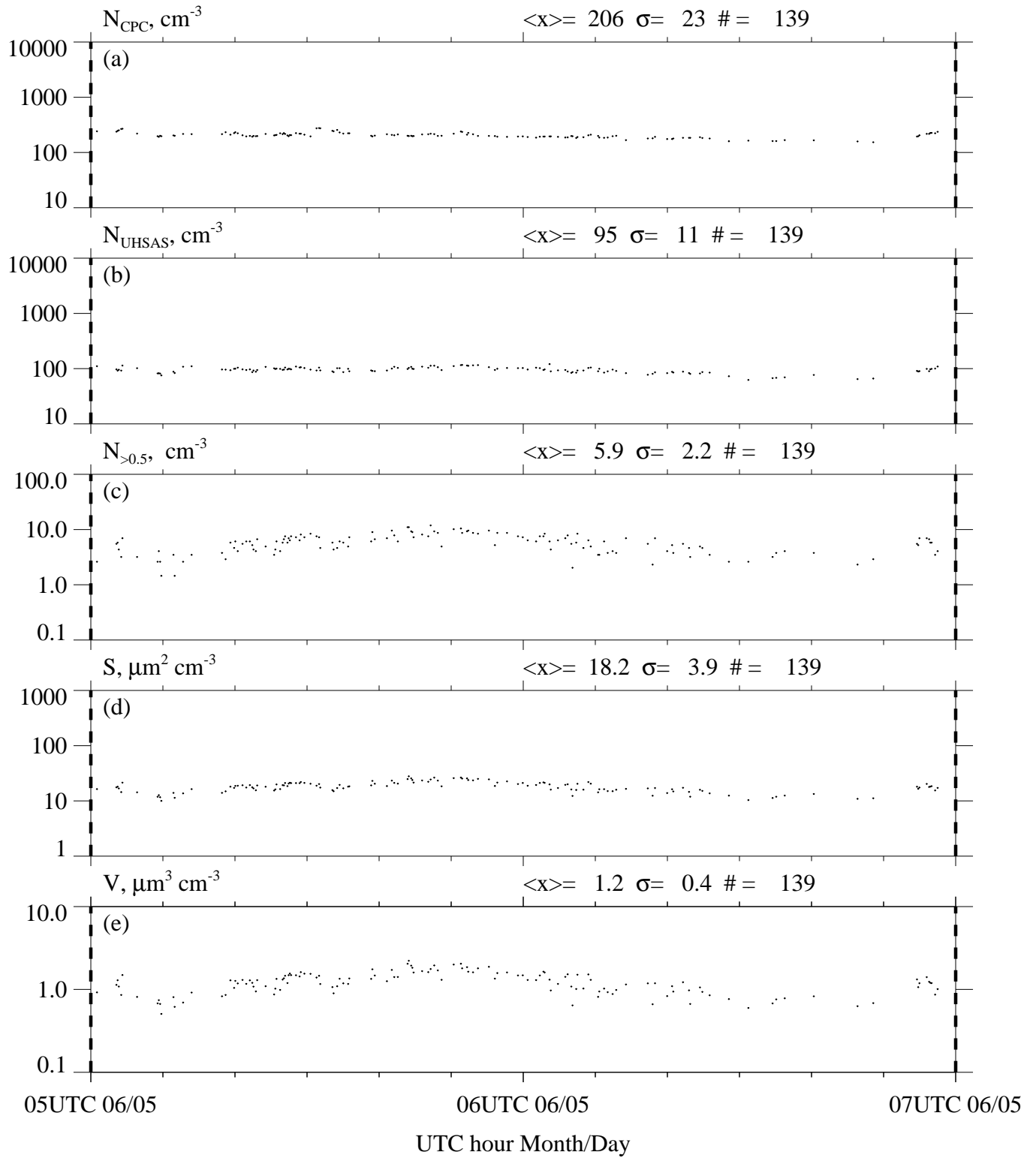


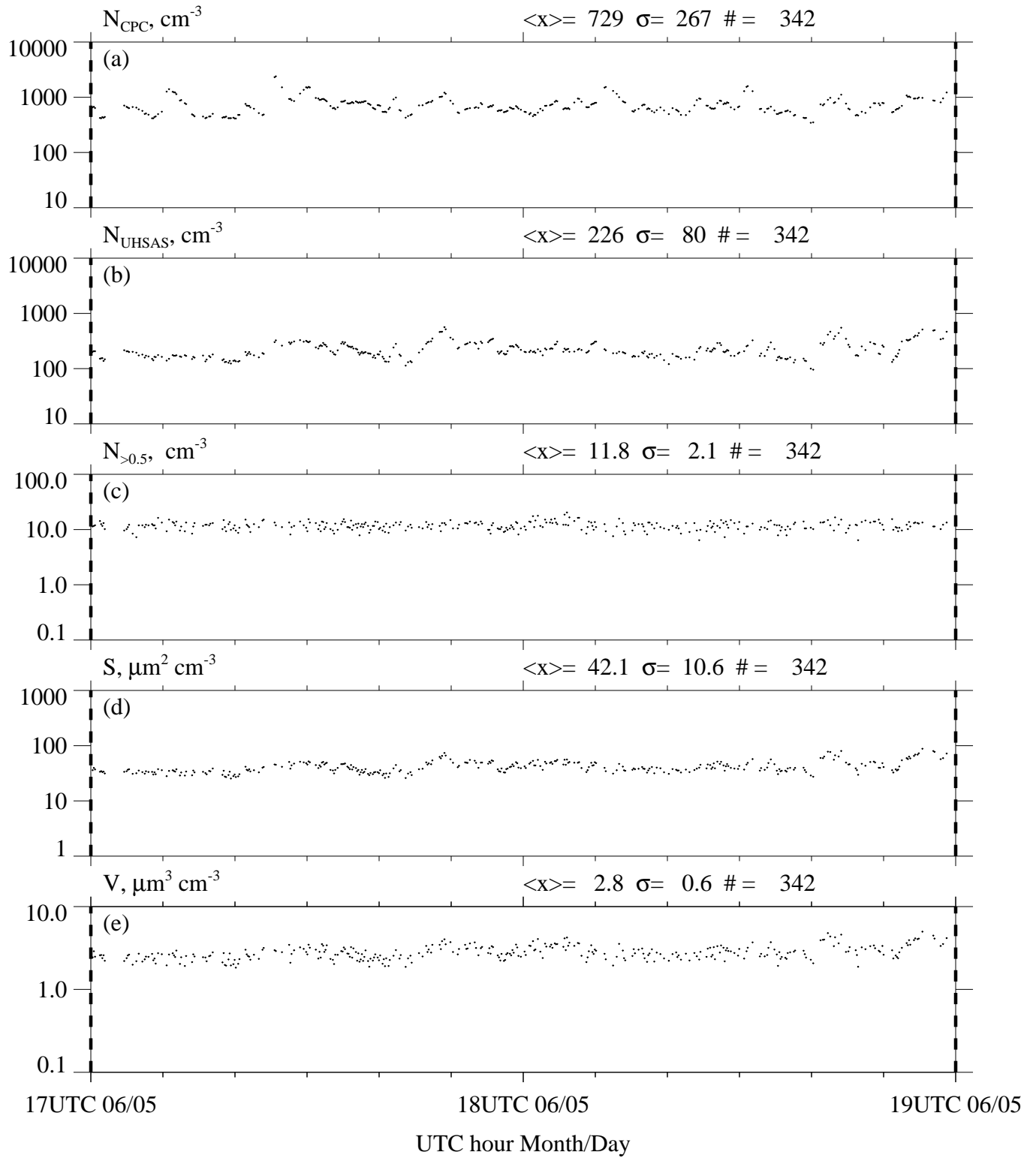
Supplementary Material Explanation

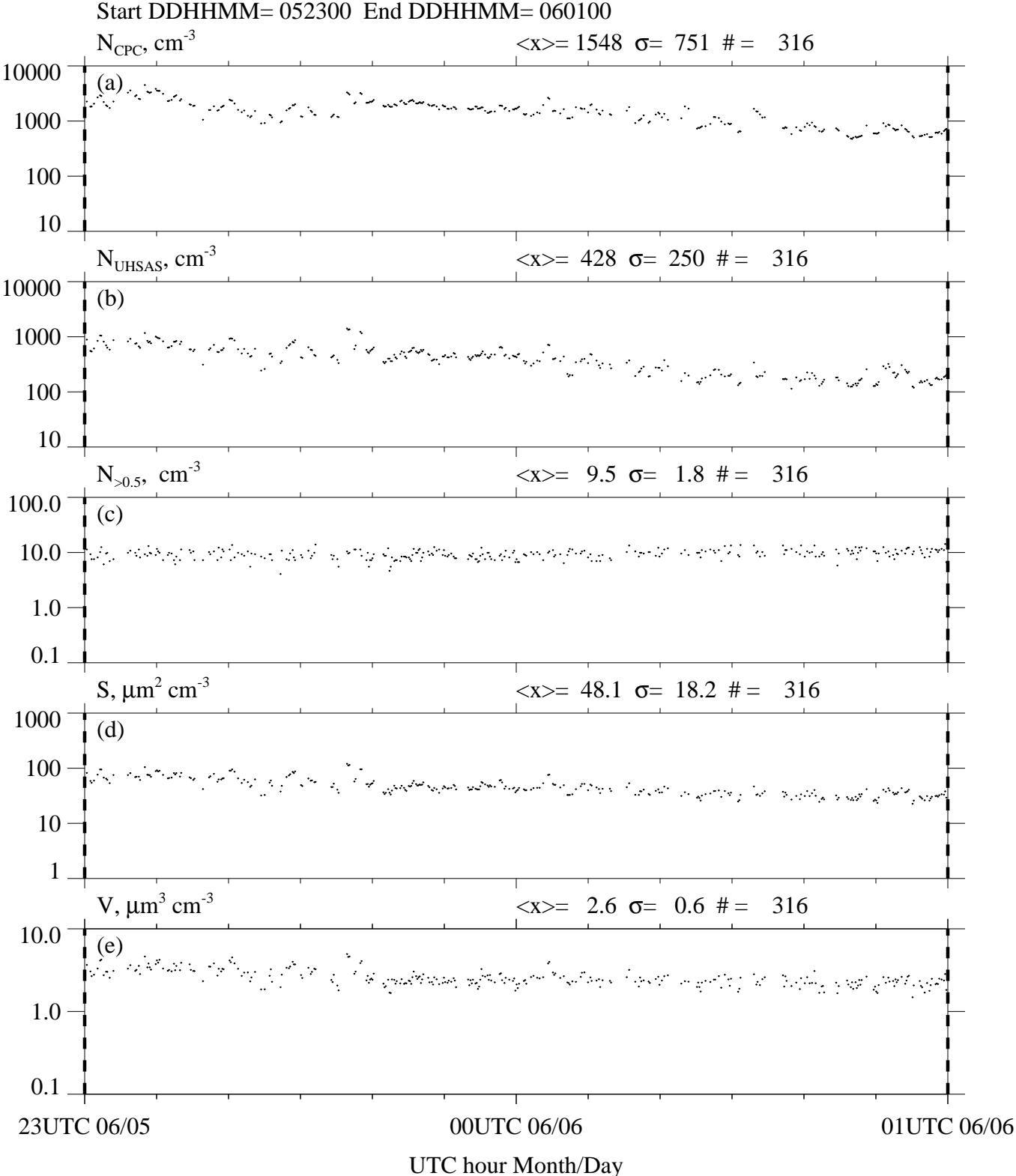
This Supplementary Material has illustrations of 20 two-hour data segments. These segments are centered on the onshore trajectory arrival times. Start and end times of the segments are indicated on the abscissa of the graphs. Appendix B describes the numerical filter used to derive the illustrated aerosol properties. The filter attenuates aerosol property variability occurring on time scales shorter than 100 s. Four of the data segments were impacted aerosol variability occurring on time scales longer than 100 s; much of this variation was not attenuated by the numerical filter. In these instances we discarded (subjectively) portions of the two-hour segment. In each of the 20 illustrations, the vertical dashed lines delineate the subset of the two-hour segment we picked as being representative of onshore-moving air that was not affected, or only moderately affected, by emissions from continental Chilean sources.

Start DDHHMM= 050500 End DDHHMM= 050700

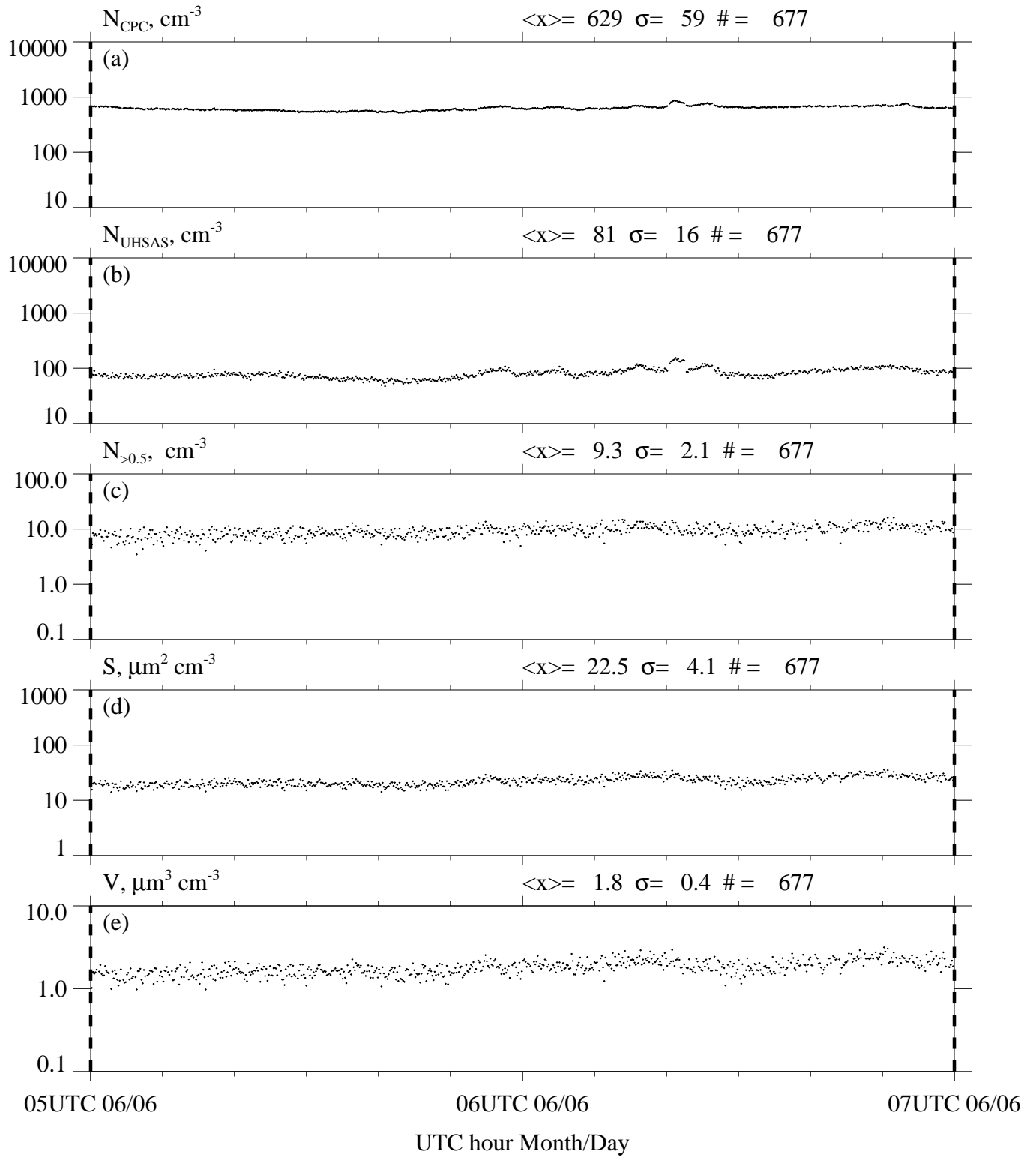


Start DDHHMM= 051700 End DDHHMM= 051900

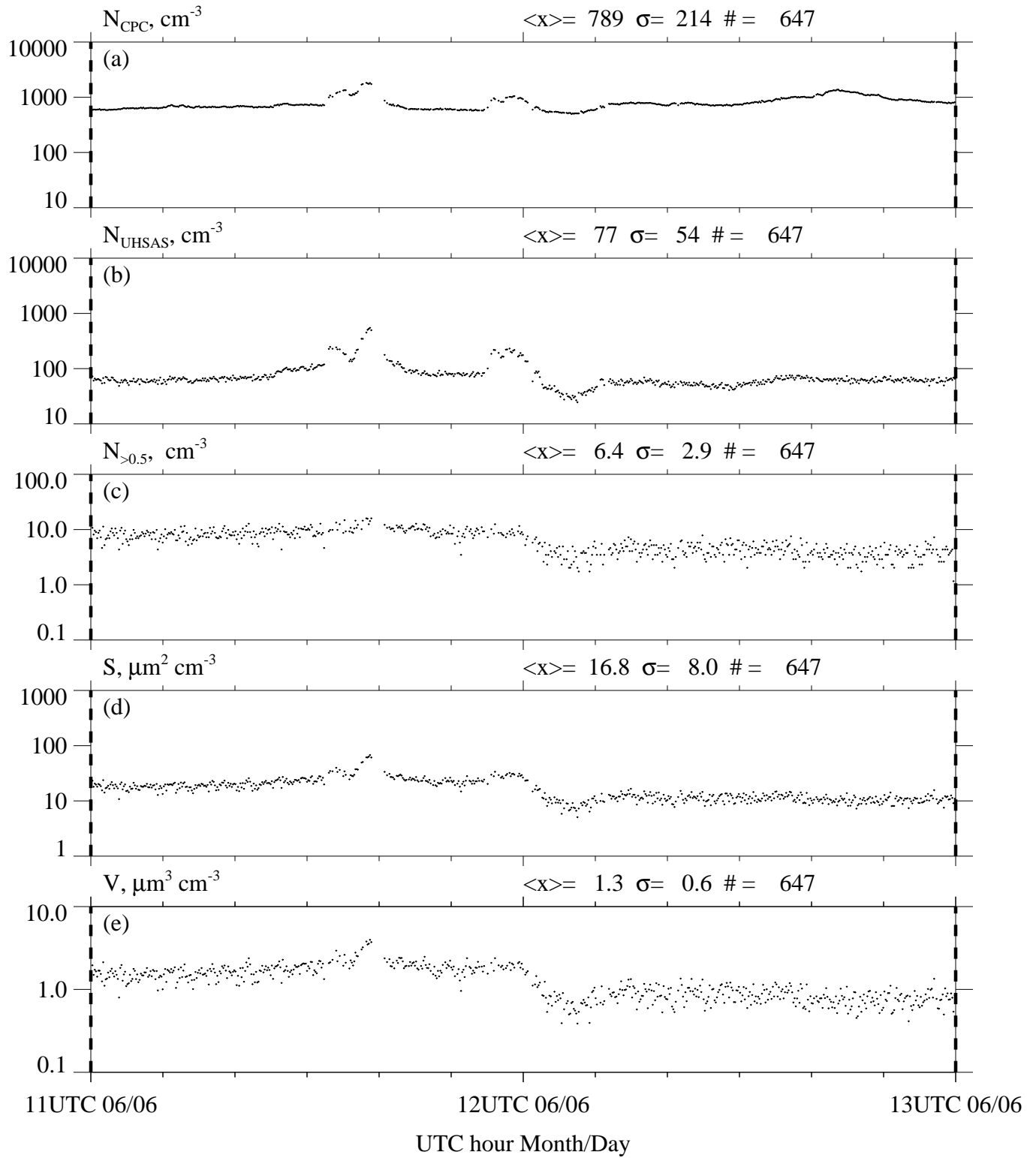




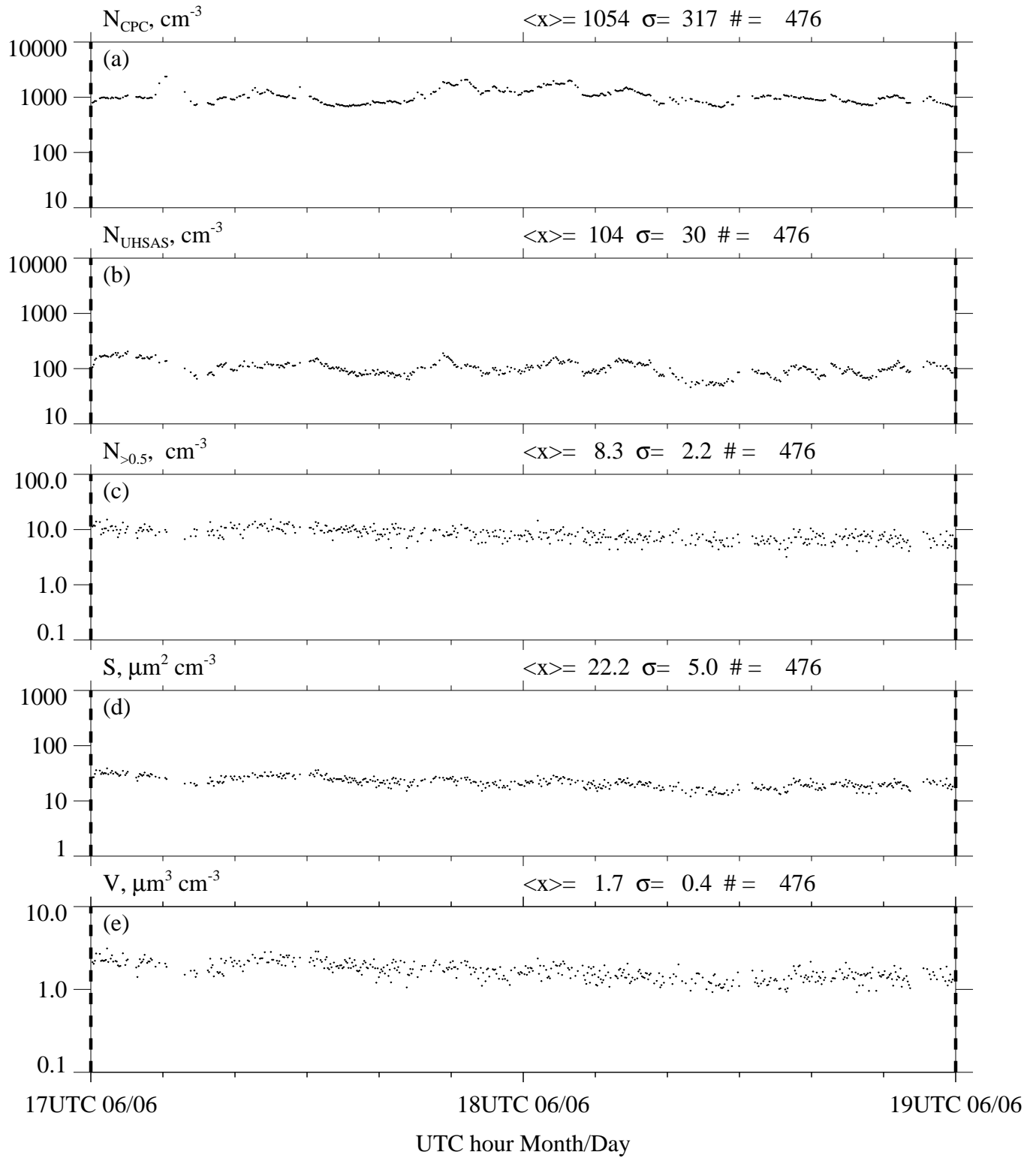
Start DDHHMM= 060500 End DDHHMM= 060700



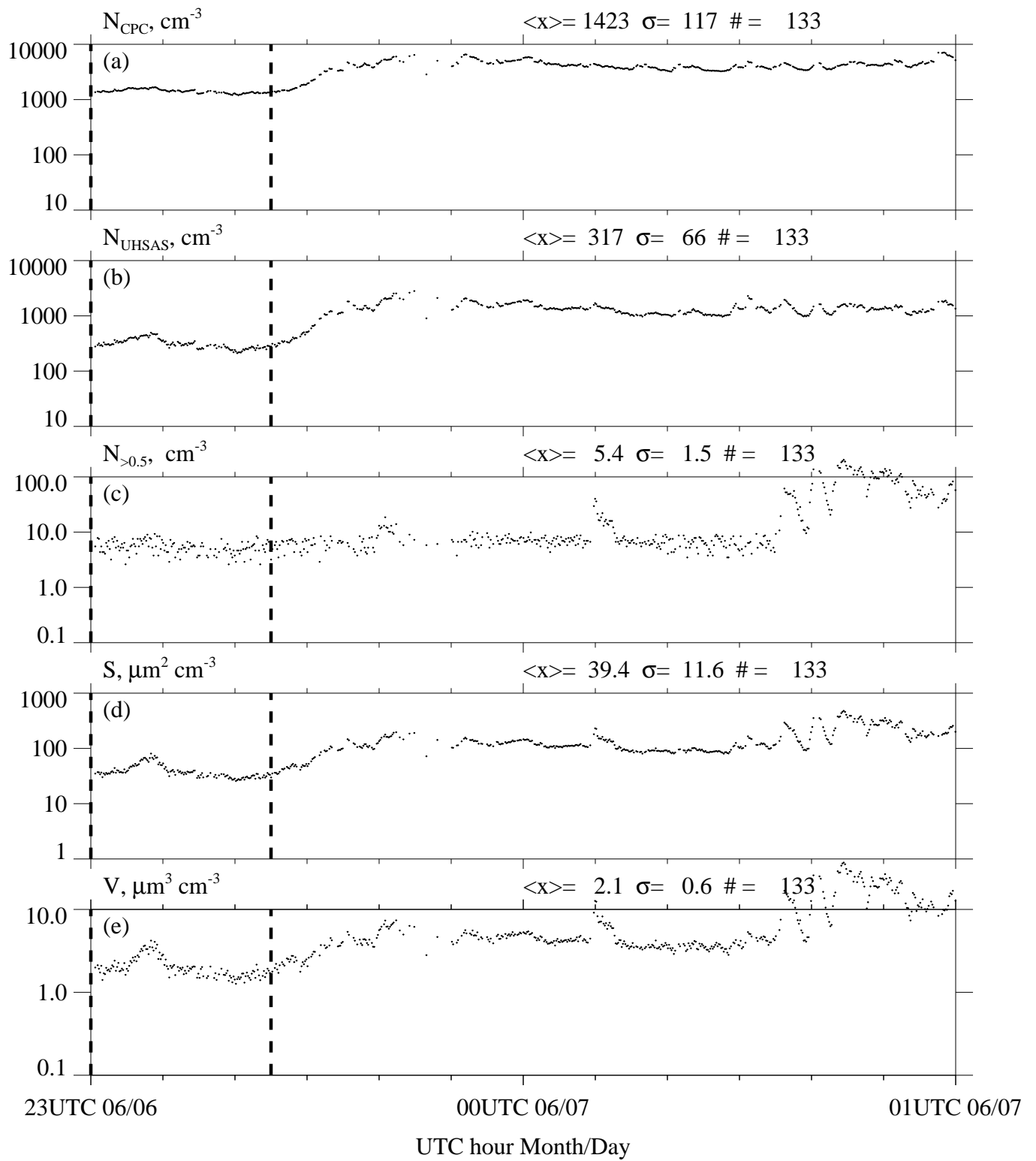
Start DDHHMM= 061100 End DDHHMM= 061300



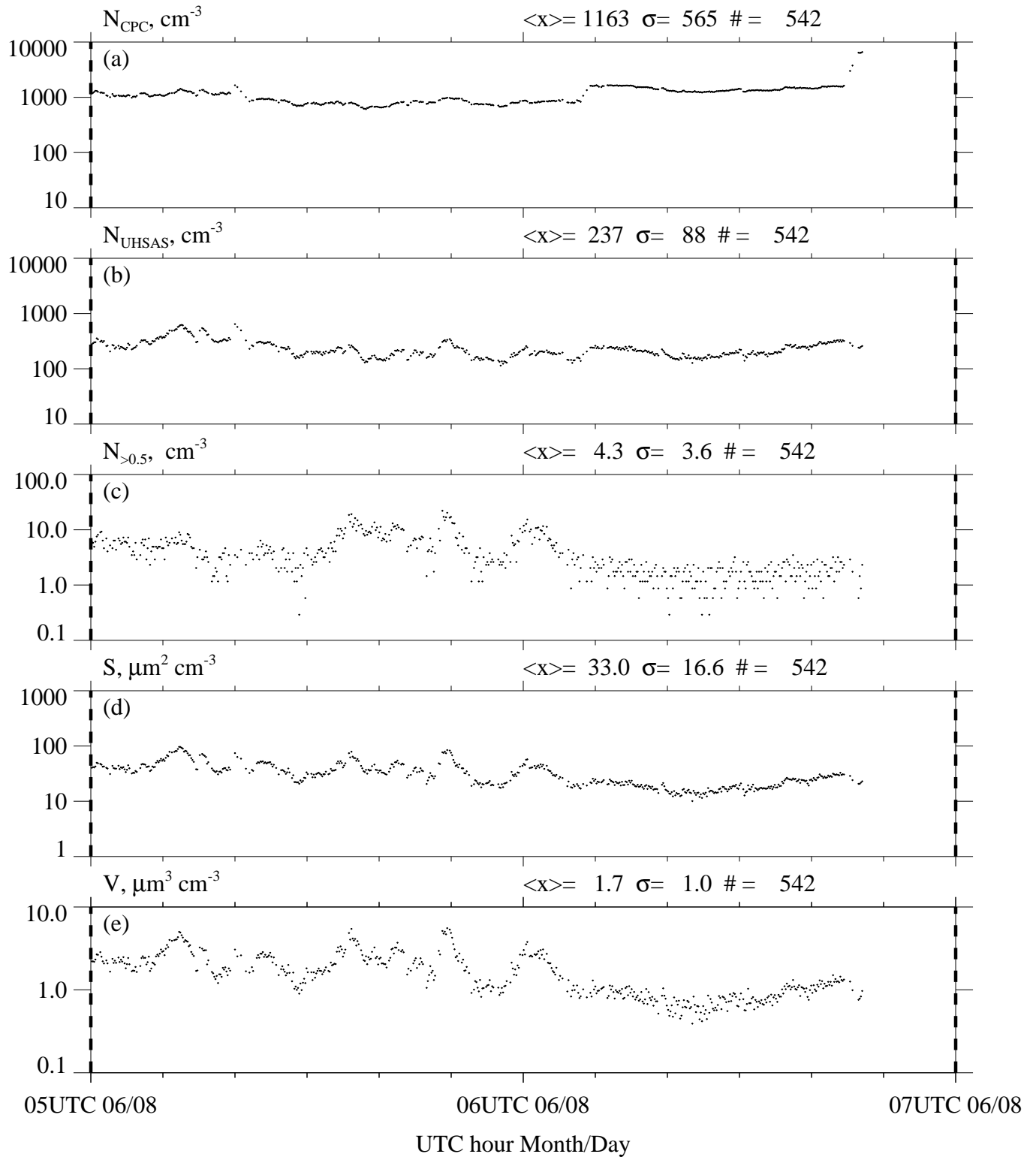
Start DDHHMM= 061700 End DDHHMM= 061900



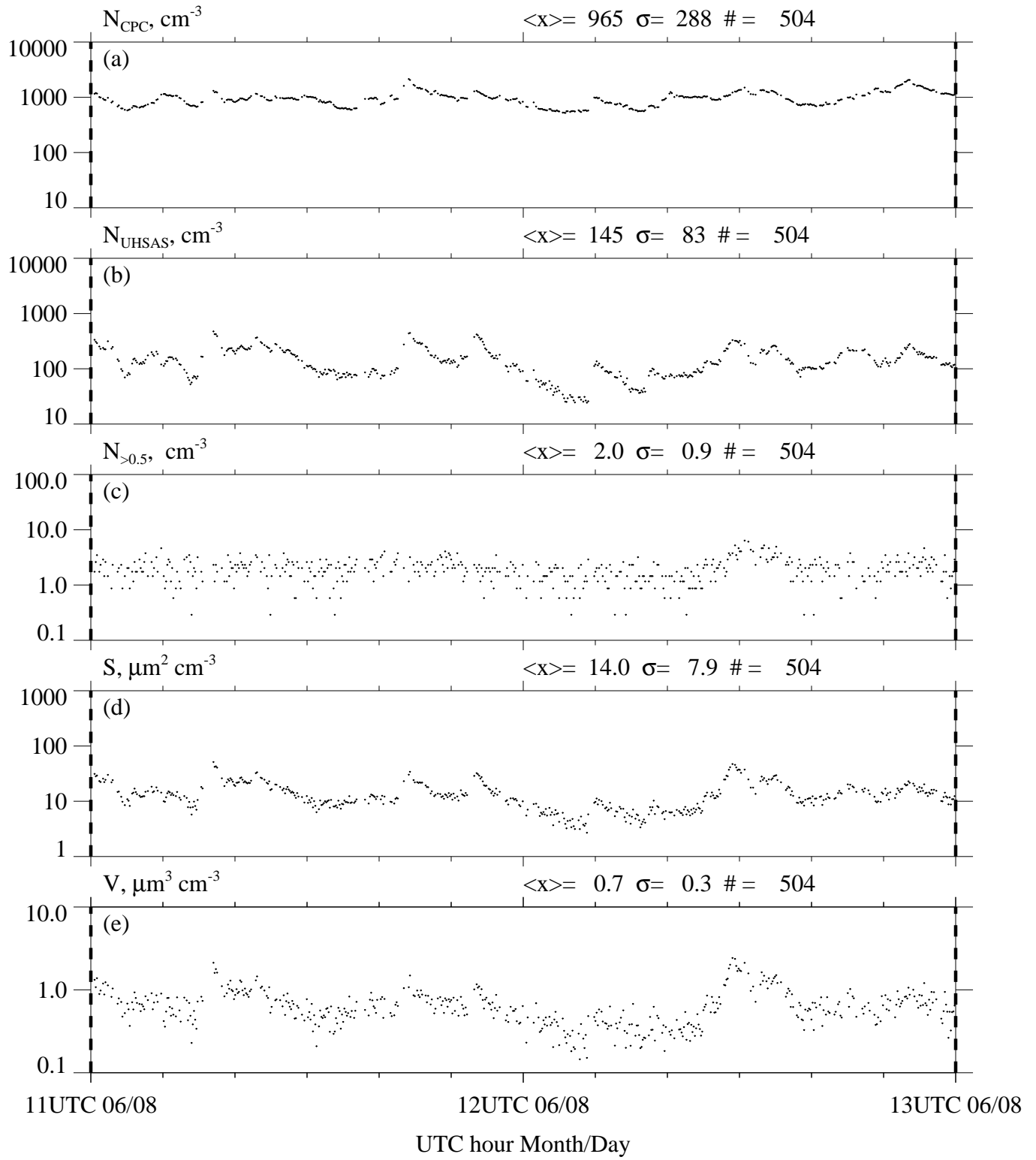
Start DDHHMM= 062300 End DDHHMM= 062325



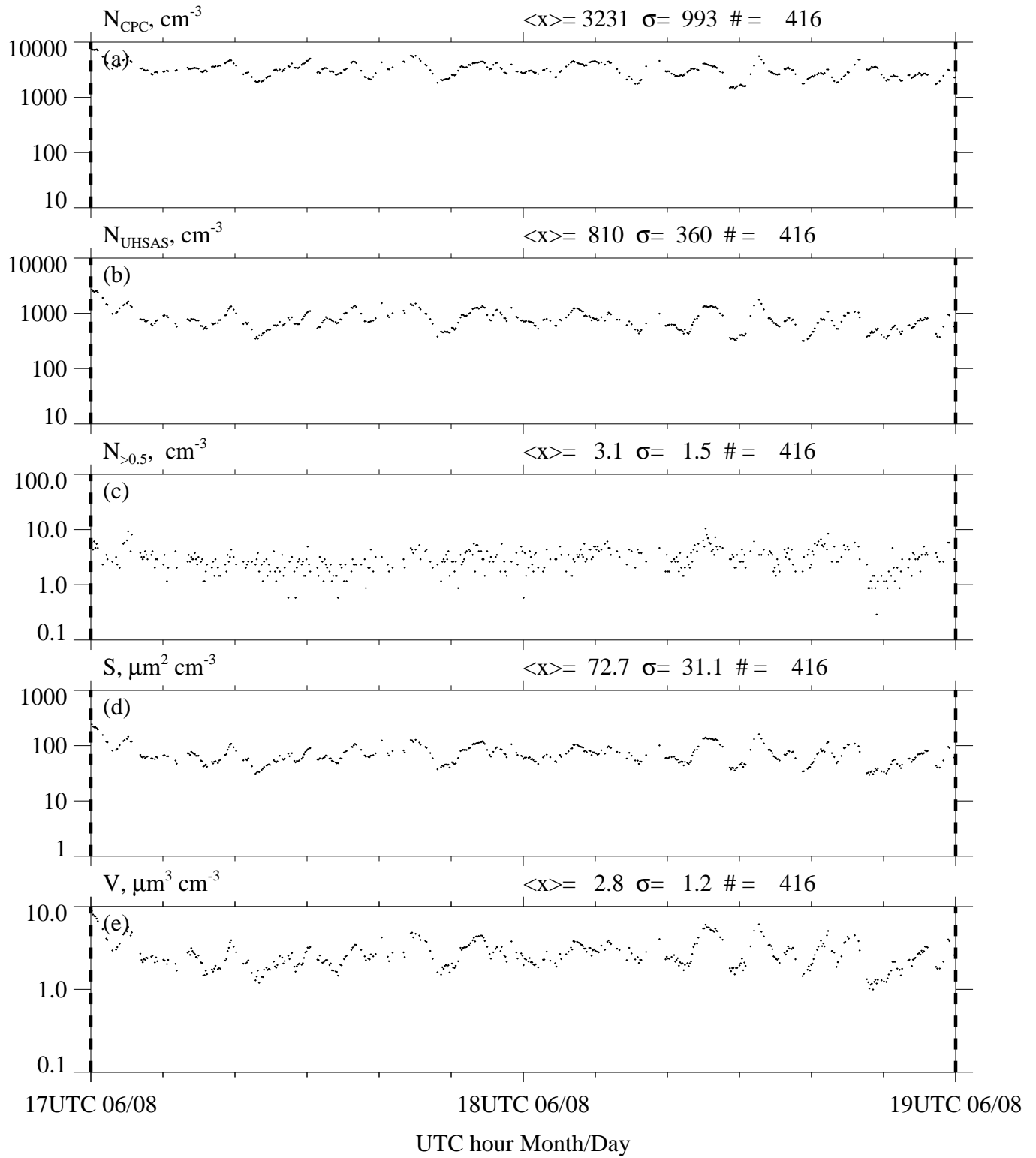
Start DDHHMM= 080500 End DDHHMM= 080700



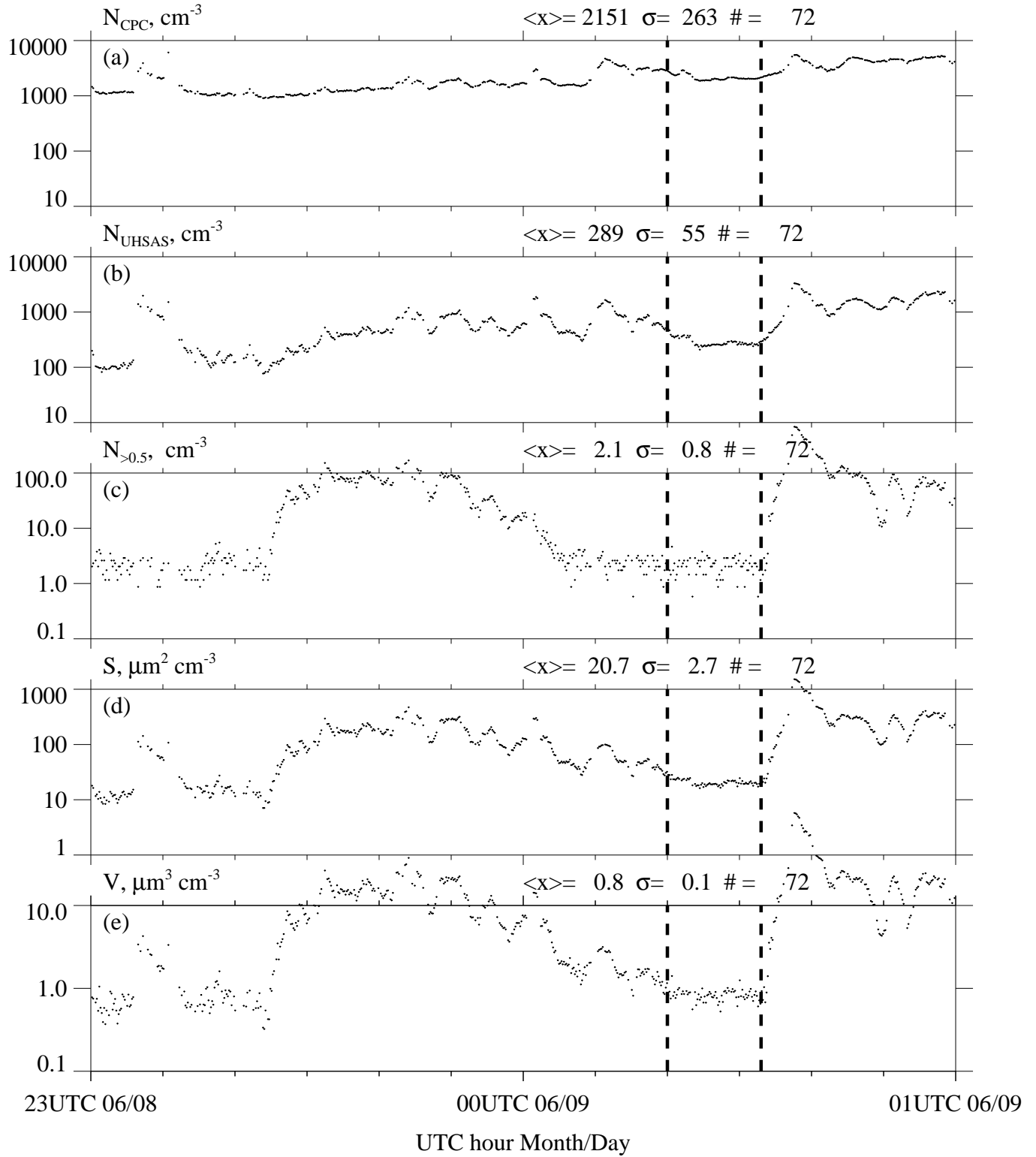
Start DDHHMM= 081100 End DDHHMM= 081300



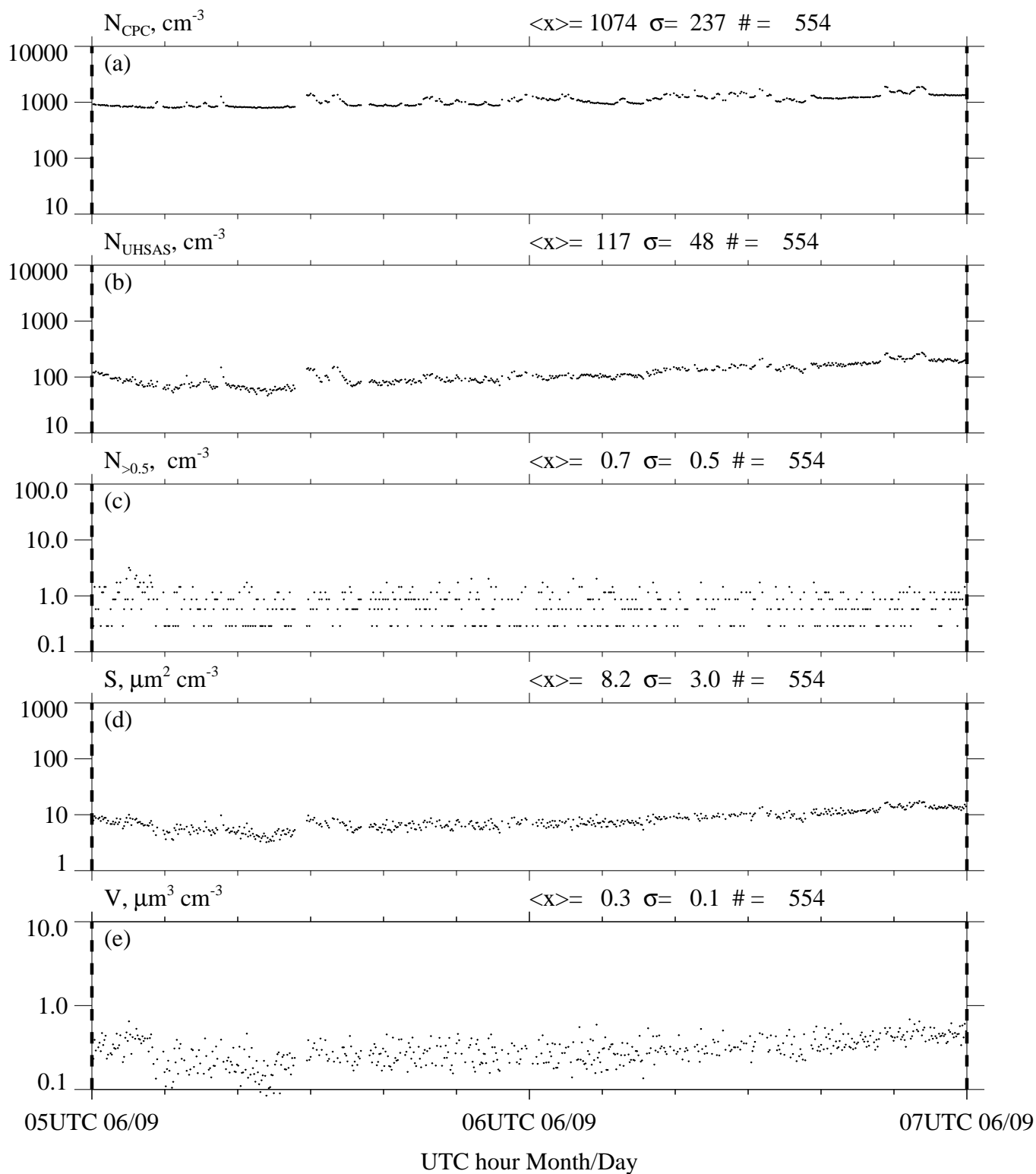
Start DDHHMM= 081700 End DDHHMM= 081900



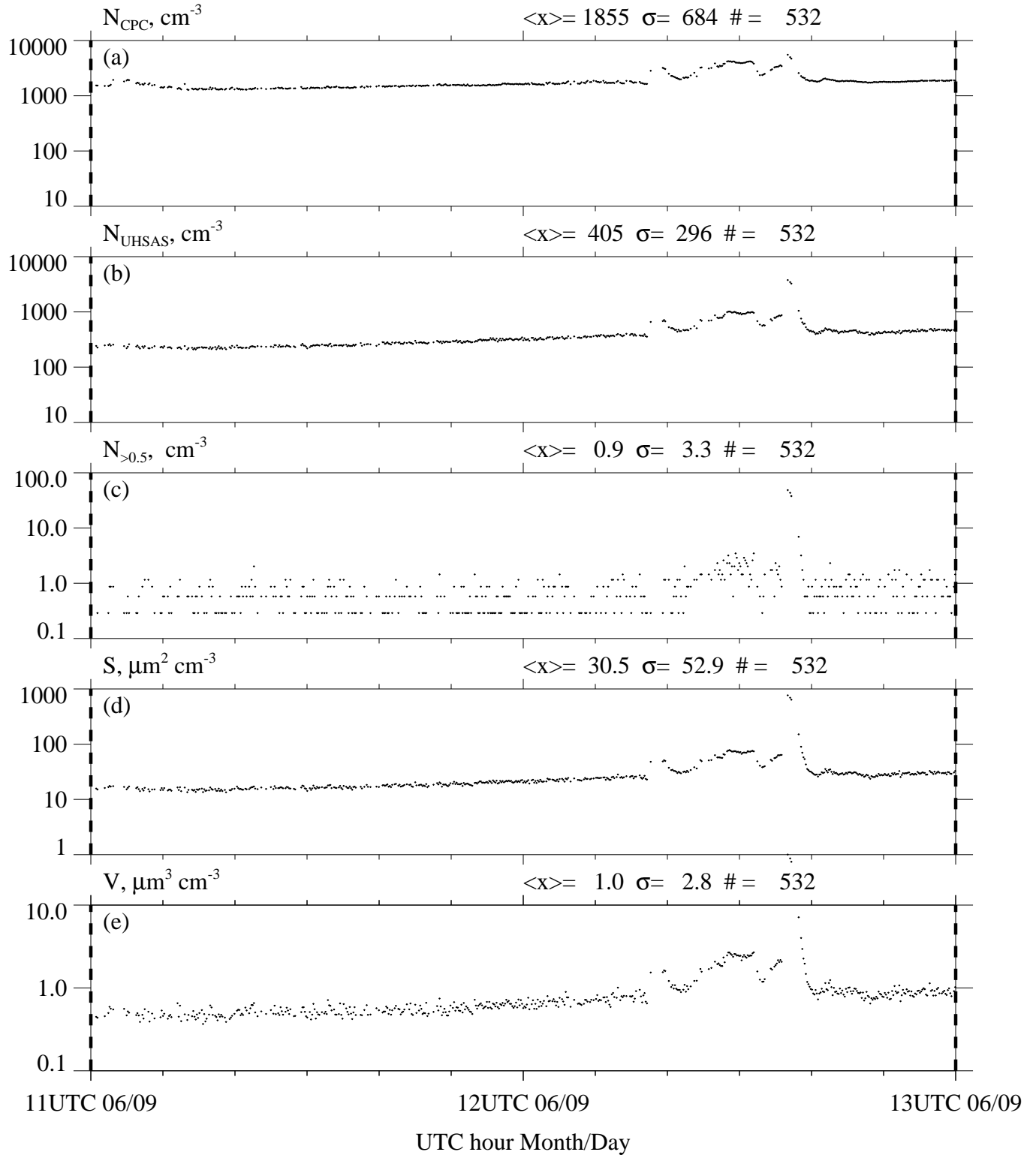
Start DDHHMM= 090020 End DDHHMM= 090033



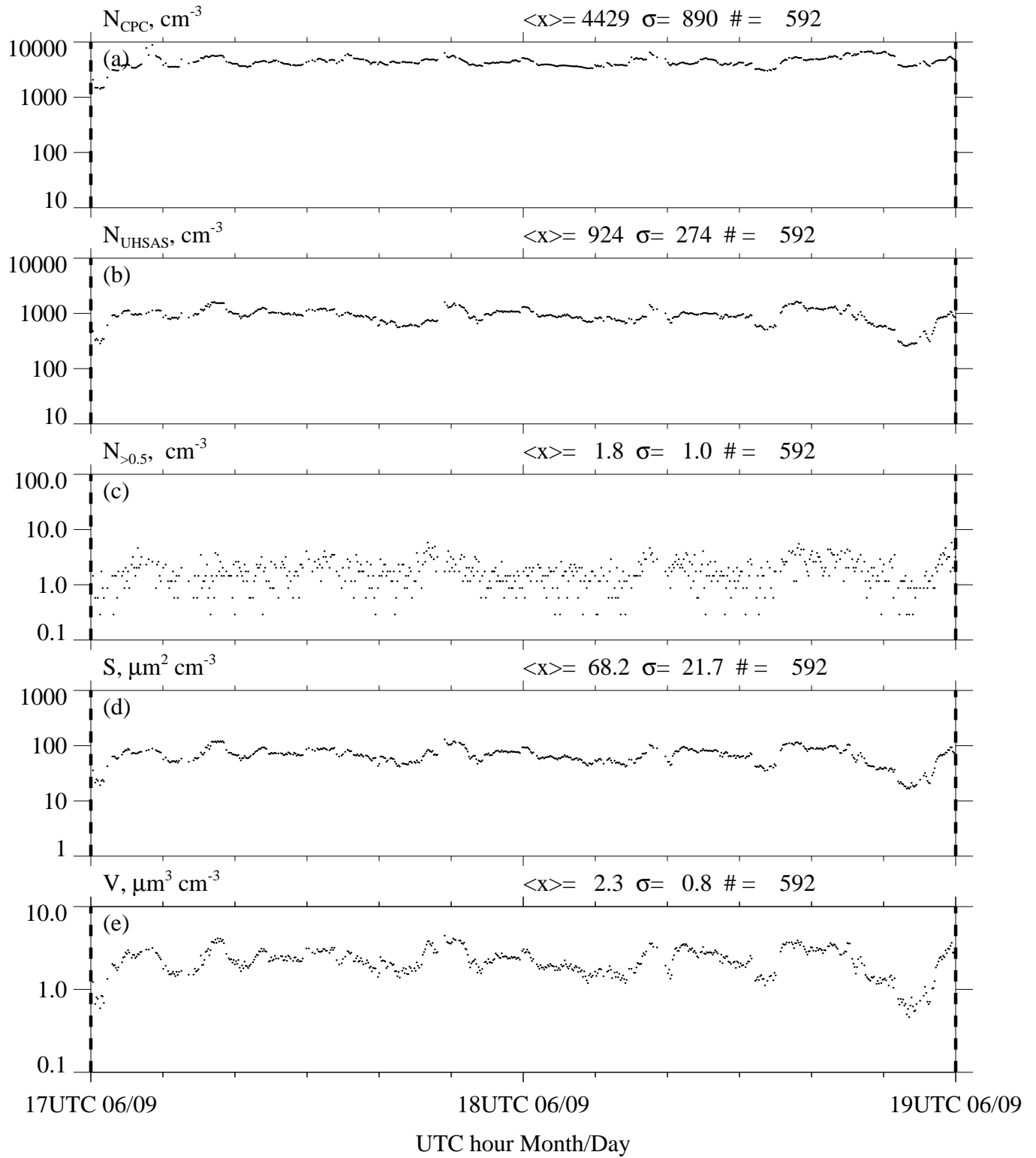
Start DDHHMM= 090500 End DDHHMM= 090700



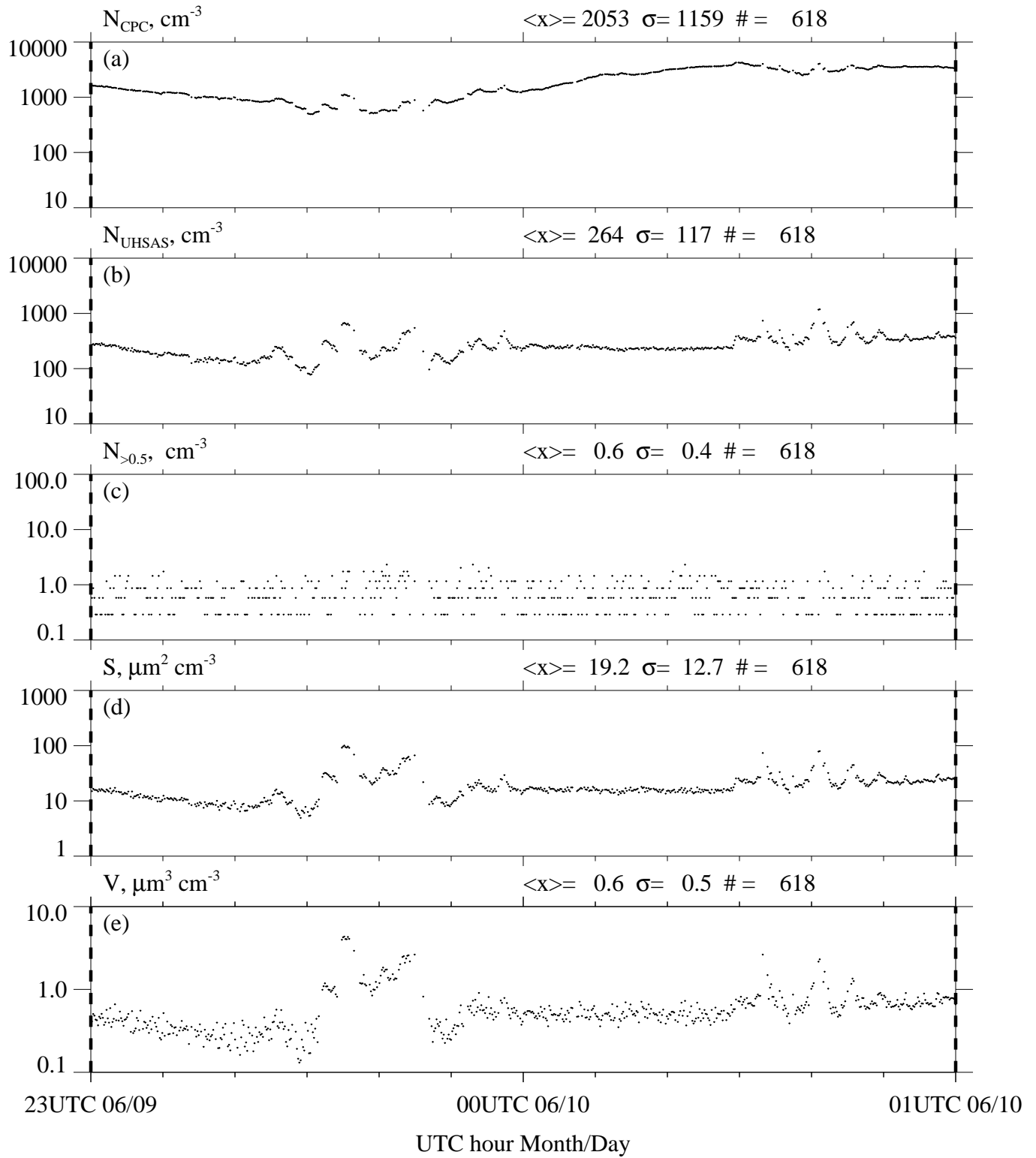
Start DDHHMM= 091100 End DDHHMM= 091300



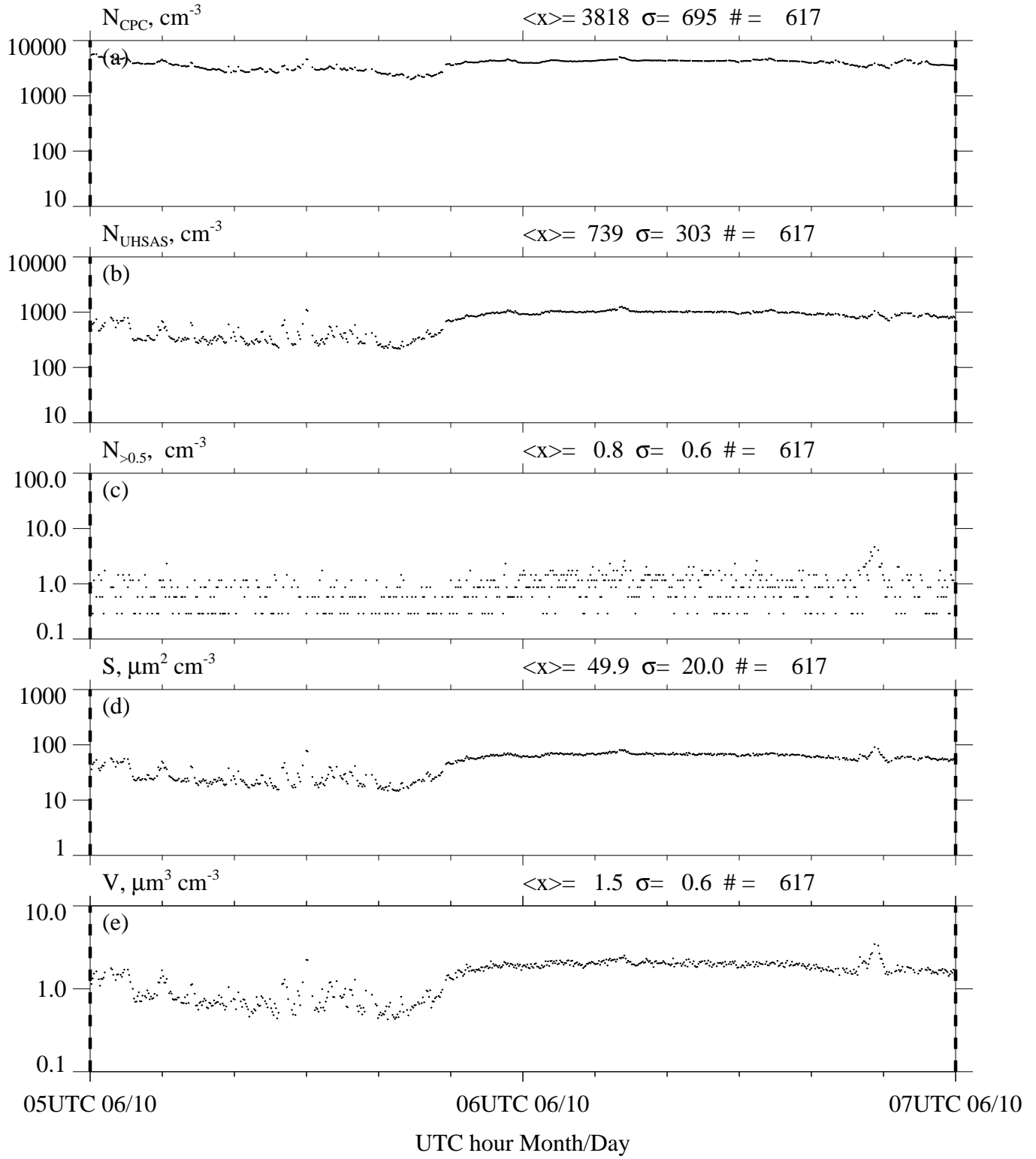
Start DDHHMM= 091700 End DDHHMM= 091900



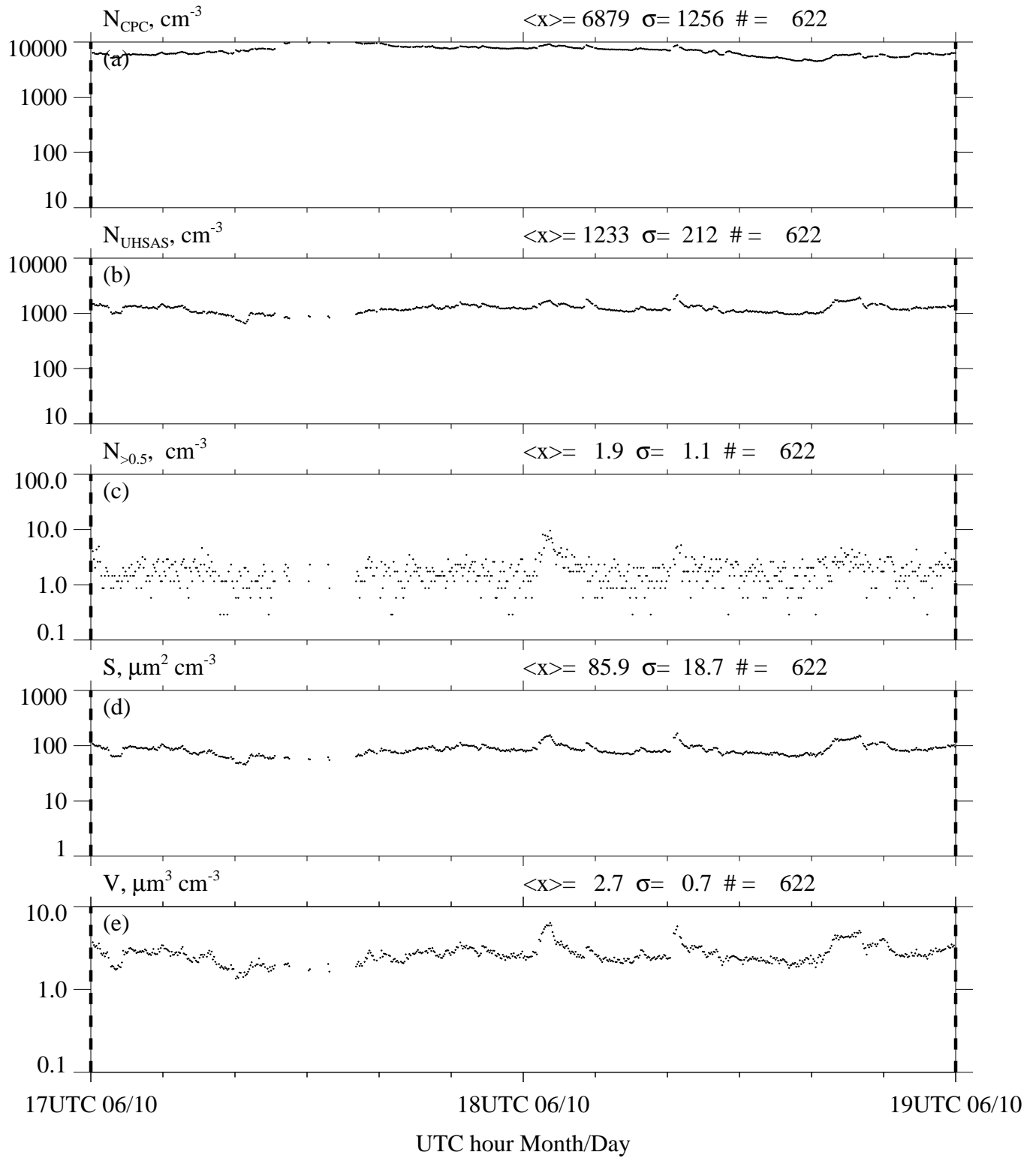
Start DDHHMM= 092300 End DDHHMM= 100100



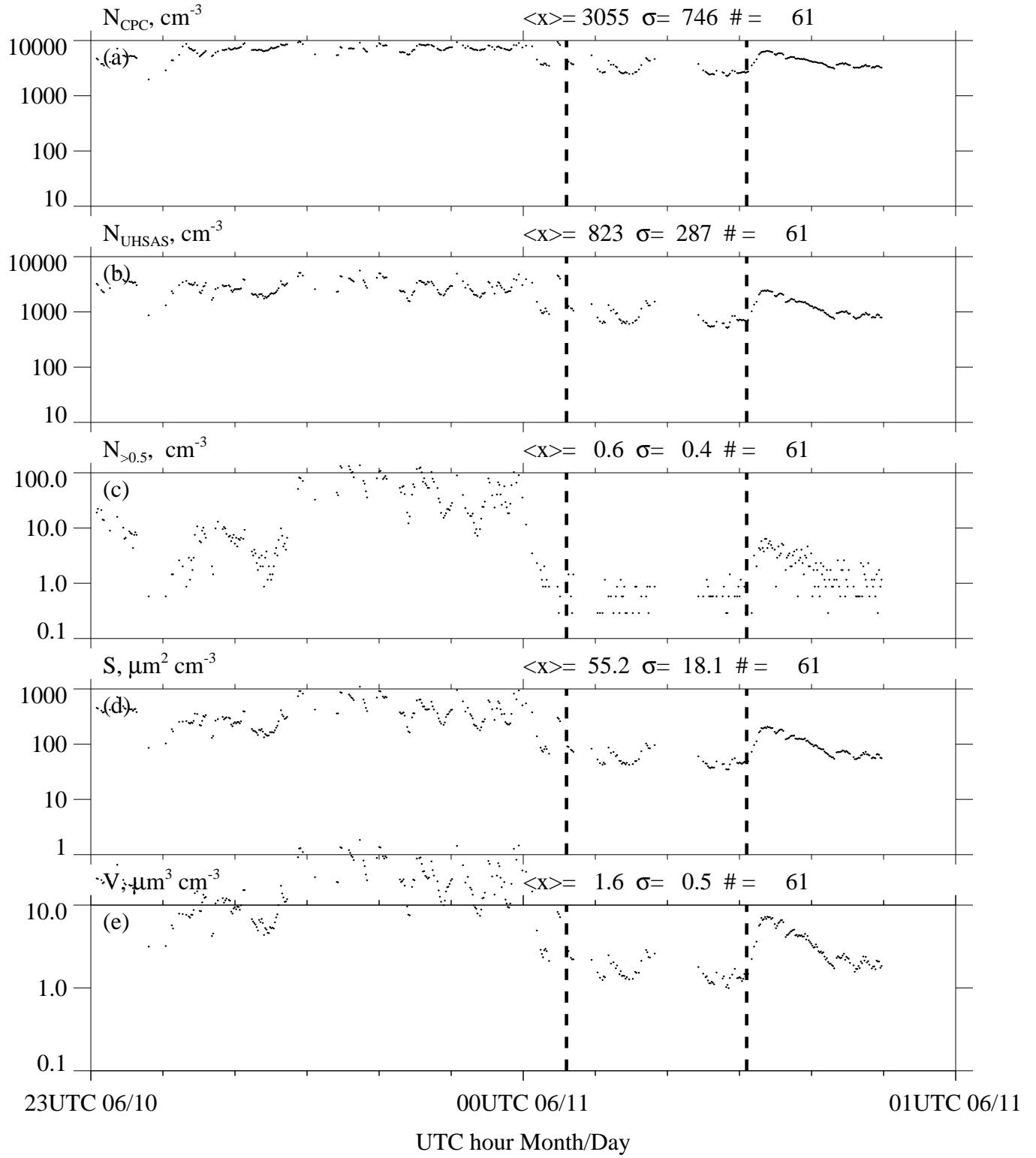
Start DDHHMM= 100500 End DDHHMM= 100700



Start DDHHMM= 101700 End DDHHMM= 101900



Start DDHHMM= 110006 End DDHHMM= 110031



Start DDHHMM= 262300 End DDHHMM= 270100

