

**ALMA Observing Activity from 2019-08-05T17:59:00 to 2019-08-12T18:00:00**  
**QA0 pass executions**

**2019-08-12**

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
12:26:54	13:17:48	2018.A.00047.S	V510_Pup_c_06_7M	Shock-induced chemistry in the CSEs of late-type stars: a pilot study	Cerrigone	NA	7-m	6
11:16:00	12:49:11	2017.1.01178.S	HL_Tau_b_07_TM1	Hot Water in HL Tau	Humphreys	EU	12-m	7
10:47:11	12:26:06	2018.1.00921.S	5MUSES_2_a_08_7M	Exploring the link between [C I] and PAHs in star-forming galaxies	Cortzen	EU	7-m	8
10:46:53	11:12:36	2018.1.00576.S	IRAS_050_a_06_TM1	ALMA survey of coronal magnetic activity of supermassive black holes in nearby Seyfert galaxies	Inoue	EA	12-m	6
10:27:24	10:46:45	2018.1.00576.S	IRAS_050_a_04_TM1	ALMA survey of coronal magnetic activity of supermassive black holes in nearby Seyfert galaxies	Inoue	EA	12-m	4
10:07:47	10:27:17	2018.1.00576.S	IRAS_050_a_03_TM1	ALMA survey of coronal magnetic activity of supermassive black holes in nearby Seyfert galaxies	Inoue	EA	12-m	3
09:07:47	10:47:05	2018.1.00921.S	5MUSES_2_a_08_7M	Exploring the link between [C I] and PAHs in star-forming galaxies	Cortzen	EU	7-m	8
08:53:16	10:04:31	2018.1.00310.S	J0420255_a_07_TM1	Hunting for Structures in Protoplanetary Disks around Very Low Mass Stars	Pinilla	NA	12-m	7
08:14:45	08:53:08	2018.1.00538.S	J0127.5+_a_06_TM1	ALMA-BASS: CND-scale molecular gas survey toward nearby luminous AGNs selected with the Swift-BAT hard X-ray survey	Izumi	EA	12-m	6
07:48:06	09:03:26	2018.A.00049.S	NGC_346_b_03_7M	ACA Observatory Project: SMC Band 3 mapping	Aglozzo	EU	7-m	3
07:12:55	08:14:35	2018.1.00113.S	NGC7465_a_07_TM1	Molecular tori in Seyfert galaxies	Garcia-Burillo	EU	12-m	7
06:31:59	07:47:56	2018.A.00049.S	NGC_346_b_03_7M	ACA Observatory Project: SMC Band 3 mapping	Aglozzo	EU	7-m	3
06:07:54	07:12:47	2018.1.00119.S	WISE2246_a_03_TM1	Constraining the Interstellar Medium Properties of the Most Luminous Galaxy Known	Diaz-Santos	CL	12-m	3
04:32:33	05:49:35	2018.1.01441.S	G19.01-0_a_06_TM1	First resolved observation of the isolated, high-mass circumstellar disk candidate G19.01-0.03	Williams	EU	12-m	6
02:51:41	04:31:05	2017.1.00114.S	Sgr_B2_D_a_06_TM1	Probing low-mass star formation in the CMZ in Sgr B2 Deep South	Ginsburg	NA	12-m	6
02:13:25	03:47:05	2017.1.01355.L	W51-E_a_06_TP	ALMA-IMF: ALMA transforms our view of the origin of stellar masses	Motte	CL EA EU NA	Total Power	6
01:28:38	02:51:33	2018.1.01055.L	IM_Lup_a_06_TM1	The Chemistry of Planet Formation	Oberg	CL EA EU NA	12-m	6
00:27:44	02:00:56	2017.1.01355.L	W51-E_a_06_TP	ALMA-IMF: ALMA transforms our view of the origin of stellar masses	Motte	CL EA EU NA	Total Power	6

**2019-08-11**

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
23:38:58	01:03:18	2018.1.01055.L	IM_Lup_a_06_TM1	The Chemistry of Planet Formation	Oberg	CL EA EU NA	12-m	6
15:50:29	16:46:36	E2E7.1.00152.S	631754_a_06_7M	SG from 2019.1.00195.L	Villard	CL	7-m	6
13:45:36	15:29:28	E2E7.1.00138.S	Sun_10_a_03_INT	SG from 2019.1.01583.S	Villard	CL	12-m	3
12:47:24	13:19:41	E2E7.1.00152.S	569314_a_06_TM1	SG from 2019.1.00195.L	Villard	CL	12-m	6
12:40:17	13:14:18	E2E7.1.00038.S	MRC_B045_a_03_7M	SGs from 2018.1.01796.S/E2E6.1.00037.S/E2E	Villard	CL	7-m	3
11:39:24	12:55:34	E2E7.1.00027.S	NGC_3059_a_03_TP	SGs from 2018.1.01171.S/E2E6.1.00045.S	Villard	CL	Total Power	3
11:31:29	12:32:28	E2E7.1.00140.S	AFGL5142_a_06_7M	Copied from 2018.1.00347.S and E2E7.1.00064.S	Villard	CL	7-m	6
10:44:56	12:33:07	E2E7.1.00048.S	red_rect_a_06_TM1	E2E from 2019.1.00153.S	van Kampen	CL	12-m	6
10:43:04	11:26:00	E2E7.1.00049.S	HCG25b_a_06_7M	E2E from 2019.1.00353.S	van Kampen	CL	7-m	6
09:24:15	10:44:49	E2E7.1.00080.S	FU_Ori_a_06_TM1	SBs from 2019.1.01707.S	Villard	CL	12-m	6
06:28:30	07:36:13	E2E7.1.00146.S	J0225-37_a_07_TM1	SBs from 2019.1.01199.S	Villard	CL	12-m	7
05:30:00	06:28:24	E2E7.1.00056.S	W2207+19_a_09_TM1	E2E from 2019.1.01055.S	van Kampen	CL	12-m	9
04:38:15	05:57:26	E2E7.1.00052.S	W51_a_06_7M	E2E from 2019.1.00777.L	van Kampen	CL	7-m	6
03:59:22	05:29:52	E2E7.1.00051.S	IRAS_190_a_09_TM1	E2E from 2019.1.00531.S	van Kampen	CL	12-m	9
03:31:20	04:38:08	E2E7.1.00054.S	SgrA_c_06_7M	E2E from 2019.1.00807.S	van Kampen	CL	7-m	6
02:23:17	03:52:08	E2E7.1.00045.S	IC_4734_a_08_TP	E2E	van Kampen	CL	Total Power	8

02:22:36	03:25:44	E2E7.1.00054.S	SgrA_b_06_7M	E2E from 2019.1.00807.S	van Kampen	CL	7-m	6
02:20:35	03:28:20	E2E7.1.00053.S	CK_Vul_a_06_TM1	E2E from 2019.1.00778.S	van Kampen	CL	12-m	6
<b>2019-08-10</b>								
Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
23:26:10	00:37:19	E2E7.1.00128.S	DHN1_a_06_TP	SBs from 2019.1.01834.S	Villard	CL	Total Power	6
22:27:42	00:04:16	E2E7.1.00152.S	853658_a_06_7M	SG from 2019.1.00195.L	Villard	CL	7-m	6
21:54:15	23:26:04	E2E7.1.00136.S	G337.70_a_03_TP	SG from 2019.1.01843.S	Villard	CL	Total Power	3
21:52:21	22:27:35	E2E7.1.00148.S	HSCJ1443_a_07_7M	SBs from 2019.1.01807.S	Villard	CL	7-m	7
21:43:43	23:01:36	E2E7.1.00078.S	2MASS_J1_a_07_TM1	SBs from 2019.1.01785.S	Villard	CL	12-m	7
20:41:10	21:31:29	E2E7.1.00050.S	ngc_5719_a_03_TM1	E2E from 2019.1.00365.S	van Kampen	CL	12-m	3
20:11:50	21:42:33	E2E7.1.00152.S	702472_a_06_7M	SG from 2019.1.00195.L	Villard	CL	7-m	6
19:50:28	20:41:04	E2E7.1.00050.S	ngc_5719_a_03_TM1	E2E from 2019.1.00365.S	van Kampen	CL	12-m	3
18:51:48	19:50:16	E2E7.1.00149.S	UVSITA-Y_a_04_TM1	SBs from 2019.1.00009.S	Villard	CL	12-m	4
18:46:26	20:11:36	E2E7.1.00137.S	Mcl300-b_03_7M	SGs from 2019.1.01836.S	Villard	CL	7-m	3
18:15:44	18:24:25	E2E7.1.00139.S	Sun_10_a_03_TP	SG from 2019.1.01762.S	Villard	CL		3
18:06:56	18:15:41	E2E7.1.00139.S	Sun_10_a_03_TP	SG from 2019.1.01762.S	Villard	CL		3
17:58:12	18:06:50	E2E7.1.00139.S	Sun_10_a_03_TP	SG from 2019.1.01762.S	Villard	CL		3
17:49:27	17:58:06	E2E7.1.00139.S	Sun_10_a_03_TP	SG from 2019.1.01762.S	Villard	CL		3
17:40:04	17:49:21	E2E7.1.00139.S	Sun_10_a_03_TP	SG from 2019.1.01762.S	Villard	CL		3
17:19:15	18:32:13	E2E7.1.00139.S	Sun_10_a_03_INT	SG from 2019.1.01762.S	Villard	CL	12-m	3
16:14:49	16:30:28	E2E7.1.00135.S	Sun2_B7_a_07_TP	SGs of 2019.1.01532.S	Villard	CL		7
15:59:07	16:14:43	E2E7.1.00135.S	Sun1_B7_a_07_TP	SGs of 2019.1.01532.S	Villard	CL		7
14:55:23	14:55:23	E2E7.1.00135.S	Sun1_B7_a_07_TP	SGs of 2019.1.01532.S	Villard	CL		7
02:35:42	02:35:42	E2E7.1.00010.S	G28_a_06_TM1	SGs from 2018.1.00299.S/E2E6.1.00028.S	Villard	CL	12-m	6
02:28:08	02:28:08	E2E7.1.00057.S	IRAS_185_a_06_TP	E2E from 2019.1.01056.S	van Kampen	CL	Total Power	6
02:05:14	02:05:14	E2E7.1.00054.S	SgrA_a_06_7M	E2E from 2019.1.00807.S	van Kampen	CL	7-m	6
01:48:16	01:48:16	E2E7.1.00053.S	CK_Vul_a_06_TM2	E2E from 2019.1.00778.S	van Kampen	CL	12-m	6

**2019-08-09**

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
11:27:09	12:27:59	2018.1.01647.S	NGC_2264_a_06_TM1	Origin of Striking Difference of Spectral Line Richness in Intermediate-Mass Binary	Watanabe	EA	12-m	6
11:06:39	12:14:13	2018.A.00047.S	R_Hor_e_03_7M	Shock-induced chemistry in the CSEs Cerrigone of late-type stars: a pilot study		NA	7-m	3
09:44:52	10:34:43	2018.1.01461.S	SVS13-A_a_06_TM1	Water deuteration and abundance on a Solar System scale in the Class I source SVS13-A	Bianchi	EU	12-m	6
09:31:44	11:06:31	2018.1.00934.S	IC348_Pe_a_06_7M	The temperature-multiplicity relation with ALMA	Murillo	EU	7-m	6
05:13:38	05:30:52	2018.1.00597.S	SDSS_J23_a_06_TM1	Sub-kpc Imaging of the Star-forming Gas in two [C II] luminous Quasar Host Galaxies at $z \sim 6$	Shao	OTHER	12-m	6
04:28:37	05:31:13	2018.A.00049.S	NGC_346_b_03_7M	ACA Observatory Project: SMC Band 3 mapping	Agliozzo	EU	7-m	3
04:17:24	05:07:14	2018.1.00397.S	NGC7052_a_06_TM1	WISDOM: Measuring High-mass Supermassive Black Holes using CO Kinematics	Smith	EU	12-m	6
02:56:42	04:09:21	2018.1.01014.S	G14.33_a_06_TM1	Two's company: Pairs of Keplerian discs at the heart of two massive protoclusters	Cyganowski	EU	12-m	6

**2019-08-08**

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
14:33:20	15:33:35	2018.A.00047.S	iras_071_b_06_7M	Shock-induced chemistry in the CSEs of late-type stars: a pilot study	Cerrigone	NA	7-m	6
13:25:03	14:17:10	2018.A.00047.S	iras_065_d_06_7M	Shock-induced chemistry in the CSEs of late-type stars: a pilot study	Cerrigone	NA	7-m	6
12:33:02	13:24:54	2018.A.00047.S	iras_065_c_06_7M	Shock-induced chemistry in the CSEs of late-type stars: a pilot study	Cerrigone	NA	7-m	6
12:26:21	13:55:22	2018.1.01055.L	MWC_480_b_06_TM1	The Chemistry of Planet Formation	Oberg	CL EA EU NA	12-m	6
10:41:20	12:20:33	2018.1.00921.S	5MUSES_2_a_08_7M	Exploring the link between [C I] and PAHs in star-forming galaxies	Cortzen	EU	7-m	8

10:28:07	11:56:43	2018.1.00717.S	SN_1987A_a_06_TM1	High angular resolution molecular and dust images of Supernova 1987A	Matsuura	EU	12-m	6
09:48:41	10:27:59	2018.1.01829.S	AA_Tau_b_06_TM1	Direct Measurement of Inner and Outer Disk Misalignment	Loomis	NA	12-m	6
08:33:59	09:48:33	2018.1.01488.S	NGC1377_a_03_TM1	A 150-pc Precessing Molecular Jet in the S0 Galaxy NGC1377: Outburst from an Accreting SMBH II	Aalto	EU	12-m	3
08:27:05	10:06:26	2018.1.00921.S	5MUSES_2_a_08_7M	Exploring the link between [CI] and PAHs in star-forming galaxies	Cortzen	EU	7-m	8
08:14:28	08:33:50	2017.1.00904.S	MRK567_a_06_TM1	WISDOM: Measuring High-mass Supermassive Black Holes using CO Kinematics	Smith	EU	12-m	6
07:17:59	07:47:31	2018.1.01008.S	PSSJ2322_a_04_TM1	Gravitational lenses as cosmic telescopes: Resolving AGN feedback on 100-pc scales at z~3	Stacey	EU	12-m	4
06:41:47	08:18:08	2018.1.01142.S	SGASJ003_a_07_7M	Exploring the molecular gas and continuum emission in giant gravitational arcs	González López	CL	7-m	7
05:50:01	07:17:51	2018.1.00597.S	SDSS_J23_a_04_TM1	Sub-kpc Imaging of the Star-forming Gas in two [C II] luminous Quasar Host Galaxies at z ~ 6	Shao	OTHER	12-m	4
05:34:32	06:33:09	2018.1.01142.S	SGASJ003_a_07_7M	Exploring the molecular gas and continuum emission in giant gravitational arcs	González López	CL	7-m	7
05:04:15	05:45:55	2018.1.00597.S	SDSS_J23_a_06_TM1	Sub-kpc Imaging of the Star-forming Gas in two [C II] luminous Quasar Host Galaxies at z ~ 6	Shao	OTHER	12-m	6
02:46:42	04:14:03	2018.1.01538.S	G353.273_a_07_TM1	Testing the gravitationally stability toward the innermost accretion system in high mass star-formation	Motogi	EA	12-m	7

### 2019-08-07

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
21:10:41	22:33:46	2018.1.00007.S	SN1996cr_a_08_7M	An ACA Spectral Sampling Campaign of SN1996cr.	Bauer	CL	7-m	8
19:36:37	21:03:16	2018.1.01290.S	NGC3627_a_08_7M	Is [CI] emission a reliable molecular gas tracer in galactic disks?	Liu	EU	7-m	8
16:30:49	16:50:03	2016.1.01144.S	MonR2_a_03_TP_new	Infall and outflow in a filamentary hub	Treviño-Morales	EU	Total Power	3
15:33:31	16:26:29	2018.A.00047.S	iras_085_e_06_7M	Shock-induced chemistry in the CSEs of late-type stars: a pilot study	Cerrigone	NA	7-m	6
15:17:07	16:30:28	2016.1.01144.S	MonR2_b_03_TP_new	Infall and outflow in a filamentary hub	Treviño-Morales	EU	Total Power	3
14:03:37	15:16:58	2016.1.01144.S	MonR2_b_03_TP_new	Infall and outflow in a filamentary hub	Treviño-Morales	EU	Total Power	3
13:39:02	15:22:27	2018.1.01334.S	4C41.17_a_08_7M	Carbon physics across the molecular cluster medium in 4C 41.17 (z=3.8)	Emonts	NA	7-m	8
11:44:19	13:20:29	2018.1.00921.S	5MUSES_5_a_08_7M	Exploring the link between [CI] and PAHs in star-forming galaxies	Cortzen	EU	7-m	8
09:44:21	10:57:25	2016.1.01144.S	MonR2_b_03_TP_new	Infall and outflow in a filamentary hub	Treviño-Morales	EU	Total Power	3
08:32:19	10:32:58	2018.1.01031.S	SNR1E010_a_08_7M	Revealing dust processing in the young supernova remnant 1E\,0102.2-72129 in the SMC	Vogt	EU	7-m	8
05:23:03	06:45:11	2018.1.01259.S	BGPS6029_b_06_TP	Probing the Structure and Chemistry of Previously Unexplored Giant Molecular Clouds	Wilkins	NA	Total Power	6
02:07:03	03:45:09	2017.1.01355.L	W51-E_a_06_TP	ALMA-IMF: ALMA transforms our view of the origin of stellar masses	Motte	CL EA EU NA	Total Power	6
00:37:31	02:36:04	2018.1.00318.S	PDR_in_O_a_08_7M	Revealing the overall picture of carbon atoms in the ideal plane-parallel PDR Oph-A	Yamagishi	EA	7-m	8

### 2019-08-06

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
21:33:08	22:47:29	2018.1.00862.S	G5_a_06_TP	Perfect Twins? Excited Molecular Gas Clumps Symmetric to Sgr A*	Ott	NA	Total Power	6
21:04:03	22:43:54	2018.1.00007.S	SN1996cr_a_08_7M	An ACA Spectral Sampling Campaign of SN1996cr.	Bauer	CL	7-m	8

20:18:06	21:29:06	2018.1.00697.S	Nessie_F_e_03_TP	Do spiral-arm clouds fragment dynamically or gravitationally?	Hacar	EU	Total Power	3
19:37:32	21:03:54	2018.1.01290.S	NGC3627_a_08_7M	Is [CII] emission a reliable molecular gas tracer in galactic disks?	Liu	EU	7-m	8
15:11:04	16:02:00	2018.A.00047.S	iras_085_d_06_7M	Shock-induced chemistry in the CSEs of late-type stars: a pilot study	Cerrigone	NA	7-m	6
13:58:24	15:17:44	2016.1.01144.S	MonR2_c_03_TP_new	Infall and outflow in a filamentary hub	Treviño-Morales	EU	Total Power	3
12:43:04	13:36:59	2018.A.00047.S	iras_065_e_06_7M	Shock-induced chemistry in the CSEs of late-type stars: a pilot study	Cerrigone	NA	7-m	6
07:09:54	09:10:46	2018.1.01031.S	SNR1E010_a_08_7M	Revealing dust processing in the young supernova remnant 1E\,0102.2-72129 in the SMC	Vogt	EU	7-m	8
00:36:36	02:09:43	2017.1.01355.L	W51-E_a_06_TP	ALMA-IMF: ALMA transforms our view of the origin of stellar masses	Motte	CL EA EU NA	Total Power	6

## 2019-08-05

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
22:49:56	00:23:45	2017.1.01355.L	G010.62_a_06_TP	ALMA-IMF: ALMA transforms our view of the origin of stellar masses	Motte	CL EA EU NA	Total Power	6
22:43:14	00:23:04	2018.1.00007.S	SN1996cr_a_08_7M	An ACA Spectral Sampling Campaign of SN1996cr.	Bauer	CL	7-m	8
21:49:08	22:49:49	2018.1.00318.S	PDR_in_O_a_08_TP	Revealing the overall picture of carbon atoms in the ideal plane-parallel PDR Oph-A	Yamagishi	EA	Total Power	8
21:02:55	22:42:35	2018.1.00007.S	SN1996cr_a_08_7M	An ACA Spectral Sampling Campaign of SN1996cr.	Bauer	CL	7-m	8
19:16:58	20:43:36	2018.1.01290.S	NGC3627_a_08_7M	Is [CII] emission a reliable molecular gas tracer in galactic disks?	Liu	EU	7-m	8