

January 23-29, 2004

<P>The Terra spacecraft is operating nominally. All five instruments are in science mode.</P>

<P>The investigation into the KSA Tracking and Data Relay Satellite System (TDRSS) dropouts continues. Meetings have been held with the Flight Operations Team and White Sands personnel with Space Network support from GSFC. Analyzing EOS Data and Operations System (EDOS) data in the EOC, it was discovered that on Jan. 15, 2004, (DOY 015) after TDS was moved from STGT SGLT 1 to STGT SGLT 3, dropouts no longer occurred. On Jan. 16, TDW was moved from WSGT SGLT 5 to STGT SGLT 1. Subsequent to this transition, dropouts began occurring on TDW on Jan. 20. From Jan. 20-25, seven dropouts were recorded on seven separate TDW events. The problem is apparently in the path from STGT SGLT 1 to the EDOS GSIF, and White Sands has initiated testing on this path.</P>

<P><B>Plans:</B><BR>

A routine roll maneuver for support of MODIS lunar calibration will be conducted on February 10, 2004.</P>