

Abstract Submitted  
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**Probing Atmospheric Dynamics with High Altitude Balloons** LINSEY JOHNSON, SHANE L. LARSON, Utah State University — HARBOR is a high altitude balloon capable of carrying scientific experiments to altitudes of 100,000 feet or more, providing access to the troposphere, tropopause and lower stratosphere. We report on atmospheric profiling using a high resolution data logger capable of recording temperature and pressure at regular intervals during a HARBOR flight. This data is used for understanding dynamic variability of the lower atmosphere and is required for interpreting essential secondary data from other experiments on a given flight (such as HiSAM dust monitor, balloon dynamics, and flight reconstruction).

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