

GOME Instrument Performance Reports on the ESRIN WWW pages

Two operational software systems (Daily Reports and ERGO) are used within the ESRIN Product Control Service to monitor the GOME Instrument Performance. The following reports produced by these software systems are put on the ESRIN WWW pages to give to users information about the GOME instrument status:

Daily GOME Instrument Performance Quick-look Images: Ozone Line Ratio - gives a relative indication of the global ozone field by ratioing the intensity received in two ozone lines. PMD Image - gives information about cloud, sea and desert features from broad band sampling of the Earthshine radiance at wavelengths approximately corresponding to red (PMD3), green (PMD2) and blue (PMD1). NDVI (Vegetation Index) and NearIR Intensity - high values in the first of these show information about vegetation whereas high values in the second one indicate cloud, ice and desert.

Weekly Reports: summarize in a simple table the GOME instrument performance over one week

Monthly Reports: replace the weekly reports and summarize in a simple table the GOME instrument performance over one month

Yearly Anomaly Reports: listing of all anomalies in the GOME instrument performance over one year