07_TP    | Tracing evolution of dense core nucleus in ortho-H2D+                                                      | Tokuda        | EA          | Total Power | 7    |
| 07:28:36   | 09:29:38 | 2023.1.01441.S | SPT0551-_a_07_TM1 | Do they exist? - Pushing the limits for low-mass dark matter halos searches                                | Amvrosiadis   | EU          | 12-m        | 7    |
| 06:51:58   | 08:30:14 | 2023.1.00225.S | L1521F_a_07_TP    | Tracing evolution of dense core nucleus in ortho-H2D+                                                      | Tokuda        | EA          | Total Power | 7    |
| 06:14:41   | 08:19:09 | 2023.1.00225.S | L1521F_a_07_7M    | Tracing evolution of dense core nucleus in ortho-H2D+                                                      | Tokuda        | EA          | 7-m         | 7    |
| 05:13:21   | 06:51:53 | 2023.1.00225.S | L1521F_a_07_TP    | Tracing evolution of dense core nucleus in ortho-H2D+                                                      | Tokuda        | EA          | Total Power | 7    |
| 04:25:31   | 06:14:36 | 2023.1.00572.S | IRAS_033_a_06_7M  | Chasing streamers: Unveiling the connection between disk growth and infall channels in embedded protostars | Valdivia Mena | EU          | 7-m         | 6    |
| 03:58:22   | 05:12:31 | 2023.1.00884.S | ngc1566_a_07_TP   | Cloud-Scale CO excitation drivers in nearby galaxies targeted with JWST                                    | den Brok      | NA          | Total Power | 7    |
| 02:44:03   | 03:58:16 | 2023.1.00884.S | ngc1566_a_07_TP   | Cloud-Scale CO excitation drivers in nearby galaxies targeted with JWST                                    | den Brok      | NA          | Total Power | 7    |
| 02:18:00   | 03:42:31 | 2022.1.00276.S | M33_h_03_7M       | Resolving the Cloud-Cluster Ecosystem in M33                                                               | Rosolowsky    | NA          | 7-m         | 3    |
| 01:50:35   | 02:43:23 | 2023.1.00536.S | LMCGMC_3_c_06_TP  | The ACA ORdinary Cloud Study of the Large Magellanic Cloud                                                 | Rosolowsky    | NA          | Total Power | 6    |
| 00:46:51   | 01:50:24 | 2023.1.01101.S | NGC7319_a_03_TP   | ACA CO(1-0) mapping of Stephan's Quintet                                                                   | Maeda         | EA          | Total Power | 3    |
| 00:36:52   | 01:51:35 | 2023.1.01196.S | ESO244-l_a_06_TM1 | A complete ALMA study of AGN in Nearby Major Galaxy Mergers at <5kpc Nuclear Separations                   | Treister      | CL          | 12-m        | 6    |
| 00:36:05   | 02:01:05 | 2023.1.00322.S | HERBS39_a_05_7M   | Water BEARS                                                                                                | Urquhart      | EU          | 7-m         | 5    |
| 2023-10-31 |          |                |                   |                                                                                                            |               |             |             |      |
| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title                                                                                              | PI            | Executive   | Array       | Band |
| 23:43:22   | 00:46:10 | 2023.1.01101.S | NGC7319_a_03_TP   | ACA CO(1-0) mapping of Stephan's Quintet                                                                   | Maeda         | EA          | Total Power | 3    |

|          |          |                |                   |                                                                                                                |                |             |      |   |
|----------|----------|----------------|-------------------|----------------------------------------------------------------------------------------------------------------|----------------|-------------|------|---|
| 23:07:02 | 00:26:49 | 2023.1.00360.L | G18.61-0_a_06_7M  | UNveiling the Initial Conditions of high-mass star-formation (UNIC)                                            | Redaelli       | CL EA EU NA | 7-m  | 6 |
| 22:47:49 | 23:37:02 | 2023.1.01346.S | G038.549_a_06_TM1 | High-mass Photoionising Protostellar Object (HiPPO) survey                                                     | Tanaka         | EA          | 12-m | 6 |
| 21:50:37 | 22:33:30 | 2023.1.01346.S | G012.813_a_06_TM1 | High-mass Photoionising Protostellar Object (HiPPO) survey                                                     | Tanaka         | EA          | 12-m | 6 |
| 21:09:49 | 22:33:09 | 2023.1.00360.L | G08.710._a_03_7M  | UNveiling the Initial Conditions of high-mass star-formation (UNIC)                                            | Redaelli       | CL EA EU NA | 7-m  | 3 |
| 20:56:57 | 21:44:15 | 2023.1.01346.S | G015.035_b_06_TM1 | High-mass Photoionising Protostellar Object (HiPPO) survey                                                     | Tanaka         | EA          | 12-m | 6 |
| 20:09:55 | 20:56:34 | 2023.1.01346.S | G015.035_a_06_TM1 | High-mass Photoionising Protostellar Object (HiPPO) survey                                                     | Tanaka         | EA          | 12-m | 6 |
| 19:35:03 | 21:00:08 | 2023.1.00360.L | G18.61-0_a_06_7M  | UNveiling the Initial Conditions of high-mass star-formation (UNIC)                                            | Redaelli       | CL EA EU NA | 7-m  | 6 |
| 18:08:34 | 19:34:03 | 2023.1.00360.L | G18.61-0_a_06_7M  | UNveiling the Initial Conditions of high-mass star-formation (UNIC)                                            | Redaelli       | CL EA EU NA | 7-m  | 6 |
| 16:21:50 | 17:35:42 | 2023.1.00698.S | NGC_4710_a_03_7M  | ALMA-GECKOS: Completing the multiphase view of gas in edge-on galaxies for a MUSE large program                | Bolatto        | NA          | 7-m  | 3 |
| 15:53:28 | 17:38:03 | 2022.A.00032.S | ngc4038_a_03_TM1  | A 5-pc-scale study of molecular clouds in the Antennae                                                         | Saito          | EA          | 12-m | 3 |
| 14:43:56 | 15:47:01 | 2023.1.00432.S | J1053+05_b_03_TM1 | Sub-kpc mapping of dense gas in high-z star-forming galaxies                                                   | Rybak          | EU          | 12-m | 3 |
| 12:49:28 | 14:49:47 | 2023.1.00360.L | G305.80-_a_07_7M  | UNveiling the Initial Conditions of high-mass star-formation (UNIC)                                            | Redaelli       | CL EA EU NA | 7-m  | 7 |
| 11:05:23 | 12:38:32 | 2023.1.00600.S | BHR_71_a_07_7M    | A hybrid approach to measure the 3D Yang infall kinematics in an isolated protosellar core                     |                | EA          | 7-m  | 7 |
| 10:16:52 | 10:57:15 | 2023.1.00697.S | R_Leo_a_08_TM1    | Monitoring the extended atmospheres of active AGB stars                                                        | Bojnordi Arbab | EU          | 12-m | 8 |
| 09:36:35 | 10:58:14 | 2023.1.00868.S | DVR2021b_a_04_7M  | A search for cold, carbon-rich accretion streams in a massive halo at z=2.9                                    | Solimano       | CL          | 7-m  | 4 |
| 08:28:55 | 09:28:16 | 2021.2.00050.S | IC443_i_06_7M     | A study of molecular clouds interacting with cosmic rays in the supernova remnant IC 443                       | Kokusho        | EA          | 7-m  | 6 |
| 08:23:07 | 10:08:42 | 2023.1.01219.S | ngc1365_a_06_TM1  | Resolved molecular cloud properties in the nearby extreme starburst center of NGC1365                          | Schinnerer     | EU          | 12-m | 6 |
| 07:23:00 | 07:46:58 | 2023.1.00937.S | star_del_a_06_7M  | Characterizing the complete disk population of young massive stars. Insights into planet formation mechanisms. | Vioque         | NA          | 7-m  | 6 |
| 06:32:18 | 07:34:10 | 2023.1.01196.S | ESO548-G_a_06_TM1 | A complete ALMA study of AGN in Nearby Major Galaxy Mergers at <5kpc Nuclear Separations                       | Treister       | CL          | 12-m | 6 |
| 05:23:47 | 07:13:19 | 2023.1.00572.S | IRAS_033_a_06_7M  | Chasing streamers: Unveiling the connection between disk growth and infall channels in embedded protostars     | Valdivia Mena  | EU          | 7-m  | 6 |
| 04:49:24 | 06:32:03 | 2023.1.01219.S | ngc1365_a_06_TM1  | Resolved molecular cloud properties in the nearby extreme starburst center of NGC1365                          | Schinnerer     | EU          | 12-m | 6 |
| 03:38:24 | 05:02:08 | 2022.1.00276.S | M33_c_03_7M       | Resolving the Cloud-Cluster Ecosystem in M33                                                                   | Rosolowsky     | NA          | 7-m  | 3 |
| 02:44:26 | 04:31:52 | 2023.1.01219.S | ngc1365_a_06_TM1  | Resolved molecular cloud properties in the nearby extreme starburst center of NGC1365                          | Schinnerer     | EU          | 12-m | 6 |
| 02:12:55 | 03:38:15 | 2022.1.00276.S | M33_c_03_7M       | Resolving the Cloud-Cluster Ecosystem in M33                                                                   | Rosolowsky     | NA          | 7-m  | 3 |
| 01:43:33 | 02:12:29 | 2019.2.00120.S | IRAS_023_a_06_7M  | The Nearby Evolved Stars Survey: quantifying the gas and dust return to the Galactic interstellar medium       | Sciocluna      | EA          | 7-m  | 6 |
| 01:28:48 | 02:39:44 | 2023.1.00432.S | J0209+00_b_03_TM1 | Sub-kpc mapping of dense gas in high-z star-forming galaxies                                                   | Rybak          | EU          | 12-m | 3 |
| 00:59:42 | 01:43:09 | 2023.1.01084.S | NGC7457_a_06_7M   | Identifying targets for cross-checking blackhole mass measurements                                             | Liang          | EU          | 7-m  | 6 |

2023-10-30

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title                                                                                              | PI            | Executive   | Array | Band |
|------------|----------|----------------|-------------------|------------------------------------------------------------------------------------------------------------|---------------|-------------|-------|------|
| 23:32:41   | 01:13:35 | 2023.1.01197.S | B335_a_06_TM1     | ALMA Proper Motions in the B335 Jet: Connect an Ejection Event to an Accretion Burst.                      | Kim           | EA          | 12-m  | 6    |
| 23:10:58   | 00:34:52 | 2023.1.00572.S | 2MASSJ19_a_06_7M  | Chasing streamers: Unveiling the connection between disk growth and infall channels in embedded protostars | Valdivia Mena | EU          | 7-m   | 6    |
| 22:35:26   | 23:22:05 | 2023.1.01346.S | G014.598_a_06_TM1 | High-mass Photoionising Protostellar Object (HiPPO) survey                                                 | Tanaka        | EA          | 12-m  | 6    |
| 21:48:18   | 23:08:13 | 2023.1.00360.L | G18.61-0_a_06_7M  | UNveiling the Initial Conditions of high-mass star-formation (UNIC)                                        | Redaelli      | CL EA EU NA | 7-m   | 6    |
| 20:31:26   | 21:46:57 | 2023.1.01346.S | G345.005_a_06_TM1 | High-mass Photoionising Protostellar Object (HiPPO) survey                                                 | Tanaka        | EA          | 12-m  | 6    |
| 19:35:44   | 20:27:30 | 2023.1.01346.S | G348.697_b_06_TM1 | High-mass Photoionising Protostellar Object (HiPPO) survey                                                 | Tanaka        | EA          | 12-m  | 6    |