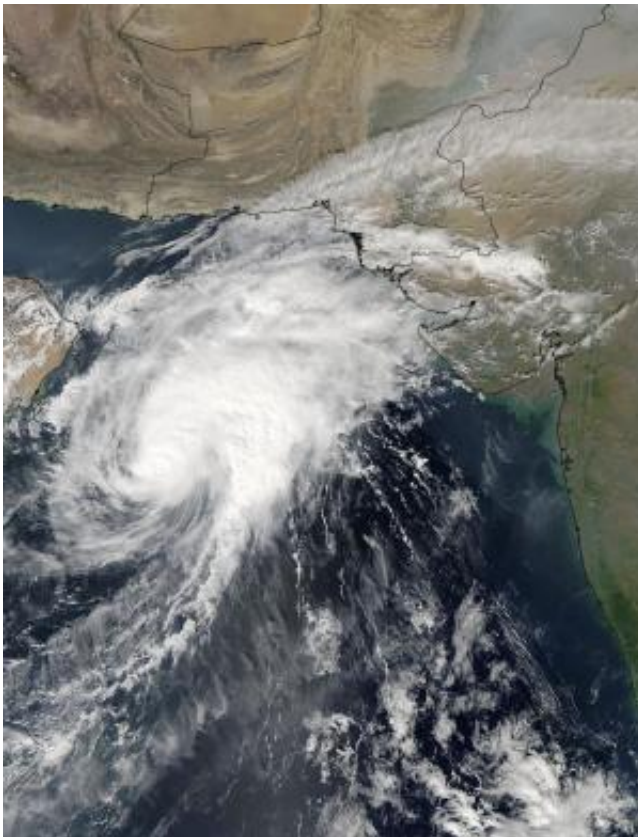


NASA sees Tropical Cyclone Nilofar being affected by wind shear

October 29 2014, by Rob Gutro



NASA's Aqua satellite captured this image on Oct. 29 at 09:00 UTC (5 a.m. EDT) as Tropical Cyclone Nilofar moved through the Arabian Sea toward a landfall in northwestern India. Credit: NASA Goddard MODIS Rapid Response Team

Wind shear has kicked in and has been pushing clouds and showers away

from Tropical Cyclone Nilofar's center. NASA's Aqua satellite captured an image that showed the effects of the shear on Oct. 29.

The Moderate Resolution Imaging Spectroradiometer aboard NASA's Aqua satellite captured an image of Tropical Cyclone Nilofar on Oct. 29 at 09:00 UTC (5 a.m. EDT). Tropical Cyclone Nilofar is moving through the Arabian Sea. The image shows that clouds were being pushed to the northeast of the center of the storm, from strong southwesterly [wind shear](#).

On Oct. 29 at 1500 UTC (11 a.m. EDT), Nilofar had maximum sustained winds near 90 knots (103.6 mph/166.7 kph) and slow weakening is expected over the next couple of days. Nilofar was centered near 19.5 north latitude and 62.5 east longitude, about 205 nautical miles (236 miles/380 km) east-southeast of Masirah Island. Nilofar was moving to the north-northeast at 6 knots (6.9 mph/11.1 kph).

India's Regional Specialized Meteorological Service or RSMC forecast said Cyclone Nilofar is expected to move northeastward and cross north Gujarat and the adjoining Pakistan coast around Naliya by the night time hours on Oct. 31, but as it approaches the Gujarat Coast it is expected to weaken to a depression. For the full bulletin, visit:

<http://www.rsmcnewdelhi.imd.gov.in/images/bulletin/rsmc.pdf>. For updated forecasts, visit: <http://www.rsmcnewdelhi.imd.gov.in>.

Although one of the computer forecast models calls for dry air to move into the system and possibly dissipate it over the ocean, the consensus suggests a landfall. The Joint Typhoon Warning Center forecast calls for Nilofar to weaken to a [tropical storm](#) and make landfall near the India/Pakistan border late on Oct. 31 (UTC).

Provided by NASA's Goddard Space Flight Center

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