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Assignment #1

Website: <http://thunder.nsstc.nasa.gov/data/>

This website contains data that is collected by the Global Hydrology and Climate Center (GHCC) Lightning Team. Several datasets are available on this website, including data from the lightning imaging sensor (LIS), data from optical transient data (OTD), and TRMM data. LIS is a space-based sensor that has been detecting lightning in the tropics since it was launched as part of the TRMM mission in November 1997. OTD is a space-based sensor that has been used to determine the global distribution of lightning. Data is available from April 1995- March 2000. LIS/OTD gridded data is also available. The TRMM LBA data includes field mill data, conductivity probe temperatures from two probes, and navigation data. All the data collected by the Lightning Team is available free of charge. There are also links to other lightning datasets on this website including the National Lightning Detection Network (NLDN), the Long Range Lightning Detection Network, and the Kennedy Space Center Lightning Detection and Ranging (KSC LDAR) data. KSC LDAR data can be ordered through the GHCC. NLDN data is restricted on this website.