

ViRBO – The Virtual Radiation Belt Observatory

SPASE Meeting

Bob Weigel

July 9th, 2007

Cosener's House, Abingdon, UK

ViRBO Effort

- ViRBO: A VxO, where x = “Radiation Belt”
 - Smaller data universe
 - Smaller community
- VxOWare: Software for building a VxO
 - Bring your own data
 - Bring your own users

- One part of the spectrum of “data units” is the time series
 - A few columns and many, many rows; often it is practical to store all of the data and there is no need to subset at all
 - Not often discussed in Space Physics – the daily file is most common unit
- Tried to create a data set visible through VSPO. Then I wanted the “get data” button to work on my data.
 - Discussion about time series format on SPASE mailing list was timely
 - The basic question: How would you recommend that one formats something along the lines of the yearly sunspot number index? Monthly? Daily?
- Examples
 - RBC index (10 years of daily data)
 - Denton (hourly data since 1963)
 - O’Brien reanalysis (10 years of hourly data at 24 local times)
 - TSDS (General time series)
 - ViSBARD (hourly data)
- Question
 - How to represent these data sets in SPASE

**SPASE-related
work**