



Database of measurements of whistler-mode chorus and hiss by the Double Star TC-1 spacecraft

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We present a unique database of whistler-mode chorus/hiss events obtained from the complete data set of wave measurements obtained by the STAFF/DWP wave instrument on board the Double Star TC-1 spacecraft. The data base covers the full operational period of the spacecraft, between January 2004 and October 2007. All the events have been visually selected from the onboard-analyzed time-frequency spectrograms of magnetic search-coil measurements below 4 kHz. Since the orbit of the TC-1 spacecraft is located close to the equatorial plane, our entire data set has been collected within 30 degrees of magnetic latitude. It thus represents observations close to the source region of equatorial chorus, covering L values between 4 and 10.