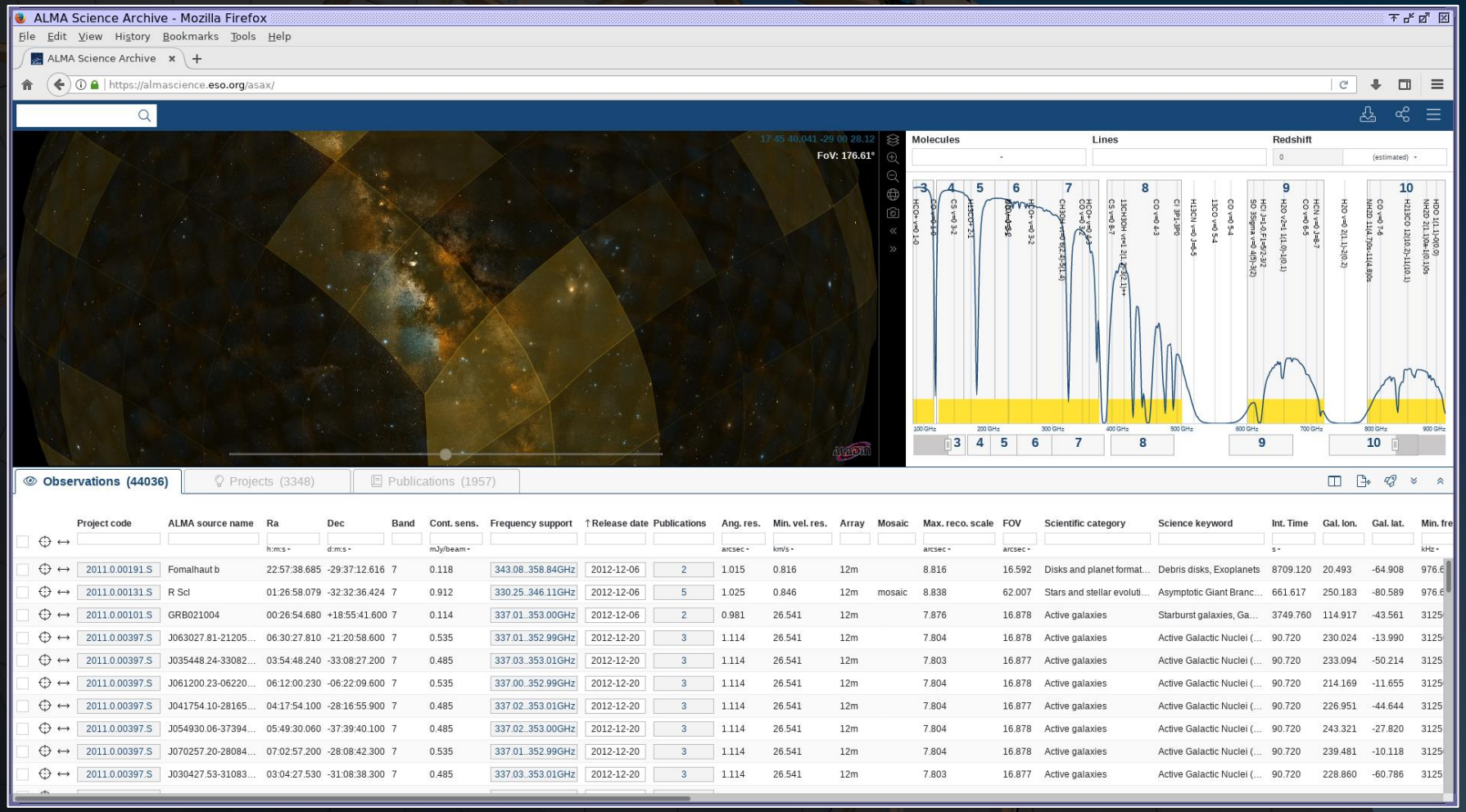
# The ALMA Science Archive

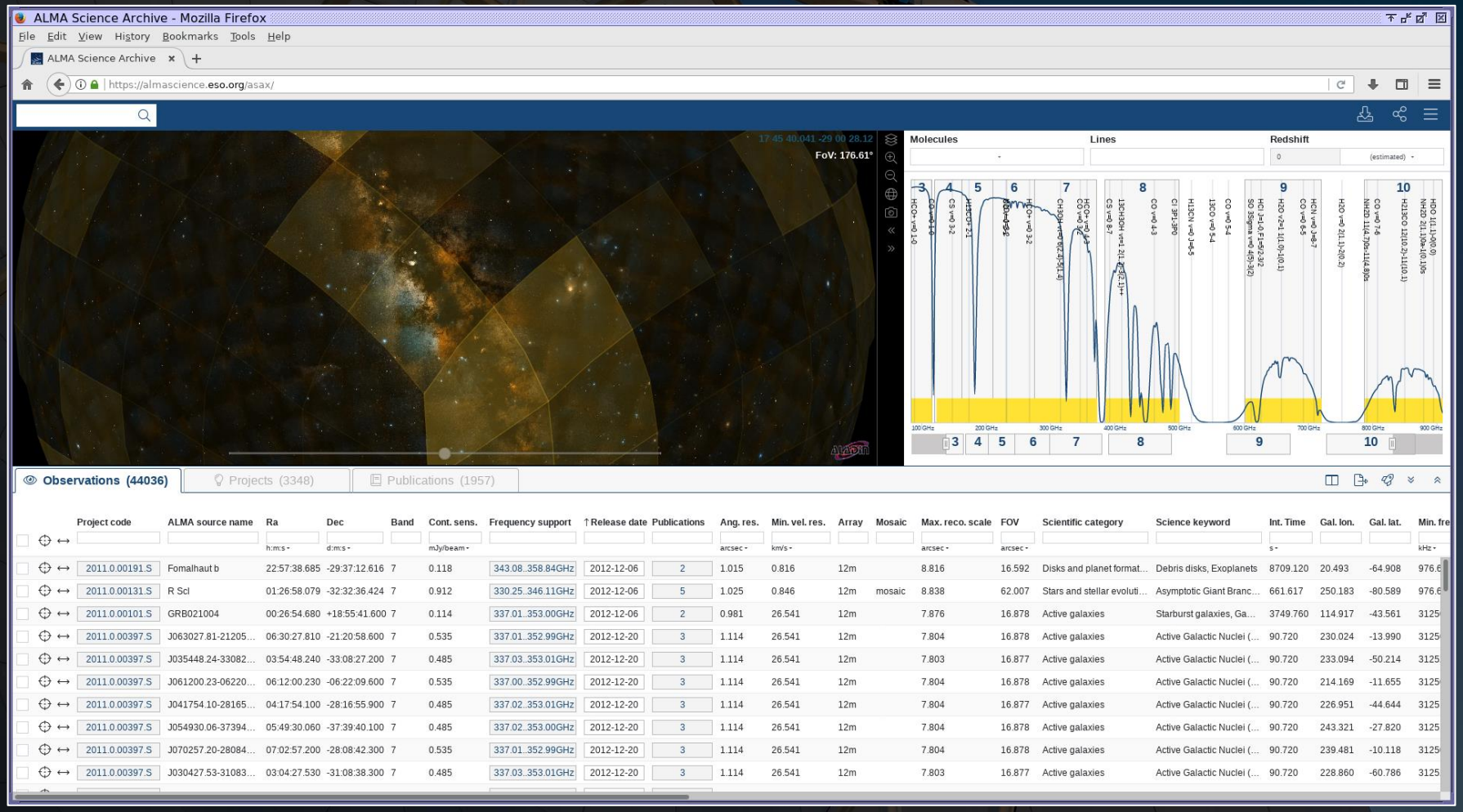
**George Bendo**
UK ALMA Regional Centre Node
Jodrell Bank Centre for Astrophysics
The University of Manchester

The ALMA Science Archive was updated within the past year. The website is https://almascience.eso.org/asax/ . The default view shows the entire contents of the archive.



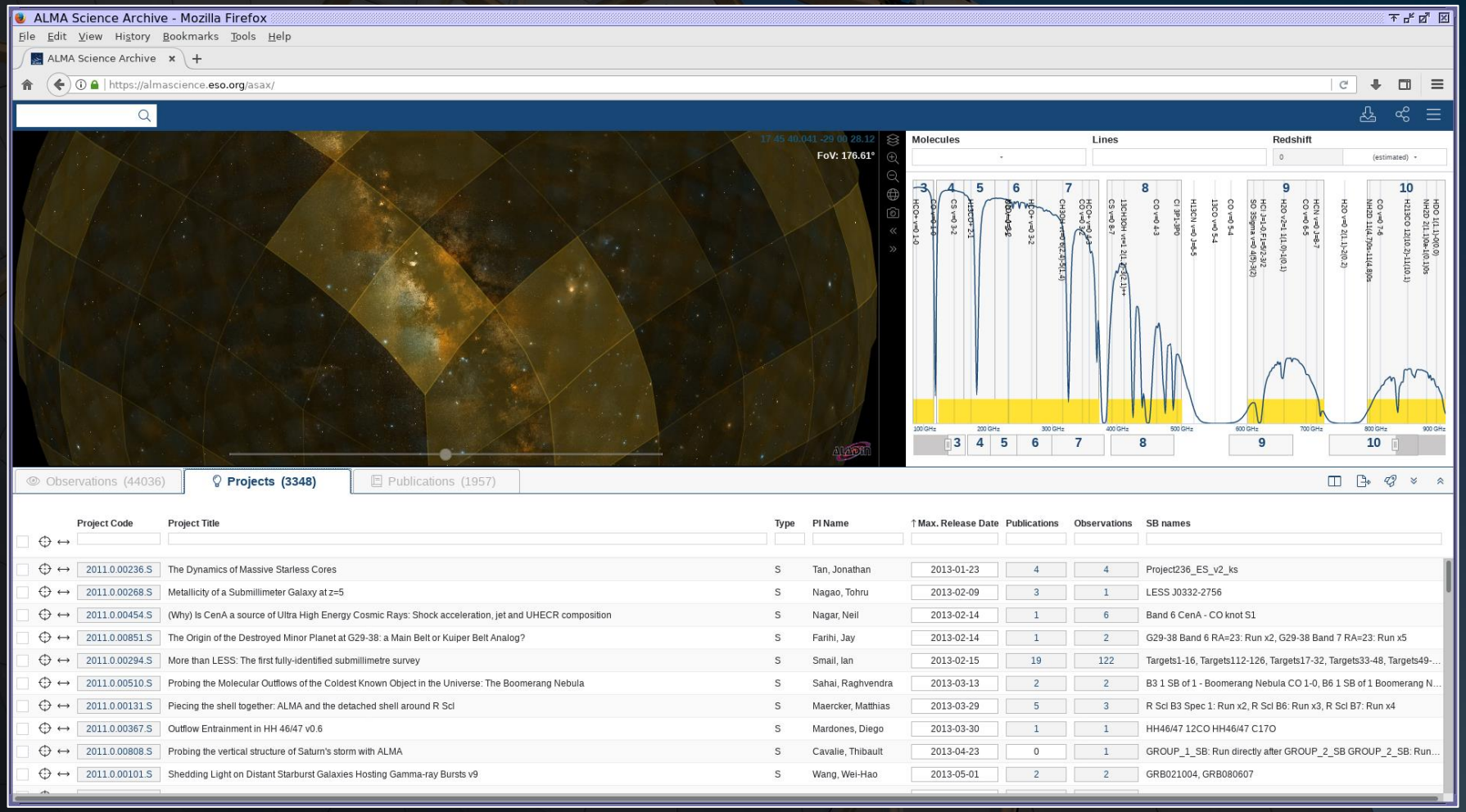
The interface has three sections:

- The sky viewer
- The spectral viewer
- The results table



The results table actually has three tabs:

- Observation
- Project
- Publication



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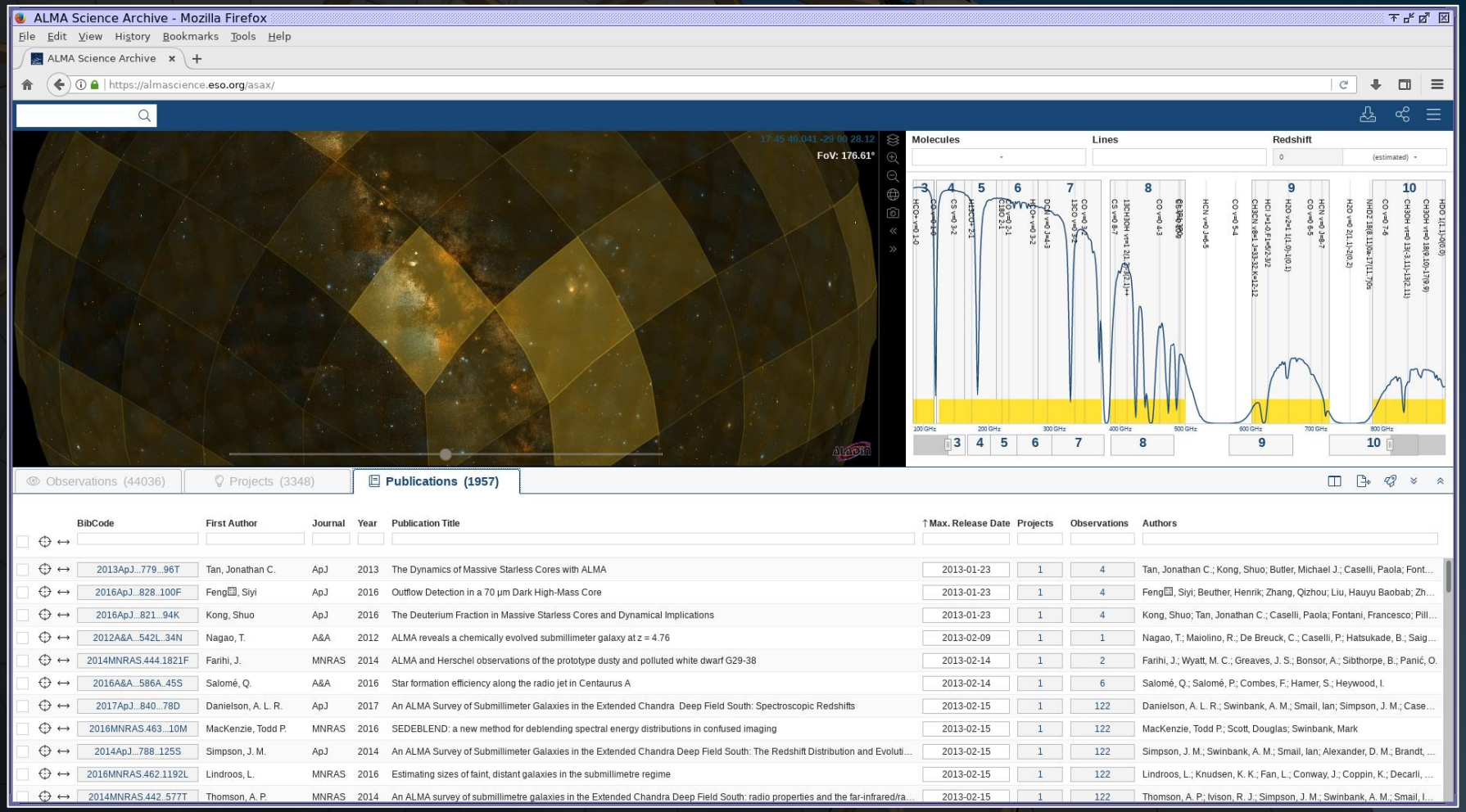
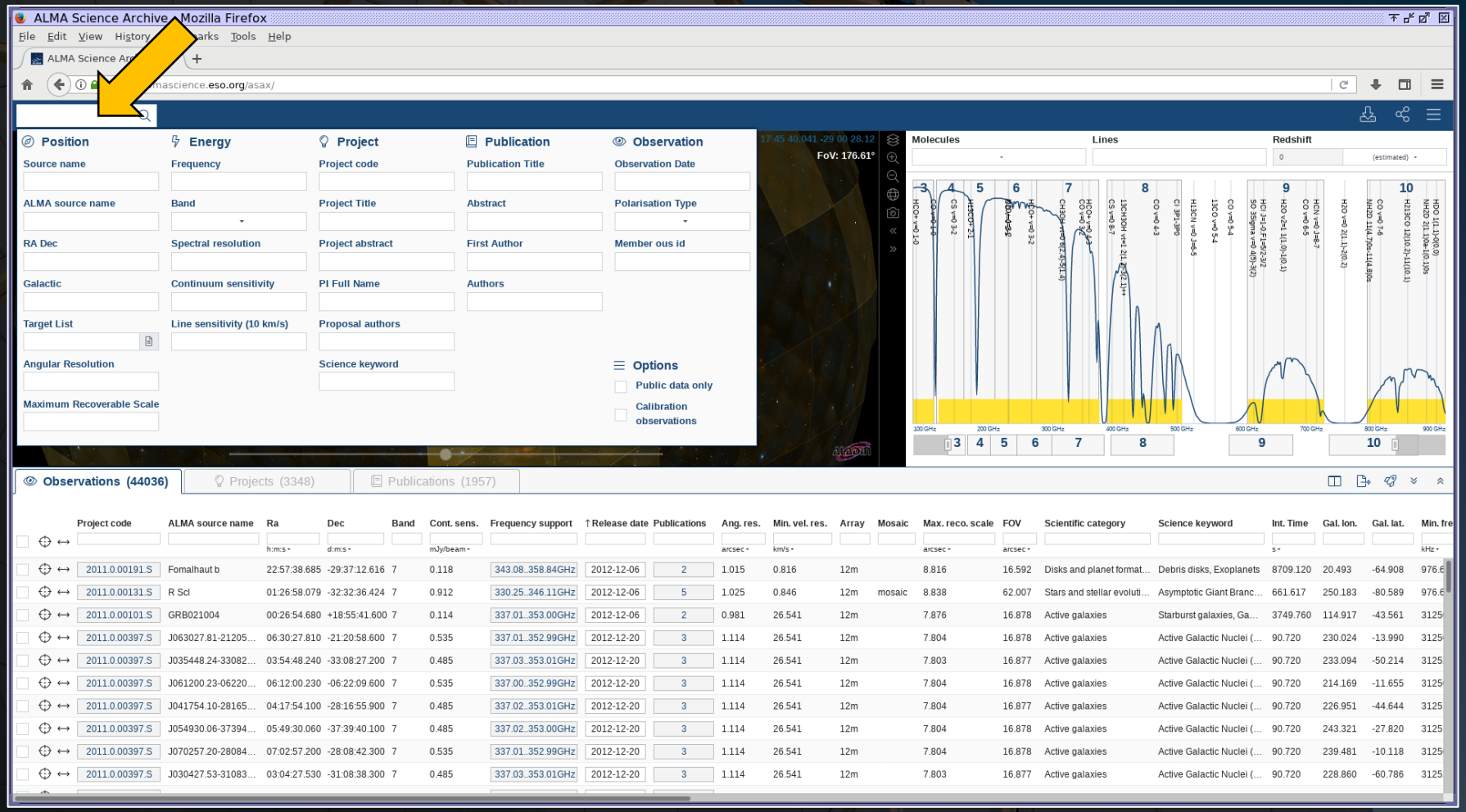
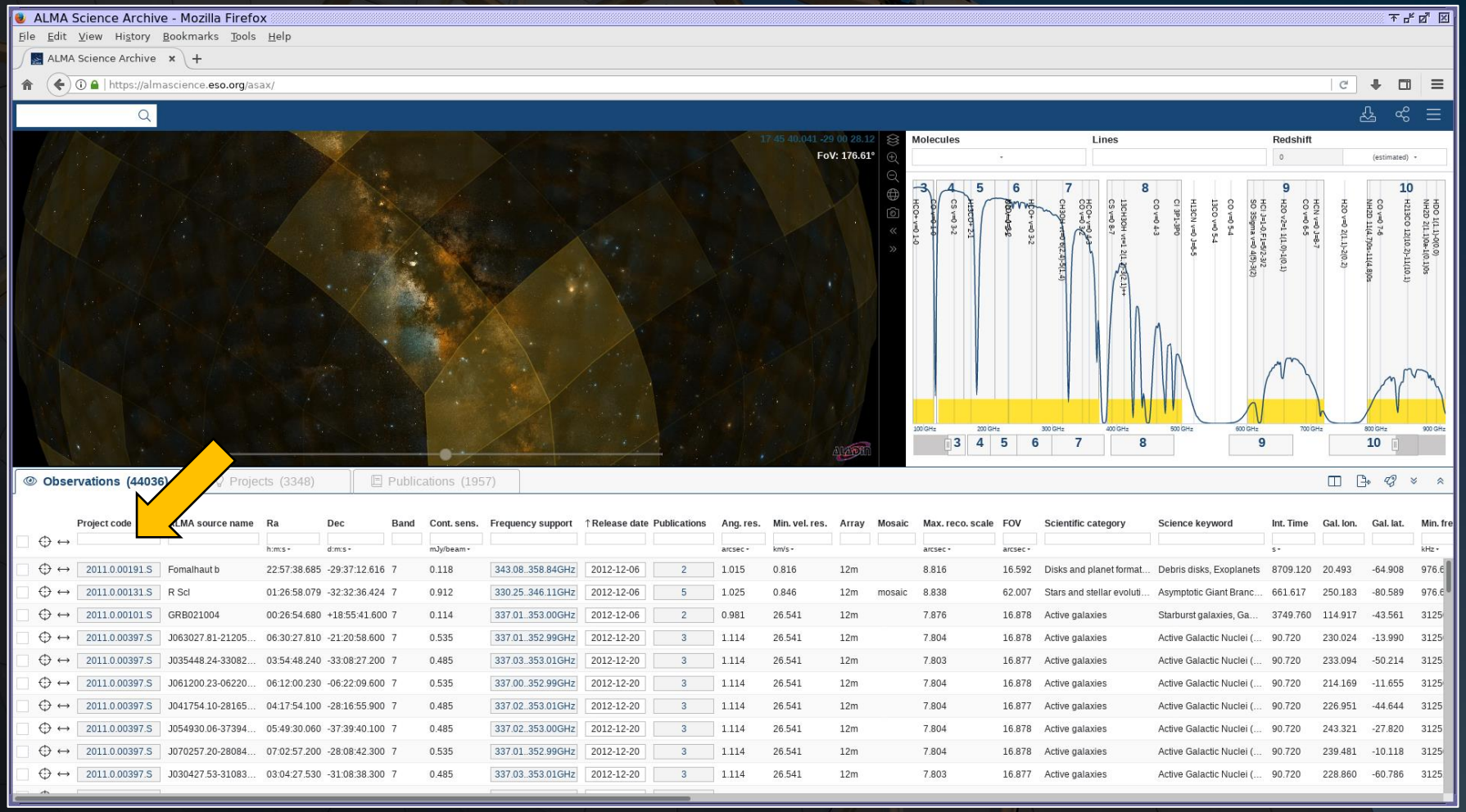


Searches can be done in one of two ways. The best way to start a search, especially for a single object, is to use the search menu that is displayed when hovering over the rectangle with the magnifying glass.

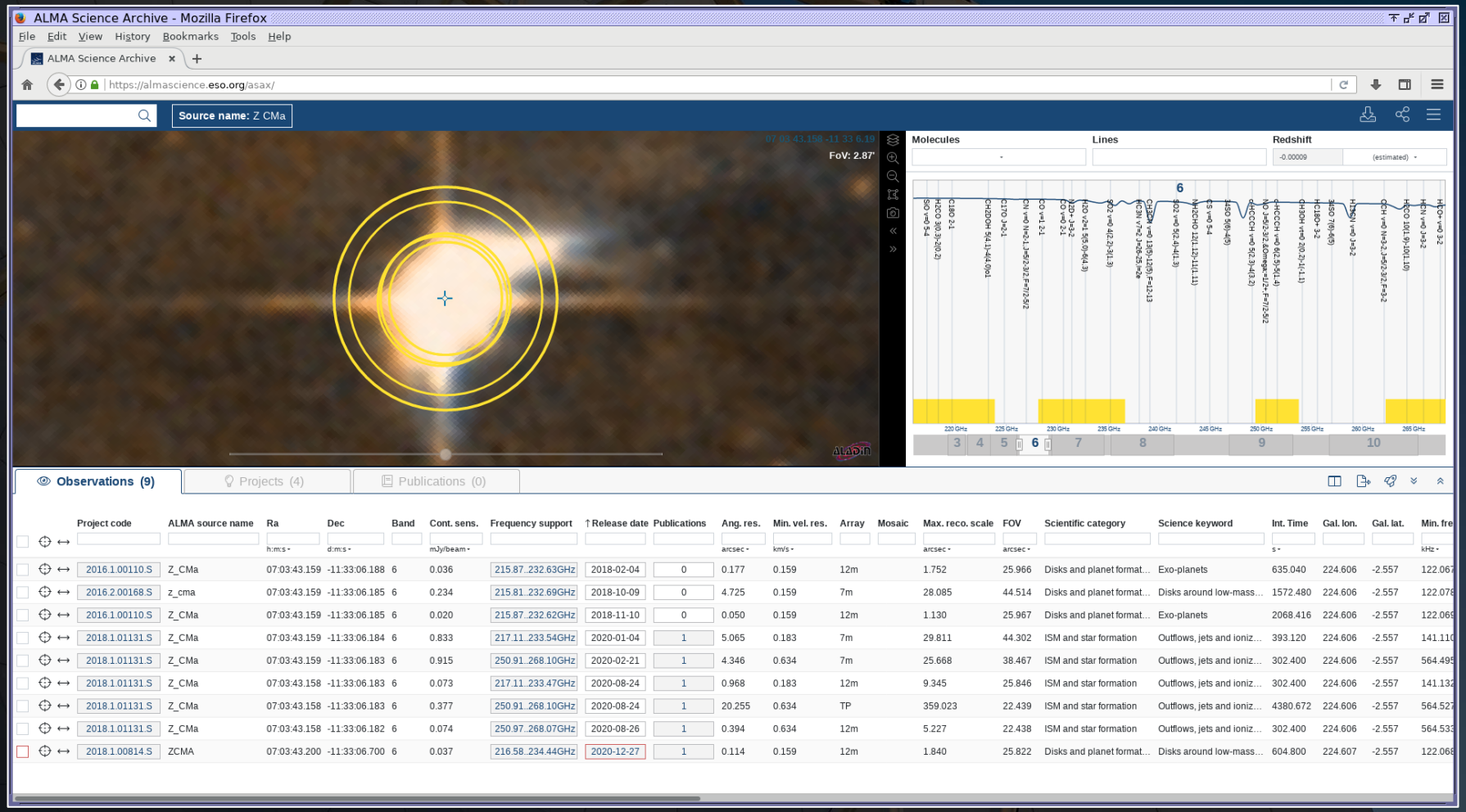



| Project code | ALMA source name | Ra | Dec | Band | Cont. sens. | Frequency support | ↑Release date | Publications | Ang. res. | Min. vel. res. | Array | Mosaic | Max. reco. scale | FOV | Scientific category | Science keyword | Int. Time | Gal. lon. | Gal. lat. | Min. fre |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | h:m:s | d:m:s | | mJy/beam | | | | arcsec | km/s | | | arcsec | arcsec | | | s | | | kHz |
| 2011.0.00191.S | Fomalhaut b | 22:57:38.685 | -29:37:12.616 | 7 | 0.118 | 343.08..358.84GHz | 2012-12-06 | 2 | 1.015 | 0.816 | 12m | | 8.816 | 16.592 | Disks and planet format… | Debris disks, Exoplanets | 8709.120 | 20.493 | -64.908 | 976.6 |
| 2011.0.00131.S | R Scl | 01:26:58.079 | -32:32:36.424 | 7 | 0.912 | 330.25..346.11GHz | 2012-12-06 | 5 | 1.025 | 0.846 | 12m | mosaic | 8.838 | 62.007 | Stars and stellar evoluti… | Asymptotic Giant Branc… | 661.617 | 250.183 | -80.589 | 976.6 |
| 2011.0.00101.S | GRB021004 | 00:26:54.680 | +18:55:41.600 | 7 | 0.114 | 337.01..353.00GHz | 2012-12-06 | 2 | 0.981 | 26.541 | 12m | | 7.876 | 16.878 | Active galaxies | Starburst galaxies, Ga… | 3749.760 | 114.917 | -43.561 | 3125 |
| 2011.0.00397.S | J063027.81-21205… | 06:30:27.810 | -21:20:58.600 | 7 | 0.535 | 337.01..352.99GHz | 2012-12-20 | 3 | 1.114 | 26.541 | 12m | | 7.804 | 16.878 | Active galaxies | Active Galactic Nuclei (… | 90.720 | 230.024 | -13.990 | 3125 |
| 2011.0.00397.S | J035448.24-33082… | 03:54:48.240 | -33:08:27.200 | 7 | 0.485 | 337.03..353.01GHz | 2012-12-20 | 3 | 1.114 | 26.541 | 12m | | 7.803 | 16.877 | Active galaxies | Active Galactic Nuclei (… | 90.720 | 233.094 | -50.214 | 3125 |
| 2011.0.00397.S | J061200.23-06220… | 06:12:00.230 | -06:22:09.600 | 7 | 0.535 | 337.00..352.99GHz | 2012-12-20 | 3 | 1.114 | 26.541 | 12m | | 7.804 | 16.878 | Active galaxies | Active Galactic Nuclei (… | 90.720 | 214.169 | -11.655 | 3125 |
| 2011.0.00397.S | J041754.10-28165… | 04:17:54.100 | -28:16:55.900 | 7 | 0.485 | 337.02..353.01GHz | 2012-12-20 | 3 | 1.114 | 26.541 | 12m | | 7.804 | 16.877 | Active galaxies | Active Galactic Nuclei (… | 90.720 | 226.951 | -44.644 | 3125 |
| 2011.0.00397.S | J054930.06-37394… | 05:49:30.060 | -37:39:40.100 | 7 | 0.485 | 337.02..353.00GHz | 2012-12-20 | 3 | 1.114 | 26.541 | 12m | | 7.804 | 16.878 | Active galaxies | Active Galactic Nuclei (… | 90.720 | 243.321 | -27.820 | 3125 |
| 2011.0.00397.S | J070257.20-28084… | 07:02:57.200 | -28:08:42.300 | 7 | 0.535 | 337.01..352.99GHz | 2012-12-20 | 3 | 1.114 | 26.541 | 12m | | 7.804 | 16.878 | Active galaxies | Active Galactic Nuclei (… | 90.720 | 239.481 | -10.118 | 3125 |
| 2011.0.00397.S | J030427.53-31083… | 03:04:27.530 | -31:08:38.300 | 7 | 0.485 | 337.03..353.01GHz | 2012-12-20 | 3 | 1.114 | 26.541 | 12m | | 7.803 | 16.877 | Active galaxies | Active Galactic Nuclei (… | 90.720 | 228.860 | -60.786 | 3125 |

The other method is to type in search criteria in the entry fields above each column in the results table. This can also be done after initially setting up a search using the search menu.

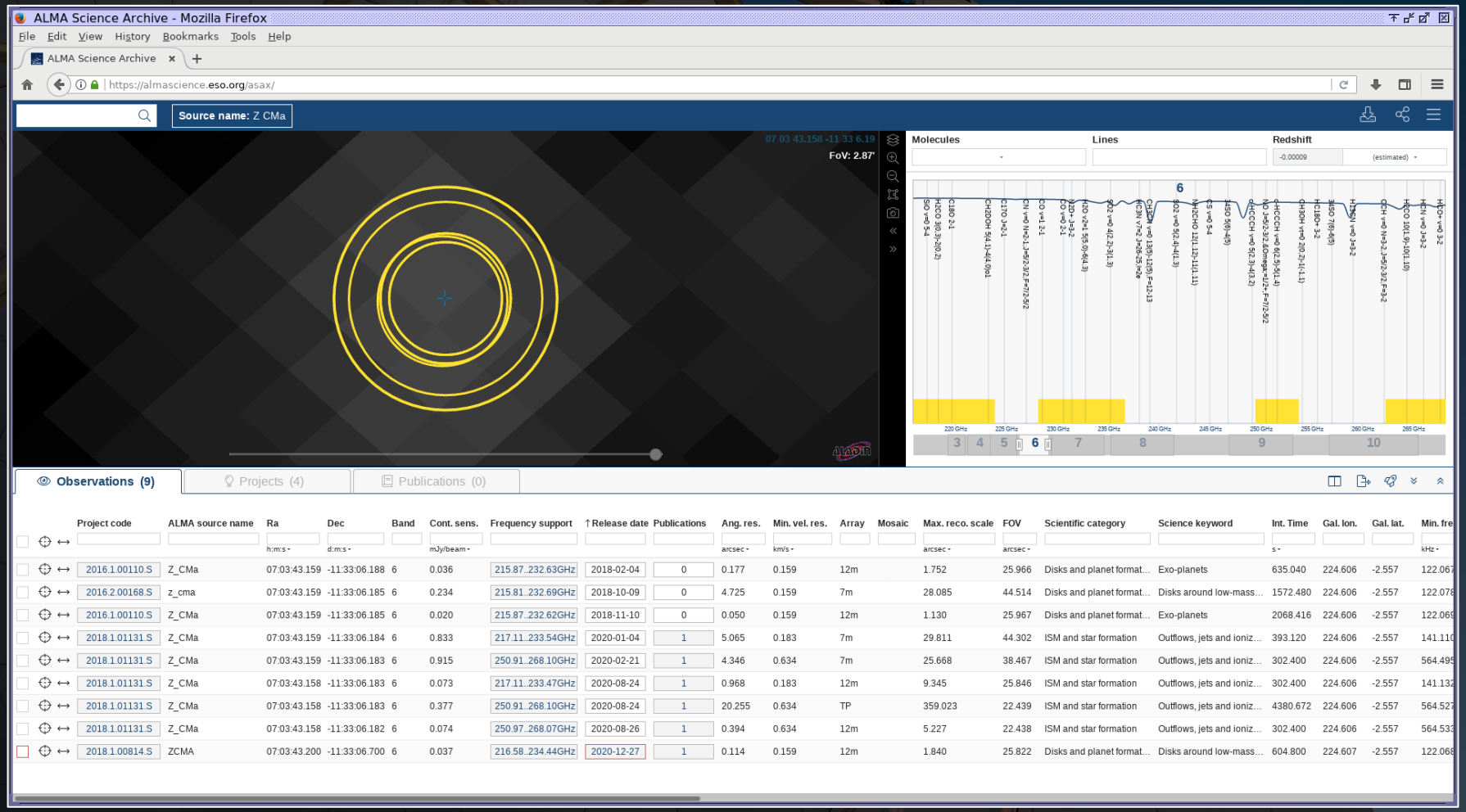


When the number of results in the results table changes, the map and spectrum panels will automatically adjust to show the observed fields and spectra in more detail.




| Project code | ALMA source name | Ra | Dec | Band | Cont. sens. | Frequency support | ↑Release date | Publications | Ang. res. | Min. vel. res. | Array | Mosaic | Max. reco. scale | FOV | Scientific category | Science keyword | Int. Time | Gal. lon. | Gal. lat. | Min. fre |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | h:m:s | d:m:s | | mJy/beam | | | | arcsec | km/s | | | arcsec | arcsec | | | s | | | kHz |
| 2016.1.00110.S | Z_CMa | 07:03:43.159 | -11:33:06.188 | 6 | 0.036 | 215.87..232.63GHz | 2018-02-04 | 0 | 0.177 | 0.159 | 12m | | 1.752 | 25.966 | Disks and planet format… | Exo-planets | 635.040 | 224.606 | -2.557 | 122.067 |
| 2016.2.00168.S | z_cma | 07:03:43.159 | -11:33:06.185 | 6 | 0.234 | 215.81..232.69GHz | 2018-10-09 | 0 | 4.725 | 0.159 | 7m | | 28.085 | 44.514 | Disks and planet format… | Disks around low-mass… | 1572.480 | 224.606 | -2.557 | 122.078 |
| 2016.1.00110.S | Z_CMa | 07:03:43.159 | -11:33:06.185 | 6 | 0.020 | 215.87..232.62GHz | 2018-11-10 | 0 | 0.050 | 0.159 | 12m | | 1.130 | 25.967 | Disks and planet format… | Exo-planets | 2068.416 | 224.606 | -2.557 | 122.069 |
| 2018.1.01131.S | Z_CMa | 07:03:43.159 | -11:33:06.184 | 6 | 0.833 | 217.11..233.54GHz | 2020-01-04 | 1 | 5.065 | 0.183 | 7m | | 29.811 | 44.302 | ISM and star formation | Outflows, jets and ioniz… | 393.120 | 224.606 | -2.557 | 141.110 |
| 2018.1.01131.S | Z_CMa | 07:03:43.159 | -11:33:06.183 | 6 | 0.915 | 250.91..268.10GHz | 2020-02-21 | 1 | 4.346 | 0.634 | 7m | | 25.668 | 38.467 | ISM and star formation | Outflows, jets and ioniz… | 302.400 | 224.606 | -2.557 | 564.495 |
| 2018.1.01131.S | Z_CMa | 07:03:43.158 | -11:33:06.183 | 6 | 0.073 | 217.11..233.47GHz | 2020-08-24 | 1 | 0.968 | 0.183 | 12m | | 9.345 | 25.846 | ISM and star formation | Outflows, jets and ioniz… | 302.400 | 224.606 | -2.557 | 141.132 |
| 2018.1.01131.S | Z_CMa | 07:03:43.158 | -11:33:06.183 | 6 | 0.377 | 250.91..268.10GHz | 2020-08-24 | 1 | 20.255 | 0.634 | TP | | 359.023 | 22.439 | ISM and star formation | Outflows, jets and ioniz… | 4380.672 | 224.606 | -2.557 | 564.527 |
| 2018.1.01131.S | Z_CMa | 07:03:43.158 | -11:33:06.182 | 6 | 0.074 | 250.97..268.07GHz | 2020-08-26 | 1 | 0.394 | 0.634 | 12m | | 5.227 | 22.438 | ISM and star formation | Outflows, jets and ioniz… | 302.400 | 224.606 | -2.557 | 564.533 |
| 2018.1.00814.S | ZCMA | 07:03:43.200 | -11:33:06.700 | 6 | 0.037 | 216.58..234.44GHz | 2020-12-27 | 1 | 0.114 | 0.159 | 12m | | 1.840 | 25.822 | Disks and planet format… | Disks around low-mass… | 604.800 | 224.607 | -2.557 | 122.068 |

The map display can be adjusted to display different wavebands. The spectrum can be adjusted to show broader or narrower frequency ranges, to show different spectral lines, and to show those lines at different redshifts.

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | h:m:s | d:m:s | | mJy/beam | | | | arcsec | km/s | | | arcsec | arcsec | | | s | | | kHz |
| 2016.1.00110.S | Z_CMa | 07:03:43.159 | -11:33:06.188 | 6 | 0.036 | 215.87..232.63GHz | 2018-02-04 | 0 | 0.177 | 0.159 | 12m | | 1.752 | 25.966 | Disks and planet format… | Exo-planets | 635.040 | 224.606 | -2.557 | 122.067 |
| 2016.2.00168.S | z_cma | 07:03:43.159 | -11:33:06.185 | 6 | 0.234 | 215.81..232.69GHz | 2018-10-09 | 0 | 4.725 | 0.159 | 7m | | 28.085 | 44.514 | Disks and planet format… | Disks around low-mass… | 1572.480 | 224.606 | -2.557 | 122.078 |
| 2016.1.00110.S | Z_CMa | 07:03:43.159 | -11:33:06.185 | 6 | 0.020 | 215.87..232.62GHz | 2018-11-10 | 0 | 0.050 | 0.159 | 12m | | 1.130 | 25.967 | Disks and planet format… | Exo-planets | 2068.416 | 224.606 | -2.557 | 122.066 |
| 2018.1.01131.S | Z_CMa | 07:03:43.159 | -11:33:06.184 | 6 | 0.833 | 217.11..233.54GHz | 2020-01-04 | 1 | 5.065 | 0.183 | 7m | | 29.811 | 44.302 | ISM and star formation | Outflows, jets and ioniz… | 393.120 | 224.606 | -2.557 | 141.110 |
| 2018.1.01131.S | Z_CMa | 07:03:43.159 | -11:33:06.183 | 6 | 0.915 | 250.91..268.10GHz | 2020-02-21 | 1 | 4.346 | 0.634 | 7m | | 25.668 | 38.467 | ISM and star formation | Outflows, jets and ioniz… | 302.400 | 224.606 | -2.557 | 564.495 |
| 2018.1.01131.S | Z_CMa | 07:03:43.158 | -11:33:06.183 | 6 | 0.073 | 217.11..233.47GHz | 2020-08-24 | 1 | 0.968 | 0.183 | 12m | | 9.345 | 25.846 | ISM and star formation | Outflows, jets and ioniz… | 302.400 | 224.606 | -2.557 | 141.132 |
| 2018.1.01131.S | Z_CMa | 07:03:43.158 | -11:33:06.183 | 6 | 0.377 | 250.91..268.10GHz | 2020-08-24 | 1 | 20.255 | 0.634 | TP | | 359.023 | 22.439 | ISM and star formation | Outflows, jets and ioniz… | 4380.672 | 224.606 | -2.557 | 564.527 |
| 2018.1.01131.S | Z_CMa | 07:03:43.158 | -11:33:06.182 | 6 | 0.074 | 250.97..268.07GHz | 2020-08-26 | 1 | 0.394 | 0.634 | 12m | | 5.227 | 22.438 | ISM and star formation | Outflows, jets and ioniz… | 302.400 | 224.606 | -2.557 | 564.533 |
| 2018.1.00814.S | ZCMA | 07:03:43.200 | -11:33:06.700 | 6 | 0.037 | 216.58..234.44GHz | 2020-12-27 | 1 | 0.114 | 0.159 | 12m | | 1.840 | 25.822 | Disks and planet format… | Disks around low-mass… | 604.800 | 224.607 | -2.557 | 122.068 |

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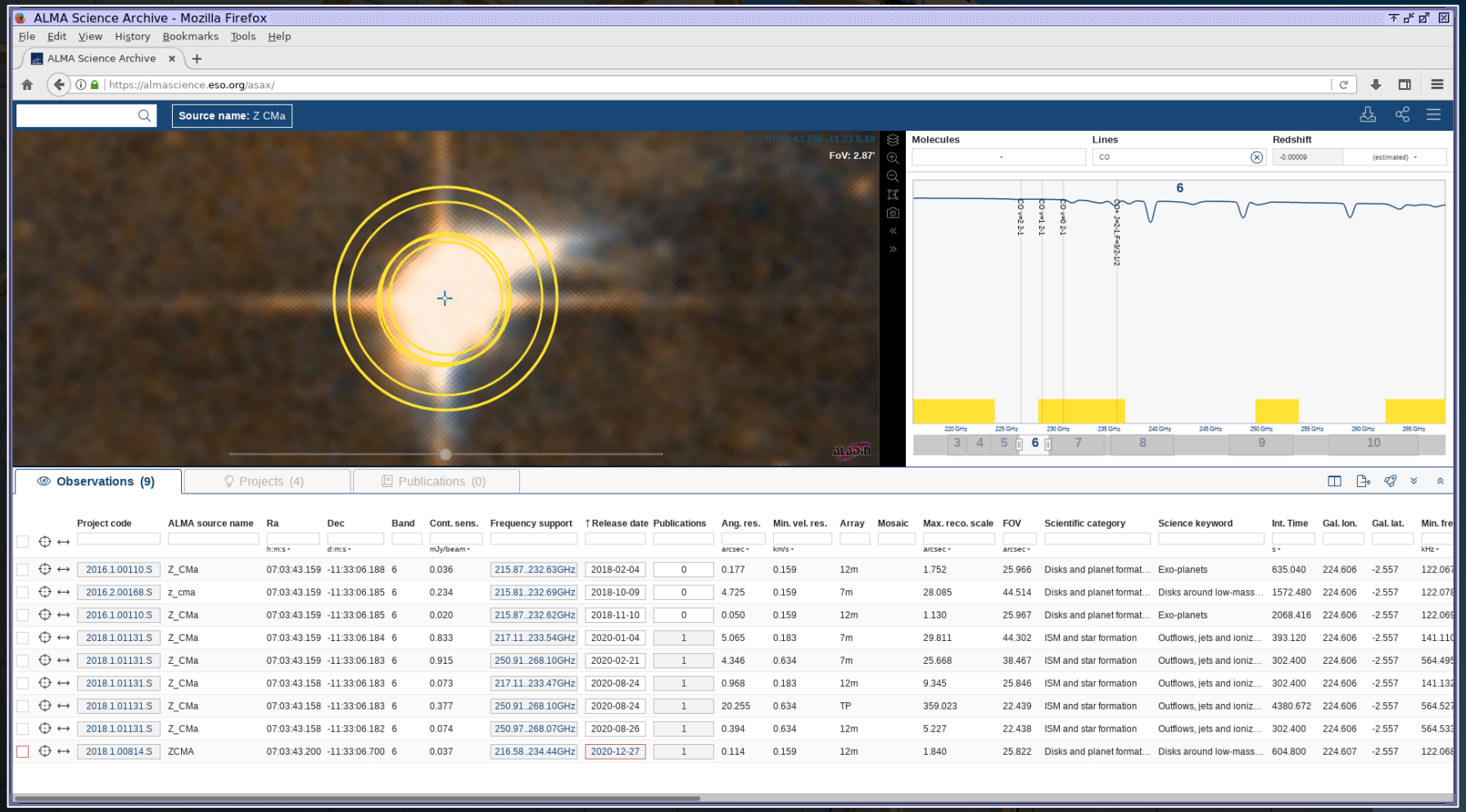


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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | h:m:s | d:m:s | | mJy/beam | | | | arcsec | km/s | | | arcsec | arcsec | | | s | | | kHz |
| 2016.1.00110.S | Z_CMa | 07:03:43.159 | -11:33:06.188 | 6 | 0.036 | 215.87..232.63GHz | 2018-02-04 | 0 | 0.177 | 0.159 | 12m | | 1.752 | 25.966 | Disks and planet format… | Exo-planets | 635.040 | 224.606 | -2.557 | 122.067 |
| 2016.2.00168.S | z_cma | 07:03:43.159 | -11:33:06.185 | 6 | 0.234 | 215.81..232.69GHz | 2018-10-09 | 0 | 4.725 | 0.159 | 7m | | 28.085 | 44.514 | Disks and planet format… | Disks around low-mass… | 1572.480 | 224.606 | -2.557 | 122.078 |
| 2016.1.00110.S | Z_CMa | 07:03:43.159 | -11:33:06.185 | 6 | 0.020 | 215.87..232.62GHz | 2018-11-10 | 0 | 0.050 | 0.159 | 12m | | 1.130 | 25.967 | Disks and planet format… | Exo-planets | 2068.416 | 224.606 | -2.557 | 122.066 |
| 2018.1.01131.S | Z_CMa | 07:03:43.159 | -11:33:06.184 | 6 | 0.833 | 217.11..233.54GHz | 2020-01-04 | 1 | 5.065 | 0.183 | 7m | | 29.811 | 44.302 | ISM and star formation | Outflows, jets and ioniz… | 393.120 | 224.606 | -2.557 | 141.110 |
| 2018.1.01131.S | Z_CMa | 07:03:43.159 | -11:33:06.183 | 6 | 0.915 | 250.91..268.10GHz | 2020-02-21 | 1 | 4.346 | 0.634 | 7m | | 25.668 | 38.467 | ISM and star formation | Outflows, jets and ioniz… | 302.400 | 224.606 | -2.557 | 564.495 |
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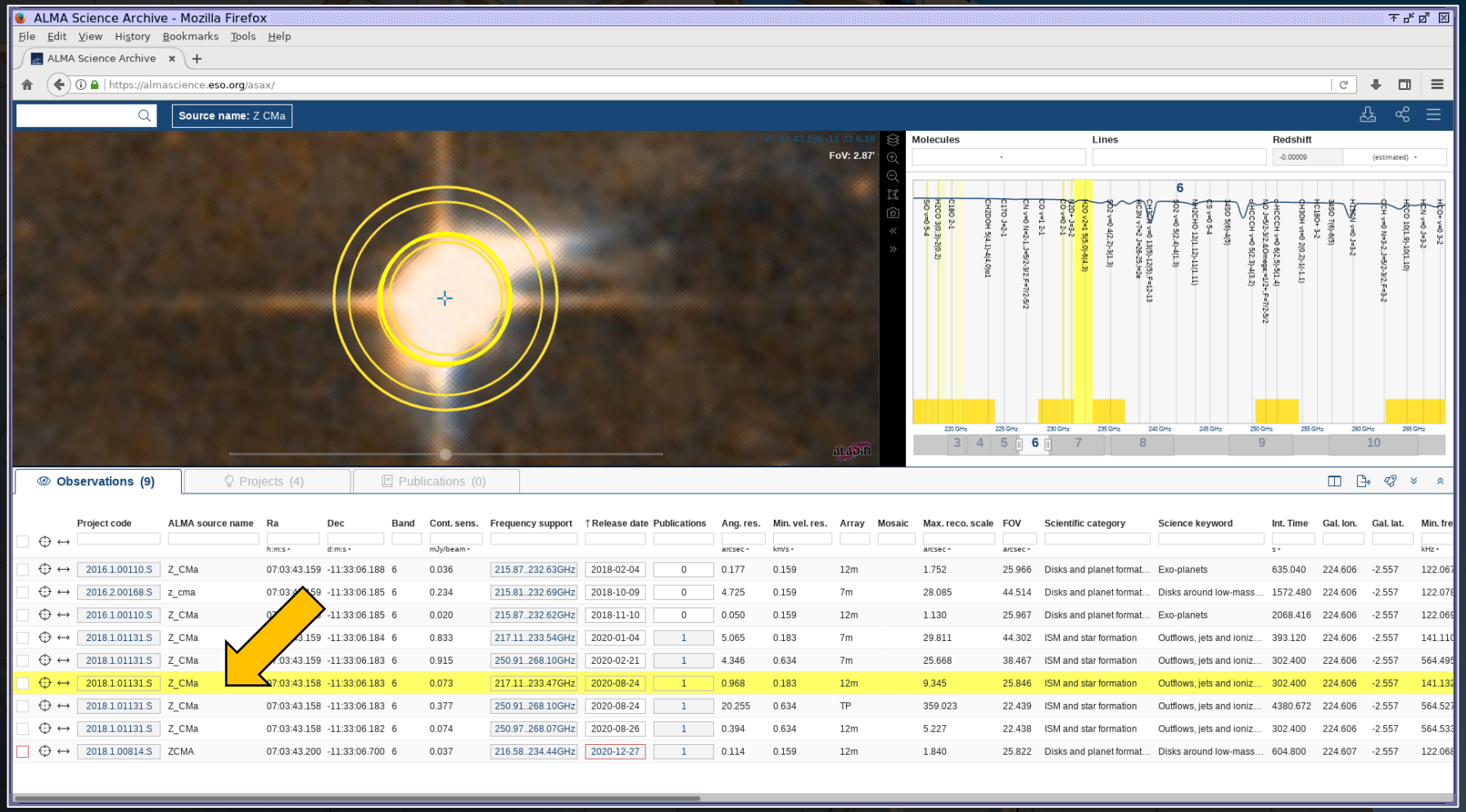
| 2018.1.00814.S | ZCMA | 07:03:43.200 | -11:33:06.700 | 6 | 0.037 | 216.58..234.44GHz | 2020-12-27 | 1 | 0.114 | 0.159 | 12m | | 1.840 | 25.822 | Disks and planet format… | Disks around low-mass… | 604.800 | 224.607 | -2.557 | 122.068 |

Hovering over an entry in the results table will highlight the row, the field in the map panel, and the frequency ranges in the spectrum panel.

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | h:m:s | d:m:s | | mJy/beam | | | | arcsec | km/s | | | arcsec | arcsec | | | s | | | kHz |
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| 2016.1.00110.S | Z_CMa | 07:03:43.159 | -11:33:06.185 | 6 | 0.020 | 215.87..232.62GHz | 2018-11-10 | 0 | 0.050 | 0.159 | 12m | | 1.130 | 25.967 | Disks and planet format… | Exo-planets | 2068.416 | 224.606 | -2.557 | 122.069 |
| 2018.1.01131.S | Z_CMa | 07:03:43.159 | -11:33:06.184 | 6 | 0.833 | 217.11..233.54GHz | 2020-01-04 | 1 | 5.065 | 0.183 | 7m | | 29.811 | 44.302 | ISM and star formation | Outflows, jets and ioniz… | 393.120 | 224.606 | -2.557 | 141.110 |
| 2018.1.01131.S | Z_CMa | 07:03:43.159 | -11:33:06.183 | 6 | 0.915 | 250.91..268.10GHz | 2020-02-21 | 1 | 4.346 | 0.634 | 7m | | 25.668 | 38.467 | ISM and star formation | Outflows, jets and ioniz… | 302.400 | 224.606 | -2.557 | 564.495 |
| 2018.1.01131.S | Z_CMa | 07:03:43.158 | -11:33:06.183 | 6 | 0.073 | 217.11..233.47GHz | 2020-08-24 | 1 | 0.968 | 0.183 | 12m | | 9.345 | 25.846 | ISM and star formation | Outflows, jets and ioniz… | 302.400 | 224.606 | -2.557 | 141.132 |
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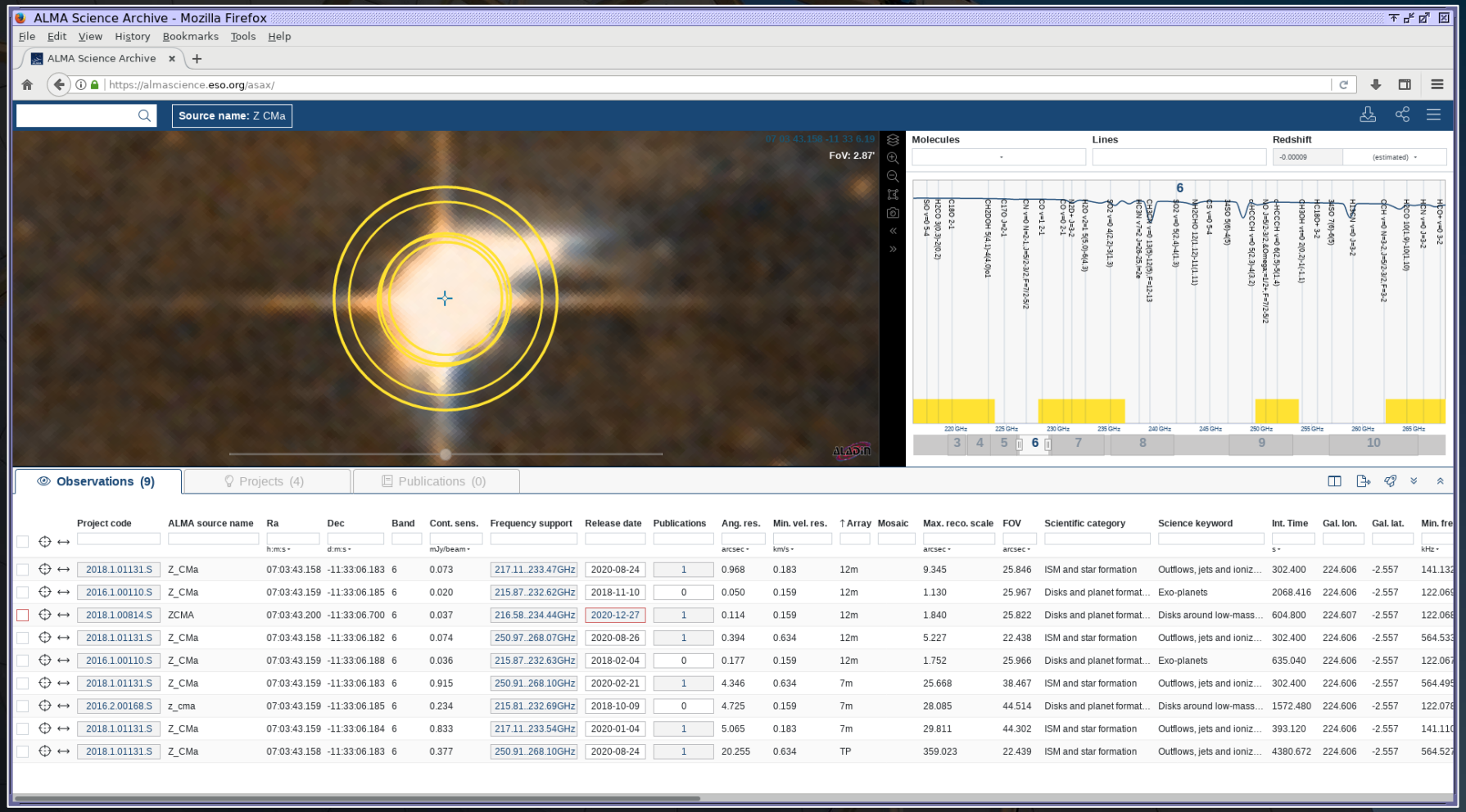
| 2018.1.00814.S | ZCMA | 07:03:43.200 | -11:33:06.700 | 6 | 0.037 | 216.58..234.44GHz | 2020-12-27 | 1 | 0.114 | 0.159 | 12m | | 1.840 | 25.822 | Disks and planet format… | Disks around low-mass… | 604.800 | 224.607 | -2.557 | 122.068 |

The results from a search can be sorted by any column. The results can also be further filtered.

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| | | h:m:s | d:m:s | | mJy/beam | | | | arcsec | km/s | | | arcsec | arcsec | | | s | | | kHz |
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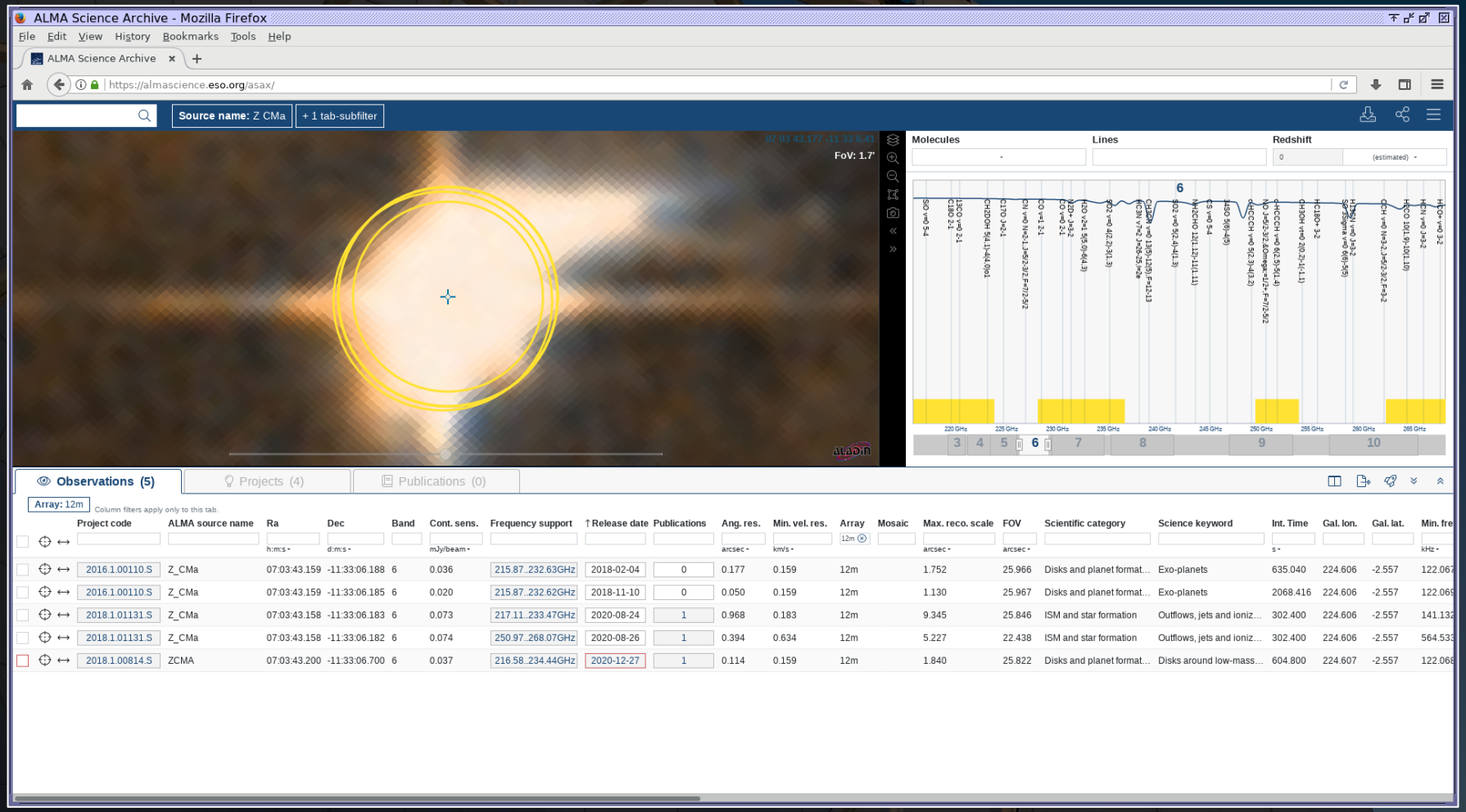
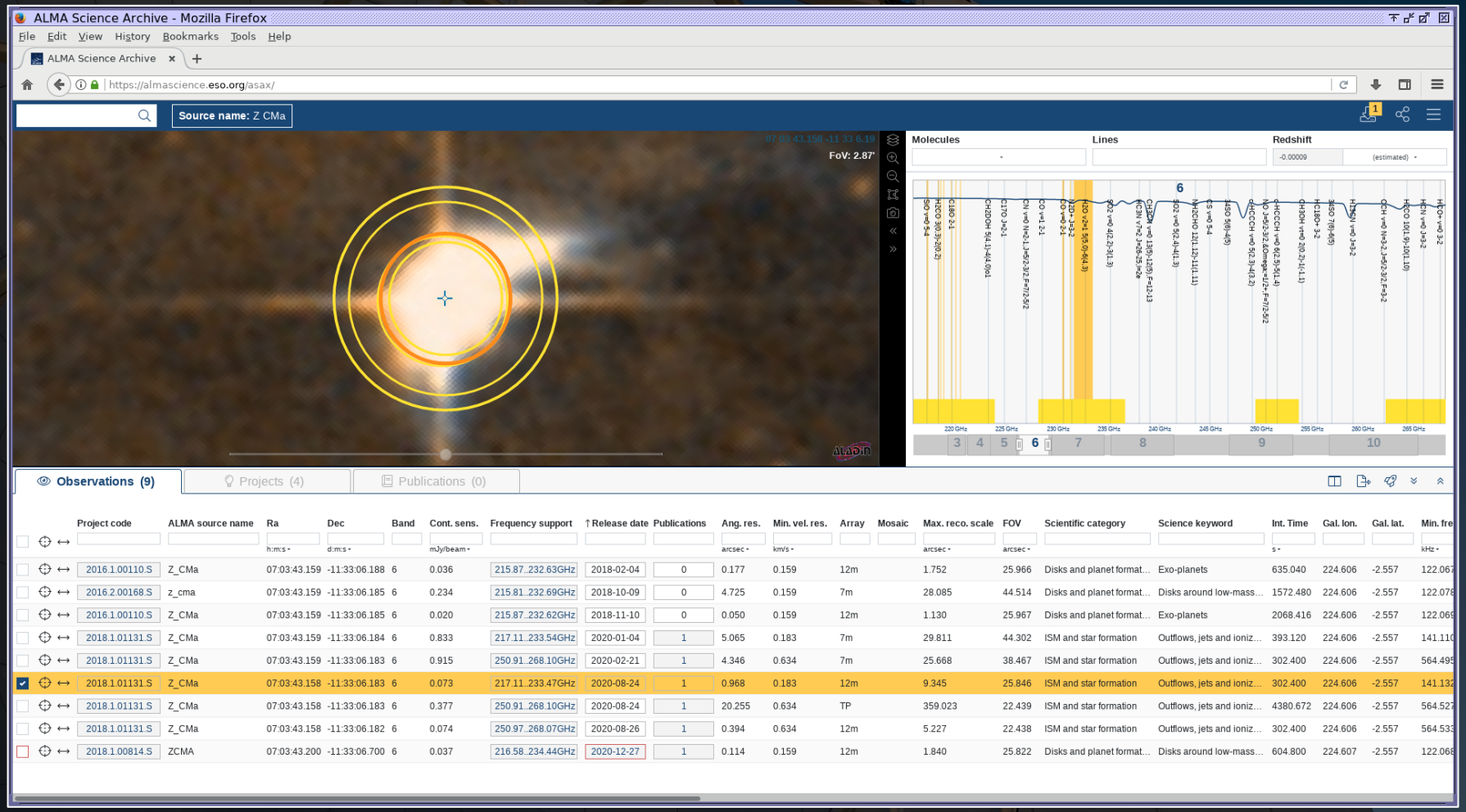
| 2016.1.00110.S | Z_CMa | 07:03:43.159 | -11:33:06.185 | 6 | 0.020 | 215.87..232.62GHz | 2018-11-10 | 0 | 0.050 | 0.159 | 12m | | 1.130 | 25.967 | Disks and planet format... | Exo-planets | 2068.416 | 224.606 | -2.557 | 122.069 |
| 2018.1.00814.S | ZCMA | 07:03:43.200 | -11:33:06.700 | 6 | 0.037 | 216.58..234.44GHz | 2020-12-27 | 1 | 0.114 | 0.159 | 12m | | 1.840 | 25.822 | Disks and planet format... | Disks around low-mass... | 604.800 | 224.607 | -2.557 | 122.068 |
| 2018.1.01131.S | Z_CMa | 07:03:43.158 | -11:33:06.182 | 6 | 0.074 | 250.97..268.07GHz | 2020-08-26 | 1 | 0.394 | 0.634 | 12m | | 5.227 | 22.438 | ISM and star formation | Outflows, jets and ioniz... | 302.400 | 224.606 | -2.557 | 564.533 |
| 2016.1.00110.S | Z_CMa | 07:03:43.159 | -11:33:06.188 | 6 | 0.036 | 215.87..232.63GHz | 2018-02-04 | 0 | 0.177 | 0.159 | 12m | | 1.752 | 25.966 | Disks and planet format... | Exo-planets | 635.040 | 224.606 | -2.557 | 122.067 |
| 2018.1.01131.S | Z_CMa | 07:03:43.159 | -11:33:06.183 | 6 | 0.915 | 250.91..268.10GHz | 2020-02-21 | 1 | 4.346 | 0.634 | 7m | | 25.668 | 38.467 | ISM and star formation | Outflows, jets and ioniz... | 302.400 | 224.606 | -2.557 | 564.495 |
| 2016.2.00168.S | z_cma | 07:03:43.159 | -11:33:06.185 | 6 | 0.234 | 215.81..232.69GHz | 2018-10-09 | 0 | 4.725 | 0.159 | 7m | | 28.085 | 44.514 | Disks and planet format... | Disks around low-mass... | 1572.480 | 224.606 | -2.557 | 122.078 |
| 2018.1.01131.S | Z_CMa | 07:03:43.159 | -11:33:06.184 | 6 | 0.833 | 217.11..233.54GHz | 2020-01-04 | 1 | 5.065 | 0.183 | 7m | | 29.811 | 44.302 | ISM and star formation | Outflows, jets and ioniz... | 393.120 | 224.606 | -2.557 | 141.110 |
| 2018.1.01131.S | Z_CMa | 07:03:43.158 | -11:33:06.183 | 6 | 0.377 | 250.91..268.10GHz | 2020-08-24 | 1 | 20.255 | 0.634 | TP | | 359.023 | 22.439 | ISM and star formation | Outflows, jets and ioniz... | 4380.672 | 224.606 | -2.557 | 564.527 |

The results from a search can be sorted by any column. The results can also be further filtered.



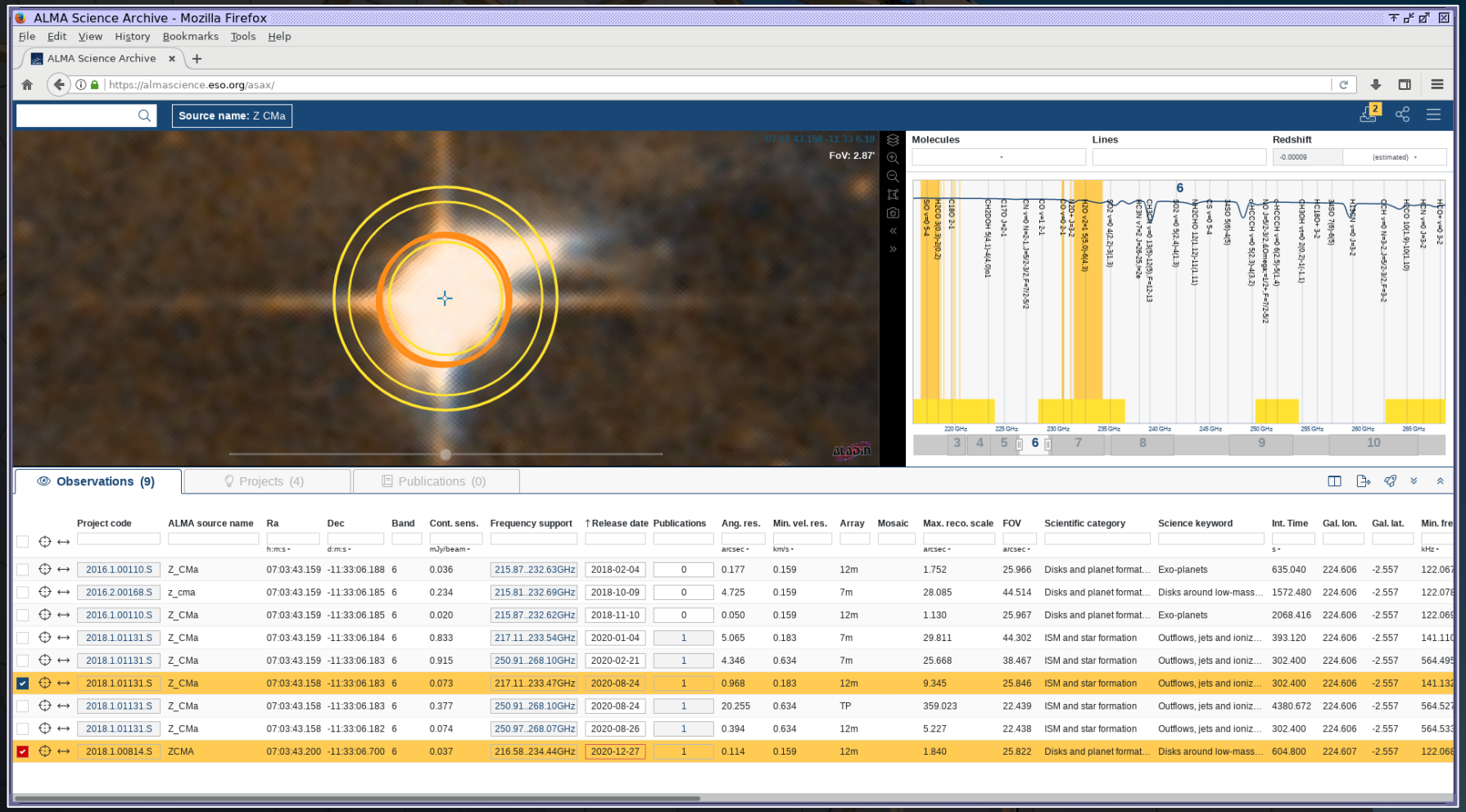

| Project code | ALMA source name | Ra | Dec | Band | Cont. sens. | Frequency support | ↑Release date | Publications | Ang. res. | Min. vel. res. | Array | Mosaic | Max. reco. scale | FOV | Scientific category | Science keyword | Int. Time | Gal. lon. | Gal. lat. | Min. fre |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | h:m:s | d:m:s | | mJy/beam | | | | arcsec | km/s | 12m | | arcsec | arcsec | | | s | | | kHz |
| 2016.1.00110.S | Z_CMa | 07:03:43.159 | -11:33:06.188 | 6 | 0.036 | 215.87..232.63GHz | 2018-02-04 | 0 | 0.177 | 0.159 | 12m | | 1.752 | 25.966 | Disks and planet format… | Exo-planets | 635.040 | 224.606 | -2.557 | 122.067 |
| 2016.1.00110.S | Z_CMa | 07:03:43.159 | -11:33:06.185 | 6 | 0.020 | 215.87..232.62GHz | 2018-11-10 | 0 | 0.050 | 0.159 | 12m | | 1.130 | 25.967 | Disks and planet format… | Exo-planets | 2068.416 | 224.606 | -2.557 | 122.069 |
| 2018.1.01131.S | Z_CMa | 07:03:43.158 | -11:33:06.183 | 6 | 0.073 | 217.11..233.47GHz | 2020-08-24 | 1 | 0.968 | 0.183 | 12m | | 9.345 | 25.846 | ISM and star formation | Outflows, jets and ioniz… | 302.400 | 224.606 | -2.557 | 141.132 |
| 2018.1.01131.S | Z_CMa | 07:03:43.158 | -11:33:06.182 | 6 | 0.074 | 250.97..268.07GHz | 2020-08-26 | 1 | 0.394 | 0.634 | 12m | | 5.227 | 22.438 | ISM and star formation | Outflows, jets and ioniz… | 302.400 | 224.606 | -2.557 | 564.533 |
| 2018.1.00814.S | ZCMA | 07:03:43.200 | -11:33:06.700 | 6 | 0.037 | 216.58..234.44GHz | 2020-12-27 | 1 | 0.114 | 0.159 | 12m | | 1.840 | 25.822 | Disks and planet format… | Disks around low-mass… | 604.800 | 224.607 | -2.557 | 122.068 |

Clicking on the checkbox next to an observation will select the data for download. The row will change to orange as will the field in the map panel and the frequency range in the spectral plot.



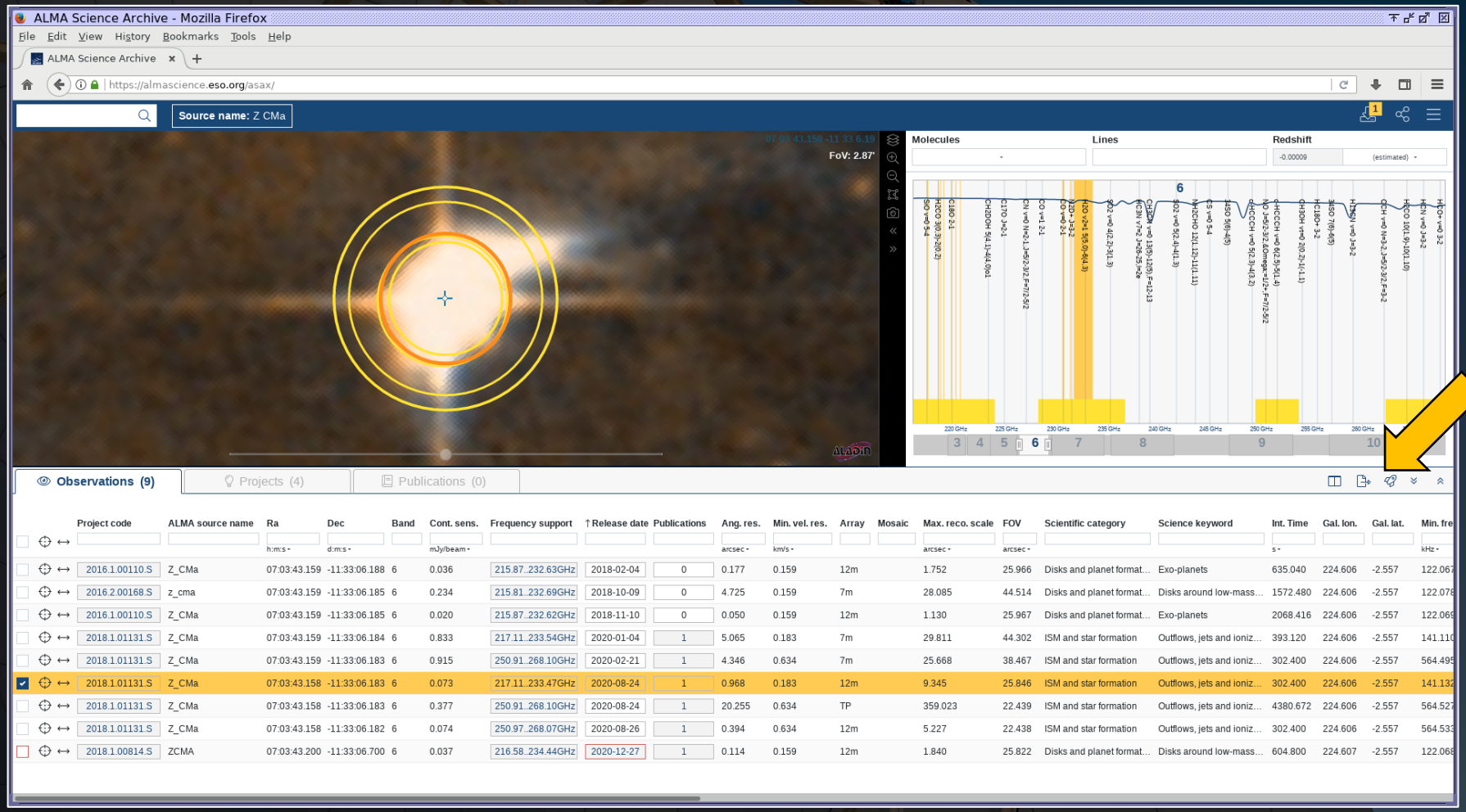

| | Project code | ALMA source name | Ra | Dec | Band | Cont. sens. | Frequency support | ↑Release date | Publications | Ang. res. | Min. vel. res. | Array | Mosaic | Max. reco. scale | FOV | Scientific category | Science keyword | Int. Time | Gal. lon. | Gal. lat. | Min. fre |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | h:m:s | d:m:s | | mJy/beam | | | | arcsec | km/s | | | arcsec | arcsec | | | s | | | kHz |
| | 2016.1.00110.S | Z_CMa | 07:03:43.159 | -11:33:06.188 | 6 | 0.036 | 215.87..232.63GHz | 2018-02-04 | 0 | 0.177 | 0.159 | 12m | | 1.752 | 25.966 | Disks and planet format… | Exo-planets | 635.040 | 224.606 | -2.557 | 122.067 |
| | 2016.2.00168.S | z_cma | 07:03:43.159 | -11:33:06.185 | 6 | 0.234 | 215.81..232.69GHz | 2018-10-09 | 0 | 4.725 | 0.159 | 7m | | 28.085 | 44.514 | Disks and planet format… | Disks around low-mass… | 1572.480 | 224.606 | -2.557 | 122.078 |
| | 2016.1.00110.S | Z_CMa | 07:03:43.159 | -11:33:06.185 | 6 | 0.020 | 215.87..232.62GHz | 2018-11-10 | 0 | 0.050 | 0.159 | 12m | | 1.130 | 25.967 | Disks and planet format… | Exo-planets | 2068.416 | 224.606 | -2.557 | 122.069 |
| | 2018.1.01131.S | Z_CMa | 07:03:43.159 | -11:33:06.184 | 6 | 0.833 | 217.11..233.54GHz | 2020-01-04 | 1 | 5.065 | 0.183 | 7m | | 29.811 | 44.302 | ISM and star formation | Outflows, jets and ioniz… | 393.120 | 224.606 | -2.557 | 141.110 |
| | 2018.1.01131.S | Z_CMa | 07:03:43.159 | -11:33:06.183 | 6 | 0.915 | 250.91..268.10GHz | 2020-02-21 | 1 | 4.346 | 0.634 | 7m | | 25.668 | 38.467 | ISM and star formation | Outflows, jets and ioniz… | 302.400 | 224.606 | -2.557 | 564.495 |
| ☑ | 2018.1.01131.S | Z_CMa | 07:03:43.158 | -11:33:06.183 | 6 | 0.073 | 217.11..233.47GHz | 2020-08-24 | 1 | 0.968 | 0.183 | 12m | | 9.345 | 25.846 | ISM and star formation | Outflows, jets and ioniz… | 302.400 | 224.606 | -2.557 | 141.132 |
| | 2018.1.01131.S | Z_CMa | 07:03:43.158 | -11:33:06.183 | 6 | 0.377 | 250.91..268.10GHz | 2020-08-24 | 1 | 20.255 | 0.634 | TP | | 359.023 | 22.439 | ISM and star formation | Outflows, jets and ioniz… | 4380.672 | 224.606 | -2.557 | 564.527 |
| | 2018.1.01131.S | Z_CMa | 07:03:43.158 | -11:33:06.182 | 6 | 0.074 | 250.97..268.07GHz | 2020-08-26 | 1 | 0.394 | 0.634 | 12m | | 5.227 | 22.438 | ISM and star formation | Outflows, jets and ioniz… | 302.400 | 224.606 | -2.557 | 564.533 |
| | 2018.1.00814.S | ZCMA | 07:03:43.200 | -11:33:06.700 | 6 | 0.037 | 216.58..234.44GHz | 2020-12-27 | 1 | 0.114 | 0.159 | 12m | | 1.840 | 25.822 | Disks and planet format… | Disks around low-mass… | 604.800 | 224.607 | -2.557 | 122.068 |

Proprietary data can be selected but cannot be downloaded. The checkbox will appear red when these data are selected. Other data (such as for programs where the observations are not yet complete or where the data are in QA3) cannot be selected.

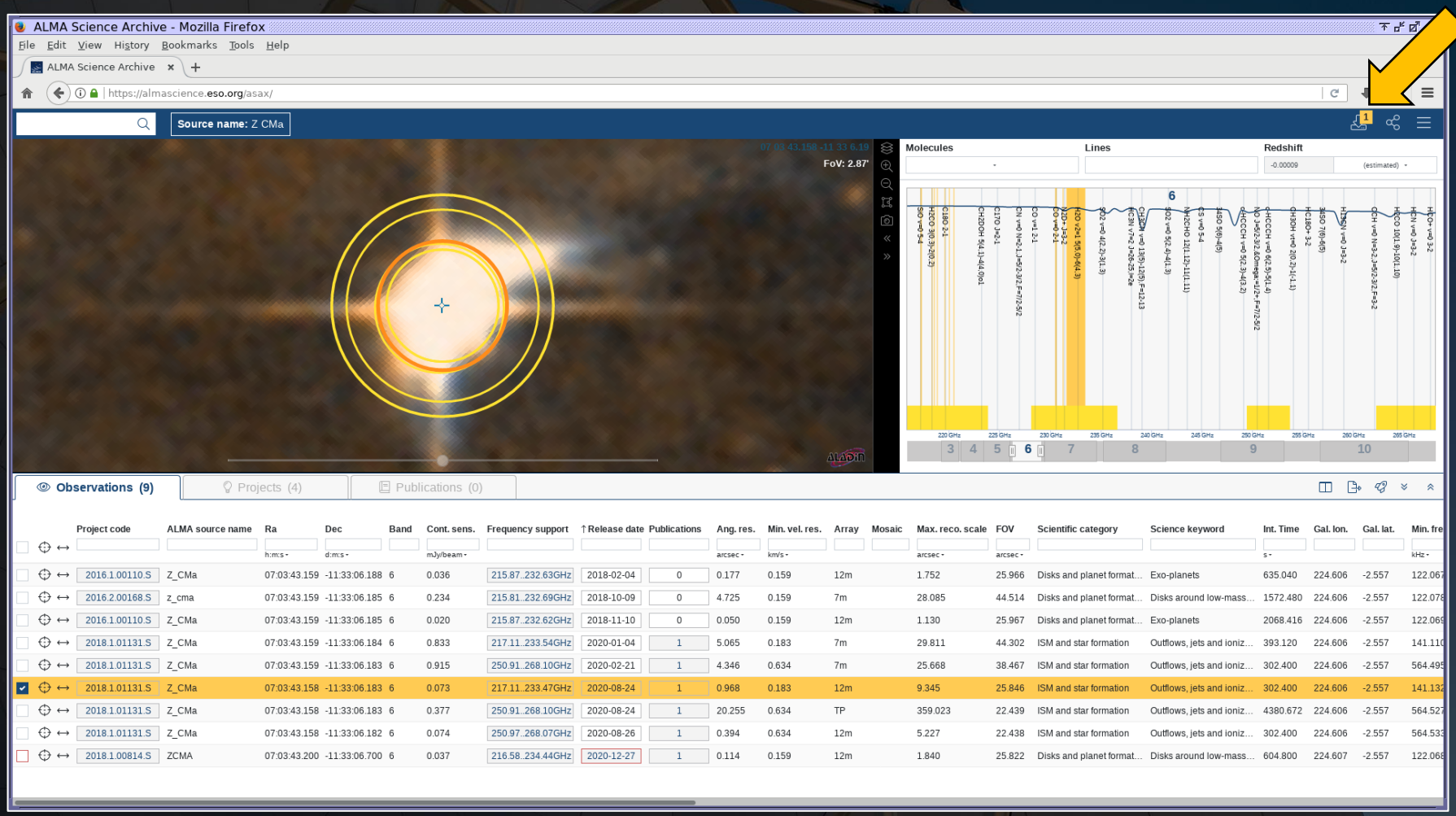



| | Project code | ALMA source name | Ra | Dec | Band | Cont. sens. | Frequency support | ↑Release date | Publications | Ang. res. | Min. vel. res. | Array | Mosaic | Max. reco. scale | FOV | Scientific category | Science keyword | Int. Time | Gal. lon. | Gal. lat. | Min. fre |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | h:m:s | d:m:s | | mJy/beam | | | | arcsec | km/s | | | arcsec | arcsec | | | s | | | kHz |
| ☐ | 2016.1.00110.S | Z_CMa | 07:03:43.159 | -11:33:06.188 | 6 | 0.036 | 215.87..232.63GHz | 2018-02-04 | 0 | 0.177 | 0.159 | 12m | | 1.752 | 25.966 | Disks and planet format… | Exo-planets | 635.040 | 224.606 | -2.557 | 122.067 |
| ☐ | 2016.2.00168.S | z_cma | 07:03:43.159 | -11:33:06.185 | 6 | 0.234 | 215.81..232.69GHz | 2018-10-09 | 0 | 4.725 | 0.159 | 7m | | 28.085 | 44.514 | Disks and planet format… | Disks around low-mass… | 1572.480 | 224.606 | -2.557 | 122.078 |
| ☐ | 2016.1.00110.S | Z_CMa | 07:03:43.159 | -11:33:06.185 | 6 | 0.020 | 215.87..232.62GHz | 2018-11-10 | 0 | 0.050 | 0.159 | 12m | | 1.130 | 25.967 | Disks and planet format… | Exo-planets | 2068.416 | 224.606 | -2.557 | 122.066 |
| ☐ | 2018.1.01131.S | Z_CMa | 07:03:43.159 | -11:33:06.184 | 6 | 0.833 | 217.11..233.54GHz | 2020-01-04 | 1 | 5.065 | 0.183 | 7m | | 29.811 | 44.302 | ISM and star formation | Outflows, jets and ioniz… | 393.120 | 224.606 | -2.557 | 141.110 |
| ☐ | 2018.1.01131.S | Z_CMa | 07:03:43.159 | -11:33:06.183 | 6 | 0.915 | 250.91..268.10GHz | 2020-02-21 | 1 | 4.346 | 0.634 | 7m | | 25.668 | 38.467 | ISM and star formation | Outflows, jets and ioniz… | 302.400 | 224.606 | -2.557 | 564.495 |
| ☑ | 2018.1.01131.S | Z_CMa | 07:03:43.158 | -11:33:06.183 | 6 | 0.073 | 217.11..233.47GHz | 2020-08-24 | 1 | 0.968 | 0.183 | 12m | | 9.345 | 25.846 | ISM and star formation | Outflows, jets and ioniz… | 302.400 | 224.606 | -2.557 | 141.132 |
| ☐ | 2018.1.01131.S | Z_CMa | 07:03:43.158 | -11:33:06.183 | 6 | 0.377 | 250.91..268.10GHz | 2020-08-24 | 1 | 20.255 | 0.634 | TP | | 359.023 | 22.439 | ISM and star formation | Outflows, jets and ioniz… | 4380.672 | 224.606 | -2.557 | 564.527 |
| ☐ | 2018.1.01131.S | Z_CMa | 07:03:43.158 | -11:33:06.182 | 6 | 0.074 | 250.97..268.07GHz | 2020-08-26 | 1 | 0.394 | 0.634 | 12m | | 5.227 | 22.438 | ISM and star formation | Outflows, jets and ioniz… | 302.400 | 224.606 | -2.557 | 564.533 |
| ☑ | 2018.1.00814.S | ZCMA | 07:03:43.200 | -11:33:06.700 | 6 | 0.037 | 216.58..234.44GHz | 2020-12-27 | 1 | 0.114 | 0.159 | 12m | | 1.840 | 25.822 | Disks and planet format… | Disks around low-mass… | 604.800 | 224.607 | -2.557 | 122.068 |

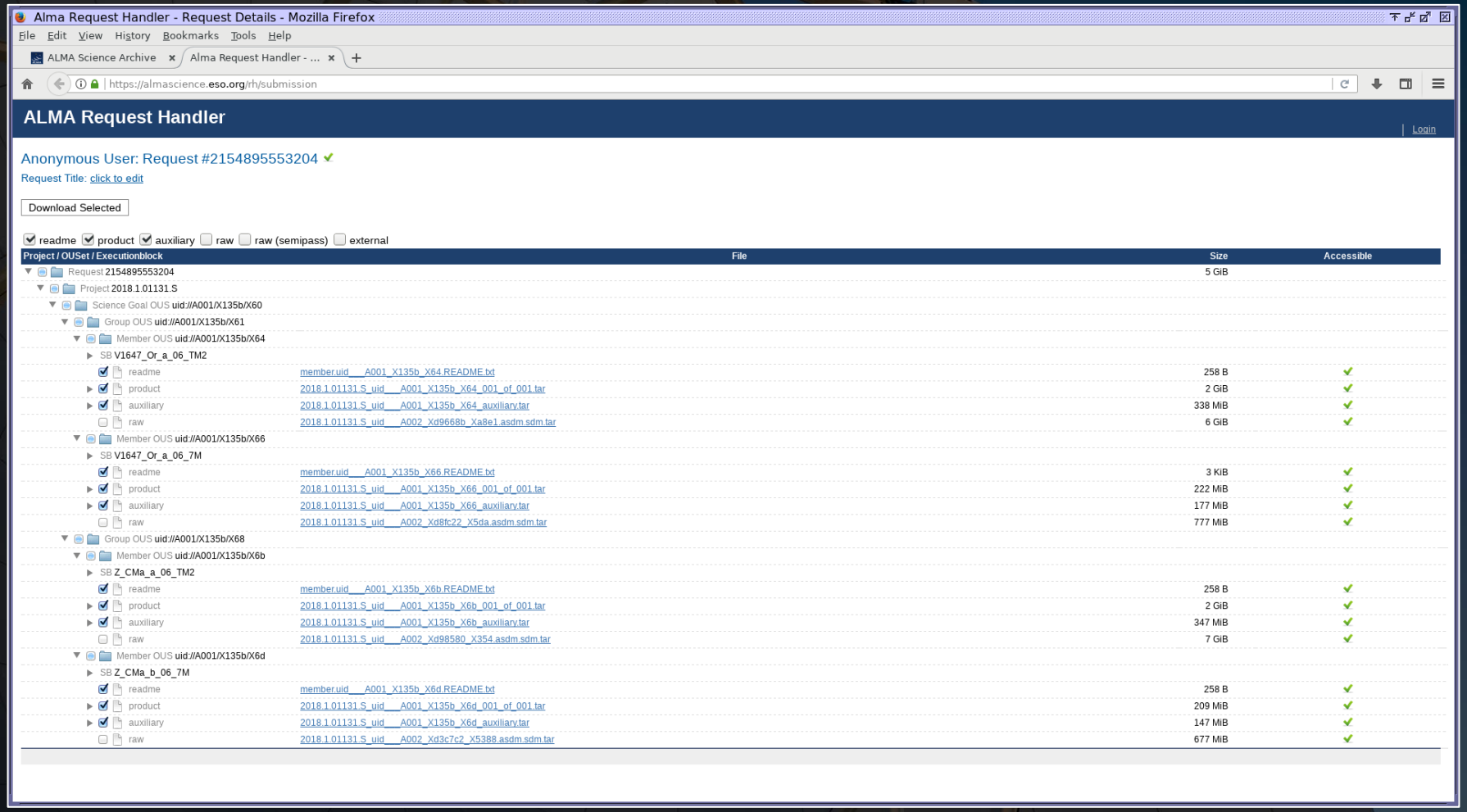
The interface has several other options as well. These include saving the search results (or a link to those results), accessing documentation, and adjusting the display.



Selected data can be downloaded by clicking on the download icon at the top right. When request download is selected, this will open a new browser window or tab. If proprietary data were selected, a login screen will appear first.



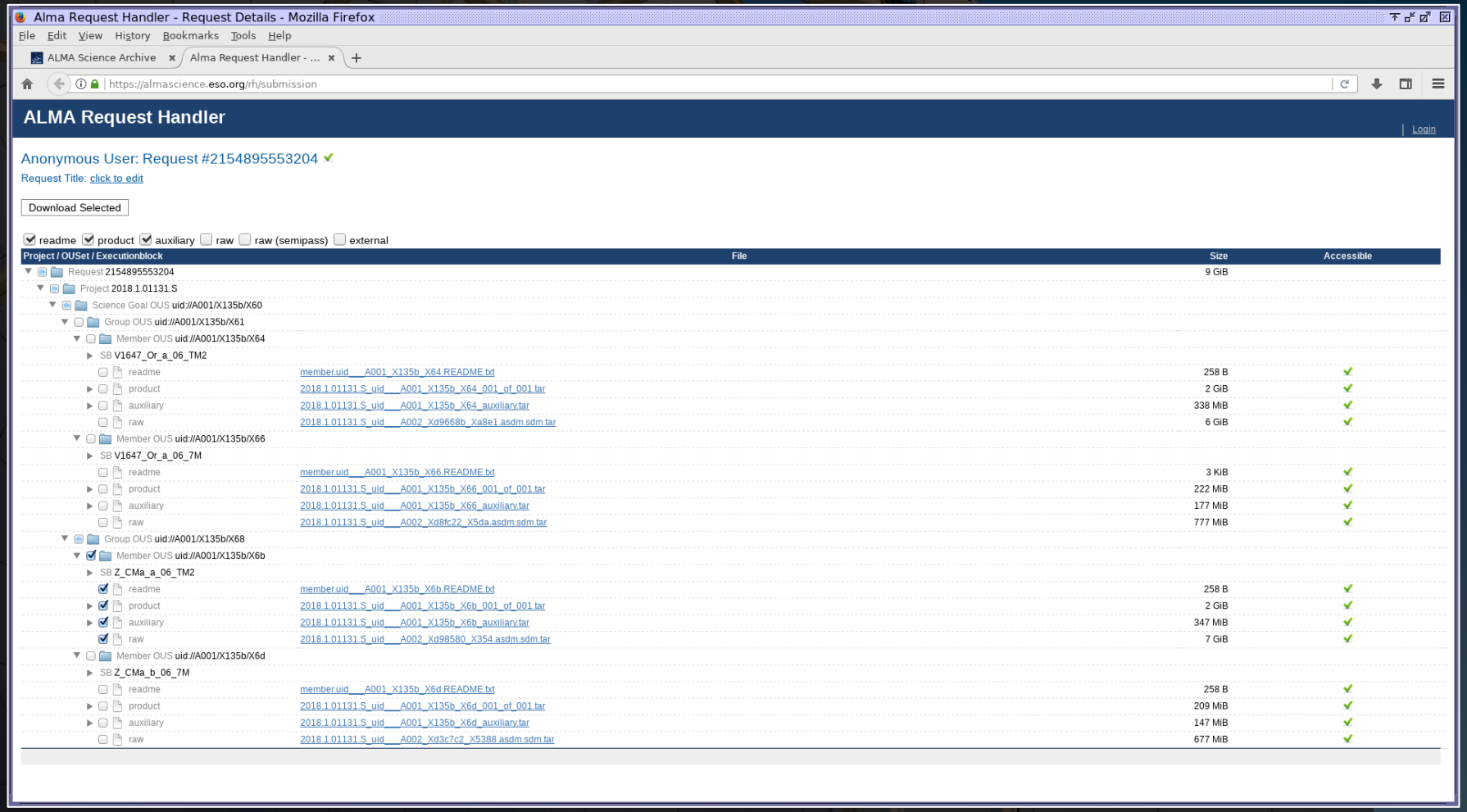
The new page displays the data associated with the entries selected in the search interface. Data are sorted by Science Goal, Group OUS, and Member OUS. (A Member OUS is a unit of data containing one SB.)



Each Member OUS (or SB) may have the following files available for download:

| | |
|---|---|
| readme | A text file with very basic information |
| product | Final images and image cubes |
| auxiliary | A file containing logs, quality assurance information, scripts, and calibration data |
| raw | Raw visibility data |
| external | Enhanced data products (including enhanced images or visibility data) created after the data delivery |

Each file can be individually selected for download, or subsets of data can be selected for download.  Proprietary data cannot be downloaded without logging in and without being delegate access to the data.



When data download is started, two options are available.

- The download script can be executed in a Linux/Mac console to download data. The file must be made executable using chmod before doing this. When the file is executed, the data will be downloaded to the current directory.

  If the script is interrupted, it is possible to restart the downloads from where they were stopped by restarting the script.

- The other download option is the file list. The file list is just a set of links directly to the data.

  The individual results in the ALMA request handler page include links that can also be clicked on to download the data.