



WTIO30 FMEE 181400  
RSMC / TROPICAL CYCLONE CENTER / LA REUNION  
TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER 1!/"#0#3#0#4  
1.A INTENSE TROPICAL CYCLONE " (D\$OUNGOU)

#.A POSITION #0#4/0#/18 AT 1#00 UTC  
WITHIN #0 NM RADIUS OF POINT 1%.% S / &8.! E  
(NINETEEN DECIMAL NINE DEGREES SOUTH AND  
SE ' ENTY EIGHT DECIMAL FI ' E DEGREES EAST)  
MO ' EMENT EAST-SOUTH-EAST #& ( T

3.A D ' ORA ( ANALYSIS ".!/"./D 1.0/" H

4.A CENTRAL PRESSURE %## HPA  
!.A MA ) A ' ERAGE WIND SPEED (10 MN) 11! ( T  
RADIUS OF MA ) IMUM WINDS (RMW) #4 ( M

".A E ) TENSION OF WIND BY \*UADRANTS (( M)  
#8 ( T NE 4"! SE 33! SW "30 NW &80  
34 ( T NE #"0 SE ##0 SW #"0 NW #80  
48 ( T NE 1!0 SE 110 SW 110 NW %!  
"4 ( T NE &! SE &! SW &! NW &!

&.A FIRST CLOSED ISOBAR (PRESSURE / A ' ERAGE DIAM) 1008 HPA / 1800 ( M  
8.A ' ERTICAL E ) TENSION OF CYCLONE CIRCULATION DEEP

1.B FORECASTS (WINDS RADII IN ( M)  
1#H #0#4/0#/1% 00 UTC ##.& S / 8#.# E+ ' ENT MA ) , 0%! ( T+  
#8 ( T NE 4%0 SE 3"0 SW #%! NW 33!  
34 ( T NE #80 SE ##0 SW 18! NW 1!0  
48 ( T NE 1#0 SE 100 SW %! NW &!  
"4 ( T NE &! SE &! SW !! NW !!

#4H #0#4/0#/1% 1# UTC #!.% S / 8".! E+ ' ENT MA ) , 0&0 ( T+ TROPICAL CYCLONE  
#8 ( T NE !10 SE 31! SW 41! NW 34!  
34 ( T NE #80 SE 1%! SW 1%! NW 140  
48 ( T NE 100 SE 8! SW %! NW !!  
"4 ( T NE 8! SE " ! SW !! NW 4!

3"H #0#4/0#/#0 00 UTC #8.1 S / %1.4 E+ ' ENT MA ) , 0!! ( T+ POST-TROPICAL  
DEPRESSION  
#8 ( T NE 41! SE #40 SW 3%0 NW 3&0  
34 ( T NE #1! SE 140 SW 1"! NW 1!!  
48 ( T NE %! SE " ! SW !! NW !!

48H #0#4/0#/#0 1# UTC #8.8 S / %!." E+ ' ENT MA ) , 040 ( T+ POST-TROPICAL DEPRESSION  
#8 ( T NE #&0 SE #!0 SW 3%0 NW 30!  
34 ( T NE 1#0 SE 1!0 SW 1#0 NW 110

"0H #0#4/0#/#1 00 UTC #8.8 S / %&." E+ ' ENT MA ) , 030 ( T+ FILLING UP  
#8 ( T NE 1%! SE 1%! SW #&0 NW 18!

&#H #0#4/0#/#1 1# UTC #8.% S / %%.4 E+ ' ENT MA ) , 0#! ( T+ REMNANT LOW

#.B LONGER-RANGE OUTLOOK ( NIL

#.C ADDITIONAL INFORMATION  
T, CI, ".! -

O ' ER THE PAST " HOURS+ D\$OUNGOU.S EYE PATTERN HAS CONTINUED TO IMPRO ' E+ WITH A WARMING OF THE EYE SHORTLY AFTER 0"UTC+ RESULTING IN A TEMPORARY DT OF &.0 BETWEEN 08 AND 10 UTC. THE ' ERTICAL WIND SHEAR ALOFT ESTIMATED EARLIER IN THE DAY DOES NOT SEEM TO HA ' E ANY EFFECT ON THE ' ERTICAL STRUCTURE OF THE SYSTEM+ AS SHOWN BY THE AMSR# PASS AT 08!#/ AND THE SSMIS F18 PASS AT 1108 / . CONSE \* UENTLY+ IN ' IEW OF THE SUBJECTI ' E D ' ORA ( ESTIMATE A ' ERAGED O ' ER THE LAST 3 HOURS AND THE AMERICAN SUBJECTI ' E AND OB\$ECTI ' E ESTIMATES+ THE SYSTEM HAS BEEN UPGRADED TO AN INTENSE TROPICAL CYCLONE+ AND SHOULD MAINTAIN ITS INTENSITY FOR A FEW MORE HOURS BEFORE WEA ( ENING.

D\$OUNGOU IS CONTINUING TO ACCELERATE TOWARDS THE SOUTHEAST AND THEN SOUTHEAST UNTIL MONDAY+ CHANNELED BETWEEN A RIDGE OF HIGH PRESSURE TO THE EAST-NORTHEAST AND A TROUGH TO THE SOUTH. ITS MO ' EMENT SHOULD SLOW DOWN FROM TUESDAY AS IT WEA ( ENS. IT COULD THEN LEA ' E THE SOUTH-WESTERN INDIAN OCEAN BASIN AND ENTER THE AUSTRALIAN / ONE OF RESPONSIBILITY.

EN ' IRONMENTAL CONDITIONS ARE SET TO DETERIORATE O ' ER THE NE ) T 1# TAU . THE DETERIORATION IS SET TO ACCELERATE WITH A MAR ( ED DROP IN OCEANIC POTENTIAL ACCOMPANIED BY A RAPID STRENGTHENING OF THE WEST-NORTH-WESTERLY ' ERTICAL WIND SHEAR AND THE ARRI ' AL OF INTRUSIONS OF DRY AIR FROM THE WEST AND NORTH. THE SYSTEM SHOULD THEN GRADUALLY LOSE ITS TROPICAL CHARACTERISTICS LATE ON MONDAY+ BEFORE E ' OL ' ING INTO A RESIDUAL SYSTEM BY MID-WEE ( .

THIS SYSTEM DOES NOT POSE ANY THREAT TO INHABITED LAND.