

LST Interval	Repeats	12M or SMT?	Receiver	Avoidance/Scheduling Dates

List the LST interval blocks you want to be scheduled, one block per row (i.e. “22–7” means starting at 22h LST and ending at 7h LST) and the number of times each block should be repeated (e.g. enter “3” when needing 3 repeats). **List only one telescope and receiver** (12m: 4mm, 3mm, 2mm, 1mm and SMT: 1mm, 0.8mm) **combination per row, duplicating LST blocks as needed**. It is the observer’s responsibility to check that their sources are outside sun avoidance (10 deg @ 12m, 44 deg @ SMT). List dates in “Avoidance/Scheduling Dates” column for which that LST block should be *avoided* in scheduling (i.e. “Avoid Nov 25 – Jan 12”). For observations that require specific dates for scheduling (i.e. comet observations), please indicate by saying “Schedule on: (date range)” in the Avoidance/Scheduling Dates column.

Tuning Table

Line Name	Frequency [GHz]	Sideband LSB/USB?	Backend Res. [kHz]	Line Name	Frequency [GHz]	Sideband LSB/USB?	Backend Res. [kHz]

You may use multiple rows for a single setup (for instance, use 4 rows if observing 8 lines simultaneously with AROWS multi-window mode on the 12m and leave a blank row between different setups). The “Line Name” should be a shorthand version of the spectral line with < 7 characters (including numbers and dashes). Please see the Arizona Radio Observatory website (<https://aro.as.arizona.edu>) for possible spectrometer resolutions at each telescope

Proposers are requested to fill out both pages of this cover sheet and combine into one single PDF file the following: Proposal Cover Sheet (two pages), Science justification (no more than two pages), Technical justification (no more than one page), Update on analysis/publication of past time allocations (no more than one page). Note: references do not count against your page limit and may be included as a separate additional page. The combined PDF should follow the following naming convention: *LastName_FirstInitial_Semester_1.pdf* where the LastName and FirstInitial are of the PI of the proposal, Semester= 2022b, 2023a, etc. with a = first semester proposal call of the calendar year and b = second semester of the calendar year. The _1, _2, etc. increases for multiple proposals from the same PI. Email the PDF file to astro-aroproposals@list.arizona.edu