

WTIO30 FMEE 131342

RSMC / TROPICAL CYCLONE CENTER / LA REUNION

TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 5/11/20212022

1.A SUBTROPICAL DEPRESSION 11 (ISSA)

2.A POSITION 2022/04/13 AT 1200 UTC:

WITHIN 30 NM RADIUS OF POINT 30.1 S / 31.1 E

(THIRTY DECIMAL ONE DEGREES SOUTH AND
THIRTY ONE DECIMAL ONE DEGREES EAST)

MOVEMENT: NORTH-EAST 8 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 996 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 35 KT

RADIUS OF MAXIMUM WINDS (RMW): NIL

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

28 KT NE: 55 SE: 0 SW: 0 NW: 30

34 KT NE: 75 SE: 0 SW: 0 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1007 HPA / 200 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: SHALLOW

1.B FORECASTS (WINDS RADII IN KM):

12H: 2022/04/14 00 UTC: 30.2 S / 34.4 E, VENT MAX= 025 KT, FILLING UP

24H: 2022/04/14 12 UTC: 31.8 S / 37.4 E, VENT MAX= 020 KT, REMNANT LOW

36H: 2022/04/15 00 UTC: 35.2 S / 39.1 E, VENT MAX= 020 KT, REMNANT LOW

48H: 2022/04/15 12 UTC: 37.3 S / 43.1 E, VENT MAX= 015 KT, REMNANT LOW

2.B LONGER-RANGE OUTLOOK:

NIL

2.C ADDITIONAL INFORMATION:

T=CI=/

OVER THE LAST 6 HOURS, ISSA CONTINUED TO MOVE NORTHEASTWARD WHILE APPROACHING THE SOUTHEAST COAST OF SOUTH AFRICA. THE CONVECTION RAPIDLY WEAKENED ALL DAY LONG UNDER THE RESUMPTION OF A MODERATE TO STRONG SOUTHWESTERLY SHEAR. THE EXTENSION OF THE CONVECTIVE ACTIVITY

BECAME WEAK AND MAINLY CONFINED IN THE SOUTHERN SEMICIRCLE OF THE LOW LEVEL CENTER. THE LAST AVAILABLE OBJECTIVE DATA (MASCAT AND HY2B OBSERVATION FROM 0230Z) STILL PLEADS FOR A NEAR GALE FORCE WINDS IN THE LOW LEVEL CIRCULATION AND LOCALLY RESIDUAL GALE FORCE WIND IN THE NORTHEAST QUADRANT OF THE SYSTEM.

THE LOW LEVEL CIRCULATION CENTER OF THE SYSTEM IS NOW UNDERGOING AN INCREASE IN VWS AT THE WESTERN EDGE OF THE MID AND UPPER TROPOSPHERE TROUGH. UNDER THIS INFLUENCE ISSA SHOULD CONTINUE IN THE NEXT 12 TO 18 HOURS, A COURSE EASTWARDS WHILE ACCELERATING ITS COURSE. BEYOND THAT, AT THE END OF THE WEEK, THE SYSTEM AT A VERY WEAKENED STAGE WILL BE RESUMED IN FRONT OF A NEW UPPER TROUGH, BRINGING IT MORE FRANKLY SOUTHEASTWARDS? TOWARDS THE SOUTHERN LATITUDES.

DUE TO ITS POSITION WEST OF THE MID TROPOSPHERIC TROUGH, ISSA IS STILL UNDER THE INFLUENCE OF A MODERATE TO STRONG VWS, WHICH SHOULD PROGRESSIVELY ESTABLISH ITSELF WHILE INTENSIFYING IN THE SHORT TERM, BRINGING AT THE SAME TIME DRY AIR ABOVE THE LLC, EVENTUALLY WEAKENING THE SYSTEM DURABLY. THE SUBTROPICAL DEPRESSION ISSA SHOULD THEN FILL UP IN THE SHORT TERM.

IMPACTS ON INHABITED LANDS (SOUTH AFRICA) :

- SINCE THIS MORNING, MORE THAN 100MM/6H HAVE FALLEN ON THE COAST OF KWAZULU-NATAL AND EASTERN CAPE PROVINCES. AS ISSA WEAKENS AND MOVES AWAY FROM THE EAST-NORTHEAST, THE RAINFALL CHARACTER WILL DECREASE AND WILL BE MORE CONFINED TO THE SEA OFF THE COAST. THE IMPROVEMENT OF THE WEATHER CONDITIONS SHOULD LOGICALLY BE MORE MARKED AT THE END OF THE DAY.
- GUSTS ARE EXPECTED TO BLOW UNTIL THE END OF THE DAY BETWEEN 70 AND 80 KM/H ON THE COASTS, WITH PEAKS UP TO 100 KM/H MAXIMUM IN THE NEAR COASTAL AREA BEFORE A MORE DEFINITE IMPROVEMENT IN THE EVENING AND NIGHT.
- SEA IS ROUGH OFFSHORE, GRADUALLY DECREASING BECOMING MODERATE IN THE NEXT 24 HOURS.

THIS IS THE LAST WARNING PRODUCED BY THE RMSC ON THIS SYSTEM. FOR FURTHER INFORMATION, PLEASE REFER TO METAREA VII SHIPPING BULLETINS (FQIO25).