

Demonstration of Space-Terrestrial Analysis and Reference System

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Recently, a large amount and variety of satellite data are available. As more satellites be launched in the future, so quantity and quality of the data increase. New system is required that can refer and analyze these variety of data. We have been constructing a system which was named Space-Terrestrial Analysis and Reference System, STARS. It works with some satellite data. GEOTAIL, POLAR and WIND. It also works with ground-based observation data.

In the STARS, we use a software development method which is called Object Modeling Technique(OMT) proposed by James Raumbaugh. The OMT has four steps: Analyses, Object Design, System Design and Implementation. In our talk, we present our OMT design and demonstrate the STARS.