T-Rex Experimenters,

The AFRL balloon Rise Rate data for the T-Rex 2006 program are provided in the t-rex0xx_RR_data.txt files. The data in the four columns consists of the Altitude (km), Rise Rate (m/sec), The Mean Rise Rate (m/sec), and the variations about the mean in the Rise Rate (m/sec).

Digital filters are used to obtain the mean and the perturbations in the Rise Rate. The High-Pass filter has a stop-band at a spatial frequency of 1 cycle / 5000 m and a pass-band at 1 cycle/ 3277 m. The Low-pass filter has a pass-band at 1 cycle / 4000 m and a stop-band at 1 cycle / 2000 m. Those that prefer to use their own smoothing can use the first two columns of data.

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