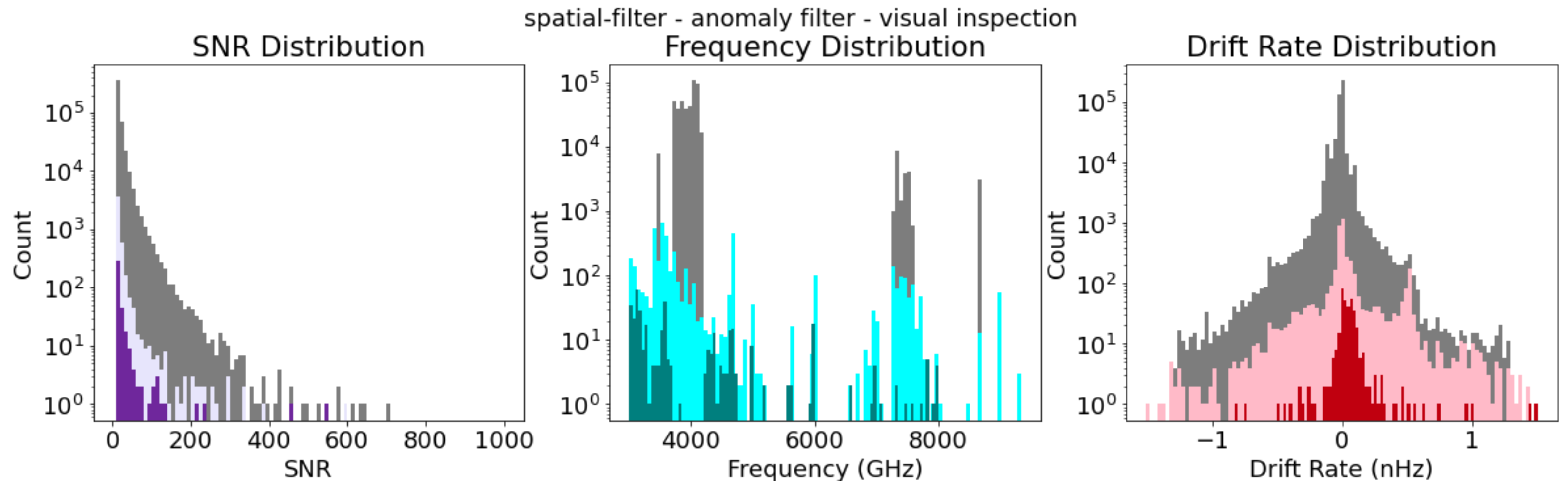
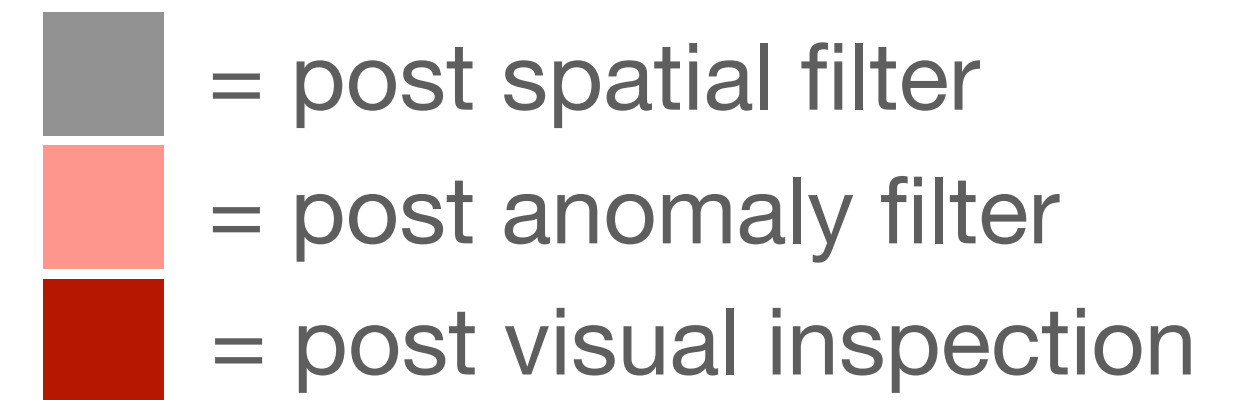


gridding3: continued filtering

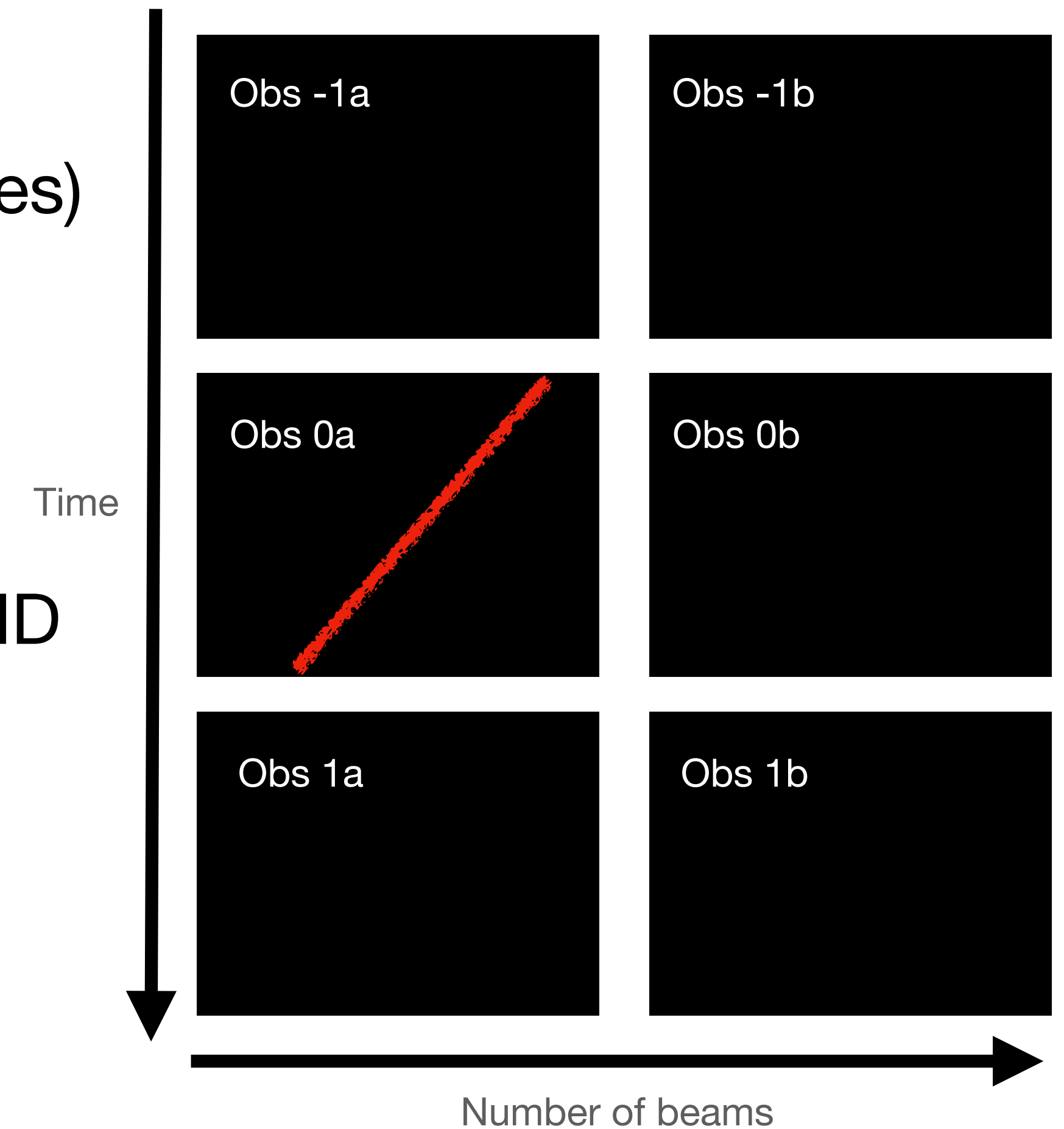
Gridding3 status: signals-of-interest flagged!

- Finished going through the **4539** events from the turboSETI plotter
- Flagged **378** of them (~8%) for follow-up



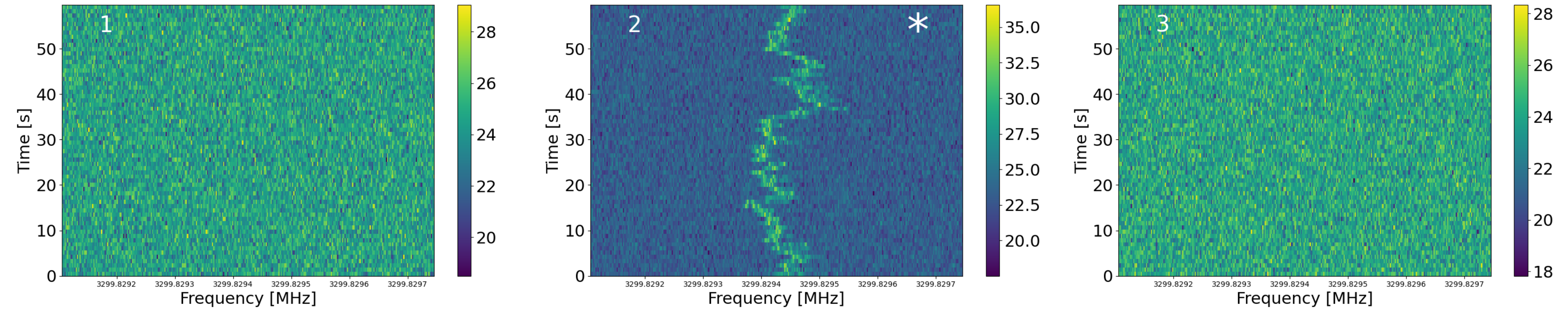
Gridding3 status: signals-of-interest flagged!

- Working on:
 - Grouping similar signals together (plots on next slides)
 - However, many don't have particularly distinctive morphologies - there don't seem to be large, easily identifiable groups
- Question: is there any reason we can't do a time AND a position off-source in future campaigns?
 - Beamformed simultaneous off + comparing observation to following and preceding observations
- Would either require changing turboSETI find_event.py or just the plotter, to show signals in a multi-panel context



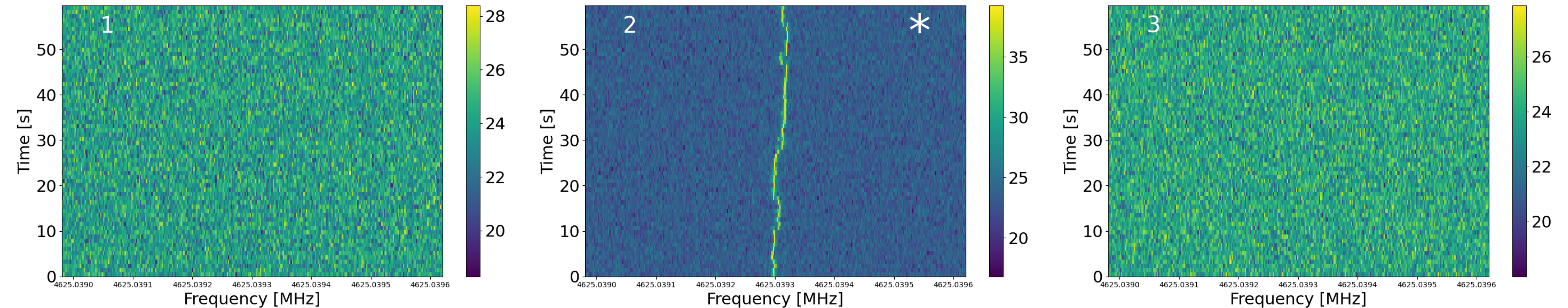
“Wiggly” signals, 3.0-3.3 GHz

59360_33845_277335 ---- fstart = 3299.829106 MHz



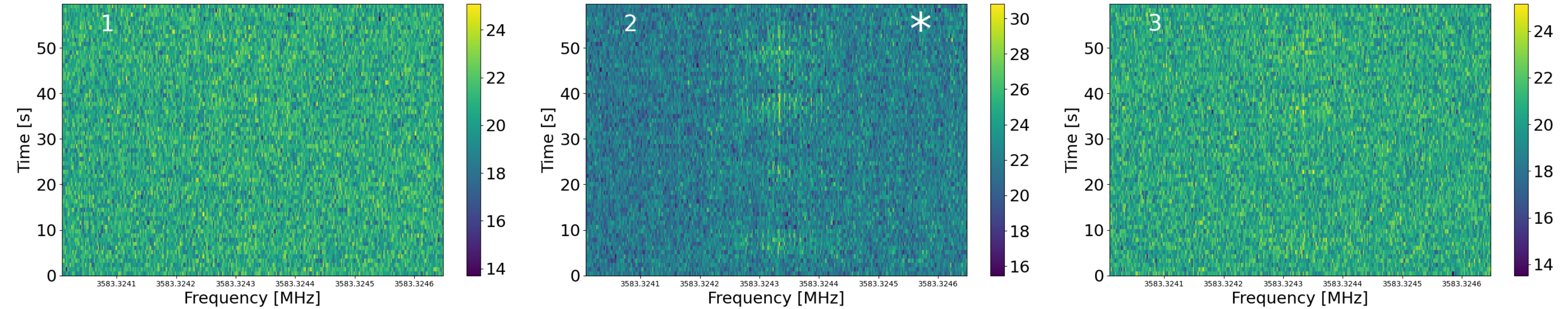
“Discontinuous” signals, 4.3-4.7 GHz

59381_31565_125772 ---- fstart = 4625.038981 MHz



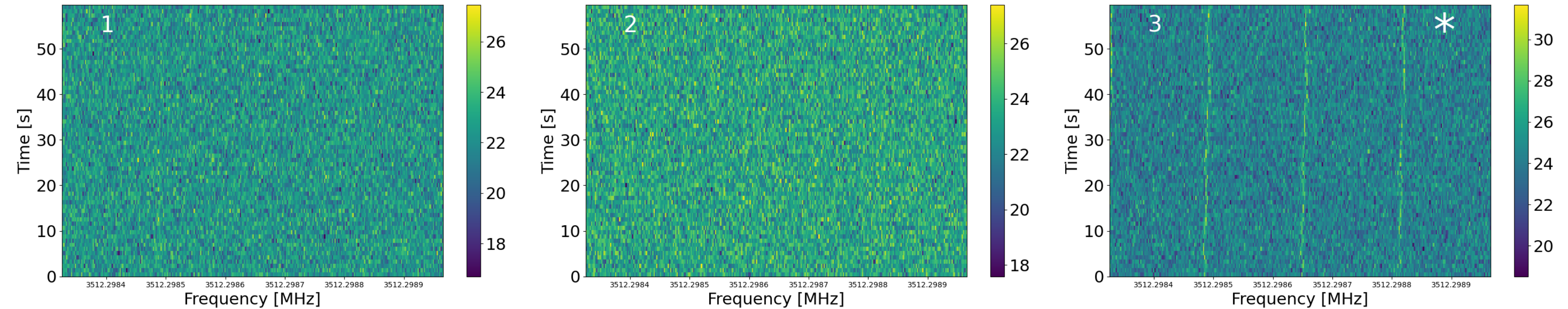
“Comb” signals, 3.581-3.584 GHz

59360_35276_301905 ---- fstart = 3583.324008 MHz



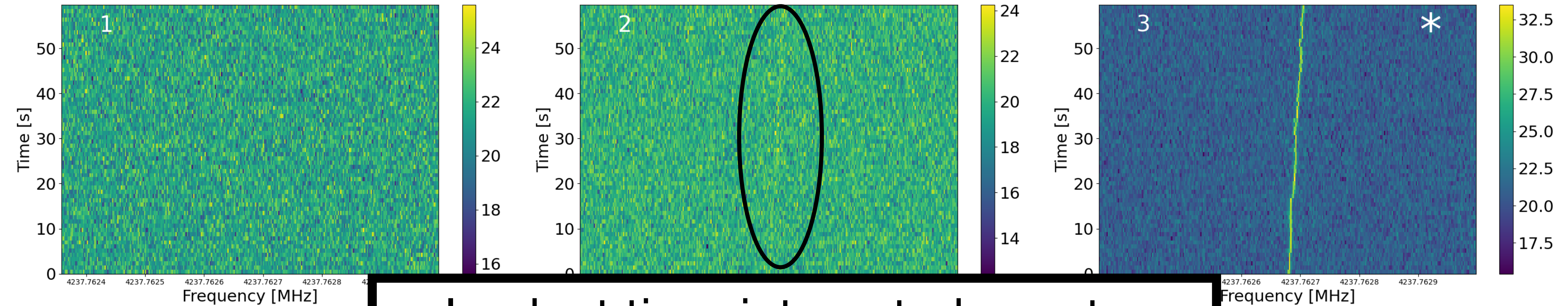
“Triple line” signals, 3.512 GHz

59360_33127_265006 ---- fstart = 3512.298326 MHz

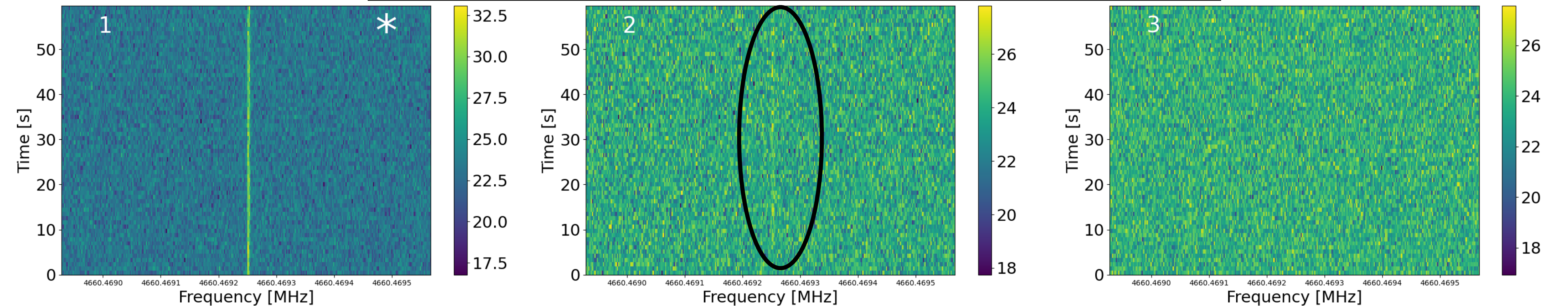


“Drifting linear” signals, 4.2-4.3 GHz

59381_30478_107108 ---- fstart = 4237.762358 MHz



Look at time-integrated spectra
to identify weak off-source emission?



Next steps

Thinking about reobservation procedures

- Continue trying to group/disprove similar signals (perhaps with spectra)
- Reobserve?
 - How to set up an “additional looks” queue? What priority does it have?
 - Once we have the follow-up observation, what’s the easiest way to incorporate the prior signal information that we’re checking against?