

Notes:

Three categories of CT operation will co-exist, the standard CT mode, the CT-APOG mode, and the CT-TRIG mode. The first two will be scheduled while the triggered mode will usually not be scheduled; instead, the CT-TRIG time will be carved out of the existing CT blocks.

In terms of mode priority, CT-TRIG will have priority over both CT and CT-APOG. However, DT and ST will have priority over CT-TRIG. That is, the triggered runs can only occur within the blocks of time that were scheduled as CT (or CT-APOG, CT-THEMIS, etc.)

Since the SD-RBSP modes are planned in advance for CT and do not detract from the time available for DT and ST runs, there does not seem to be a need to allow PIs to opt out. **The main issue is whether to accept that approximately 1/3 of CT will be used to run SD-RBSP modes.**

All the SD data collected during the SD-RBSP runs will be flagged as CT in terms of CPID and be immediately available for analysis, consistent with NASA open-data policy. (We are not obliged to follow this policy but it seems sensible.)

All the SD radars will run the 3-beam mode during CT-TRIG to allow the fullest possible assessment of the capabilities of this mode.

The productivity of the SD-RBSP runs and coordination with RBSP will be assessed bi-monthly by the SuperDARN PIs and the two Working Groups and changes proposed, discussed, and implemented in the next monthly schedule.

Trial runs of the SD-RBSP modes will be arranged after the radar control languages have been prepared and before RBSP enters its science phase.

The control programs needed to run CT-TRIG are being developed by Jeff Spaleta and Julian Thornhill.

Other Concerns (incomplete):

- i) How to decide when to trigger the CT-TRIG mode (the trigger algorithm)
- ii) Which beams to select for the sub-scan at each radar
- iii) How to interleave sub-scan beams and regular beams most efficiently
- iv) Whether the scan times should start and stop on precise minute boundaries
- v) How to select the times and radars for running the CT-APOG mode
- vi) How to program the conjunctive and non-conjunctive radars radar during CT-APOG runs