First time seeing a decay signal. (all data sets taken w/ 1ns resolution unless stated otherwise)

decay\_001: first data set since we began the experiment, taken over the time 405 stayed locked

decay\_002: same thing, taken over the time 405 stayed locked

decay\_003: taken over 6 mins, with red laser came unlocked at some point (weird)

decay\_004: better version of 003.

decay\_005: taken over 12 mins

decay\_006: taken over 12 mins (in the afternoon when the 405 has stabilized). I also re-aimed the detector to get better signal

decay\_007: taken over 5 mins. De-focused the 405 to excite more of the cloud → massive improvement!

decay\_008: like 007 but taken over 10 mins.

Should I de-focus the beam even more? Based on the MOT monitor it looks like I haven’t hit enough of the cloud.