ALMA Observing Activity from 2017-12-25T17:59:00 to 2018-01-01T18:00:00
QA0 pass executions

2018-01-01

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
16:26:37	17:21:17	2017.1.01682.S	HD_16329_b_03_TM1	Measuring dust segregation across the rings of HD163296	Guidi	EU	12-m	3
15:35:23	16:56:48	2017.1.01565.S	IRAS_162_b_06_7M	A comprehensive inventory of nitrogen isotopic ratios in a nascent solar system	Wampfler	EU	7-m	6
15:32:23	16:15:46	2017.1.01355.L	G338.93_a_03_TM1	ALMA-IMF: ALMA transforms our view of the origin of stellar masses	Motte	CL EA EU NA	12-m	3
14:33:34	15:15:15	2017.1.01355.L	G337.92_a_03_TM1	ALMA-IMF: ALMA transforms our view of the origin of stellar masses	Motte	CL EA EU NA	12-m	3
14:05:49	15:35:17	2017.1.01355.L	G333.60_a_06_7M	ALMA-IMF: ALMA transforms our view of the origin of stellar masses	Motte	CL EA EU NA	7-m	6
13:41:22	14:32:39	2017.1.01527.S	3C_318_a_04_TM1	Searching for feedback with 3D multi-phase interstellar medium study in z~2 quasar host galaxies	Vayner	NA	12-m	4
12:23:41	13:24:04	2016.1.01430.S	sgra_sta_a_07_TM1	Proper Motions of Gas in the Immediate Vicinity of the Galactic Supermassive Black Hole	Ho	NA	12-m	7
12:01:11	13:55:25	2017.1.00377.S	G337.92-_a_07_7M	Exploring the mid-IR SED of high-mass YSOs	Leurini	EU	7-m	7
11:27:02	12:48:33	2017.1.00886.L	NGC5134_a_06_TP	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	Total Power	6
11:08:44	12:10:29	2017.1.00236.S	ngc_4968_a_06_TM1	Feeding and feedback in an unbiased and representative sample of AGN in the local Universe	Malkan	NA	12-m	6
10:25:45	11:50:32	2017.1.00886.L	NGC4654_a_06_7M	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	7-m	6
09:53:01	11:14:37	2017.1.00886.L	NGC4457_a_06_TP	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	Total Power	6
09:51:36	10:54:54	2017.1.00236.S	Mrk1333_a_06_TM1	Feeding and feedback in an unbiased and representative sample of AGN in the local Universe	Malkan	NA	12-m	6
09:00:39	10:25:34	2017.1.00886.L	NGC4654_a_06_7M	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	7-m	6
08:48:16	09:51:27	2017.1.00236.S	Mrk1333_a_06_TM1	Feeding and feedback in an unbiased and representative sample of AGN in the local Universe	Malkan	NA	12-m	6
07:40:18	08:48:09	2017.1.00236.S	ngc_3976_a_06_TM1	Feeding and feedback in an unbiased and representative sample of AGN in the local Universe	Malkan	NA	12-m	6
07:18:51	08:44:06	2017.1.00886.L	NGC3626_a_06_TP	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	Total Power	6
06:52:47	07:40:08	2017.1.00964.S	NGC3504_a_06_TM2	Weighing Black Hole Masses in Low-Mass Galaxies	Nguyen	NA	12-m	6
06:36:36	07:59:28	2017.1.00297.S	PG1119+1_a_06_7M	An ALMA-ACA Survey of CO(2-1) in PG QSOs	Bauer	CL	7-m	6
06:29:01	06:52:40	2017.1.00912.S	hh901_a_06_TM1	Protoplanetary Disks in the Hostile Environment of Carina	Ho	EA	12-m	6
06:05:14	06:28:49	2017.1.00912.S	hh900_a_06_TM1	Protoplanetary Disks in the Hostile Environment of Carina	Ho	EA	12-m	6
05:40:54	06:05:00	2017.1.00912.S	hh1066_a_06_TM1	Protoplanetary Disks in the Hostile Environment of Carina	Ho	EA	12-m	6
05:29:52	06:36:25	2017.1.01158.S	12376487_c_06_7M	ACA Study on the Driving Mechanisms of Starburst and Main-Sequence Star Formation in Local Galaxies	Yamashita	EA	7-m	6
04:18:30	05:28:41	2017.1.01102.S	NGC_2024_a_06_TM1	The Initial Conditions of Planet Formation in the Youngest Rich	Mann	NA	12-m	6

				Cluster				
03:08:49	04:18:16	2017.1.01102.S	NGC_2024_a_06_TM1	The Initial Conditions of Planet Formation in the Youngest Rich Cluster	Mann	NA	12-m	6
01:48:11	02:21:28	2017.1.00595.S	R_Dor_a_06_7M	DEATH STAR: DEtermining Accurate mass-loss rates of THermally pulsing AGB STARs	Ramstedt	EU	7-m	6
01:13:24	02:29:30	2016.1.00023.S	NGC1068_a_06_TM1	In search of the high HCN/HCO+ ratio origin in AGNs: SiO imagings of Seyfert galaxies down to 15-30 pc scales	Taniguchi	EA	12-m	6
00:49:57	01:22:26	2017.1.01158.S	12376499_a_06_7M	ACA Study on the Driving Mechanisms of Starburst and Main-Sequence Star Formation in Local Galaxies	Yamashita	EA	7-m	6
00:19:22	01:02:07	2017.1.00280.S	CSS14092_a_03_TM1	A Direct Test of the Possible Connection Between Fast Radio Bursts and Superluminous Supernovae	Berger	NA	12-m	3

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Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
22:30:00	00:01:57	2017.1.00461.S	GMC-8_a_06_7M	Revealing the roles of filamentary clouds in GMC evolution of M33	Muraoka	EA	7-m	6
22:10:24	23:33:05	2017.1.01425.S	3C_454.3_a_04_TM1	Probing the magneto-ionic medium at the jet base in AGN through Faraday rotation	Savolainen	EU	12-m	4
20:53:32	22:10:13	2017.1.01425.S	3C_454.3_a_04_TM1	Probing the magneto-ionic medium at the jet base in AGN through Faraday rotation	Savolainen	EU	12-m	4
19:39:27	20:23:04	2017.1.00886.L	IC5273_a_06_TP	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	Total Power	6
19:28:22	20:53:24	2017.1.01425.S	3C_454.3_a_04_TM1	Probing the magneto-ionic medium at the jet base in AGN through Faraday rotation	Savolainen	EU	12-m	4
18:26:02	19:01:20	2017.1.00999.S	CK_Vul_c_04_TM1	Complex molecules and rare isotopes in Nova 1670	Kaminski	NA	12-m	4
18:11:53	19:33:17	2017.1.00886.L	IC5273_a_06_TP	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	Total Power	6
17:31:42	18:57:56	2017.1.01355.L	W43-MM3_a_03_7M	ALMA-IMF: ALMA transforms our view of the origin of stellar masses	Motte	CL EA EU NA	7-m	3
16:46:43	17:21:32	2017.1.00999.S	CK_Vul_d_04_TM1	Complex molecules and rare isotopes in Nova 1670	Kaminski	NA	12-m	4
16:14:22	16:46:33	2017.1.00999.S	CK_Vul_f_04_TM1	Complex molecules and rare isotopes in Nova 1670	Kaminski	NA	12-m	4
16:09:12	17:31:34	2017.1.01355.L	W43-MM3_a_03_7M	ALMA-IMF: ALMA transforms our view of the origin of stellar masses	Motte	CL EA EU NA	7-m	3
15:31:18	18:00:44	2016.1.01346.S	AGAL015._a_06_TP	Galactic Census of All Massive Starless Cores within 5 kpc	Pillai	EU	Total Power	6
15:02:59	16:14:11	2017.1.01355.L	G010.62_a_03_TM1	ALMA-IMF: ALMA transforms our view of the origin of stellar masses	Motte	CL EA EU NA	12-m	3
14:20:24	14:48:58	2016.1.01036.S	NGC_6334_a_06_TM2	The formation of high-mass binary systems by core/disk fragmentation	Sanhueza	EA	12-m	6
14:03:30	15:57:39	2017.1.00377.S	G337.92-_a_07_7M	Exploring the mid-IR SED of high-mass YSOs	Leurini	EU	7-m	7
13:04:40	14:18:28	2016.1.01430.S	sgra_sta_b_07_TM1	Proper Motions of Gas in the Immediate Vicinity of the Galactic Supermassive Black Hole	Ho	NA	12-m	7
12:49:58	15:20:33	2016.1.01346.S	AGAL350._a_06_TP	Galactic Census of All Massive Starless Cores within 5 kpc	Pillai	EU	Total Power	6
11:55:02	13:13:59	2017.1.01565.S	IRAS_162_c_06_7M	A comprehensive inventory of nitrogen isotopic ratios in a nascent solar system	Wampfler	EU	7-m	6
11:48:15	12:52:44	2017.1.00082.S	NGC5643_a_07_TM1	Molecular tori in Seyfert galaxies	Garcia-Burillo	EU	12-m	7
10:42:48	11:46:24	2017.1.00082.S	NGC5506_a_07_TM1	Molecular tori in Seyfert galaxies	Garcia-Burillo	EU	12-m	7
09:34:51	10:59:40	2017.1.00886.L	NGC5248_b_06_7M	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	7-m	6

09:24:04	10:23:11	2017.1.00082.S	NGC4941_a_07_TM1	Molecular tori in Seyfert galaxies	Garcia-Burillo	EU	12-m	7
08:35:04	10:00:33	2017.1.00886.L	NGC3626_a_06_TP	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	Total Power	6
08:26:33	09:23:49	2017.1.00082.S	NGC4388_a_07_TM1	Molecular tori in Seyfert galaxies	Garcia-Burillo	EU	12-m	7
08:11:54	09:34:38	2017.1.00886.L	NGC4536_a_06_7M	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	7-m	6
07:36:14	08:21:45	2017.1.01460.S	hp_cha_a_06_TM2	Probing transitional disks with a gap of the Solar-system's planetary orbital radii	Hashimoto	EA	12-m	6
06:52:19	07:36:02	2017.1.00022.S	IRAS_085_a_07_TM1	AGN feedback and molecular line flux ratios in luminous infrared galaxies	Imanishi	EA	12-m	7
06:45:39	08:09:08	2017.1.00297.S	PG1126-0_a_06_7M	An ALMA-ACA Survey of CO(2-1) in PG QSOs	Bauer	CL	7-m	6
05:56:02	06:41:15	2017.1.01572.S	4C+29.30_a_06_7M	ALMA Observations of Resolved Extragalactic Jets in a Critically Unsampled Spectral Window	Meyer	NA	7-m	6
05:25:38	06:20:27	2017.1.00236.S	ngc_2992_a_06_TM1	Feeding and feedback in an unbiased and representative sample of AGN in the local Universe	Malkan	NA	12-m	6
04:59:58	05:23:50	2017.1.00712.S	HH_212_a_06_TM2	Size Distribution of Dust Grains in the Young Edge-On Protostellar Disk of HH 212	Lee	NA	12-m	6
03:42:33	04:44:43	2017.1.00480.S	MC27_b_06_TM2	Spatially resolved observations toward a ~10AU disk around a Very Low-Luminosity object in Taurus	Tokuda	EA	12-m	6
03:02:09	03:41:26	2017.1.01439.S	J0444+28_a_06_TM1	IBISCO-south: mapping feeding and feedback in an unbiased sample of local AGN	Feruglio	EU	12-m	6
01:49:48	03:01:17	2017.1.01107.S	FP_Tau_a_06_TM1	The chemistry of M dwarf protoplanetary disks	Oberg	NA	12-m	6
00:20:34	01:31:29	2017.1.01659.S	EIS_J033_a_04_TM1	Resolved distribution and dynamics of molecular gas of a distant spiral galaxy	Chemin	CL	12-m	4

2017-12-30

Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
21:27:15	22:41:44	2017.1.00471.S	XCS2215__a_03_TM1	Gas kinematics of galaxies infalling into a massive galaxy cluster at z=1.46	Hayashi	EA	12-m	3
15:29:48	15:55:57	2017.1.01355.L	G327.29_a_03_TM1	ALMA-IMF: ALMA transforms our view of the origin of stellar masses	Motte	CL EA EU NA	12-m	3
14:36:09	15:28:43	2017.1.01527.S	4c22.44_a_04_TM1	Searching for feedback with 3D multi-phase interstellar medium study in z~2 quasar host galaxies	Vayner	NA	12-m	4
14:22:06	15:43:41	2017.1.01565.S	IRAS_162_c_06_7M	A comprehensive inventory of nitrogen isotopic ratios in a nascent solar system	Wampfler	EU	7-m	6
13:28:59	16:00:25	2016.1.01346.S	AGAL350._a_06_TP	Galactic Census of All Massive Starless Cores within 5 kpc	Pillai	EU	Total Power	6
12:52:06	14:07:07	2017.1.01076.S	SSTc2dJ1_a_06_TM1	A Protoplanet Interacting with an Edge-on Circumstellar Disk	Stapelfeldt	NA	12-m	6
11:32:43	12:29:13	2017.1.00236.S	TOL1238-_a_06_TM1	Feeding and feedback in an unbiased and representative sample of AGN in the local Universe	Malkan	NA	12-m	6
10:31:45	11:26:51	2017.1.00236.S	TOL1238-_a_06_TM1	Feeding and feedback in an unbiased and representative sample of AGN in the local Universe	Malkan	NA	12-m	6
09:46:40	11:08:18	2017.1.00886.L	NGC4457_a_06_TP	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	Total Power	6
09:39:39	10:13:16	2017.1.01687.S	MP_Mus_a_04_TM1	Characterizing the solar nebula analog MP Mus	Ribas	NA	12-m	4
09:01:27	10:24:58	2017.1.00815.S	NGC_4321_a_03_7M	A Wide, Deep Dense Gas Map of M100 to Connect Extragalactic and Galactic Dense Gas Results	Gallagher	NA	7-m	3
08:37:43	09:39:27	2017.1.01318.S	SDSS_J13_a_04_TM1	Resolving molecular gas in ultra-compact starburst galaxies with	Geach	EU	12-m	4

				extreme outflows				
08:33:20	09:46:29	2017.1.00815.S	NGC_4321_a_03_TP	A Wide, Deep Dense Gas Map of M100 to Connect Extragalactic and Galactic Dense Gas Results	Gallagher	NA	Total Power	3
07:37:44	09:01:16	2017.1.00815.S	NGC_4321_a_03_7M	A Wide, Deep Dense Gas Map of M100 to Connect Extragalactic and Galactic Dense Gas Results	Gallagher	NA	7-m	3
07:19:33	08:33:12	2017.1.00815.S	NGC_4321_a_03_TP	A Wide, Deep Dense Gas Map of M100 to Connect Extragalactic and Galactic Dense Gas Results	Gallagher	NA	Total Power	3
07:17:55	08:24:26	2017.1.01662.S	2013_FY2_a_03_TM1	Measuring the Size of a Newly Discovered Dwarf Planet	Sheppard	NA	12-m	3
06:05:38	07:37:32	2017.1.00474.S	TUKH122_a_06_7M	Multiple star formation of a starless core in the Orion A cloud	Ohashi	EA	7-m	6
06:05:01	07:19:26	2017.1.01363.S	30_Dor_C_b_03_TP	Revealing the Shock-interacting Molecular Gas toward the Magellanic Superbubble 30 Doradus C	Yamane	EA	Total Power	3
05:56:03	06:56:03	2017.1.01214.S	PJ084648_a_03_TM1	ALMA Study of the Hyperluminous SMGs Identified from Planck All-Sky Survey	Yun	NA	12-m	3
04:53:08	05:53:23	2017.1.01214.S	PJ084648_a_03_TM1	ALMA Study of the Hyperluminous SMGs Identified from Planck All-Sky Survey	Yun	NA	12-m	3
04:32:44	05:54:39	2017.1.01363.S	30_Dor_C_a_03_7M	Revealing the Shock-interacting Molecular Gas toward the Magellanic Superbubble 30 Doradus C	Yamane	EA	7-m	3
03:34:45	04:43:59	2017.1.00248.S	NGC1300__a_03_TM1	MOLECULAR CLOUDS AND STAR FORMATION IN BAR OF NGC1300	Maeda	EA	12-m	3
02:24:54	03:34:35	2017.1.00248.S	NGC1300__a_03_TM1	MOLECULAR CLOUDS AND STAR FORMATION IN BAR OF NGC1300	Maeda	EA	12-m	3
01:46:03	03:12:34	2017.1.00093.S	YSO01_a_03_7M	Evolution of molecular clouds associated with O-type YSOs in giant molecular clouds in the LMC	Onishi	EA	7-m	3
01:05:03	02:06:52	2017.1.00582.S	R_Dor_a_03_TM1	Phosphorous chemistry in the winds of R Dor and IK Tau	De Beck	EU	12-m	3
00:25:40	01:03:49	2017.1.00280.S	LSQ12dlf_a_03_TM1	A Direct Test of the Possible Connection Between Fast Radio Bursts and Superluminous Supernovae	Berger	NA	12-m	3
00:10:24	01:12:58	2017.1.01158.S	12376570_a_06_7M	ACA Study on the Driving Mechanisms of Starburst and Main-Sequence Star Formation in Local Galaxies	Yamashita	EA	7-m	6
00:04:20	00:24:32	2017.1.01235.S	IRASF013_a_03_TM2	High Resolution Survey of the Gas and Dust Distribution in Nearby Luminous Infrared Galaxies	Barcos-Munoz	NA	12-m	3

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Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
23:00:33	23:58:23	2017.1.01214.S	PJ030510_a_03_TM1	ALMA Study of the Hyperluminous SMGs Identified from Planck All-Sky Survey	Yun	NA	12-m	3
22:41:52	00:05:46	2017.1.01158.S	VV642_a_06_TP	ACA Study on the Driving Mechanisms of Starburst and Main-Sequence Star Formation in Local Galaxies	Yamashita	EA	Total Power	6
22:38:18	00:10:16	2017.1.00931.S	B1-2_SE_a_06_7M	From Beginning to End -- Star Formation and Molecular Cloud Evolution in the Small Magellanic Cloud	Johnson	NA	7-m	6
22:04:21	22:48:03	2017.1.00280.S	OGLE15sd_a_03_TM1	A Direct Test of the Possible Connection Between Fast Radio Bursts and Superluminous Supernovae	Berger	NA	12-m	3
20:49:15	22:04:08	2017.1.00471.S	XCS2215__a_03_TM1	Gas kinematics of galaxies infalling into a massive galaxy cluster at z=1.46	Hayashi	EA	12-m	3
10:37:17	11:43:51	2017.1.01232.S	Cloverle_a_03_TM1	Spectral line survey in the rest-frame 350 GHz band toward the Cloverleaf quasar	Nishimura	EA	12-m	3
10:13:10	10:36:09	2017.1.01214.S	PJ132217_a_03_TM1	ALMA Study of the Hyperluminous SMGs Identified from Planck All-Sky Survey	Yun	NA	12-m	3

10:09:06	10:31:58	2017.1.00815.S	NGC_4321_a_03_TP	A Wide, Deep Dense Gas Map of M100 to Connect Extragalactic and Galactic Dense Gas Results	Gallagher	NA	Total Power	3
09:06:17	10:29:24	2017.1.00815.S	NGC_4321_a_03_7M	A Wide, Deep Dense Gas Map of M100 to Connect Extragalactic and Galactic Dense Gas Results	Gallagher	NA	7-m	3
09:05:38	10:03:19	2017.1.00775.S	A1689-zD_a_03_TM1	Mapping all phases of the ISM in a normal reionisation-epoch galaxy	Watson	EU	12-m	3
08:55:42	10:08:59	2017.1.00815.S	NGC_4321_a_03_TP	A Wide, Deep Dense Gas Map of M100 to Connect Extragalactic and Galactic Dense Gas Results	Gallagher	NA	Total Power	3
07:57:12	09:04:01	2017.1.01662.S	2013_FY2_a_03_TM1	Measuring the Size of a Newly Discovered Dwarf Planet	Sheppard	NA	12-m	3
07:42:52	09:06:09	2017.1.00815.S	NGC_4321_a_03_7M	A Wide, Deep Dense Gas Map of M100 to Connect Extragalactic and Galactic Dense Gas Results	Gallagher	NA	7-m	3
07:42:25	08:55:32	2017.1.00815.S	NGC_4321_a_03_TP	A Wide, Deep Dense Gas Map of M100 to Connect Extragalactic and Galactic Dense Gas Results	Gallagher	NA	Total Power	3
06:47:59	07:56:58	2017.1.01099.S	cosclust_a_03_TM1	Witnessing the onset of environmental quenching in the most distant X-ray cluster at z = 2.51	Wang	EA	12-m	3
06:14:28	07:28:36	2017.1.01363.S	30_Dor_C_b_03_TP	Revealing the Shock-interacting Molecular Gas toward the Magellanic Superbubble 30 Doradus C	Yamane	EA	Total Power	3
05:59:36	07:21:15	2017.1.01363.S	30_Dor_C_a_03_7M	Revealing the Shock-interacting Molecular Gas toward the Magellanic Superbubble 30 Doradus C	Yamane	EA	7-m	3
05:25:38	06:46:48	2017.1.01313.S	Orion_b_03_TM1	A new window on high-energy processes in Young Stellar Objects: millimeter-wavelength flares in Orion	Forbrich	EU	12-m	3
04:58:47	06:13:07	2017.1.01363.S	30_Dor_C_b_03_TP	Revealing the Shock-interacting Molecular Gas toward the Magellanic Superbubble 30 Doradus C	Yamane	EA	Total Power	3
04:37:45	05:59:26	2017.1.01363.S	30_Dor_C_a_03_7M	Revealing the Shock-interacting Molecular Gas toward the Magellanic Superbubble 30 Doradus C	Yamane	EA	7-m	3
04:03:43	05:24:40	2017.1.01313.S	Orion_b_03_TM1	A new window on high-energy processes in Young Stellar Objects: millimeter-wavelength flares in Orion	Forbrich	EU	12-m	3
03:44:07	04:58:36	2017.1.01363.S	30_Dor_C_b_03_TP	Revealing the Shock-interacting Molecular Gas toward the Magellanic Superbubble 30 Doradus C	Yamane	EA	Total Power	3
03:05:55	04:37:33	2017.1.00474.S	TUKH122_a_06_7M	Multiple star formation of a starless core in the Orion A cloud	Ohashi	EA	7-m	6
02:41:29	04:03:16	2017.1.01313.S	Orion_b_03_TM1	A new window on high-energy processes in Young Stellar Objects: millimeter-wavelength flares in Orion	Forbrich	EU	12-m	3
02:29:28	03:43:50	2017.1.00886.L	NGC2090_a_06_TP	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	Total Power	6
02:02:54	03:05:35	2017.1.01158.S	12376529_b_06_7M	ACA Study on the Driving Mechanisms of Starburst and Main-Sequence Star Formation in Local Galaxies	Yamashita	EA	7-m	6
01:00:30	02:04:20	2017.1.00582.S	R_Dor_a_03_TM1	Phosphorous chemistry in the winds of R Dor and IK Tau	De Beck	EU	12-m	3
00:21:45	00:58:52	2017.1.00280.S	LSQ14fxj_a_03_TM1	A Direct Test of the Possible Connection Between Fast Radio Bursts and Superluminous Supernovae	Berger	NA	12-m	3
00:12:10	01:42:53	2017.1.00093.S	YSO01_a_03_7M	Evolution of molecular clouds associated with O-type YSOs in giant molecular clouds in the LMC	Onishi	EA	7-m	3

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Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
23:34:05	00:17:29	2017.1.00280.S	OGLE15sd_a_03_TM1	A Direct Test of the Possible Connection Between Fast Radio Bursts and Superluminous Supernovae	Berger	NA	12-m	3
23:09:51	00:11:58	2017.1.01158.S	12376637_c_06_7M	ACA Study on the Driving Mechanisms of Starburst and Main-Sequence Star Formation in Local Galaxies	Yamashita	EA	7-m	6
22:18:03	23:32:06	2017.1.00471.S	XCS2215__a_03_TM1	Gas kinematics of galaxies infalling into a massive galaxy cluster at z=1.46	Hayashi	EA	12-m	3
22:06:03	23:27:31	2017.1.00886.L	IC5273_a_06_TP	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	Total Power	6
21:27:03	22:59:03	2017.1.00931.S	B1-2_SE_a_06_7M	From Beginning to End -- Star Formation and Molecular Cloud Evolution in the Small Magellanic Cloud	Johnson	NA	7-m	6
21:03:02	22:17:49	2017.1.00471.S	XCS2215__a_03_TM1	Gas kinematics of galaxies infalling into a massive galaxy cluster at z=1.46	Hayashi	EA	12-m	3
20:43:11	22:05:46	2017.1.00886.L	IC5273_a_06_TP	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	Total Power	6
20:12:44	20:51:35	2017.1.00471.S	XCS2215__a_03_TM1	Gas kinematics of galaxies infalling into a massive galaxy cluster at z=1.46	Hayashi	EA	12-m	3
18:57:28	20:12:34	2017.1.00471.S	XCS2215__a_03_TM1	Gas kinematics of galaxies infalling into a massive galaxy cluster at z=1.46	Hayashi	EA	12-m	3
17:38:31	18:22:38	2016.1.01346.S	AGAL048._a_06_TP	Galactic Census of All Massive Starless Cores within 5 kpc	Pillai	EU	Total Power	6
16:36:23	17:46:31	2017.1.01355.L	G010.62_a_03_TM1	ALMA-IMF: ALMA transforms our view of the origin of stellar masses	Motte	CL EA EU NA	12-m	3
15:16:25	16:35:14	2017.1.01565.S	IRAS_162_c_06_7M	A comprehensive inventory of nitrogen isotopic ratios in a nascent solar system	Wampfler	EU	7-m	6
14:58:21	17:28:06	2016.1.01346.S	AGAL350._a_06_TP	Galactic Census of All Massive Starless Cores within 5 kpc	Pillai	EU	Total Power	6
13:45:15	15:15:03	2017.1.01355.L	G333.60_a_06_7M	ALMA-IMF: ALMA transforms our view of the origin of stellar masses	Motte	CL EA EU NA	7-m	6
13:31:11	14:47:32	2017.1.00370.S	NGC6334I_a_06_TM1	Confirmation of Interstellar Hydroxylamine (NH2OH)	McGuire	NA	12-m	6
12:17:04	14:14:03	2016.1.01346.S	AGAL313._a_06_TP	Galactic Census of All Massive Starless Cores within 5 kpc	Pillai	EU	Total Power	6
12:06:53	13:21:07	2017.1.01076.S	SSTc2dJ1_a_06_TM1	A Protoplanet Interacting with an Edge-on Circumstellar Disk	Stapelfeldt	NA	12-m	6
12:05:38	13:34:51	2017.1.00886.L	NGC5248_b_06_7M	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	7-m	6
11:13:28	12:05:19	2017.1.00236.S	MCG-6-30_a_06_TM1	Feeding and feedback in an unbiased and representative sample of AGN in the local Universe	Malkan	NA	12-m	6
10:40:27	12:02:54	2017.1.00886.L	NGC4536_a_06_7M	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	7-m	6
09:50:02	10:48:09	2016.1.00671.S	NGC5253_a_06_TM1	Revisiting the star formation efficiency of low-metallicity starburst galaxy NGC5253	De Looze	EU	12-m	6
09:13:08	10:38:34	2017.1.00886.L	NGC3626_a_06_TP	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	Total Power	6
09:07:27	10:30:22	2017.1.00886.L	NGC4536_a_06_7M	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	7-m	6
08:32:42	09:25:09	2017.1.00413.S	COS-2800_a_06_TM1	Spatially resolved kinematics and SFRs of direct progenitors of compact quiescent galaxies at z = 2	Barro	NA	12-m	6
07:55:14	09:12:31	2017.1.00886.L	NGC3239_a_06_TP	100,000 Molecular Clouds Across the Main Sequence: GMCs as the	Schinnerer	EU NA	Total Power	6

				Drivers of Galaxy Evolution				
07:38:59	08:31:21	2017.1.00413.S	COS-2800_a_06_TM1	Spatially resolved kinematics and SFRs of direct progenitors of compact quiescent galaxies at z = 2	Barro	NA	12-m	6
07:38:48	09:01:43	2017.1.00297.S	PG1119+1_a_06_7M	An ALMA-ACA Survey of CO(2-1) in PG QSOs	Bauer	CL	7-m	6
06:33:28	07:37:26	2017.1.01158.S	12376487_e_06_7M	ACA Study on the Driving Mechanisms of Starburst and Main-Sequence Star Formation in Local Galaxies	Yamashita	EA	7-m	6
06:23:54	07:30:34	2017.1.00301.S	NGC_3245_a_06_TM1	Measuring black hole masses in early-type galaxies with ALMA	Barth	NA	12-m	6
05:16:45	06:30:42	2017.1.00886.L	NGC2090_a_06_TP	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	Total Power	6
04:32:20	06:22:49	2017.1.01690.S	3FGL_J04_a_06_TM1	Using eclipses to determine the size of a neutron star jet	Miller-Jones	OTHER	12-m	6
04:32:02	05:48:51	2017.1.00129.S	ESO358-G_a_03_7M	Deep CO(J=1-0) mapping survey of Fornax galaxies with Morita array	Morokuma	EA	7-m	3
03:31:07	04:31:50	2017.1.00940.S	MWC758_b_06_TM1	Investigating the accumulation of solids in the MWC 758 young disk	Ricci	NA	12-m	6
02:52:32	04:09:48	2017.1.00129.S	ESO358-G_a_03_7M	Deep CO(J=1-0) mapping survey of Fornax galaxies with Morita array	Morokuma	EA	7-m	3
02:17:09	03:00:35	2017.1.00480.S	MC27_b_06_TM2	Spatially resolved observations toward a ~10AU disk around a Very Low-Luminosity object in Taurus	Tokuda	EA	12-m	6
01:34:08	02:51:40	2017.1.00129.S	ESO358-G_a_03_7M	Deep CO(J=1-0) mapping survey of Fornax galaxies with Morita array	Morokuma	EA	7-m	3
01:18:48	02:17:01	2017.1.00236.S	ngc_1125_a_06_TM1	Feeding and feedback in an unbiased and representative sample of AGN in the local Universe	Malkan	NA	12-m	6
00:11:21	00:53:08	2017.1.01559.S	LBQS_004_a_04_TM1	The Origin of z < 1 Damped Lyman-alpha Absorbers: Completing the Census	Bowen	NA	12-m	4

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Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
23:51:09	01:13:46	2017.1.00129.S	ESO358-G_a_03_7M	Deep CO(J=1-0) mapping survey of Fornax galaxies with Morita array	Morokuma	EA	7-m	3
23:47:17	01:02:30	2017.1.01363.S	30_Dor_C_b_03_TP	Revealing the Shock-interacting Molecular Gas toward the Magellanic Superbubble 30 Doradus C	Yamane	EA	Total Power	3
23:23:18	00:10:54	2017.1.01214.S	PJ020941_a_03_TM1	ALMA Study of the Hyperluminous SMGs Identified from Planck All-Sky Survey	Yun	NA	12-m	3
22:45:01	23:21:50	2017.1.00855.S	Uranus_a_04_TM1	Opacity Variability in Uranus's Troposphere	Molter	NA	12-m	4
22:28:41	23:50:57	2017.1.00129.S	ESO358-G_a_03_7M	Deep CO(J=1-0) mapping survey of Fornax galaxies with Morita array	Morokuma	EA	7-m	3
15:06:49	15:47:56	2017.1.00042.S	ARP220_a_03_TM2	Arp 220 Nuclear Disks at 0.027-0.05'' Resolution	Scoville	NA	12-m	3
14:22:40	15:39:00	2017.1.00928.S	GRS_1758_a_03_7M	Mapping Jet-ISM Interactions in X-ray Binaries	Tetarenko	NA	7-m	3
14:18:48	15:42:56	2017.1.00040.S	cnd_cs32_b_04_TP	Replenishing Molecular Gas Near the Supermassive Black Hole SgrA*	Hsieh	EA	Total Power	4
14:13:46	15:04:24	2017.1.00377.S	G19.88-0_a_03_TM1	Exploring the mid-IR SED of high-mass YSOs	Leurini	EU	12-m	3
12:50:54	13:58:28	2017.1.01722.S	8_a_03_TM1	Spectral scans for high CO transition lines in z>6.5 QSO candidates selected from PanSTARRS1 & WISE	Koptelova	EA	12-m	3
11:58:43	12:46:50	2017.1.01722.S	6_a_03_TM1	Spectral scans for high CO transition lines in z>6.5 QSO candidates selected from PanSTARRS1 & WISE	Koptelova	EA	12-m	3
11:08:55	12:26:07	2017.1.00815.S	NGC_4321_a_03_TP	A Wide, Deep Dense Gas Map of	Gallagher	NA	Total Power	3

				M100 to Connect Extragalactic and Galactic Dense Gas Results				
11:00:17	12:23:24	2017.1.00815.S	NGC_4321_a_03_7M	A Wide, Deep Dense Gas Map of M100 to Connect Extragalactic and Galactic Dense Gas Results	Gallagher	NA	7-m	3
10:08:09	11:05:08	2017.1.01318.S	SDSS_J12_a_04_TM1	Resolving molecular gas in ultra-compact starburst galaxies with extreme outflows	Geach	EU	12-m	4
09:26:56	10:40:13	2017.1.00815.S	NGC_4321_a_03_TP	A Wide, Deep Dense Gas Map of M100 to Connect Extragalactic and Galactic Dense Gas Results	Gallagher	NA	Total Power	3
09:04:05	10:27:15	2017.1.00815.S	NGC_4321_a_03_7M	A Wide, Deep Dense Gas Map of M100 to Connect Extragalactic and Galactic Dense Gas Results	Gallagher	NA	7-m	3
09:00:44	09:58:09	2017.1.01318.S	SDSS_J12_a_04_TM1	Resolving molecular gas in ultra-compact starburst galaxies with extreme outflows	Geach	EU	12-m	4
08:13:29	09:26:45	2017.1.00886.L	NGC2903_a_06_TP	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	Total Power	6
08:13:28	09:00:30	2017.1.01559.S	J1009-00_a_04_TM1	The Origin of z < 1 Damped Lyman-alpha Absorbers: Completing the Census	Bowen	NA	12-m	4
07:52:40	09:03:54	2017.1.01158.S	12376487_c_06_7M	ACA Study on the Driving Mechanisms of Starburst and Main-Sequence Star Formation in Local Galaxies	Yamashita	EA	7-m	6
07:13:12	08:13:19	2017.1.01214.S	PJ084648_a_03_TM1	ALMA Study of the Hyperluminous SMGs Identified from Planck All-Sky Survey	Yun	NA	12-m	3
06:24:19	07:52:15	2017.1.01644.S	GJ_273_a_06_7M	Searching for Kuiper-Belt analogues around the closest M-dwarf planetary systems	Amado	EU	7-m	6
06:06:24	07:06:34	2017.1.01214.S	PJ084648_a_03_TM1	ALMA Study of the Hyperluminous SMGs Identified from Planck All-Sky Survey	Yun	NA	12-m	3
05:44:13	06:52:36	2017.1.00886.L	NGC2997_a_06_TP	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	Total Power	6
04:53:22	06:24:08	2017.1.00474.S	TUKH122_a_06_7M	Multiple star formation of a starless core in the Orion A cloud	Ohashi	EA	7-m	6
04:44:50	06:06:15	2017.1.01313.S	Orion_b_03_TM1	A new window on high-energy processes in Young Stellar Objects: millimeter-wavelength flares in Orion	Forbrich	EU	12-m	3
04:19:02	05:33:09	2017.1.00886.L	NGC2090_a_06_TP	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	Total Power	6
03:43:58	04:44:36	2017.1.00940.S	MWC758_b_06_TM1	Investigating the accumulation of solids in the MWC 758 young disk	Ricci	NA	12-m	6
03:36:02	04:53:11	2017.1.00129.S	ESO358-G_a_03_7M	Deep CO(J=1-0) mapping survey of Fornax galaxies with Morita array	Morokuma	EA	7-m	3
02:41:17	03:43:43	2017.1.00480.S	MC27_b_06_TM2	Spatially resolved observations toward a ~10AU disk around a Very Low-Luminosity object in Taurus	Tokuda	EA	12-m	6
02:18:31	03:35:51	2017.1.00129.S	ESO358-G_a_03_7M	Deep CO(J=1-0) mapping survey of Fornax galaxies with Morita array	Morokuma	EA	7-m	3
01:25:04	02:41:05	2016.1.00023.S	NGC1068_a_06_TM1	In search of the high HCN/HCO+ ratio origin in AGNs: SiO imagings of Seyfert galaxies down to 15-30 pc scales	Taniguchi	EA	12-m	6
00:39:43	01:57:20	2017.1.00129.S	ESO358-G_a_03_7M	Deep CO(J=1-0) mapping survey of Fornax galaxies with Morita array	Morokuma	EA	7-m	3
00:08:37	01:02:48	2017.1.00582.S	IK_Tau_a_03_TM1	Phosphorous chemistry in the winds of R Dor and IK Tau	De Beck	EU	12-m	3

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Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
23:20:59	00:08:27	2017.1.01214.S	PJ020941_a_03_TM1	ALMA Study of the Hyperluminous SMGs Identified from Planck All-Sky Survey	Yun	NA	12-m	3
23:17:29	00:39:31	2017.1.00129.S	ESO358-G_a_03_7M	Deep CO(J=1-0) mapping survey of Fornax galaxies with Morita	Morokuma	EA	7-m	3

				array				
21:39:07	22:53:05	2017.1.00471.S	XCS2215__a_03_TM1	Gas kinematics of galaxies infalling into a massive galaxy cluster at z=1.46	Hayashi	EA	12-m	3
21:34:14	23:06:06	2017.1.00931.S	B1-2_SE_a_06_7M	From Beginning to End -- Star Formation and Molecular Cloud Evolution in the Small Magellanic Cloud	Johnson	NA	7-m	6
20:15:04	21:29:17	2017.1.00471.S	XCS2215__a_03_TM1	Gas kinematics of galaxies infalling into a massive galaxy cluster at z=1.46	Hayashi	EA	12-m	3
20:02:12	21:34:05	2017.1.00931.S	B1-2_SE_a_06_7M	From Beginning to End -- Star Formation and Molecular Cloud Evolution in the Small Magellanic Cloud	Johnson	NA	7-m	6
19:00:00	20:14:56	2017.1.00471.S	XCS2215__a_03_TM1	Gas kinematics of galaxies infalling into a massive galaxy cluster at z=1.46	Hayashi	EA	12-m	3
18:18:49	19:40:20	2017.1.01355.L	G010.62_a_03_7M	ALMA-IMF: ALMA transforms our view of the origin of stellar masses	Motte	CL EA EU NA	7-m	3
17:46:37	18:40:57	2017.1.01355.L	W51-E_a_03_TM1	ALMA-IMF: ALMA transforms our view of the origin of stellar masses	Motte	CL EA EU NA	12-m	3
16:55:28	18:17:32	2017.1.01355.L	W43-MM2_a_03_7M	ALMA-IMF: ALMA transforms our view of the origin of stellar masses	Motte	CL EA EU NA	7-m	3
16:42:33	17:36:33	2017.1.01355.L	W51-E_a_03_TM1	ALMA-IMF: ALMA transforms our view of the origin of stellar masses	Motte	CL EA EU NA	12-m	3
16:08:16	19:12:49	2016.1.01346.S	AGAL028._a_06_TP	Galactic Census of All Massive Starless Cores within 5 kpc	Pillai	EU	Total Power	6
14:29:26	15:24:52	2017.1.00082.S	NGC6300_a_07_TM1	Molecular tori in Seyfert galaxies	Garcia-Burillo	EU	12-m	7
14:08:45	15:57:18	2016.1.01346.S	AGAL327._a_06_TP	Galactic Census of All Massive Starless Cores within 5 kpc	Pillai	EU	Total Power	6
13:23:15	14:24:22	2017.1.00396.S	Pisco_b_06_TM1	A bright QSO at z~7.5: pushing detailed interstellar medium studies to the earliest cosmic epochs	Banados	NA	12-m	6
13:00:00	14:54:35	2017.1.00377.S	G337.92-_a_07_7M	Exploring the mid-IR SED of high-mass YSOs	Leurini	EU	7-m	7
12:06:13	13:07:57	2017.1.00396.S	Pisco_b_06_TM1	A bright QSO at z~7.5: pushing detailed interstellar medium studies to the earliest cosmic epochs	Banados	NA	12-m	6
11:30:36	12:59:35	2017.1.00886.L	NGC5248_a_06_7M	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	7-m	6
11:29:05	12:04:05	2017.1.01419.S	MP_Mus_a_06_TM1	Planet formation in sparse stellar groups	Caceres	CL	12-m	6
10:15:28	11:16:40	2017.1.00396.S	Pisco_b_06_TM1	A bright QSO at z~7.5: pushing detailed interstellar medium studies to the earliest cosmic epochs	Banados	NA	12-m	6
09:26:13	10:01:09	2017.1.00830.S	ngc4472_a_07_TM1	Black Hole Masses, central parsec gas dynamics, and Event Horizon Detectability in a sample of nearby galaxies	Nagar	CL	12-m	7
08:47:30	10:10:23	2017.1.00886.L	NGC4536_a_06_7M	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	7-m	6
08:46:22	10:03:34	2017.1.00886.L	NGC3239_a_06_TP	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	Total Power	6
08:23:43	09:25:57	2017.1.01107.S	2MASS_J1_b_06_TM1	The chemistry of M dwarf protoplanetary disks	Oberg	NA	12-m	6
07:59:21	08:23:35	2016.1.01481.S	PKS_1045_a_06_TM1	Measuring the Spectral Evolution, Structure, and Speed of Extragalactic Jets with ALMA	Meyer	NA	12-m	6
07:14:09	07:56:57	2017.1.00022.S	IRAS_085_a_07_TM1	AGN feedback and molecular line flux ratios in luminous infrared galaxies	Imanishi	EA	12-m	7
06:51:35	08:05:23	2017.1.01053.S	HH_46_e_07_7M	SMORES: Shocked Molecular Outflows across a Range of Environments Survey	McGuire	NA	7-m	7
06:05:28	07:14:01	2017.1.00127.S	AzTEC1_a_07_TM1	Extended Star Formation in the	Iono	EA	12-m	7

				Brightest Unlensed Submillimeter Galaxies				
06:02:25	07:14:41	2017.1.00886.L	NGC2283_a_06_TP	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	Total Power	6
05:33:24	06:48:08	2017.1.00357.S	OMC2_a_05_7M	Is the Dust in OMC 2/3 Anomalous?	Sadavoy	NA	7-m	5
05:22:13	06:03:25	2017.1.00022.S	IRAS_060_a_07_TM1	AGN feedback and molecular line flux ratios in luminous infrared galaxies	Imanishi	EA	12-m	7
04:47:02	05:22:05	2017.1.00255.S	ngc1614_a_06_TM1	Revealing the internal structure of molecular outflows: spatially resolved observations in local LIRGs	Pereira Santaella	EU	12-m	6
04:39:02	06:02:13	2017.1.00984.S	NGC1808_a_08_TP	Starburst-driven superwind in the nearby galaxy NGC 1808 traced by CI	Salak	EA	Total Power	8
04:17:56	05:33:16	2017.1.00357.S	OMC2_a_05_7M	Is the Dust in OMC 2/3 Anomalous?	Sadavoy	NA	7-m	5
03:21:30	04:32:03	2017.1.01310.S	L1448_IR_a_03_TM1	Disentangle the Origins of Polarization in Millimeter Wavelengths for the Youngest Protostellar Systems	Kwon	EA	12-m	3
03:14:33	04:38:54	2017.1.00984.S	NGC1808_a_08_TP	Starburst-driven superwind in the nearby galaxy NGC 1808 traced by CI	Salak	EA	Total Power	8
02:55:44	04:17:47	2017.1.00357.S	OMC3_a_05_7M	Is the Dust in OMC 2/3 Anomalous?	Sadavoy	NA	7-m	5
02:40:25	03:14:24	2017.1.00984.S	Uranus_a_08_TP	Starburst-driven superwind in the nearby galaxy NGC 1808 traced by CI	Salak	EA	Total Power	8
02:07:56	03:21:23	2017.1.01310.S	L1448_IR_a_03_TM1	Disentangle the Origins of Polarization in Millimeter Wavelengths for the Youngest Protostellar Systems	Kwon	EA	12-m	3
01:00:29	02:31:42	2017.1.00886.L	NGC1317_a_06_TP	100,000 Molecular Clouds Across the Main Sequence: GMCs as the Drivers of Galaxy Evolution	Schinnerer	EU NA	Total Power	6
00:45:25	02:07:48	2017.1.01310.S	L1448_IR_a_03_TM1	Disentangle the Origins of Polarization in Millimeter Wavelengths for the Youngest Protostellar Systems	Kwon	EA	12-m	3

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Start (UT)	End (UT)	Project Code	SchedBlock	Project Title	PI	Executive	Array	Band
23:15:57	00:26:54	2017.1.01659.S	EIS_J033_a_04_TM1	Resolved distribution and dynamics of molecular gas of a distant spiral galaxy	Chemin	CL	12-m	4
22:55:49	00:27:21	2017.1.00461.S	GMC-8_a_06_7M	Revealing the roles of filamentary clouds in GMC evolution of M33	Muraoka	EA	7-m	6
22:01:01	23:15:47	2017.1.00471.S	XCS2215__a_03_TM1	Gas kinematics of galaxies infalling into a massive galaxy cluster at z=1.46	Hayashi	EA	12-m	3