

ALMA Observing Activity from 2016-07-11T17:59:00 to 2016-07-18T18:00:00
QA0 pass executions

2016-07-11

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|----------------|------------------|---|---------|-----------|-------|------|
| 22:21:30 | 23:15:13 | 2015.1.01590.S | Gal4_a_04_TE | Constraining the molecular gas content of normal star-forming galaxies at $3 < z < 3.5$ | Cassata | CL | 12-m | 4 |
| 22:23:11 | 23:27:35 | 2015.1.01019.S | Filament_a_03_7M | Star formation efficiency in the outer filament of Centaurus A | Salome | EU | 7-m | 3 |

2016-07-12

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|----------------|------------------|---|-------------------|-----------|-------|------|
| 07:27:05 | 08:00:24 | 2015.1.00027.S | IRAS_204_b_07_TE | AGN feedback and molecular line flux ratios in dust/gas-rich ultraluminous luminous infrared galaxies | | EA | 12-m | 7 |
| 08:17:52 | 08:56:18 | 2015.1.01469.S | PMN_J231_a_07_TE | Final Piece of the Puzzle: What Drives the Enhanced X-ray Emission from the Most Powerful Jets in the Early Universe | Wu | NA | 12-m | 7 |
| 08:32:38 | 09:59:34 | 2015.1.01187.S | EI_Gordo_a_03_7M | ALMA observation of a galaxy cluster merger shock at half the age of the universe | Basu | EU | 7-m | 3 |
| 09:33:23 | 11:06:34 | 2015.1.01260.S | q1_Eri_a_07_TE | What lies beyond Exo-Jupiter planets? | Wyatt | EU | 12-m | 7 |
| 10:00:11 | 11:07:03 | 2015.1.00530.S | TN_J0205_a_03_7M | An ALMA-MUSE Survey of Extended Radio Galaxy Haloes | De Breuck | EU | 7-m | 3 |
| 11:06:56 | 12:39:54 | 2015.1.01260.S | q1_Eri_a_07_TE | What lies beyond Exo-Jupiter planets? | Wyatt | EU | 12-m | 7 |
| 11:07:38 | 12:13:59 | 2015.1.00530.S | TN_J0205_a_03_7M | An ALMA-MUSE Survey of Extended Radio Galaxy Haloes | De Breuck | EU | 7-m | 3 |
| 13:59:16 | 15:29:56 | 2015.1.01082.S | Orion_Ba_a_07_7M | ALMA imaging of the Orion Bar: Density structures and chemical stratification in PDRs | Goicoechea | EU | 7-m | 7 |
| 14:15:28 | 14:46:30 | 2015.1.00821.S | z6_MAIN__a_07_TE | Probing the Physics Behind Enhanced Star Formation in the Early Universe | Finkelstein | NA | 12-m | 7 |
| 16:00:56 | 17:29:20 | 2015.1.00256.S | OH_231.8_a_07_TE | The massive, fast-bipolar outflow of the extreme AGB star OH 231.8+4.2 | Sánchez Contreras | EU | 12-m | 7 |
| 16:10:33 | 17:42:55 | 2015.1.01082.S | Orion_Ba_a_07_7M | ALMA imaging of the Orion Bar: Density structures and chemical stratification in PDRs | Goicoechea | EU | 7-m | 7 |
| 17:49:02 | 19:10:37 | 2015.1.00341.S | MMS1_a_06_7M | Revealing Magnetic Field Structures: IM-mass Cores in OMC-3 | Takahashi | EA | 7-m | 6 |
| 17:53:39 | 19:21:53 | 2015.1.00256.S | OH_231.8_a_07_TE | The massive, fast-bipolar outflow of the extreme AGB star OH 231.8+4.2 | Sánchez Contreras | EU | 12-m | 7 |
| 19:50:06 | 20:30:04 | 2015.1.00449.S | 08477-43_a_07_TE | Fragmentation of massive dense clumps: unveiling the initial conditions of high-mass star formation | Fontani | EU | 12-m | 7 |
| 19:57:22 | 21:01:52 | 2015.1.00997.S | ULAS_J13_a_06_7M | Extreme quasar feedback in the early Universe | Maiolino | EU | 7-m | 6 |
| 21:03:30 | 22:14:43 | 2015.1.00925.S | NGC_5068_a_06_7M | Promoting Diversity: ISM Physics and Star Formation across Different Environments | Blanc | CL | 7-m | 6 |
| 21:06:46 | 21:21:46 | 2015.1.00466.S | NGC4501_b_06_TE | The mm-Wave Interferometric Survey of Dark Object Masses (WISDOM): Increasing the number of supermassive black hole mass measurements with molecular gas using ALMA | Onishi | EA | 12-m | 6 |
| 21:27:43 | 21:59:18 | 2015.1.00665.S | 2777_258_a_06_TE | After the Fall: Mapping the Molecular Fuel in Post-Starburst Galaxies | Smith | NA | 12-m | 6 |
| 22:37:43 | 23:56:29 | 2015.A.00021.S | SgrA_sta_a_06_TE | Sgr A* multi-wavelength monitoring | Witzel | NA | 12-m | 6 |
| 23:56:46 | 01:15:43 | 2015.A.00021.S | SgrA_sta_a_06_TE | Sgr A* multi-wavelength monitoring | Witzel | NA | 12-m | 6 |

2016-07-13

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|----------------|------------------|---|-----|-----------|-------|------|
| 01:03:18 | 02:24:44 | 2015.1.00149.S | Sgr_A_st_a_06_7M | Testing a Chemical Model to Probe Supermassive Black Hole Accretion | Liu | EA | 7-m | 6 |

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|----------|----------|----------------|------------------|---|-------------|----|-------------|---|
| 01:27:23 | 02:47:18 | 2015.A.00021.S | SgrA_sta_a_06_TE | Sgr A* multi-wavelength monitoring | Witzel | NA | 12-m | 6 |
| 02:26:01 | 03:36:27 | 2015.1.00149.S | Sgr_A_st_a_06_7M | Testing a Chemical Model to Probe Supermassive Black Hole Accretion | Liu | EA | 7-m | 6 |
| 02:47:41 | 03:40:46 | 2015.A.00021.S | SgrA_sta_a_06_TE | Sgr A* multi-wavelength monitoring | Witzel | NA | 12-m | 6 |
| 06:26:05 | 07:10:24 | 2015.1.01539.S | G28.23_a_06_TP | A survey of prestellar, high-mass cluster-forming clumps: constraining models of high-mass star formation | Sanhueza | EA | Total Power | 6 |
| 06:37:36 | 07:38:23 | 2015.1.00027.S | IRAS_204_a_07_TE | AGN feedback and molecular line flux ratios in dust/gas-rich ultraluminous luminous infrared galaxies | Imanishi | EA | 12-m | 7 |
| 07:13:40 | 08:28:24 | 2015.1.00274.S | NGC253_a_07_TP | A Close Look into the Blast Furnace: the Core of the NGC253 Starburst at One Parsec Resolution | Bolatto | NA | Total Power | 7 |
| 07:39:28 | 09:01:24 | 2015.1.00883.S | W2246-05_a_06_TE | WISE J2246-0526: An Evolving Interstellar Medium Hiding Beneath an Hyper-luminous AGN | Diaz-Santos | CL | 12-m | 6 |
| 09:01:51 | 10:11:21 | 2015.1.00902.S | vv114_a_06_TE | Kinetic temperature measurement within galaxies | Ao | EA | 12-m | 6 |
| 10:11:53 | 11:41:24 | 2015.1.00242.S | scuba2-0_a_07_TE | BASIC: A Bright ALMA Survey of SMGs in the Chandra Deep Field-South | Bauer | CL | 12-m | 7 |
| 10:24:19 | 11:39:27 | 2015.1.00274.S | NGC253_a_07_TP | A Close Look into the Blast Furnace: the Core of the NGC253 Starburst at One Parsec Resolution | Bolatto | NA | Total Power | 7 |
| 11:39:43 | 12:53:53 | 2015.1.00274.S | NGC253_a_07_TP | A Close Look into the Blast Furnace: the Core of the NGC253 Starburst at One Parsec Resolution | Bolatto | NA | Total Power | 7 |
| 11:54:15 | 12:45:16 | 2015.1.00637.S | DK_Tau_a_07_TE | Are Planetary Orbits Aligned with Binary Orbits? | Jensen | NA | 12-m | 7 |

2016-07-14

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|----------------|------------------|---|-------------|-----------|-------------|------|
| 07:00:39 | 07:42:49 | 2015.1.00075.S | PKS1830-_n_07_TE | Monitoring PKS1830-211: the submm activity of the blazar and the variability of the foreground absorption lines | Muller | EU | 12-m | 7 |
| 07:31:04 | 08:33:41 | 2015.1.00274.S | NGC253_a_07_TP | A Close Look into the Blast Furnace: the Core of the NGC253 Starburst at One Parsec Resolution | Bolatto | NA | Total Power | 7 |
| 07:43:39 | 08:11:41 | 2015.1.01558.T | GRB_c_03_TE | Particle Acceleration in GRB Afterglows | Schulze | CL | 12-m | 3 |
| 08:30:44 | 08:56:34 | 2015.1.00466.S | NGC6958_b_06_TE | The mm-Wave Interferometric Survey of Dark Object Masses (WISDOM): Increasing the number of supermassive black hole mass measurements with molecular gas using ALMA | Onishi | EA | 12-m | 6 |
| 08:35:56 | 09:16:24 | 2015.1.00196.S | SMC1N42_a_03_TP | Zooming in on the parsec-scale structure of CO gas at low metallicity and its relation to star formation | Roman-Duval | NA | Total Power | 3 |
| 08:57:55 | 09:35:47 | 2015.1.00902.S | n7130_a_06_TE | Kinetic temperature measurement within galaxies | Ao | EA | 12-m | 6 |
| 09:23:11 | 10:10:57 | 2015.1.00530.S | TN_J0205_a_03_7M | An ALMA-MUSE Survey of Extended Radio Galaxy Haloes | De Breuck | EU | 7-m | 3 |
| 09:37:42 | 10:50:36 | 2015.1.01447.S | UDF0_d_06_TE | The ALMA 1.2mm spectroscopic survey of the Hubble Ultra Deep Field: Exploring the deepest frontier | Aravena | CL | 12-m | 6 |
| 10:17:33 | 11:03:18 | 2015.1.00274.S | NGC253_a_07_TP | A Close Look into the Blast Furnace: the Core of the NGC253 Starburst at One Parsec Resolution | Bolatto | NA | Total Power | 7 |
| 10:51:45 | 12:06:49 | 2015.1.01447.S | UDF0_b_06_TE | The ALMA 1.2mm spectroscopic survey of the Hubble Ultra Deep Field: Exploring the deepest frontier | Aravena | CL | 12-m | 6 |
| 11:17:26 | 12:19:45 | 2015.1.00274.S | NGC253_a_07_TP | A Close Look into the Blast Furnace: the Core of the NGC253 Starburst at One Parsec | Bolatto | NA | Total Power | 7 |

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|----------------|------------------|--|-------------------|-----------|-------------|------|
| 12:21:01 | 13:23:39 | 2015.1.00274.S | NGC253_a_07_TP | Resolution A Close Look into the Blast Furnace: the Core of the NGC253 Starburst at One Parsec Resolution | Bolatto | NA | Total Power | 7 |
| 12:34:35 | 14:05:31 | 2015.1.00637.S | IT_Tau_a_07_TE | Are Planetary Orbits Aligned with Binary Orbits? | Jensen | NA | 12-m | 7 |
| 13:24:05 | 14:25:54 | 2015.1.01082.S | Orion_Ba_a_07_TP | ALMA imaging of the Orion Bar: Density structures and chemical stratification in PDRs | Goicoechea | EU | Total Power | 7 |
| 14:21:04 | 14:56:09 | 2015.1.00504.S | SPT0516-_a_07_TE | A search for the most distant and extreme starbursts in the Universe | Strandet | EU | 12-m | 7 |
| 14:26:32 | 15:28:23 | 2015.1.01082.S | Orion_Ba_a_07_TP | ALMA imaging of the Orion Bar: Density structures and chemical stratification in PDRs | Goicoechea | EU | Total Power | 7 |
| 15:19:22 | 16:47:49 | 2015.1.00256.S | OH_231.8_a_07_TE | The massive, fast-bipolar outflow of the extreme AGB star OH 231.8+4.2 | Sánchez Contreras | EU | 12-m | 7 |
| 15:28:41 | 16:29:43 | 2015.1.01082.S | Orion_Ba_a_07_TP | ALMA imaging of the Orion Bar: Density structures and chemical stratification in PDRs | Goicoechea | EU | Total Power | 7 |
| 16:30:36 | 17:31:40 | 2015.1.01082.S | Orion_Ba_a_07_TP | ALMA imaging of the Orion Bar: Density structures and chemical stratification in PDRs | Goicoechea | EU | Total Power | 7 |
| 17:09:14 | 18:06:40 | 2015.1.01455.S | SDP17b_a_07_TE | The origin of H2O emission and molecular outflows in IR-luminous galaxies | van der Werf | EU | 12-m | 7 |
| 17:31:55 | 18:32:58 | 2015.1.01082.S | Orion_Ba_a_07_TP | ALMA imaging of the Orion Bar: Density structures and chemical stratification in PDRs | Goicoechea | EU | Total Power | 7 |
| 18:23:29 | 18:52:39 | 2015.1.01104.S | B0833-45_a_04_TE | Exploring the pulsar spectra in the sub-mm with ALMA | Mignani | EU | 12-m | 4 |
| 18:48:32 | 19:27:08 | 2015.1.00846.S | IC_2520_a_06_TP | The end and the beginning of episodic AGN triggering in IC 2520 | Farrah | NA | Total Power | 6 |
| 18:53:16 | 19:35:53 | 2015.1.00199.S | WISE_J10_a_04_TE | Proving the AGN feedback in the extremely IR-bright Dust Obscured Galaxies | Toba | EA | 12-m | 4 |
| 19:27:29 | 20:13:03 | 2015.1.00357.S | G286_5_a_06_TP | Kinematics of Massive Star Cluster in Tan Formation | | NA | Total Power | 6 |
| 19:36:11 | 20:18:32 | 2015.1.00199.S | WISE_J10_a_04_TE | Proving the AGN feedback in the extremely IR-bright Dust Obscured Galaxies | Toba | EA | 12-m | 4 |
| 20:13:21 | 20:58:24 | 2015.1.00357.S | G286_5_a_06_TP | Kinematics of Massive Star Cluster in Tan Formation | | NA | Total Power | 6 |
| 20:20:40 | 21:00:14 | 2015.1.00939.S | GRB03120_a_07_TE | CO Survey toward the Host Galaxies of Gamma-ray Bursts | Hatsukade | EA | 12-m | 7 |

2016-07-15

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|----------------|------------------|--|---------|-----------|-------------|------|
| 06:50:01 | 07:46:11 | 2015.1.01558.T | GRB_c_07_TE | Particle Acceleration in GRB Afterglows | Schulze | CL | 12-m | 7 |
| 07:57:17 | 08:24:57 | 2015.1.00926.S | NGC6868_a_04_TE | Direct Emission from Advection Dominated Accretion Flows in the Local Universe | Hogan | NA | 12-m | 4 |
| 08:08:11 | 08:52:13 | 2015.1.00274.S | NGC253_a_07_TP | A Close Look into the Blast Furnace: the Core of the NGC253 Starburst at One Parsec Resolution | Bolatto | NA | Total Power | 7 |
| 08:26:18 | 08:53:48 | 2015.1.00926.S | NGC7049_a_04_TE | Direct Emission from Advection Dominated Accretion Flows in the Local Universe | Hogan | NA | 12-m | 4 |
| 10:12:45 | 11:38:18 | 2015.1.00242.S | scuba2-0_a_07_TE | BASIC: A Bright ALMA Survey of SMGs in the Chandra Deep Field-South | Bauer | CL | 12-m | 7 |
| 10:40:19 | 11:42:39 | 2015.1.00274.S | NGC253_a_07_TP | A Close Look into the Blast Furnace: the Core of the NGC253 Starburst at One Parsec Resolution | Bolatto | NA | Total Power | 7 |
| 11:49:44 | 13:28:57 | 2015.1.00308.S | DM_Tau_a_07_TE | The 12C/13C Isotopic Ratio in Protoplanetary Disks | Bergin | NA | 12-m | 7 |

2016-07-16

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|----------------|------------------|---|----------|-----------|-------|------|
| 08:17:36 | 09:26:27 | 2015.1.00997.S | SDSS_J01_a_07_TE | Extreme quasar feedback in the early Universe | Maiolino | EU | 12-m | 7 |
| 09:01:31 | 11:01:20 | 2015.1.00384.S | N83C_a_08_7M | Detailed molecular gas distribution of an active star | Onishi | EA | 7-m | 8 |

forming region within a low-metallicity environment: CI observations of N83 in the Small Magellanic Cloud(SMC)

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|----------|----------|----------------|------------------|--|-------------------|----|------|---|
| 09:26:56 | 10:52:41 | 2015.1.00026.S | SHiZELS-_a_07_TE | A resolved view to the dust content in Ibar star-forming Halpalpha galaxies at $z = 1.47-2.23$ | | CL | 12-m | 7 |
| 11:29:56 | 13:32:20 | 2015.1.00468.S | SBS0335-_a_09_TE | Probing stellar feedback in an extreme low-metallicity starburst | Hunt | EU | 12-m | 9 |
| 14:07:11 | 16:09:37 | 2015.1.00848.S | Orion_KL_a_09_7M | H2S: A New Probe of Hidden Luminosity in Orion KL | Blake | NA | 7-m | 9 |
| 15:01:29 | 15:49:22 | 2015.1.00662.S | HH46_sou_a_08_TE | The heating effects of the HH46/47 outflow | van Kempen | EU | 12-m | 8 |
| 16:37:26 | 18:31:09 | 2015.1.00662.S | HH46off1_a_08_7M | The heating effects of the HH46/47 outflow | van Kempen | EU | 7-m | 8 |
| 16:45:24 | 17:13:09 | 2015.1.00504.S | SPT0544-_a_07_TE | A search for the most distant and extreme starbursts in the Universe | Strandet | EU | 12-m | 7 |
| 17:16:55 | 18:31:09 | 2015.1.00256.S | OH_231.8_b_07_TE | The massive, fast-bipolar outflow of the extreme AGB star OH 231.8+4.2 | Sánchez Contreras | EU | 12-m | 7 |
| 18:59:25 | 20:27:06 | 2015.1.01339.S | HG2794_a_06_7M | Identifying the transition phase of the clump mass function toward the IMF | Olmi | EU | 7-m | 6 |

2016-07-17

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|----------------|------------------|---|-------------------|-----------|-------------|------|
| 05:10:17 | 06:16:27 | 2015.A.00022.T | NGC6334I_b_07_TE | Measuring the Luminosity of an ALMA Hunter Detected Accretion Event in the Massive Protostellar Cluster NGC6334I | | NA | 12-m | 7 |
| 06:16:52 | 07:56:55 | 2015.1.00169.S | B335_a_07_TE | B335: A Test-Bed for Spherical Collapse | Evans | NA | 12-m | 7 |
| 07:56:00 | 08:58:33 | 2015.1.00274.S | NGC253_a_07_TP | A Close Look into the Blast Furnace: the Core of the NGC253 Starburst at One Parsec Resolution | Bolato | NA | Total Power | 7 |
| 07:57:18 | 09:16:45 | 2015.1.00466.S | NGC0524_a_06_TE | The mm-Wave Interferometric Survey of Dark Object Masses (WISDOM): Increasing the number of supermassive black hole mass measurements with molecular gas using ALMA | Onishi | EA | 12-m | 6 |
| 10:02:28 | 10:20:34 | 2015.1.00872.S | HE_0302-_a_06_TE | Is the central sub-kiloparsec gas surface-density the decisive parameter for fueling supermassive black holes? | Schulze | EA | 12-m | 6 |
| 11:02:45 | 12:56:59 | 2015.1.01503.S | Per11_a_07_TE | Testing the Correlation of Class 0 Disks with Aligned Magnetic Field and Rotation Axes | Cox | NA | 12-m | 7 |
| 12:57:53 | 14:29:45 | 2015.1.01503.S | Per11_a_07_TE | Testing the Correlation of Class 0 Disks with Aligned Magnetic Field and Rotation Axes | Cox | NA | 12-m | 7 |
| 15:03:27 | 15:33:23 | 2015.1.00102.S | IRAS_F05_a_07_TE | Warm and Dense Molecular Gas in Local Merging ULIRGs | Iono | EA | 12-m | 7 |
| 15:17:59 | 16:23:54 | 2015.1.00341.S | MMS1_a_06_7M | Revealing Magnetic Field Structures: IM-mass Cores in OMC-3 | Takahashi | EA | 7-m | 6 |
| 15:55:15 | 17:07:26 | 2015.1.00256.S | OH_231.8_b_07_TE | The massive, fast-bipolar outflow of the extreme AGB star OH 231.8+4.2 | Sánchez Contreras | EU | 12-m | 7 |
| 16:35:20 | 17:17:00 | 2015.1.01082.S | Orion_Ba_a_07_TP | ALMA imaging of the Orion Bar: Density structures and chemical stratification in PDRs | Goicoechea | EU | Total Power | 7 |
| 17:24:35 | 17:40:19 | 2015.1.01191.S | NGC2623_a_03_TE | A new molecular gas mass tracer in galaxies: a first test in the local Universe | Zhang | EU | 12-m | 3 |
| 17:36:31 | 18:26:00 | 2015.1.00357.S | G286_5_a_06_TP | Kinematics of Massive Star Cluster in Formation | Tan | NA | Total Power | 6 |
| 17:40:57 | 18:05:20 | 2015.1.00697.S | sn_1987a_a_03_TE | Peering into the ejecta of SN1987A: chemistry, clumpiness and nucleosynthesis | Cherchneff | EU | 12-m | 3 |
| 18:05:39 | 18:29:41 | 2015.1.00697.S | sn_1987a_b_03_TE | Peering into the ejecta of SN1987A: chemistry, clumpiness and nucleosynthesis | Cherchneff | EU | 12-m | 3 |

2016-07-18

| Start (UT) | End (UT) | Project Code | SchedBlock | Project Title | PI | Executive | Array | Band |
|------------|----------|----------------|------------------|-----------------------------|-----|-----------|-------|------|
| 03:41:51 | 05:03:53 | 2015.1.00149.S | Sgr_A_st_a_06_7M | Testing a Chemical Model to | Liu | EA | 7-m | 6 |

| | | | | Probe Supermassive Black Hole Accretion | | | | |
|----------|----------|----------------|------------------|---|---------|----|-------------|---|
| 03:59:38 | 04:59:20 | 2015.A.00022.T | NGC6334I_a_07_TE | Measuring the Luminosity of an ALMA Hunter Detected Accretion Event in the Massive Protostellar Cluster NGC6334I | Hunter | NA | 12-m | 7 |
| 05:12:48 | 06:50:16 | 2015.1.00847.S | HD_16329_a_08_TE | Locate hot water vapor in protoplanetary disks | Du | NA | 12-m | 8 |
| 07:20:38 | 08:23:06 | 2015.1.00274.S | NGC253_a_07_TP | A Close Look into the Blast Furnace: the Core of the NGC253 Starburst at One Parsec Resolution | Bolatto | NA | Total Power | 7 |
| 08:25:05 | 09:28:14 | 2015.1.00274.S | NGC253_a_07_TP | A Close Look into the Blast Furnace: the Core of the NGC253 Starburst at One Parsec Resolution | Bolatto | NA | Total Power | 7 |
| 09:12:24 | 09:30:00 | 2015.1.00872.S | HE_0103-_a_06_TE | Is the central sub-kiloparsec gas surface-density the decisive parameter for fueling supermassive black holes? | Schulze | EA | 12-m | 6 |
| 12:07:21 | 12:25:24 | 2015.1.00926.S | NGC1399_a_04_TE | Direct Emission from Advection Dominated Accretion Flows in the Local Universe | Hogan | NA | 12-m | 4 |
| 12:29:25 | 12:53:50 | 2015.1.00960.S | WISEP_J0_b_03_TE | SiO megamasers in AGN accretion disks | Pesce | NA | 12-m | 3 |