Solar-Terrestrial data Analysis and Reference System: STARS

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   This paper describes a system that is under construction at Ehime University. The System is named Space-Terrestrial data Analysis and Reference System (STARS). It works with data provided by the ISTP satellites and works with ground-based observation data. To combine these different sources in software is crucial for integrated studies of the Earth magnetosphere.

   In the construction of the STAR System, we are following an object oriented methodology called Objected Modeling Technique (OMT) proposed by Raumbaugh and his co-workers. This kind of developed, constructed and developed with many programmers, who do not necessarily understand space physics. To help the development with the researchers and the programmers, the OMT consists of those five steps: User Requirements, Analyses, Design, Implementation and Test Model. Along with the OMT, we design and develop the STARS.