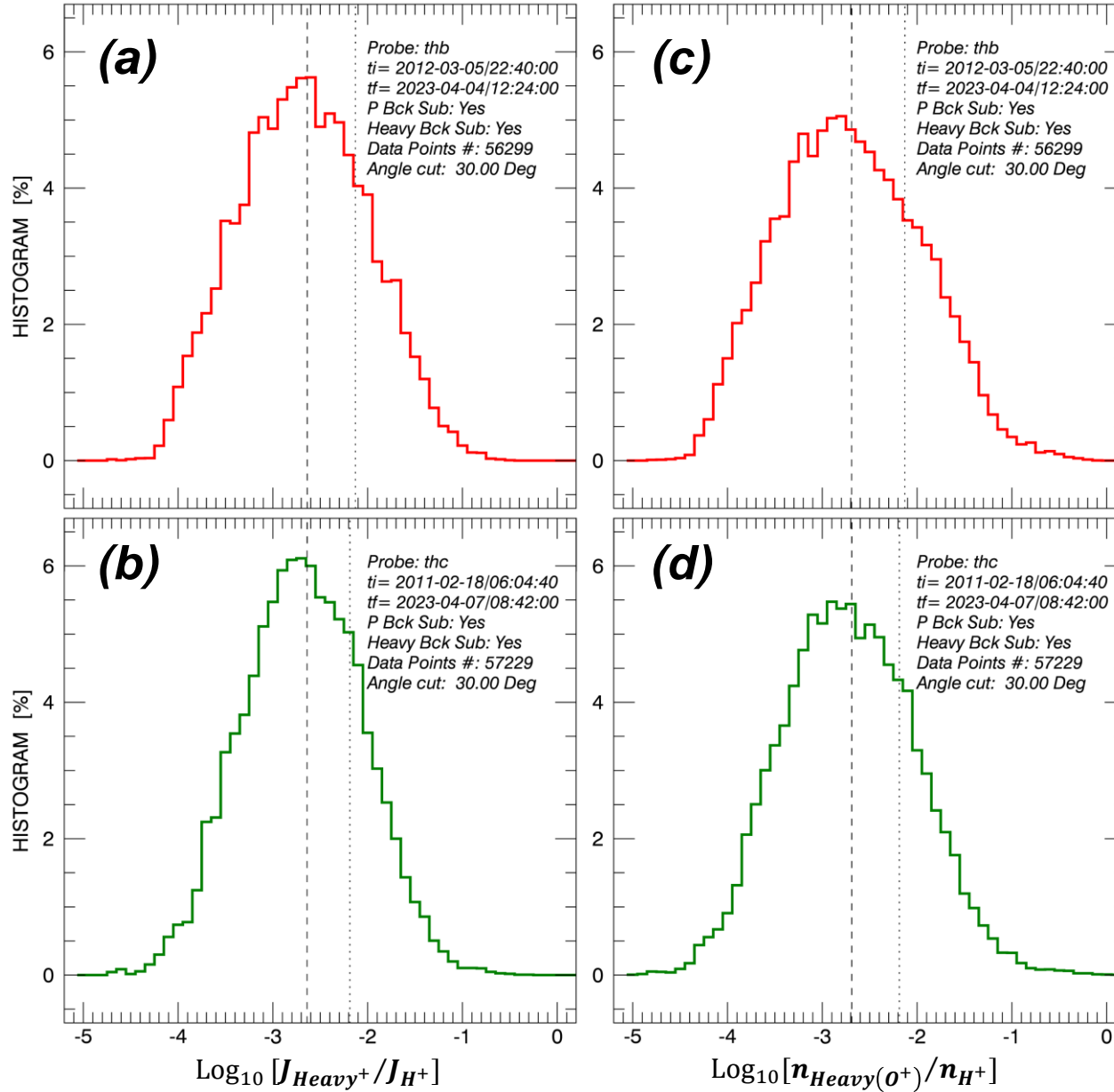


ARTEMIS P1

ARTEMIS P2

No Assumption  
Flux RatioAssumption: Atomic Oxygen [ $O^+$ ]  
Density Ratio

**Figure 7.** Histogram plots of (a) and (b) heavy ion to proton  $\text{Log}_{10}$  flux ratio for the entire events measured by ARTEMIS P1 (red) and ARTEMIS P2 (green) respectively, (c) and (d) atomic oxygen to proton  $\text{Log}_{10}$  density ratio for the entire events measured by ARTEMIS P1 (red) and ARTEMIS P2 (green) respectively. No running average or down sampling is performed for this Figure. The locations of the observation were already depicted in Figure 2. Dashed black and dotted black lines in all four panels are the median and mean values respectively.