

AWIO20 FMEE 141121

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

BULLETIN FOR CYCLONIC ACTIVITY AND SIGNIFICANT TROPICAL WEATHER IN
THE SOUTHWEST INDIAN OCEAN

DATE: 2020/11/14 AT 1200 UTC

PART 1:

WARNING SUMMARY:

Bulletins WTIO20 FMEE n°008/1 et WTIO30 FMEE n°8/1/20202021 on Severe Tropical Storm ALICIA issued at 06Z. Next warnings at 12Z.

PART 2 :

TROPICAL WEATHER DISCUSSION:

The thunderstorm activity is strong over the central Indian Ocean in connection with Severe Tropical Storm ALICIA and an area of disturbed weather monitored since several days between the Seychelles and the Chagos archipelago.

Disturbed weather zone southwest of the Chagos archipelago:

The suspect zone, which has been monitored for several days southwest of the Chagos Islands, has shown no signs of intensification in the last 24 hours. However, the Ascat pass of 0529Z shows that a closed circulation is isolating itself near 8.3°S and 65.1°E on the western edge of a low-levels trough axed along 7-8°S between 64°E and 71°E. Maximum winds are estimated at 20/25 kt and central pressure at 1005 hPa. Associated convective activity is locally strong but present only in the southwest quadrant due to a strong easterly shear generated by ALICIA's outflow.

The environmental conditions appear marginally favorable for an intensification to tropical storm stage: Equatorial westerly winds continue to induce a strengthening of the vorticity of low layers but on the other hand, the system evolves along the northern edge of the upper levels ridge and is exposed to a persistent Easterly to Eastnortheasterly shear accompanied by dry air intrusion in the mid-levels.

The system is expected to drift generally eastwards until Monday and then curve southeastwards in the wake of ALICIA.

The risk of a tropical storm forming in the southwest and then south of the Chagos becomes low until Monday.

Severe Tropical Storm ALICIA :

Position at 09Z: 9.3S / 77.9E

Maximum Wind: 50 kt

Central pressure: 992 hPa

Current movement : South-Westwards at 13 kt

For further information, please refer to bulletins WTIO20 and WTIO30 FMEE issued at 06Z and followings.

NOTA BENE: The likelihood is an estimate of the chance of the genesis of a moderate tropical storm over the basin and within the next five days:

<i>Very low:</i>	<i>less than 10%</i>	<i>Moderate:</i>	<i>30% to 60%</i>	<i>Very high:</i>	<i>over 90%</i>
<i>Low:</i>	<i>10% to 30%</i>	<i>High:</i>	<i>60% to 90%</i>		

The Southwestern Indian Ocean basin extends from the equator to 40S and from the african coastlines to 90E.