

# NASA sees Tropical Depression Jal's remnants entering and leaving India

November 8 2010

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NASA's Terra satellite flew over Tropical Cyclone Jal at 05:30 UTC (1:30 a.m. EDT) on Nov. 7 as it was making landfall and its eastern half was still in the Bay of Bengal. Credit: NASA/MODIS Rapid Response Team

Jal was a tropical storm when it made landfall this weekend on the east coast of India and tracked across the country while weakening into a remnant low pressure area. NASA's Terra satellite captured an image of Jal's center as it was entering eastern India and NASA's Aqua satellite captured an infrared image as it was departing the country.

This weekend, Tropical Cyclone Jal made landfall in east central India

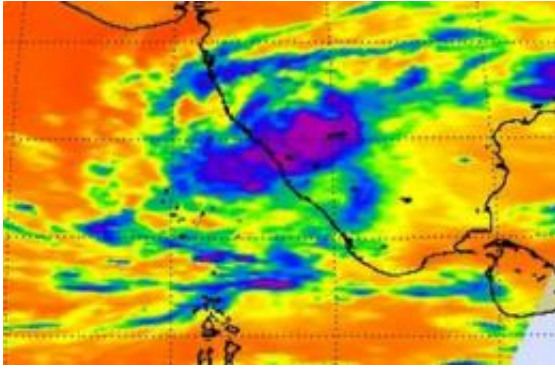
and crossed the northern coast of Tamil Nadu and southern coast of Andhra Pradesh, north of Chennai. It dropped heavy rainfall and created some flooding. Gusty winds were also reported.

NASA's Terra satellite flew over Tropical Cyclone Jal at 05:30 UTC (1:30 a.m. EDT) on Nov. 7 just as it was making landfall and its eastern half was still in the Bay of Bengal.

In the southern coastal districts of Andhra Pradesh evacuations occurred before Jal made landfall. Fortunately, Jal weakened before it made landfall near Chennai.

On Nov. 7 at 1800 UTC (11:30 p.m. local time/India) Tropical Cyclone Jal was about 20 nautical miles north-northeast of Chennai, India near 13.4 North and 80.4 East. It was moving west-northwest near 11 mph and its [maximum sustained winds](#) were down to 39 mph (minimum tropical storm-force).

On Sunday, November 7 at 6 p.m. EDT (4:30 a.m. local time/India on Nov. 8) a weather observer in Mahabaleshwar, India (located on the west side of India) emailed NASA and reported gusty winds from Tropical Cyclone Jal had been occurring for two hours even though its center was located near the east coast. Jal weakened into a tropical depression and heavy rainfall moved into Mahabaleshwar as Jal continued moving inland.



This infrared image of Tropical Cyclone Jal's cold thunderstorm cloud tops was captured from the Atmospheric Infrared Sounder instrument on NASA's Aqua satellite on Nov. 7 at 20:41 UTC as its center was moving into the Arabian Sea. Strongest thunderstorms (purple) remained over land. Credit: NASA/JPL, Ed Olsen

Mahabaleshwar is a city and a municipal council in Satara district in the Indian state of Maharashtra, located in the Western Ghats range.

On Monday, Nov. 8 at 2:30 a.m. local time/India, Jal's center was still over land and clouds on its eastern extent were over the Arabian Sea. Jal was centered 25 miles north of Hospet, Karnataka, India.

The Atmospheric Infrared Sounder instrument on NASA's Aqua satellite captured an infrared image of Tropical Cyclone Jal's cold thunderstorm cloud tops on Nov. 7 at 20:41 UTC (7:11 a.m. local time/India on Nov. 8) as its center was moving into the Arabian Sea. At that time, some of the strongest thunderstorms remained over land in western India.

By 8 a.m. EDT (6:30 p.m. local time/India) Nov. 8, the same weather observer who emailed NASA on Nov. 7 reported that the remnants of Jal had not cleared yet. He reported that the entire day was overcast and there were some sprinkles.

The remnants of tropical cyclone Jal are moving into the northeastern Arabian Sea so forecasters are watching it for possible regeneration.

Provided by NASA's Goddard Space Flight Center

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