

National Geophysical Data Center Solar and Terrestrial Physics Division 325 Broadway Boulder, CO 80305-3328 USA

Dr. William F. Denig, Chief STP William.Denig@noaa.gov On LF amplitude recordings on paths about 1000 km long, **sudden field anomalies (SFA)** can be detected. These are events recognized by indirect phase measurements made evident by the one-hop sky wave interfering with the ground wave.

A **sudden frequency deviation (SFD)** is an event where the received frequency of an HF radio wave reflected from the ionosphere increases suddenly, peaks, and then decays back to the transmitted frequency. Sometimes several peaks occur and usually the frequency deviation takes on negative values during the decaying portion of an SFD.

1. Sudden Ionospheric Disturbances 1958-present (descriptive text)

- List of stations
- <u>SID Format</u> (Text) -- print before viewing data
 - SID event listings in annual files (All ftp)

2. PDF Tables of SIDs 2000-2009/07

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