

**ALMA Observing Activity from 2021-05-17T17:59:00 to 2021-05-24T18:00:00**  
**QA0 pass executions**

**2021-05-24**

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title   | PI        | Executive | Array | Band |
|------------|----------|----------------|-------------------|---|-----------|-----------|-------|------|
| 11:08:41   | 11:46:24 | 2019.1.00027.S | IRAS_000_a_07_TM1 | Molecular line flux ratios and buried AGNs in merging ultraluminous infrared galaxies | Imanishi  | EA        | 12-m  | 7    |
| 09:09:59   | 11:08:04 | 2019.1.00471.S | SPT2147-_a_08_TM1 | A Comprehensive View of Star Formation on 300pc Scales at z=4 from ALMA and JWST      | Spilker   | NA        | 12-m  | 8    |
| 07:30:08   | 08:53:38 | 2019.1.00931.S | Ser-emb_a_06_TM1  | Bullet-proof: methanol as a smoking gun of a dusty jet                                | Tychoniec | EU        | 12-m  | 6    |
| 05:59:39   | 07:22:35 | 2019.1.00931.S | Ser-emb_a_06_TM1  | Bullet-proof: methanol as a smoking gun of a dusty jet                                | Tychoniec | EU        | 12-m  | 6    |
| 04:07:13   | 05:16:05 | 2019.1.01641.S | Arp220_a_03_TM1   | CNO isotopes as probes of the IMF and chemical enrichment of galaxies                 | Zhang     | EU        | 12-m  | 3    |
| 02:36:36   | 04:05:28 | 2019.1.00905.S | GMP2910_a_06_TM1  | The unique ram pressure stripped tail of the Coma galaxy D100                         | Cramer    | NA        | 12-m  | 6    |
| 01:07:12   | 02:35:55 | 2019.1.00905.S | GMP2910_a_06_TM1  | The unique ram pressure stripped tail of the Coma galaxy D100                         | Cramer    | NA        | 12-m  | 6    |

**2021-05-23**

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title   | PI       | Executive | Array | Band |
|------------|----------|----------------|-------------------|---|----------|-----------|-------|------|
| 21:51:27   | 00:05:28 | 2019.1.00193.S | HD100546_a_07_TM1 | Astrochemical confirmation of a circumplanetary disk                                  | Booth    | EU        | 12-m  | 7    |
| 11:00:01   | 11:38:56 | 2019.1.00027.S | IRAS_001_a_07_TM1 | Molecular line flux ratios and buried AGNs in merging ultraluminous infrared galaxies | Imanishi | EA        | 12-m  | 7    |
| 08:38:10   | 10:05:03 | 2019.1.00195.L | 126991_a_06_TM1   | ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy    | Molinari | EA EU NA  | 12-m  | 6    |
| 07:05:36   | 08:37:59 | 2019.1.00195.L | 126991_a_06_TM1   | ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy    | Molinari | EA EU NA  | 12-m  | 6    |
| 05:47:45   | 06:56:05 | 2019.1.00195.L | 859783_a_06_TM1   | ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy    | Molinari | EA EU NA  | 12-m  | 6    |
| 04:38:32   | 05:46:52 | 2019.1.00195.L | 859783_a_06_TM1   | ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy    | Molinari | EA EU NA  | 12-m  | 6    |
| 03:11:59   | 04:38:23 | 2019.1.00195.L | 776981_a_06_TM1   | ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy    | Molinari | EA EU NA  | 12-m  | 6    |
| 02:03:05   | 03:11:48 | 2019.1.01167.S | HT_Lup_a_07_TM2   | Impact of interactions in the compact triple system HT Lup                            | Kurtovic | CL        | 12-m  | 7    |
| 01:25:08   | 01:56:06 | 2019.1.00195.L | 687568_a_06_TM1   | ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy    | Molinari | EA EU NA  | 12-m  | 6    |

**2021-05-22**

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title  | PI          | Executive | Array | Band |
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| 23:42:09   | 01:11:08 | 2019.1.01587.S | BR1202-0_a_07_TM1 | The TRICEPS survey: Tracing Rotation with Ionized Carbon in Early Primeval Systems | Lelli       | EU        | 12-m  | 7    |
| 08:16:25   | 08:43:06 | E2E8.1.00012.S | Titan_a_06_TM1    | Imaging Titan's Troposphere  | Vila Vilaro | EU        | 12-m  | 6    |
| 01:18:51   | 02:39:19 | E2E8.1.00003.S | HT_Lup_a_07_TM1   | Impact of interactions in the compact triple system HT Lup                         | Vila Vilaro | EU        | 12-m  | 7    |

**2021-05-21**

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title   | PI          | Executive | Array       | Band |
|------------|----------|----------------|-------------------|---|-------------|-----------|-------------|------|
| 22:41:05   | 23:33:09 | E2E8.1.00001.S | Antennae_a_03_TM1 | Isotope ratios as a probe of starburst ages and the stellar IMF? A critical observational test in the Antennae galaxies | Vila Vilaro | EU        | 12-m        | 3    |
| 21:06:41   | 22:12:44 | E2E8.1.00002.S | COSMOS_4_a_03_TM1 | Does molecular gas follow the motion of ionized gas inside typical high-redshift star-forming galaxies?                 | Vila Vilaro | EU        | 12-m        | 3    |
| 06:27:16   | 07:31:36 | 2018.A.00056.S | R_CrA_I_06_TP     | Core mass function and formation mechanism of very low-mass stars   | Tachihara   | EA        | Total Power | 6    |

**2021-05-20**

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
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| 11:08:10 | 11:50:17 | 2019.1.00027.S | IRAS_222_a_06_TM1 | Molecular line flux ratios and buried AGNs in merging ultraluminous infrared galaxies              | Imanishi       | EA | 12-m | 6 |
| 10:15:09 | 11:34:10 | 2019.2.00117.S | lo_a_03_7M        | Mapping the chemistry of Io's neutral clouds and plasma torus                                      | Allen          | NA | 7-m  | 3 |
| 09:51:40 | 11:04:07 | 2019.1.00219.S | W2246-05_a_04_TM1 | What is the Heating Source of the Dusty Streamers in the High Redshift Obscured Quasar W2246-0526? | González López | CL | 12-m | 4 |
| 08:54:25 | 10:14:46 | 2019.2.00169.S | eso75-g6_a_03_7M  | Molecular gas in HI eXtreme galaxies   | Lutz           | EU | 7-m  | 3 |
| 07:28:45 | 08:54:19 | 2019.1.01556.S | SDC13_a_03_7M     | On the universality of fibres in star forming filaments  | Williams       | EU | 7-m  | 3 |
| 06:47:36 | 07:27:43 | 2019.1.00685.S | l18479-0_a_03_7M  | On the origin of the dense gas star formation law in Galactic high-mass star forming clumps        | Liu            | EA | 7-m  | 3 |
| 05:19:47 | 06:45:56 | 2019.1.01556.S | SDC13_a_03_7M     | On the universality of fibres in star forming filaments  | Williams       | EU | 7-m  | 3 |
| 04:22:02 | 05:02:33 | 2019.1.00685.S | l17220-3_a_03_7M  | On the origin of the dense gas star formation law in Galactic high-mass star forming clumps        | Liu            | EA | 7-m  | 3 |

### 2021-05-19

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title   | PI                | Executive | Array | Band |
|------------|----------|----------------|-------------------|---|-------------------|-----------|-------|------|
| 10:38:50   | 11:52:39 | 2019.1.00661.S | Serenity_a_06_TM1 | Detection of [CII] in Serenity-18   | Feruglio          | EU        | 12-m  | 6    |
| 09:24:49   | 10:38:41 | 2019.1.00661.S | Serenity_a_06_TM1 | Detection of [CII] in Serenity-18   | Feruglio          | EU        | 12-m  | 6    |
| 08:10:12   | 09:22:13 | 2019.1.00672.S | J2054-00_b_08_TM1 | First 3D-Illustration of the Ionized+Neutral Gas Down to 300-pc Scale Surrounding a Super Massive Black Hole at z=6.039 | Fujimoto          | EA        | 12-m  | 8    |
| 07:15:27   | 08:45:04 | 2019.1.01781.S | CO-0.40-_a_06_7M  | Search for Self-Gravitating Cores in the Cloud-Cloud Collision Region CO-0.4  | Tanaka            | EA        | 7-m   | 6    |
| 05:45:45   | 07:15:19 | 2019.1.01781.S | CO-0.40-_a_06_7M  | Search for Self-Gravitating Cores in the Cloud-Cloud Collision Region CO-0.4  | Tanaka            | EA        | 7-m   | 6    |
| 03:23:57   | 04:28:54 | 2018.1.00699.S | IRAS_134_a_05_TM1 | Resolving Massive Molecular Outflows in a Representative Sample of Local ULIRGs   | Pereira Santaella | EU        | 12-m  | 5    |
| 02:46:22   | 04:20:16 | 2019.1.00312.S | Lupus3MM_a_06_7M  | Hall effect enabling the formation of a large Keplerian disk around the protostar Lupus 3 MMS?                          | Yen               | EA        | 7-m   | 6    |
| 02:17:11   | 03:17:43 | 2018.1.00699.S | IRAS_120_a_05_TM1 | Resolving Massive Molecular Outflows in a Representative Sample of Local ULIRGs   | Pereira Santaella | EU        | 12-m  | 5    |
| 01:20:32   | 02:46:07 | 2019.1.01251.S | Q1230+33_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    |
| 01:12:09   | 02:12:43 | 2018.1.00699.S | IRAS_120_a_05_TM1 | Resolving Massive Molecular Outflows in a Representative Sample of Local ULIRGs   | Pereira Santaella | EU        | 12-m  | 5    |

### 2021-05-18

| Start (UT) | End (UT) | Project Code   | SchedBlock        | Project Title   | PI           | Executive | Array       | Band |
|------------|----------|----------------|-------------------|---|--------------|-----------|-------------|------|
| 23:38:59   | 00:49:40 | 2019.1.01091.S | HD97048_a_06_TM2  | Revealing planet migration via dust substructures in isolated outer disks   | Perez        | CL        | 12-m        | 6    |
| 22:54:10   | 00:11:51 | 2019.1.00763.L | NGC_4501_a_06_7M  | VERTICO: The Virgo Environment Traced in CO   | Brown        | EA EU NA  | 7-m         | 6    |
| 22:27:36   | 23:37:50 | 2019.1.00347.S | Antennae_b_03_TM1 | Isotope ratios as a probe of starburst ages and the stellar IMF? A critical observational test in the Antennae galaxies | van der Werf | EU        | 12-m        | 3    |
| 18:40:06   | 19:57:40 | 2019.2.00096.S | IC443_k_06_TP     | A study of molecular clouds interacting with cosmic rays in the supernova remnant IC 443                                | Kokusho      | EA        | Total Power | 6    |
| 17:51:06   | 18:39:24 | 2019.2.00096.S | IC443_k_06_TP     | A study of molecular clouds interacting with cosmic rays in the supernova remnant IC 443                                | Kokusho      | EA        | Total Power | 6    |
| 11:28:09   | 11:46:15 | 2019.1.01197.S | PJ011646_a_03_TM2 | Probing Gas, Dust, Stars, and Star Formation Activity down to 100-pc Scales using Strong Gravitational Lensing          | Kamieneski   | NA        | 12-m        | 3    |
| 10:19:16   | 11:28:01 | 2019.1.00221.S | SDSS_J22_a_04_TM1 | Mapping the molecular gas reservoirs of recently-quenched galaxies  | Suess        | NA        | 12-m        | 4    |

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| 09:29:15 | 10:17:11 | 2019.1.00221.S | SDSS_J22_a_04_TM1 | Mapping the molecular gas reservoirs of recently-quenched galaxies  | Suess                  | NA    | 12-m | 4 |
| 08:59:24 | 09:18:31 | 2019.1.01184.S | JVAS_J19_b_03_TM1 | Clarifying CI distribution in molecular cloud by absorption observation toward compact quasars behind the Milky Way | Miyamoto               | EA    | 12-m | 3 |
| 06:05:46 | 07:44:15 | 2019.1.00362.S | IRS_44_a_07_TM1   | Revealing the presence of accretion shocks  | Artur de la Villarmois | EU    | 12-m | 7 |
| 05:42:25 | 06:04:57 | 2018.1.00659.L | KW_Sgr_a_06_TM2   | ATOMIUM: ALMA Tracing the Origins of Molecules In dUst-forming oxygen-rich M-type stars                             | Decin                  | EU NA | 12-m | 6 |
| 02:42:14 | 04:03:52 | 2019.1.01784.S | 20mJy_10_a_07_TM1 | Knocking on the door of Large Lens Samples with ALMA  | Bakx                   | EA    | 12-m | 7 |

**2021-05-17**

| <b>Start (UT)</b> | <b>End (UT)</b> | <b>Project Code</b> | <b>SchedBlock</b> | <b>Project Title</b>  | <b>PI</b> | <b>Executive</b> | <b>Array</b> | <b>Band</b> |
|-------------------|-----------------|---------------------|-------------------|---|-----------|------------------|--------------|-------------|
| 22:50:19          | 00:13:21        | 2019.1.01784.S      | 20mJy_10_a_07_TM1 | Knocking on the door of Large Lens Samples with ALMA  | Bakx      | EA               | 12-m         | 7           |
| 20:52:38          | 22:17:34        | 2019.1.01216.S      | J0910-04_b_06_TM1 | ALMA Mapping of the Most Distant Galaxy Proto-Cluster Anchored by A Luminous Quasar at z=6.63 | Yang      | NA               | 12-m         | 6           |