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RSMC / TROPICAL CYCLONE CENTER / LA REUNION
TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 13/2/20182019
1.A TROPICAL CYCLONE 2 (ALCIDE)

2.A POSITION 2018/11/09 AT 0600 UTC:
WITHIN 30 NM RADIUS OF POINT 12.8 S / 53.0 E
(TWELVE DECIMAL EIGHT DEGREES SOUTH AND FIFTY THREE DECIMAL ZERO DEGREES EAST)
MOVEMENT : QUASI-STATIONARY

3.A DVORAK ANALYSIS: 4.0/4.5/W 1.5/24 H

4.A CENTRAL PRESSURE: 985 HPA
5.A MAX AVERAGE WIND SPEED (10 MN): 65 KT
RADIUS OF MAXIMUM WINDS (RMW) :37 KM

6.A EXTENSION OF WIND BY QUADRANTS (KM):
28 KT NE: 90 SE: 140 SW: 110 NW: 100
34 KT NE: 60 SE: 90 SW: 70 NW: 60
48 KT NE: 50 SE: 60 SW: 60 NW: 60
64 KT NE: 40 SE: 0 SW: 40 NW: 40

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1010 HPA / 300 KM
8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : DEEP

1.B FORECASTS:
12H: 2018/11/09 18 UTC: 12.8 S / 53.1 E, MAX WIND=050 KT, SEVERE TROPICAL STORM
24H: 2018/11/10 06 UTC: 12.7 S / 53.2 E, MAX WIND=040 KT, MODERATE TROPICAL STORM
36H: 2018/11/10 18 UTC: 12.6 S / 53.1 E, MAX WIND=035 KT, MODERATE TROPICAL STORM
48H: 2018/11/11 06 UTC: 12.4 S / 52.9 E, MAX WIND=035 KT, MODERATE TROPICAL STORM
60H: 2018/11/11 18 UTC: 12.1 S / 52.7 E, MAX WIND=030 KT, FILLING UP
72H: 2018/11/12 06 UTC: 11.8 S / 52.4 E, MAX WIND=030 KT, FILLING UP

2.B LONGER-RANGE OUTLOOK :
96H: 2018/11/13 06 UTC: 10.8 S / 51.6 E, MAX WIND=030 KT, FILLING UP
120H: 2018/11/14 06 UTC: 10.0 S / 49.7 E, MAX WIND=025 KT, FILLING UP

2.C ADDITIONAL INFORMATION:
T=4.0- CI=4.5-

DURING THE LAST 06 HOURS, THE CLOUD PATTERN HAS CONTINUED TO WEAKEN WITH NOTABLY A WARMING OF THE CLOUD TOPS. LATEST MW IMAGERY SHOW A WEAKENING OF THE EYE PATTERN UNDERNEATH THE CIRRUS CANOPY AND LATEST VIS IMAGERY REVEALS A SOMEWHAT LARGE LOW LEVEL CENTER. THE CURRENT INTENSITY ESTIMATES IS BASED ON CONGRUENT DVORAK ANALYSIS AT 4.5 BUT LATEST SATCON ESTIMATE OF 0306Z SUGGEST THAT THE INTENSITY MAY BE LOWER THAN THAT.

ALTHOUGH THE DEEP LAYER SHEAR IS STILL RATHER LOW, THE CURRENT WEAKENING TREND MAY DUE TO A COMBINATION OF 400 HPA DRY AIR INTRUSION INTO THE INNER CORE AND NEGATIVE FEEDBACK FROM THE OCEAN OVER LIMITED TCHP CONTAIN.

THE INTENSITY FORECAST IS SPLIT BETWEEN THE INTENSITY CONSENSUS ICNW THAT SHOW A RATHER LOW WEAKENING TREND OVER THE NEXT 48H AND SOME VERY AGRESSIVE MODEL IN THE WEAKENING TREND AS IFS AND AROME-INDIEN NOTABLY. THE ONGOING TREND FAVOR THE SECOND OPTION.

TODAY, THE SYSTEM HAS SLOW DOWN IN AN AREA WITH NO SIGNIFICANT STEERING FLOW. THEREAFTER, THE TRACK IS EXPECTED TO MOVE UPWARDS TO THE NORTH-WEST, PUSHED BY A LOW-LEVEL STEERING FLOW.