

Data Processing, Display, and Analysis for the KOMPSAT OSMI Sensor.

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This presentation summarizes the development processes of the KOMPSAT OSMI data analysis system (OSMIDAS). The conceptual design framework of the OSMIDAS is based upon the NASA SeaWiFS data analysis system (SeaDAS) and thus the OSMIDAS can be utilized for the processing, display, and analysis of all OSMI data products from level 0 to standard map images. The SeaDAS modules have been modified to adequately incorporate the OSMI specific characteristics such as scanning method, number of spectral bands, orbital elements, spacecraft attitude and so on.

Test results with the use of simulated OSMI data demonstrated that the OSMI product processing can be performed at a high level of image data quality. Image products are displayed by a OSMIDAS module known as OSMIDisp.