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**METEO FRANCE**  
Toujours un temps d'avance

WTIO30 FMEE 110639

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

0.A WARNING NUMBER: 9/9/20112012

1.A INTENSE TROPICAL CYCLONE 9 (GIOVANNA)

2.A POSITION 2012/02/11 AT 0600 UTC:

WITHIN 10 NM RADIUS OF POINT 17.0 S / 59.4 E

(SEVENTEEN DECIMAL ZERO DEGREES SOUTH AND FIFTY NINE DECIMAL FOUR DEGREES EAST)

MOVEMENT : WEST 6 KT

3.A DVORAK ANALYSIS: 5.0/5.5/W 0.5/6 H

4.A CENTRAL PRESSURE: 945 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 95 KT

RADIUS OF MAXIMUM WINDS (RMW) :7 KM

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

28 KT NE: 160 SE: 220 SW: 220 NW: 160

34 KT NE: 120 SE: 130 SW: 130 NW: 120

48 KT NE: 60 SE: 60 SW: 60 NW: 60

64 KT NE: 30 SE: 30 SW: 30 NW: 30

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

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : DEEP

1.B FORECASTS:

12H: 2012/02/11 18 UTC: 17.5 S / 58.4 E, MAX WIND=090 KT, INTENSE TROPICAL CYCLONE

24H: 2012/02/12 06 UTC: 17.6 S / 57.0 E, MAX WIND=095 KT, INTENSE TROPICAL CYCLONE

36H: 2012/02/12 18 UTC: 17.7 S / 54.9 E, MAX WIND=100 KT, INTENSE TROPICAL CYCLONE

48H: 2012/02/13 06 UTC: 18.0 S / 52.0 E, MAX WIND=100 KT, INTENSE TROPICAL CYCLONE

60H: 2012/02/13 18 UTC: 18.4 S / 49.8 E, MAX WIND=095 KT, INTENSE TROPICAL CYCLONE

72H: 2012/02/14 06 UTC: 18.8 S / 47.5 E, MAX WIND=030 KT, INLAND

2.B LONGER-RANGE OUTLOOK :

96H: 2012/02/15 06 UTC: 21.3 S / 42.7 E, MAX WIND=025 KT, TROPICAL DISTURBANCE

120H: 2012/02/16 06 UTC: 22.5 S / 38.6 E, MAX WIND=045 KT, MODERATE TROPICAL STORM

2.C ADDITIONAL INFORMATION:

T=5.0+ ET CI=5.5+

LAST AVAILABLE MICRO-WAVE IMAGERY SHOW AN ONGOING EYEWALL REPLACEMENT CYCLE. LAST TRMM IMAGERY SHOW A STILL VIGOROUS INNER EYEWALL

SYSTEM IS TRACKING WESTWARDS UNTIL THE END OF THE NIGHT ... A TRANSIENT MID-LEVEL TROUGH SHOULD PASS TO THE SOUTH OF THE SYSTEM LATER THIS AFTERNOON ... ON THIS TIMEFRAME, A MORE SOUTHWESTWARDS TRACK IS STILL POSSIBLE. TONIGHT, WITH THE REBUILDING OF THE DEEP HIGH PRESSURE CELL SOUTH-EAST OF MADAGASCAR, A DUE WESTWARDS MOTION IS STILL EXPECTED.

THE CURRENT ERC SHOULD CAUSE INTENSITY FLUCTUATIONS ... BUT WITHIN FAVOURABLE ENVIRONMENTAL CONDITIONS, THE SYSTEM SHOULD REMAIN AN INTENSE ONE AND COULD SIGNIFICANTLY STRENGTHEN AGAIN ..

ON AND AFTER MONDAY, GIOVANNA SHOULD UNDERGO A WEAK TO MODERATE EASTERLY VERTICAL WIND SHEAR ON THE NORTHERN SIDE OF REBUILDING UPPER LEVEL HIGH PRESSURES. A SLIGHT WEAKENING IS POSSIBLE BEFORE THE LANDFALL ON THE EASTERN COAST OF MADAGASCAR MONDAY NIGHT ... BUT GIOVANNA IS EXPECTED TO REMAIN A DANGEROUS AND POWERFUL SYSTEM BY THAT TIME.

THE RESIDUAL CENTRE SHOULD COME BACK OVER SEAS IN THE MOZAMBIQUE CHANNEL ON WEDNESDAY WITHIN A FAVOURABLE ENVIRONMENT.

INHABITANTS OF MASCAREIGNES ISLANDS AND EASTERN COASTS OF MADAGASCAR (TAMATAVE AREA) SHOULD CONTINUE TO MONITOR THE PROGRESS OF THIS DANGEROUS SYSTEM.