

Low Rate Information Transmission (LRIT)
Transition to GOES-13 from GOES-12

GOES-13 is scheduled to replace GOES-12 as the GOES-East operational spacecraft on April 14, 2010. The exact time has yet to be determined. GOES 13 is currently being flown to the East at approximately one-half a degree per day. After GOES-13 becomes the operational GOES-East satellite, GOES-12 will be moved to 60° West to support South America.

On April 14, 2010, as GOES-13 approaches 81° West, the GOES 13 GVAR imagery will begin to be relayed through GOES-12 and GOES-13 will be declared GOES-East in the NOAA GOES Constellation. Users with fixed GVAR and LRIT antennae will not need to re-point to GOES-13. When the GVAR imagery is relayed from GOES-13 through GOES-12, LRIT imagery will be re-processed from GOES-13 GVAR as well and will be relayed through GOES-12. This will continue until April 26, 2010 when LRIT on GOES-13 is switched on, uplink and downlink transmission is verified and LRIT on GOES-12 is switched off. There will be a less than 10 minute loss of LRIT broadcast availability during the switch.

On February 17, 2010, the GOES West LRIT broadcast was simulcast through GOES-13 transponder for one hour. A one meter antenna used to monitor LRIT was re-pointed at GOES-13. No other adjustments were made to the antenna. All files were received and no issues were identified. User receiver antennas should not need to be adjusted to account for the transition. However it would be prudent for users to check the antenna pointing and polarization settings, at their first opportunity, to ensure optimum performance of the receive terminals.

We will provide periodic updates to this transition plan as milestones are met, or any deviations from the schedule are anticipated. Updated information will be posted to:

<http://www.ssd.noaa.gov/PS/SATS/> .

<http://www.ssd.noaa.gov/PS/SATS/bulletins.html>

<http://noaasis.noaa.gov/NOAASIS/>) or more specifically at:

<http://noaasis.noaa.gov/cemscs/navsum.txt> and TBUS08 bulletins at:

<http://noaasis.noaa.gov/cemscs/gostbus.txt> .

<http://www.weather.gov/emwin/>

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