GLOBAL TROPICAL CYCLONE TRACK AND INTENSITY DATA SET - REPORT FORMAT

Position	Content
1- 9	Cyclone identification code composed by 2 digit numbers in order within the cyclone season, area code and year code. 01SWI2000 shows the 1st system observed in South-West Indian Ocean basin during the 2000/2001 season. Area codes are as follows: ARB = Arabian Sea ATL = Atlantic Ocean AUB = Australian Region (Brisbane) AUD = Australian Region (Darwin) AUP = Australian Region (Perth) BOB = Bay of Bengal CNP = Central North Pacific Ocean ENP = Eastern North Pacific Ocean ZEA = New Zealand Region SWI = South-West Indian Ocean SWP = South-West Pacific Ocean WNP = Western North Pacific Ocean and South China Sea
10-19	Storm Name
20-23	Year
24-25	Month (01-12)
26-27	Day (01-31)
28-29	Hour- universal time (at least every 6 hourly position -00Z,06Z,12Z and 18Z)
	Latitude indicator: 1=North latitude; 2=South latitude
31-33	Latitude (degrees and tenths)
34-35	Check sum (sum of all digits in the latitude)
36	Longitude indicator: 1=West longitude; 2=East longitude
37-40	Longitude (degrees and tenths)
41-42	Check sum (sum of all digits in the longitude)
43	position confidence* 1 = good (<30nm; <55km) 2 = fair (30-60nm; 55-110 km) 3 = poor (>60nm; >110km) 9 = unknown
Note*	Confidence in the center position: Degree of confidence in the center position of a tropical cyclone expressed as the radius of the smallest circle within which the center may be located by the analysis. **"position good"** implies a radius of less than 30 nm, 55 km; "position fair", a radius of 30 to 60 nm, 55 to 110km; and "position poor", radius of greater than 60 nm, 110km.
44-45	Dvorak T-number (99 for no report)
46-47	Dvorak CI-number (99 for no report)
48-50	Maximum average wind speed (whole values) (999 for no report).
51	Units 1=kt, 2=m/s, 3=km per hour.
52-53	Time interval for averaging wind speed (minutes for measured or derived wind speed, 99 if unknown or estimated).

54-56 Maximum Wind Gust (999 for no report)
57 Gust Period (seconds, 9 for unknown)
58 Quality code for wind reports:
1=Aircraft or Dropsonde observation
2=Over water observation (e.g. buoy)
3=Over land observation
4=Dvorak estimate
5=Other
59-62 Central pressure (nearest hectopascal) (9999 if unknown or unavailable)
63 Quality code for pressure report (same code as for winds)
64 Units of length: 1=nm, 2=km
65-67 Radius of maximum winds (999 for no report)
68 Quality code for RMW:
1=Aircraft observation
2=Radar with well-defined eye
3=Satellite with well-defined eye
4=Radar or satellite, poorly-defined eye
5=Other estimate
69-71 Threshold value for wind speed (gale force preferred, 999 for no report)
72-75 Radius in Sector 1: 0^{o}-90^{o}
76-79 Radius in Sector 2: 90^{o}-180^{o}
80-83 Radius in Sector 3: 180^{o}-270^{o}
84-87 Radius in Sector 4: 270^{o}-360^{o}
88 Quality code for wind threshold
1=Aircraft observations
2=Surface observations
3=Estimate from outer closed isobar
4=Other estimate
89-91 Second threshold value for wind speed (999 for no report)
92-95 Radius in Sector 1: 0^{o}-90^{o}
96-99 Radius in Sector 2: 90^{o}-180^{o}
100-103 Radius in Sector 3: 180^{o}-270^{o}
104-107 Radius in Sector 4: 270^{o}-360^{o}
108 Quality code for wind threshold (code as for row 88)
109-110 Cyclone type:
01= tropics; disturbance (no closed isobars)
02= <34 knot winds, <17m/s winds and at least one closed isobar
03= 34-63 knots, 17-32m/s
04= >63 knots, >32m/s
05= extratropical
06= dissipating
07= subtropical cyclone (nonfrontal, low pressure system that comprises initially baroclinic circulation developing over subtropical water)
08= overland
09= unknown
111-112 Source code (2 - digit code to represent the country or organization that provided the data to NCDC USA. WMO Secretariat is authorized to assign number to additional participating centers, organizations)
01 RSMC Miami-Hurricane Center
02 RSMC Tokyo-Typhoon Center
03 RSMC-tropical cyclones New Delhi
04 RSMC La Reunion-Tropical Cyclone Centre
05 Australian Bureau of Meteorology
06 Meteorological Service of New Zealand Ltd.
07 RSMC Nadi-Tropical Cyclone Centre

08** Joint Typhoon Warning Center, Honolulu
09** Madagascar Meteorological Service
10** Mauritius Meteorological Service
11** Meteorological Service, New Caledonia
12 Central Pacific Hurricane Center, Honolulu

Note** no longer used

Headings 1-19 Cyclone identification code and name;
20-29 Date time group;
30-43 Best track positions;
44-110 Intensity, Size and Type;
111-112 Source code.