

**ALMA Observing Activity from 2020-03-16T17:59:00 to 2020-03-23T18:00:00**  
**QA0 pass executions**

**2020-03-16**

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
20:32:54	21:55:33	2019.2.00132.S	Seo09_a_03_7M	Spatial Distribution of COMs within a Starless Core	Scibelli	NA	7-m	3
20:35:20	20:54:08	2019.1.01809.S	3C111A_a_03_TM1	ALMA-SPONGE: the role of neutral hydrogen in diffuse interstellar chemistry	Stanimirovic	NA	12-m	3
21:32:11	22:23:57	2019.1.00708.S	B1-a_a_03_TM1	Resolving the emission of phosphorus carriers in a protosolar analog	Bergner	NA	12-m	3
22:01:20	23:25:24	2019.2.00081.S	bullet_c_a_03_7M	Extended Measurements of the Most Energetic Event in the Universe	Di Mascolo	EU	7-m	3
22:47:01	23:51:35	2019.1.00577.S	1987A_a_04_TM1	Searching for phosphorus-bearing molecules in the ejecta of supernova 1987A	Fontani	EU	12-m	4
23:25:32	00:59:59	2019.2.00081.S	bullet_c_a_03_7M	Extended Measurements of the Most Energetic Event in the Universe	Di Mascolo	EU	7-m	3

**2020-03-17**

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
00:15:47	01:23:15	2019.1.01329.S	ZF-COS-1_b_03_TM1	The physical nature of massive quenched galaxies at z>3.5	Suzuki	EA	12-m	3
01:36:20	02:43:59	2019.1.01329.S	ZF-COS-1_b_03_TM1	The physical nature of massive quenched galaxies at z>3.5	Suzuki	EA	12-m	3
01:38:33	02:59:08	2019.2.00135.S	Region7_a_03_7M	The effect of the massive stellar feedback across the Carina Nebula Complex	Rebolledo	NA	7-m	3
02:44:32	03:52:33	2019.1.01329.S	ZF-COS-1_b_03_TM1	The physical nature of massive quenched galaxies at z>3.5	Suzuki	EA	12-m	3
03:25:07	04:33:25	2019.2.00052.S	NGC3941_a_03_7M	Systematically Measuring CO emission of Double-Barred Galaxies	Wu	EA	7-m	3
03:52:39	04:47:26	2019.1.01741.S	G231.3+7_a_03_TM1	Abundance vs. IMF -- Studying CO isotopologues at z=2-3	Nesvadba	EU	12-m	3
04:47:32	05:40:04	2019.1.01741.S	G231.3+7_a_03_TM1	Abundance vs. IMF -- Studying CO isotopologues at z=2-3	Nesvadba	EU	12-m	3
05:26:33	06:46:59	2019.2.00134.S	NGC_4569_a_03_TP	An ACA Survey of Dense Gas in Nearby Galaxies	Usero	EU	Total Power	3
05:40:10	06:51:00	2019.1.00332.S	RXJ1131-b_04_TM1	First evidence for mm-wave microlensing in a strongly lensed quasar	Rybak	EU	12-m	4
06:18:26	07:33:30	2019.2.00134.S	NGC_5248_a_03_7M	An ACA Survey of Dense Gas in Nearby Galaxies	Usero	EU	7-m	3
06:47:06	08:24:38	2019.2.00093.S	G328.25-g_03_TP	Newly discovered hot core precursors: early warm-up phase and diversity	Csengeri	EU	Total Power	3
07:08:13	08:02:26	2019.1.01741.S	G045.1+6_a_03_TM1	Abundance vs. IMF -- Studying CO isotopologues at z=2-3	Nesvadba	EU	12-m	3
07:48:24	09:03:37	2019.2.00093.S	G328.25-i_03_7M	Newly discovered hot core precursors: early warm-up phase and diversity	Csengeri	EU	7-m	3
08:03:23	08:55:04	2019.1.00092.S	BrickMas_a_03_TM1	What lines trace which processes in the CMZ?	Ginsburg	NA	12-m	3
08:24:44	10:01:21	2019.2.00093.S	G328.25-g_03_TP	Newly discovered hot core precursors: early warm-up phase and diversity	Csengeri	EU	Total Power	3
08:55:11	09:46:41	2019.1.00092.S	BrickMas_a_03_TM1	What lines trace which processes in the CMZ?	Ginsburg	NA	12-m	3
09:03:44	10:18:37	2019.2.00093.S	G328.25-i_03_7M	Newly discovered hot core precursors: early warm-up phase and diversity	Csengeri	EU	7-m	3
09:46:47	10:41:14	2018.1.01205.L	IRS63_a_06_TM1	Fifty AU Study of the chemistry in the Yamamoto disk/envelope system of Solar-like protostars (FAUST)		EA EU NA	12-m	6
10:01:27	11:28:04	2019.1.01556.S	SDC13_a_03_TP	On the universality of fibres in star forming filaments	Williams	EU	Total Power	3
10:46:31	12:05:08	2019.1.00195.L	46677_a_06_TM1	ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy	Molinari	EA EU NA	12-m	6
11:28:11	12:49:48	2019.1.01556.S	SDC13_a_03_TP	On the universality of fibres in star forming filaments	Williams	EU	Total Power	3
12:33:39	12:57:56	2019.1.01184.S	J1851+00_a_06_TM1	Clarifying CI distribution in	Miyamoto	EA	12-m	6

13:08:25	14:19:49	2018.A.00056.S	R_CrA_d_06_TP	molecular cloud by absorption observation toward compact quasars behind the Milky Way Core mass function and formation mechanism of very low-mass stars	Tachihara	EA	Total Power	6
13:50:43	14:52:42	2018.1.01630.S	DCL88-77_a_03_TM1	Drilling Deeper: Resolved, cloud-scale dense gas measurements in NGC 300	Forbrich	EU	12-m	3
14:32:00	14:53:49	2019.2.00146.S	I19368_a_03_TP	Tracing the Flow into Dense Cores in High-Mass Star Forming Filaments	Lu	EA	Total Power	3
15:14:01	16:48:09	2019.2.00067.S	SPT-CLJ2_a_03_7M	A Search for Shocks in the Rare Massive Merging Cluster SPT- CLJ2031-4037	Mroczkowski	EU	7-m	3
16:48:36	17:31:06	2019.1.00411.S	SDSSJ004_a_03_TM1	Small-Scale Clustering of CO emitters around Quasars at z~4	Garcia Vergara	EU	12-m	3
18:18:07	19:43:54	2019.2.00218.S	basic19+_b_04_7M	ACA Linescan of 2 z>5 SMGs in the CDF-S	Bauer	CL	7-m	4
19:56:31	21:30:23	2019.2.00167.S	L1448-C_a_04_7M	Grain growth in the youngest protostellar envelopes: the pristine properties of star and planet-forming material	Galametz	EU	7-m	4
21:30:29	23:02:01	2019.2.00218.S	basic19+_c_04_7M	ACA Linescan of 2 z>5 SMGs in the CDF-S	Bauer	CL	7-m	4
22:00:27	23:10:26	2019.1.01329.S	ZF-UDS-8_a_03_TM1	The physical nature of massive quenched galaxies at z>3.5	Suzuki	EA	12-m	3
23:23:23	23:40:58	2019.1.00003.S	MACS0454_a_06_TM1	Breaking Cosmic Dawn with ALMA	Garcia-Appadoo	CL	12-m	6
23:41:02	00:30:07	2019.1.00663.S	J083051._a_06_TM1	Molecular outflows in luminous gravitationally lensed galaxies at z=2- 5	Butler	EU	12-m	6

## 2020-03-18

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
00:09:20	01:22:02	2019.2.00096.S	IC443_I_06_TP	A study of molecular clouds interacting with cosmic rays in the supernova remnant IC 443	Kokusho	EA	Total Power	6
00:30:13	01:19:08	2019.1.00663.S	J083051._a_06_TM1	Molecular outflows in luminous gravitationally lensed galaxies at z=2- 5	Butler	EU	12-m	6
01:23:20	02:44:33	2019.2.00062.S	Horsekne_a_06_TP	Unlocking the Potential of the Most Definitive Molecular Tracer of UV- Enhancement: I-C3H+	Lipnicky	NA	Total Power	6
01:32:01	02:13:33	2019.1.00730.S	J0925+14_a_06_TM1	The cold ISM in nearby analogs of cosmic reionization sources	Schaerer	EU	12-m	6
02:13:41	02:30:02	2019.1.00507.S	CW_Leo_b_06_TM1	Monitor 1.1mm line variability in IRC +10216 (IV).	He	CL	12-m	6
02:30:09	03:28:57	2019.A.00015.S	HD1_d_06_TM1	Having a ``Rosetta Stone" for galaxy formation studies in the early Universe	Inoue	EA	12-m	6
02:44:40	03:56:15	2019.1.00763.L	NGC_4698_a_06_TP	VERTICO: The Virgo Environment Traced in CO	Brown	EA EU NA	Total Power	6
03:37:46	04:35:57	2019.A.00015.S	HD1_c_06_TM1	Having a ``Rosetta Stone" for galaxy formation studies in the early Universe	Inoue	EA	12-m	6
04:10:00	04:36:53	2019.2.00134.S	NGC_4569_a_03_TP	An ACA Survey of Dense Gas in Nearby Galaxies	Usero	EU	Total Power	3
04:38:04	05:37:29	2019.A.00015.S	HD1_b_06_TM1	Having a ``Rosetta Stone" for galaxy formation studies in the early Universe	Inoue	EA	12-m	6
04:38:59	05:50:32	2019.1.00763.L	NGC_4698_a_06_TP	VERTICO: The Virgo Environment Traced in CO	Brown	EA EU NA	Total Power	6
05:37:36	06:10:40	2019.1.00003.S	RXJ1347_a_06_TM1	Breaking Cosmic Dawn with ALMA	Garcia-Appadoo	CL	12-m	6
05:50:38	07:21:24	2019.2.00093.S	G343.75-_i_03_TP	Newly discovered hot core precursors: early warm-up phase and diversity	Csengeri	EU	Total Power	3
06:10:46	08:03:18	2019.1.01714.S	G327.29-_a_06_TM1	Magnetic Fields in High-Mass Prestellar Cores: The Missing Piece of the Puzzle	Wu	EA	12-m	6
06:42:58	07:41:34	2019.2.00098.S	SDSS_135_a_06_7M	Triggering and supression of star formation in recent gas-rich minor mergers	Davis	EU	7-m	6
07:21:31	08:39:00	2019.1.01326.S	Position_n_06_TP	Localized Feedback Processes in the Galactic CMZ	Candelaria	NA	Total Power	6
08:08:42	09:56:43	2019.1.01714.S	G338.93-_a_06_TM1	Magnetic Fields in High-Mass Prestellar Cores: The Missing Piece of the Puzzle	Wu	EA	12-m	6

08:39:07	09:52:56	2019.1.01400.S	W28_d_06_TP	A Quest for the Formation Mechanism of Molecular Filaments	Sano	EA	Total Power	6
09:53:03	11:24:09	2019.1.01326.S	Position_m_06_TP	Localized Feedback Processes in the Galactic CMZ	Candelaria	NA	Total Power	6
09:58:03	10:35:35	2018.1.01205.L	BHB07-11_b_06_TM1	Fifty AU STudy of the chemistry in the disk/envelope system of Solar-like protostars (FAUST)	Yamamoto	EA EU NA	12-m	6
10:39:22	11:21:36	2018.1.01205.L	IRS63_b_06_TM1	Fifty AU STudy of the chemistry in the disk/envelope system of Solar-like protostars (FAUST)	Yamamoto	EA EU NA	12-m	6
11:24:15	12:30:32	2018.A.00056.S	R_CrA_g_06_TP	Core mass function and formation mechanism of very low-mass stars	Tachihara	EA	Total Power	6
11:47:53	12:19:37	2019.1.01728.S	Gaia_17b_a_06_TM1	Gaia 17bpi: the circumstellar environment of a new FU Ori-type object	Cruz-Saenz de Miera	OTHER	12-m	6
12:20:50	14:02:53	2019.1.00195.L	108933_a_06_TM1	ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy	Molinari	EA EU NA	12-m	6
12:44:01	13:49:05	2018.A.00056.S	R_CrA_g_06_TP	Core mass function and formation mechanism of very low-mass stars	Tachihara	EA	Total Power	6
13:14:24	14:44:48	2019.2.00167.S	SerpS-MM_a_04_7M	Grain growth in the youngest protostellar envelopes: the pristine properties of star and planet-forming material	Galamez	EU	7-m	4
13:51:44	14:55:42	2018.A.00056.S	R_CrA_g_06_TP	Core mass function and formation mechanism of very low-mass stars	Tachihara	EA	Total Power	6
14:18:30	14:34:55	2019.1.01709.S	4C-03.79_a_03_TM1	Probing the spectral evolution of jets with ALMA	Meyer	NA	12-m	3
14:35:59	15:38:13	2018.1.01630.S	DCL88-77_a_03_TM1	Drilling Deeper: Resolved, cloud-scale dense gas measurements in NGC 300	Forbrich	EU	12-m	3
14:53:08	16:18:05	2019.2.00027.S	W2246-05_a_04_7M	A Pilot Study of Warm Molecular Gas in High-redshift Obscured Quasars	Diaz-Santos	CL	7-m	4
15:05:53	16:09:07	2019.2.00146.S	l19220_a_03_TP	Tracing the Flow into Dense Cores in High-Mass Star Forming Filaments	Lu	EA	Total Power	3
15:48:12	16:30:17	2019.1.00411.S	SDSSJ004_a_03_TM1	Small-Scale Clustering of CO emitters around Quasars at z~4	Garcia Vergara	EU	12-m	3
16:25:26	17:47:19	2019.2.00126.S	NGC_7252_a_03_7M	Can Isotopologue Line Ratios Probe the IMF in Extremely Star-Forming Galaxies?	Brown	NA	7-m	3
16:52:48	17:55:19	2018.1.01630.S	DCL88-77_a_03_TM1	Drilling Deeper: Resolved, cloud-scale dense gas measurements in NGC 300	Forbrich	EU	12-m	3
17:49:43	19:15:20	2019.2.00218.S	basic19+_b_04_7M	ACA Linescan of 2 z>5 SMGs in the CDF-S	Bauer	CL	7-m	4
18:05:26	19:18:36	2019.1.00337.S	AS2UDS00_d_03_TM1	An efficient CO survey of sub-millimetre galaxies from AS2UDS	Smail	EU	12-m	3
19:40:37	20:52:17	2019.1.00337.S	AS2UDS00_a_03_TM1	An efficient CO survey of sub-millimetre galaxies from AS2UDS	Smail	EU	12-m	3
20:13:00	21:44:57	2019.2.00218.S	basic19+_c_04_7M	ACA Linescan of 2 z>5 SMGs in the CDF-S	Bauer	CL	7-m	4
21:19:59	22:14:07	2019.1.00708.S	B1-a_a_03_TM1	Resolving the emission of phosphorus carriers in a protosolar analog	Bergner	NA	12-m	3
21:46:04	23:09:56	2019.2.00081.S	bullet_c_a_03_7M	Extended Measurements of the Most Energetic Event in the Universe	Di Mascolo	EU	7-m	3
22:14:41	23:06:02	2019.1.00708.S	B1-a_a_03_TM1	Resolving the emission of phosphorus carriers in a protosolar analog	Bergner	NA	12-m	3
22:59:54	00:20:48	2019.2.00062.S	Horsekne_a_06_TP	Unlocking the Potential of the Most Definitive Molecular Tracer of UV-Enhancement: I-C3H+	Lipnicky	NA	Total Power	6
23:06:50	23:26:51	2019.1.00195.L	520412_a_06_TM1	ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy	Molinari	EA EU NA	12-m	6
23:11:02	00:34:10	2019.2.00081.S	bullet_c_a_03_7M	Extended Measurements of the Most Energetic Event in the Universe	Di Mascolo	EU	7-m	3

**2020-03-19**

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
00:36:04	02:04:08	2019.2.00081.S	bullet_c_a_03_7M	Extended Measurements of the	Di Mascolo	EU	7-m	3

Most Energetic Event in the Universe

01:01:29	01:50:03	2019.1.01722.S	STUDIES_a_03_TM1	Spectroscopic identification of a pilot sample of two hot dusty starbursts at z~4 hidden at 850um	Wang	EA	12-m	3
02:38:37	03:18:37	2019.1.00411.S	SDSSJ113_a_03_TM1	Small-Scale Clustering of CO emitters around Quasars at z~4	Garcia Vergara	EU	12-m	3
02:40:16	03:56:53	2019.2.00134.S	NGC_4569_a_03_TP	An ACA Survey of Dense Gas in Nearby Galaxies	Usero	EU	Total Power	3
03:04:26	04:28:56	2019.2.00135.S	Region7_a_03_7M	The effect of the massive stellar feedback across the Carina Nebula Complex	Rebolledo	NA	7-m	3
03:22:00	04:22:49	2019.1.00741.S	COLA1_a_06_TM1	The ISM properties and systemic redshift of a unique double-peaked Ly $\alpha$ emitter in the epoch of re-ionisation	Matthee	EU	12-m	6
03:57:00	05:13:08	2019.2.00134.S	NGC_4569_a_03_TP	An ACA Survey of Dense Gas in Nearby Galaxies	Usero	EU	Total Power	3
04:23:56	05:24:47	2019.1.00741.S	COLA1_a_06_TM1	The ISM properties and systemic redshift of a unique double-peaked Ly $\alpha$ emitter in the epoch of re-ionisation	Matthee	EU	12-m	6
04:29:04	05:54:18	2019.1.01251.S	Q1230+33_a_04_7M	SUPERCOLD-CGM: a high-z survey of molecular gas across the circumgalactic medium of Enormous Ly $\alpha$ Nebulae	Emonts	NA	7-m	4
05:13:15	06:29:31	2019.2.00134.S	NGC_4569_a_03_TP	An ACA Survey of Dense Gas in Nearby Galaxies	Usero	EU	Total Power	3
05:24:53	06:36:49	2019.1.00221.S	SDSS_J11_a_04_TM1	Mapping the molecular gas reservoirs of recently-quenched galaxies	Suess	NA	12-m	4
05:54:26	07:14:41	2019.2.00155.S	HerBS-15_c_04_7M	The home stretch: Completing the redshift catalogue of a large flux-limited high-redshift Herschel sample	Bakx	EA	7-m	4
06:53:17	08:06:02	2019.1.01172.S	ex_lup_a_06_TM1	Mapping mass outflows in an EXor Outburst	Hales	NA	12-m	6
07:14:48	08:32:27	2019.2.00054.S	Lupus_II_a_04_7M	Understanding the Full Disk Life Cycle and the Beginnings of Planet Formation	Ansdell	NA	7-m	4
08:02:57	09:00:26	2019.1.01326.S	Position_f_03_TP	Localized Feedback Processes in the Galactic CMZ	Candelaria	NA	Total Power	3
08:15:19	09:25:14	2019.1.01172.S	ex_lup_a_06_TM1	Mapping mass outflows in an EXor Outburst	Hales	NA	12-m	6
09:25:40	10:49:16	2019.2.00097.S	2MASS_J1_a_04_7M	Probing the physical and chemical structure of dense cores: toward understanding methanol formation	Harsono	EA	7-m	4
09:59:26	11:19:43	2019.1.00195.L	46677_a_06_TM1	ALMAGAL: ALMA Evolutionary study of High Mass Protocluster Formation in the Galaxy	Molinari	EA EU NA	12-m	6