Run 8 S1-z dependence

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Data used

- /projecta/projectdirs/lz/data/afan/SueRQs/run8/pr10001/lzrd_sue_HT_20180317T005044/
  - Thoron
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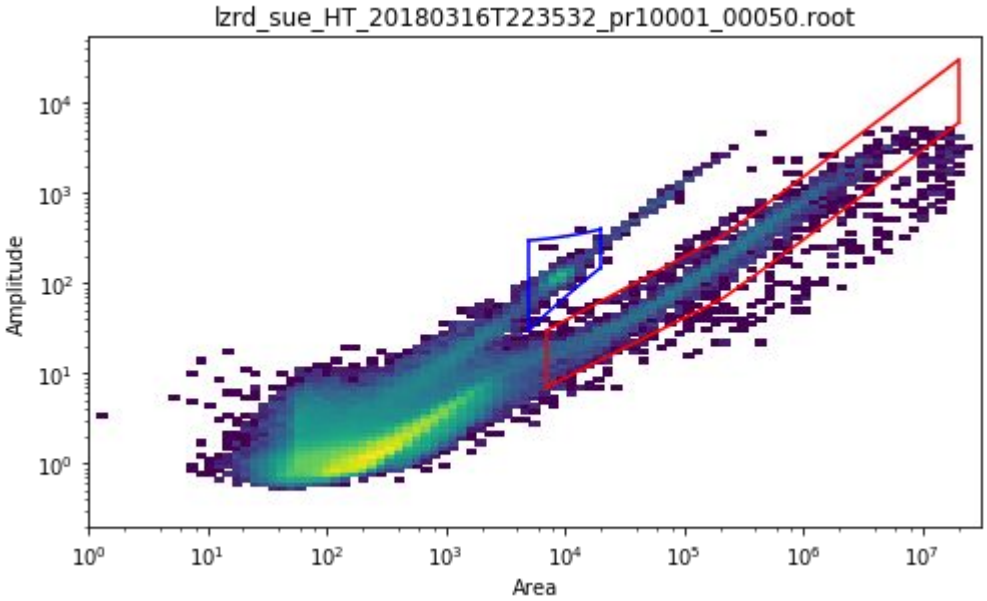
Cuts Applied

- A pulse within the event is inside a box in the amplitude / area plot.
  - I selected this in the field off data (just S1). The peak that Jacob showed a few weeks ago
- Another pulse must be within a box in amp. / area that includes S2s (only showed up in field on data) OR is classified as an S2 by LZap
- Has 1 S1 and >=1 S2
- 0 µs< S2-S1 < 500 µs
- Only has 1 drift time meeting all of these qualifications

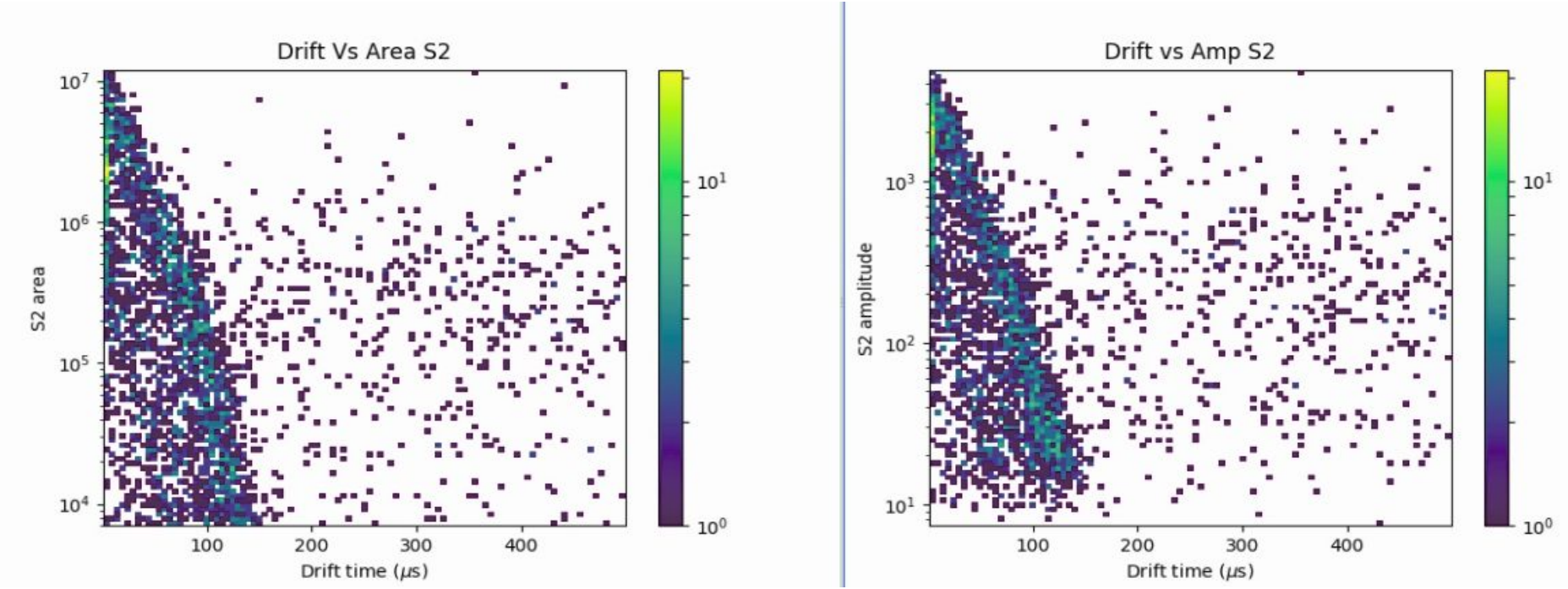
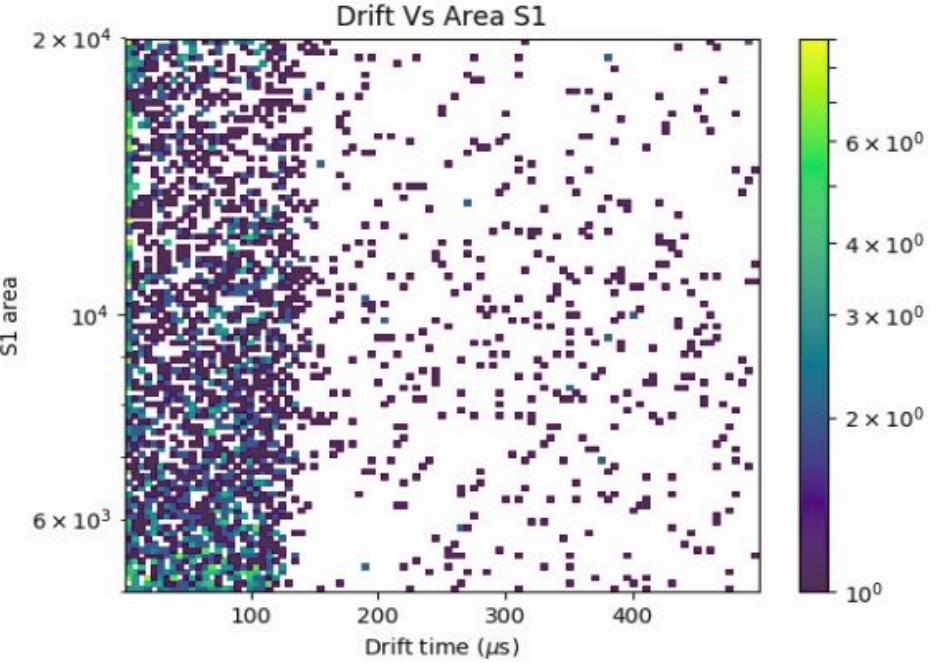
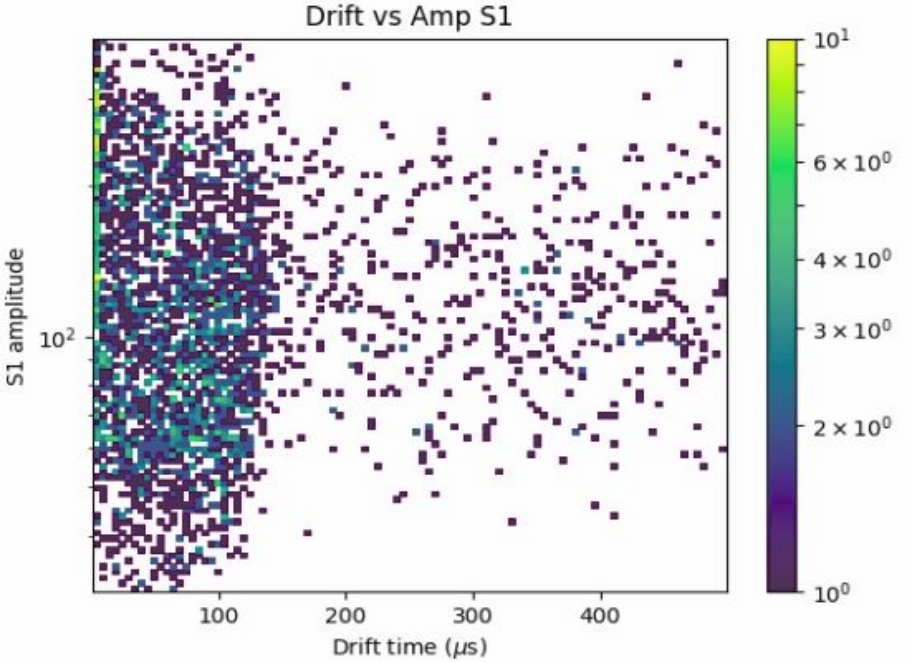
Thoron Cut

Blue outline is the S1 cut for thoron. Nice and compact. Implies little z dependence

Red outline is the S2 cut (for all events) hard to see a blob in s2 events



S2-Z dependence



S1-Z dependence