



Direction Interrégionale à la Réunion
50, Boulevard du Chaudron
97490 Sainte-Clotilde
Tél : 0262 92 11 00
Fax Exploitation : 0262 92 11 48
Fax Direction : 0262 92 11 47



METEO FRANCE
Toujours un temps d'avance

WTIO30 FMEE 291918

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

0.A WARNING NUMBER: 11/8/20142015

1.A VERY INTENSE TROPICAL CYCLONE 8 (EUNICE)

2.A POSITION 2015/01/29 AT 1800 UTC:

WITHIN 15 NM RADIUS OF POINT 17.0 S / 67.3 E

(SEVENTEEN DECIMAL ZERO DEGREES SOUTH AND SIXTY SEVEN DECIMAL THREE DEGREES EAST)

MOVEMENT : SOUTH-SOUTH-EAST 9 KT

3.A DVORAK ANALYSIS: 7.0/7.0/D 1.0/6 H

4.A CENTRAL PRESSURE: 915 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 120 KT

RADIUS OF MAXIMUM WINDS (RMW) :19 KM

6.A EXTENSION OF WIND BY QUADRANTS (KM):

28 KT NE: 410 SE: 410 SW: 340 NW: 340

34 KT NE: 280 SE: 240 SW: 220 NW: 270

48 KT NE: 160 SE: 140 SW: 130 NW: 150

64 KT NE: 70 SE: 70 SW: 70 NW: 70

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1006 HPA / 1000 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : DEEP

1.B FORECASTS:

12H: 2015/01/30 06 UTC: 18.5 S / 68.0 E, MAX WIND=120 KT, VERY INTENSE TROPICAL CYCLONE

24H: 2015/01/30 18 UTC: 19.6 S / 68.9 E, MAX WIND=095 KT, INTENSE TROPICAL CYCLONE

36H: 2015/01/31 06 UTC: 20.4 S / 70.3 E, MAX WIND=090 KT, INTENSE TROPICAL CYCLONE

48H: 2015/01/31 18 UTC: 20.8 S / 72.4 E, MAX WIND=085 KT, TROPICAL CYCLONE

60H: 2015/02/01 06 UTC: 21.1 S / 75.1 E, MAX WIND=075 KT, TROPICAL CYCLONE

72H: 2015/02/01 18 UTC: 21.2 S / 78.5 E, MAX WIND=065 KT, TROPICAL CYCLONE

2.B LONGER-RANGE OUTLOOK :

96H: 2015/02/02 18 UTC: 22.9 S / 86.1 E, MAX WIND=055 KT, SEVERE TROPICAL STORM

120H: 2015/02/03 18 UTC: 26.0 S / 91.5 E, MAX WIND=045 KT, POST-TROPICAL DEPRESSION

2.C ADDITIONAL INFORMATION:

T=CI=7.0-

DURING THE PAST SIX HOURS, EUNICE HAS CONTINUED TO STRENGTHEN AND SHOW NOW AN IMPRESSIVE EYE PATTERN WITH A 20 NM DIAMETER FAIRLY PURE EYE EMBEDDED WITHIN A SMOOTH CDO. AT 18Z, RAW DT AVERAGED OVER 3HR IS AT 6.9 AND IS CHOSEN AS FT. OTHER DVORAK ANALYSIS ARE AT 6.5 (110-115 KT 10 MIN WINDS) AND 7.0 (120-125 KT 10 MIN WINDS). ADT SEEMS TO BE BIASED TOWARDS LOWER VALUES DUE TO A POOR CENTER POSITION THIS AFTERNOON ... BUT DURING THE LAST THREE HOURS RAW DT RANGE FROM 6.8 TO 7.0.

UNDER THE STEERING INFLUENCE OF THE UPPER NEAR-EQUATORIAL RIDGE, THE SYSTEM IS EXPECTED TO CONTINUE TO TRACK SOUTH-EASTWARD UP TO SATURDAY MORNING.

ON FRIDAY, THE UPPER EQUATORWARD DIVERGENCE IS FORECASTED TO BECOME LESS GOOD. BUT, THANKS TO THE LOW VERTICAL WINDSHEAR AND A GOOD POLERWARD OUTFLOW, EUNICE SHOULD REMAIN ITS INTENSITY. THE SHEAR IS EXPECTED TO INCREASE FRIDAY NIGHT (SEEN ON 06Z OUTPUTS FROM THE EC MODEL).

FROM SATURDAY, THE AFOREMENTIONED RIDGE IS EXPECTED TO EXTEND WESTWARD AND A DEEP HIGH TO MID-LEVEL TROUGH IS EXPECTED TO TAKE PLACE SOUTH OF EUNICE AND SHOULD CURVE THE TRACK GENERALLY EASTWARDS. THE FORWARD SPEED IS EXPECTED TO INCREASE BY THAT TIME WITHIN A FAST WESTERLY STEERING FLOW. ENVIRONMENTAL CONDITIONS SHOULD CONTINUE TO DETERIORATE SLOWLY WITH THE STRENGTHENING WESTERLY WIND-SHEAR (LOWER RELATIVE SHEAR HOWEVER) AND ALSO (MAINLY) SOME VERY LOW OCEAN HEAT CONTAIN SOUTH OF 20S.