

The IBEX-Lo Heavy Neutral Maps

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The IBEX-Lo heavy neutral maps are produced from the measured direct events identified as “Oxygen”, which are registered between 50 ns and 100 ns in TOF2; i.e. $50 \text{ ns} \leq \text{TOF2} \leq 100 \text{ ns}$ (Park et al. 2015).

1. single_ot_maps

There are six sets of the single IBEX-Lo heavy neutral maps observed from 2009 to 2011.

- Six sets of maps for three consecutive years: map1–6
- Four E-steps: E-step 5–8
- Elements: counts, exposure times, count rates, standard deviations of count rates, S/N

2. combo_ot_maps (Fig. 1, 2, and 3 in Park et al. 2015)

There are three sets of the combined IBEX-Lo heavy neutral maps

- comb-ot-m1m3m5: Combined odd maps (map1 + map3 + map5)
- comb-ot-m2m4m6: Combined even maps (map2 + map4 + map6)
- comb-ot-m1m6: Combined all maps (map1 + map2 + map3 + map4 + map5 + map6)
- Elements: exposure times, count rates, standard deviations of count rates, S/N

3. statistical_ot_maps (Fig. 4 and 5 in Park et al. 2015)

There are four sets of the statistical IBEX-Lo heavy neutral maps. Three statistical methods were applied to the combined all maps.

- combo-ot-m1m6-snr: S/N-filtered maps
- combo-ot-m1m6-clm: CLM maps
- combo-ot-m1m6-snr-clm: S/N-filtered CLM maps
- combo-ot-m1m6-cluster: Cluster maps