

**ALMA Observing Activity from 2023-03-20T17:59:00 to 2023-03-27T18:00:00**  
**QA0 pass executions**

**2023-03-27**

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title                                                                                                        | PI             | Executive | Array       | Band |
|------------|----------|----------------|-------------------|----------------------------------------------------------------------------------------------------------------------|----------------|-----------|-------------|------|
| 11:28:03   | 12:13:33 | 2022.1.01651.S | Cloud_l_b_03_TM1  | Highest Dynamic Range Spatiokinematic Mapping of an Infrared Dark Cloud                                              | Morgan         | NA        | 12-m        | 3    |
| 11:27:52   | 12:12:07 | 2022.1.01204.S | C30_a_03_TP       | Forming hub-filament systems: An unbiased study of the gas kinematics of increasingly complex filamentary structures | Peretto        | EU        | Total Power | 3    |
| 10:07:45   | 11:14:43 | 2022.1.00406.S | HD142527_a_03_TM1 | CO polarization observations for investigating a new tool as a magnetic tracer                                       | Ohashi         | EA        | 12-m        | 3    |
| 09:56:25   | 11:15:53 | 2022.1.01204.S | C91_a_03_7M       | Forming hub-filament systems: An unbiased study of the gas kinematics of increasingly complex filamentary structures | Peretto        | EU        | 7-m         | 3    |
| 09:55:13   | 11:27:06 | 2022.1.01204.S | C30_a_03_TP       | Forming hub-filament systems: An unbiased study of the gas kinematics of increasingly complex filamentary structures | Peretto        | EU        | Total Power | 3    |
| 09:00:47   | 10:07:00 | 2022.1.00406.S | HD142527_a_03_TM1 | CO polarization observations for investigating a new tool as a magnetic tracer                                       | Ohashi         | EA        | 12-m        | 3    |
| 08:39:08   | 09:55:09 | 2022.1.01392.S | SDC13_a_03_TP     | SDC13, a hub-filament system originated from the collision of large-scale converging flow?                           | Wang           | EA        | Total Power | 3    |
| 08:38:27   | 09:56:19 | 2022.1.00131.S | CB68_a_03_7M      | Outflows in Class 0/I Protostars with ALMA: A multi-scale approach                                                   | Plunkett       | NA        | 7-m         | 3    |
| 07:56:55   | 09:00:41 | 2022.1.00406.S | HD142527_a_03_TM1 | CO polarization observations for investigating a new tool as a magnetic tracer                                       | Ohashi         | EA        | 12-m        | 3    |
| 07:39:52   | 08:38:22 | 2022.1.00131.S | OphIRS43_a_03_7M  | Outflows in Class 0/I Protostars with ALMA: A multi-scale approach                                                   | Plunkett       | NA        | 7-m         | 3    |
| 07:10:19   | 08:38:32 | 2022.1.00992.S | Oph_IRS_a_03_TP   | Fully characterization of streamers in the embedded phases of star formation                                         | Pineda         | EU        | Total Power | 3    |
| 06:48:50   | 07:56:50 | 2022.1.00406.S | HD142527_a_03_TM1 | CO polarization observations for investigating a new tool as a magnetic tracer                                       | Ohashi         | EA        | 12-m        | 3    |
| 06:14:51   | 07:21:04 | 2022.1.01307.S | NGC_5291_a_03_7M  | Looking for Diffuse Gas in Tidal Dwarf Galaxies                                                                      | Moncada Cuadri | EU        | 7-m         | 3    |
| 05:38:50   | 06:48:45 | 2022.1.00406.S | HD142527_a_03_TM1 | CO polarization observations for investigating a new tool as a magnetic tracer                                       | Ohashi         | EA        | 12-m        | 3    |
| 05:34:29   | 06:51:20 | 2022.1.01307.S | NGC_5291_a_03_TP  | Looking for Diffuse Gas in Tidal Dwarf Galaxies                                                                      | Moncada Cuadri | EU        | Total Power | 3    |
| 04:40:16   | 06:07:28 | 2022.1.00360.S | NGC4321_a_03_7M   | ALMA-FACTS: Fundamental CO 1-0 Transition Survey of Nearby Galaxies                                                  | Koda           | NA        | 7-m         | 3    |
| 04:19:13   | 05:34:23 | 2022.1.00360.S | NGC3621_a_03_TP   | ALMA-FACTS: Fundamental CO 1-0 Transition Survey of Nearby Galaxies                                                  | Koda           | NA        | Total Power | 3    |
| 03:14:32   | 04:40:11 | 2022.1.00360.S | NGC3521_a_03_7M   | ALMA-FACTS: Fundamental CO 1-0 Transition Survey of Nearby Galaxies                                                  | Koda           | NA        | 7-m         | 3    |
| 03:02:52   | 04:19:09 | 2022.1.00360.S | NGC3621_a_03_TP   | ALMA-FACTS: Fundamental CO 1-0 Transition Survey of Nearby Galaxies                                                  | Koda           | NA        | Total Power | 3    |
| 02:13:45   | 03:15:20 | 2022.1.01644.S | K3D_COS4_b_03_TM1 | Molecular gas distribution and dynamics in main-sequence galaxies at the peak epoch of the cosmic star formation     | Ibar           | CL        | 12-m        | 3    |
| 01:58:02   | 03:02:47 | 2022.1.01479.S | ngc2835_a_03_TP   | CO Excitation Across the Local Galaxy Population                                                                     | den Brok       | EU        | Total Power | 3    |
| 01:55:20   | 03:14:26 | 2022.1.01479.S | ngc2835_a_03_7M   | CO Excitation Across the Local Galaxy Population                                                                     | den Brok       | EU        | 7-m         | 3    |

**2023-03-26**

| Start (UT) | End (UT) | Project Code   | SchedBlock       | Project Title                                                                                                 | PI           | Executive | Array | Band |
|------------|----------|----------------|------------------|---------------------------------------------------------------------------------------------------------------|--------------|-----------|-------|------|
| 15:29:41   | 16:55:34 | 2022.1.01507.S | G5128900_a_03_7M | A CO emission follow-up survey of the DINGO Pilot survey: the evolution of molecular gas over the past 3 Gyrs | Roychowdhury | EU        | 7-m   | 3    |

|          |          |                |                           |                                                                                                                            |                |          |             |   |
|----------|----------|----------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------|----------|-------------|---|
| 13:59:11 | 15:18:23 | 2022.1.01507.S | G5117725_a_03_7M          | A CO emission follow-up survey of the Roychowdhury DINGO Pilot survey: the evolution of molecular gas over the past 3 Gyrs |                | EU       | 7-m         | 3 |
| 13:58:06 | 15:19:40 | 2022.1.00992.S | B335_a_03_TP              | Fully characterization of streamers in the embedded phases of star formation                                               | Pineda         | EU       | Total Power | 3 |
| 13:10:57 | 14:21:00 | 2022.1.00680.S | AzTEC1_a_03_TM1           | A deep molecular gas map at the node of the cosmic web at z=3                                                              | Umehata        | EA       | 12-m        | 3 |
| 11:50:38 | 13:00:49 | 2022.1.00680.S | AzTEC1_a_03_TM1           | A deep molecular gas map at the node of the cosmic web at z=3                                                              | Umehata        | EA       | 12-m        | 3 |
| 11:24:10 | 12:36:50 | 2022.1.01204.S | C91_a_03_7M               | Forming hub-filament systems: An unbiased study of the gas kinematics of increasingly complex filamentary structures       | Peretto        | EU       | 7-m         | 3 |
| 10:22:26 | 11:36:50 | 2022.1.01651.S | Cloud_I_e_03_TM1          | Highest Dynamic Range Spatiokinematic Mapping of an Infrared Dark Cloud                                                    | Morgan         | NA       | 12-m        | 3 |
| 09:34:57 | 11:06:33 | 2022.1.01204.S | C30_a_03_TP               | Forming hub-filament systems: An unbiased study of the gas kinematics of increasingly complex filamentary structures       | Peretto        | EU       | Total Power | 3 |
| 09:19:07 | 10:38:25 | 2022.1.01204.S | C91_a_03_7M               | Forming hub-filament systems: An unbiased study of the gas kinematics of increasingly complex filamentary structures       | Peretto        | EU       | 7-m         | 3 |
| 08:14:56 | 09:19:09 | 2022.1.00406.S | HD142527_a_03_TM1         | CO polarization observations for investigating a new tool as a magnetic tracer                                             | Ohashi         | EA       | 12-m        | 3 |
| 08:14:11 | 09:34:51 | 2021.1.00172.L | Sgr_A_st_ap_updated_03_TP | ACES: The ALMA CMZ Exploration Survey                                                                                      | Longmore       | EA EU NA | Total Power | 3 |
| 08:07:17 | 09:19:04 | 2022.1.00290.S | RCW103_S_b_03_7M          | Is atomic carbon a good tracer of H2 gas?: Impacts of cosmic-ray and/or shock induced destructions of CO                   | Sano           | EA       | 7-m         | 3 |
| 07:06:33 | 08:14:51 | 2022.1.00406.S | HD142527_a_03_TM1         | CO polarization observations for investigating a new tool as a magnetic tracer                                             | Ohashi         | EA       | 12-m        | 3 |
| 06:50:03 | 08:14:07 | 2022.1.00992.S | Oph_IRS_a_03_TP           | Fully characterization of streamers in the embedded phases of star formation                                               | Pineda         | EU       | Total Power | 3 |
| 06:39:47 | 08:07:11 | 2022.1.01566.S | G331.37_a_04_7M           | Dust Temperatures in 70um Dark IRDCs                                                                                       | Sanhueza       | EA       | 7-m         | 4 |
| 05:56:31 | 07:06:28 | 2022.1.00406.S | HD142527_a_03_TM1         | CO polarization observations for investigating a new tool as a magnetic tracer                                             | Ohashi         | EA       | 12-m        | 3 |
| 05:50:22 | 06:49:58 | 2022.1.01307.S | NGC_5291_b_03_TP          | Looking for Diffuse Gas in Tidal Dwarf Galaxies                                                                            | Moncada Cuadri | EU       | Total Power | 3 |
| 05:44:57 | 06:39:05 | 2022.1.01307.S | NGC_5291_b_03_7M          | Looking for Diffuse Gas in Tidal Dwarf Galaxies                                                                            | Moncada Cuadri | EU       | 7-m         | 3 |
| 04:54:14 | 05:56:26 | 2022.1.01477.S | PDS70pol_a_03_TM2         | Examining the Dust Dynamics Induced by Planet-disk Interaction                                                             | Liu            | EA       | 12-m        | 3 |
| 04:38:06 | 05:50:17 | 2022.1.00360.S | NGC4579_a_03_TP           | ALMA-FACTS: Fundamental CO 1-0 Transition Survey of Nearby Galaxies                                                        | Koda           | NA       | Total Power | 3 |
| 04:21:30 | 05:44:51 | 2022.1.00360.S | NGC4321_a_03_7M           | ALMA-FACTS: Fundamental CO 1-0 Transition Survey of Nearby Galaxies                                                        | Koda           | NA       | 7-m         | 3 |
| 03:47:35 | 04:54:09 | 2022.1.01266.S | HD_97048_a_03_TM2         | Putting kinematic planetary detection techniques to the test in HD 97048                                                   | Speedie        | NA       | 12-m        | 3 |
| 03:22:07 | 04:38:01 | 2022.1.00360.S | NGC3621_a_03_TP           | ALMA-FACTS: Fundamental CO 1-0 Transition Survey of Nearby Galaxies                                                        | Koda           | NA       | Total Power | 3 |
| 02:55:56 | 04:21:25 | 2022.1.00360.S | NGC3521_a_03_7M           | ALMA-FACTS: Fundamental CO 1-0 Transition Survey of Nearby Galaxies                                                        | Koda           | NA       | 7-m         | 3 |
| 02:40:24 | 03:47:30 | 2022.1.01266.S | HD_97048_a_03_TM2         | Putting kinematic planetary detection techniques to the test in HD 97048                                                   | Speedie        | NA       | 12-m        | 3 |
| 01:31:23 | 02:54:30 | 2022.1.00360.S | NGC3351_a_03_7M           | ALMA-FACTS: Fundamental CO 1-0 Transition Survey of Nearby Galaxies                                                        | Koda           | NA       | 7-m         | 3 |
| 01:26:27 | 02:26:02 | 2022.1.00971.S | 2299_a_03_TM1             | Feedback or mergers? Detailed characterisation of an exceptional molecular gas ejection at z=1.4                           | Puglisi        | EU       | 12-m        | 3 |
| 00:56:16 | 02:20:30 | 2022.1.01570.S | WB89_108_b_03_TP          | An ACA census of molecular                                                                                                 | Jian           | EA       | Total Power | 3 |

|          |          |                |               |                                                                                                                                     |         |    |      |   |
|----------|----------|----------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------|---------|----|------|---|
| 00:12:12 | 01:11:57 | 2022.1.00971.S | 2299_a_03_TM1 | clouds across the Galactic disk<br>Feedback or mergers? Detailed characterisation of an exceptional molecular gas ejection at z=1.4 | Puglisi | EU | 12-m | 3 |
|----------|----------|----------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------|---------|----|------|---|

**2023-03-25**

| Start (UT) | End (UT) | Project Code   | SchedBlock                | Project Title                                                                                                        | PI           | Executive | Array       | Band |
|------------|----------|----------------|---------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|-----------|-------------|------|
| 23:50:12   | 01:18:01 | 2021.2.00094.S | G211.16-_a_03_7M          | Searching for complex organic molecules in Orion cold cores                                                          | Liu          | EA        | 7-m         | 3    |
| 23:39:27   | 00:43:22 | 2022.1.01479.S | ngc2835_a_03_TP           | CO Excitation Across the Local Galaxy Population                                                                     | den Brok     | EU        | Total Power | 3    |
| 22:27:48   | 23:39:19 | 2022.1.01570.S | N05_12_a_03_TP            | An ACA census of molecular clouds across the Galactic disk                                                           | Jian         | EA        | Total Power | 3    |
| 22:14:56   | 23:34:15 | 2022.1.00427.S | J0459-AC_a_03_7M          | The Sunyaev-Zel'dovich effect toward a distant galaxy cluster at z=1.7                                               |              | EA        | 7-m         | 3    |
| 22:11:35   | 23:08:35 | 2022.1.01003.S | SPT0311-_a_03_TM1         | Following the energy trail with CH+ in strongly lensed starburst galaxies before cosmic noon                         | Vidal-Garcia | EU        | 12-m        | 3    |
| 21:08:19   | 22:19:57 | 2022.1.00360.S | NGC1512_a_03_TP           | ALMA-FACTS: Fundamental CO 1-0 Transition Survey of Nearby Galaxies                                                  | Koda         | NA        | Total Power | 3    |
| 21:03:37   | 21:59:47 | 2022.1.00016.S | Orion_KL_a_03_TM1         | High-Resolution Imaging of Deuterated Methanol (CH <sub>2</sub> DOH) in Orion KL: Toward Resolving a 30-Year Mystery | Wilkins      | NA        | 12-m        | 3    |
| 20:36:56   | 21:03:32 | 2022.1.01203.S | H172.751_a_03_TM1         | The Initial Conditions for Massive Star Formation in inner and outer Galaxy                                          | Mardones     | CL        | 12-m        | 3    |
| 19:56:11   | 21:08:15 | 2022.1.00360.S | NGC1512_a_03_TP           | ALMA-FACTS: Fundamental CO 1-0 Transition Survey of Nearby Galaxies                                                  | Koda         | NA        | Total Power | 3    |
| 19:41:11   | 20:36:52 | 2022.1.00016.S | Orion_KL_a_03_TM1         | High-Resolution Imaging of Deuterated Methanol (CH <sub>2</sub> DOH) in Orion KL: Toward Resolving a 30-Year Mystery | Wilkins      | NA        | 12-m        | 3    |
| 17:46:27   | 18:43:18 | 2022.1.01003.S | SPT0311-_a_03_TM1         | Following the energy trail with CH+ in strongly lensed starburst galaxies before cosmic noon                         | Vidal-Garcia | EU        | 12-m        | 3    |
| 16:05:01   | 16:53:55 | 2022.1.01507.S | G5116881_a_03_7M          | A CO emission follow-up survey of the DINGO Pilot survey: the evolution of molecular gas over the past 3 Gyrs        | Roychowdhury | EU        | 7-m         | 3    |
| 13:18:19   | 14:45:02 | 2021.1.00172.L | Sgr_A_st_ap_updated_03_TP | ACES: The ALMA CMZ Exploration Survey                                                                                | Longmore     | EA EU NA  | Total Power | 3    |
| 12:40:31   | 13:50:31 | 2022.1.00680.S | AzTEC1_a_03_TM1           | A deep molecular gas map at the node of the cosmic web at z=3                                                        | Umehata      | EA        | 12-m        | 3    |
| 11:51:45   | 12:34:38 | 2022.1.01003.S | SPT2132-_a_04_TM1         | Following the energy trail with CH+ in strongly lensed starburst galaxies before cosmic noon                         | Vidal-Garcia | EU        | 12-m        | 4    |
| 11:33:24   | 12:59:37 | 2021.1.00172.L | Sgr_A_st_ap_updated_03_TP | ACES: The ALMA CMZ Exploration Survey                                                                                | Longmore     | EA EU NA  | Total Power | 3    |
| 10:11:27   | 11:26:21 | 2022.1.01651.S | Cloud_I_d_03_TM1          | Highest Dynamic Range Spatiokinematic Mapping of an Infrared Dark Cloud                                              | Morgan       | NA        | 12-m        | 3    |
| 10:00:11   | 11:31:05 | 2021.1.00172.L | Sgr_A_st_ap_updated_03_TP | ACES: The ALMA CMZ Exploration Survey                                                                                | Longmore     | EA EU NA  | Total Power | 3    |
| 09:38:57   | 11:03:49 | 2022.1.00500.S | FeSt_1-4_a_04_7M          | The onset of contraction in a magnetized prestellar core                                                             | Alves        | EU        | 7-m         | 4    |
| 08:36:41   | 10:00:07 | 2021.1.00172.L | Sgr_A_st_ap_updated_03_TP | ACES: The ALMA CMZ Exploration Survey                                                                                | Longmore     | EA EU NA  | Total Power | 3    |
| 08:12:23   | 09:38:47 | 2022.1.01392.S | SDC13_a_03_7M             | SDC13, a hub-filament system originated from the collision of large-scale converging flow?                           | Wang         | EA        | 7-m         | 3    |
| 07:42:09   | 08:50:44 | 2022.1.00657.S | IRAS_153_a_03_TM1         | Turbulent Structure around the Very Low-Mass Class 0 Protostar IRAS 15398-3359                                       | Okoda        | EA        | 12-m        | 3    |
| 07:23:10   | 07:41:59 | 2022.1.01477.S | PDS70pol_a_04_TM2         | Examining the Dust Dynamics Induced by Planet-disk Interaction                                                       | Liu          | EA        | 12-m        | 4    |
| 07:13:55   | 08:36:36 | 2021.1.00172.L | Sgr_A_st_ap_updated_03_TP | ACES: The ALMA CMZ Exploration Survey                                                                                | Longmore     | EA EU NA  | Total Power | 3    |
| 07:08:19   | 08:12:18 | 2022.1.00131.S | IRAS1539_b_03_7M          | Outflows in Class 0/I Protostars with ALMA: A multi-scale approach                                                   | Plunkett     | NA        | 7-m         | 3    |
| 05:04:30   | 05:46:56 | 2022.1.01439.S | ngc4264_a_03_7M           | Pre-processing of galaxies in the infalling groups to the Virgo Cluster                                              | Lee          | EA        | 7-m         | 3    |

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|----------|----------|----------------|-------------------|--------------------------------------------------------------------------------------------------------|---------|----|-------------|---|
| 04:42:21 | 05:50:03 | 2022.1.00360.S | NGC4579_a_03_TP   | ALMA-FACTS: FundAmental CO 1-0 Koda<br>Transition Survey of Nearby Galaxies                            |         | NA | Total Power | 3 |
| 04:03:12 | 05:02:28 | 2022.1.00971.S | 2299_a_03_TM1     | Feedback or mergers? Detailed<br>characterisation of an exceptional<br>molecular gas ejection at z=1.4 | Puglisi | EU | 12-m        | 3 |
| 03:41:04 | 05:04:27 | 2022.1.00360.S | NGC3351_a_03_7M   | ALMA-FACTS: FundAmental CO 1-0 Koda<br>Transition Survey of Nearby Galaxies                            |         | NA | 7-m         | 3 |
| 03:19:07 | 04:42:16 | 2022.1.00343.S | NGC3393_a_03_TP   | Systematically Measuring CO<br>Emission of Double-Barred Galaxies                                      | Wu      | EA | Total Power | 3 |
| 02:44:42 | 03:39:26 | 2022.1.01570.S | WB89_128_a_03_7M  | An ACA census of molecular clouds<br>across the Galactic disk                                          | Jian    | EA | 7-m         | 3 |
| 02:35:20 | 03:51:33 | 2022.1.01131.S | REBELS-1_a_06_TM1 | Resolving disks and mergers in the<br>Epoch of Reionization                                            | Smit    | EU | 12-m        | 6 |
| 02:03:35 | 03:19:03 | 2022.1.01570.S | N05_12_a_03_TP    | An ACA census of molecular clouds<br>across the Galactic disk                                          | Jian    | EA | Total Power | 3 |
| 00:56:52 | 02:24:10 | 2021.2.00094.S | G211.16-_a_03_7M  | Searching for complex organic<br>molecules in Orion cold cores                                         | Liu     | EA | 7-m         | 3 |
| 00:07:20 | 01:24:11 | 2022.1.01570.S | N05_12_a_03_TP    | An ACA census of molecular clouds<br>across the Galactic disk                                          | Jian    | EA | Total Power | 3 |

### 2023-03-24

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title                                                                                                                  | PI      | Executive | Array | Band |
|------------|----------|----------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------|---------|-----------|-------|------|
| 23:57:02   | 00:52:36 | 2022.1.00016.S | Orion_KL_a_03_TM1 | High-Resolution Imaging of<br>Deuterated Methanol (CH <sub>2</sub> DOH) in<br>Orion KL: Toward Resolving a 30-<br>Year Mystery | Wilkins | NA        | 12-m  | 3    |
| 23:15:58   | 00:43:47 | 2021.2.00094.S | G211.16-_a_03_7M  | Searching for complex organic<br>molecules in Orion cold cores                                                                 | Liu     | EA        | 7-m   | 3    |

### 2023-03-22

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title                                                                                                                 | PI           | Executive   | Array       | Band |
|------------|----------|----------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|-------------|------|
| 14:05:47   | 15:16:14 | 2022.1.00680.S | AzTEC1_a_03_TM1   | A deep molecular gas map at the<br>node of the cosmic web at z=3                                                              | Umehata      | EA          | 12-m        | 3    |
| 14:05:13   | 15:20:20 | 2022.1.01507.S | G5128095_a_03_7M  | A CO emission follow-up survey of the<br>DINGO Pilot survey: the evolution of<br>molecular gas over the past 3 Gyrs           | Roychowdhury | EU          | 7-m         | 3    |
| 12:39:42   | 14:03:55 | 2022.1.00992.S | B335_a_03_7M      | Fully characterization of streamers in<br>the embedded phases of star<br>formation                                            | Pineda       | EU          | 7-m         | 3    |
| 12:14:34   | 13:14:44 | 2022.1.01438.S | J1922+15_a_03_TM1 | Revealing the 12C/13C ratio across<br>the galactocentric radius through<br>sensitive absorption detection                     | Bisbas       | EU          | 12-m        | 3    |
| 11:19:19   | 12:32:07 | 2022.1.01204.S | C91_a_03_7M       | Forming hub-filament systems: An<br>unbiased study of the gas kinematics<br>of increasingly complex filamentary<br>structures | Peretto      | EU          | 7-m         | 3    |
| 09:59:34   | 11:18:32 | 2022.1.01566.S | G28.23_a_04_7M    | Dust Temperatures in 70um Dark<br>IRDCs                                                                                       | Sanhueza     | EA          | 7-m         | 4    |
| 09:49:24   | 11:25:28 | 2022.1.00875.L | J162616_a_06_TM1  | The ALMA Disk-Exoplanet<br>C/Onnection                                                                                        | Cleeves      | CL EA EU NA | 12-m        | 6    |
| 08:36:16   | 09:45:00 | 2022.1.00657.S | IRAS_153_a_03_TM1 | Turbulent Structure around the Very<br>Low-Mass Class 0 Protostar IRAS<br>15398-3359                                          | Okoda        | EA          | 12-m        | 3    |
| 07:51:27   | 09:03:35 | 2022.1.00290.S | RCW103_S_b_03_7M  | Is atomic carbon a good tracer of H <sub>2</sub><br>gas?: Impacts of cosmic-ray and/or<br>shock induced destructions of CO    | Sano         | EA          | 7-m         | 3    |
| 06:27:20   | 07:31:42 | 2022.1.00360.S | NGC4826_a_03_TP   | ALMA-FACTS: FundAmental CO 1-0 Koda<br>Transition Survey of Nearby Galaxies                                                   |              | NA          | Total Power | 3    |
| 06:24:18   | 07:49:22 | 2022.1.01124.S | J1333+16_a_03_7M  | How common are extreme molecular<br>haloes around z~2 quasars?                                                                | Mainieri     | EU          | 7-m         | 3    |
| 06:12:14   | 07:21:02 | 2022.1.00657.S | IRAS_153_a_03_TM1 | Turbulent Structure around the Very<br>Low-Mass Class 0 Protostar IRAS<br>15398-3359                                          | Okoda        | EA          | 12-m        | 3    |
| 04:26:30   | 05:42:00 | 2022.1.00360.S | NGC3621_a_03_TP   | ALMA-FACTS: FundAmental CO 1-0 Koda<br>Transition Survey of Nearby Galaxies                                                   |              | NA          | Total Power | 3    |

### 2023-03-21

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|--------------|------------|---------------|----|-----------|-------|------|
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|          |          |                |                   |                                                                                                     |                |    |      |   |
|----------|----------|----------------|-------------------|-----------------------------------------------------------------------------------------------------|----------------|----|------|---|
| 13:29:41 | 14:41:19 | 2022.1.00680.S | AzTEC1_a_03_TM1   | A deep molecular gas map at the node of the cosmic web at z=3                                       | Umehata        | EA | 12-m | 3 |
| 12:18:30 | 13:18:39 | 2022.1.01438.S | J1922+15_a_03_TM1 | Revealing the 12C/13C ratio across the galactocentric radius through sensitive absorption detection | Bisbas         | EU | 12-m | 3 |
| 11:05:27 | 11:58:57 | 2022.1.01438.S | J1832-10_a_03_TM1 | Revealing the 12C/13C ratio across the galactocentric radius through sensitive absorption detection | Bisbas         | EU | 12-m | 3 |
| 09:48:09 | 10:40:20 | 2022.1.01438.S | J1832-10_a_03_TM1 | Revealing the 12C/13C ratio across the galactocentric radius through sensitive absorption detection | Bisbas         | EU | 12-m | 3 |
| 05:25:58 | 06:36:03 | 2022.1.01576.S | NGC_5347_a_03_TM1 | (How) do low-luminosity radio AGN affect star formation in their host galaxies?                     | Wagner         | EA | 12-m | 3 |
| 04:49:58 | 05:24:56 | 2022.1.01772.S | ESO320-G_a_03_TM2 | Resolving the duality of star-formation relations in LIRGs                                          | Sanchez-Garcia | EU | 12-m | 3 |
| 03:49:21 | 04:45:16 | 2022.1.00172.S | G12v2.43_a_03_TM1 | Searching for H2O megamaser disks in the early Universe                                             | Yang           | EU | 12-m | 3 |
| 02:48:36 | 03:47:23 | 2022.1.00322.S | ID9316_a_03_TM1   | Unveiling the nature of a strong H2O absorption in a dusty galaxy at z=4.1                          | Jin            | EU | 12-m | 3 |
| 01:45:27 | 02:46:34 | 2022.1.01003.S | SPT0553-_a_04_TM1 | Following the energy trail with CH+ in strongly lensed starburst galaxies before cosmic noon        | Vidal-Garcia   | EU | 12-m | 4 |
| 00:14:35 | 01:14:24 | 2022.1.00322.S | ID9316_a_03_TM1   | Unveiling the nature of a strong H2O absorption in a dusty galaxy at z=4.1                          | Jin            | EU | 12-m | 3 |

### 2023-03-20

| Start (UT) | End (UT) | Project Code   | SchedBlock  | Project Title                                | PI         | Executive | Array       | Band |
|------------|----------|----------------|-------------|----------------------------------------------|------------|-----------|-------------|------|
| 19:31:47   | 20:00:44 | 2022.1.00276.S | M33_a_03_TP | Resolving the Cloud-Cluster Ecosystem in M33 | Rosolowsky | NA        | Total Power | 3    |
| 18:10:11   | 19:21:39 | 2022.1.00276.S | M33_a_03_TP | Resolving the Cloud-Cluster Ecosystem in M33 | Rosolowsky | NA        | Total Power | 3    |