

Results of Winter and Summer VLF Campaigns and Solar Eclipses using AWESOME and ICSP Receivers

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ICSP has been monitoring VLF signals since 2002 and found evidences of solar flares, meteor showers, gamma ray bursts, soft gamma ray repeaters. It is also studying the relationship between the anomalous VLF signals and the earthquakes. We carried out VLF campaigns in summer and winter in a dozen of places throughout India and found that signals vary from place to place at a given instant. Accordingly, a theoretical study of the variations of the diurnal signal has been initiated. We have excellent data during the 22nd July, 2009 total eclipse event. Similarly, we also have data during the annual solar eclipse of 15th January, 2010. We present results from these events.