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2) Best track record

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1953081600 6 251 1253 930 65
1953081606 6 266 1234 935 60
1953081612 6 274 1222 945 55
1953081618 5 281 1210 955 50
1953081700 4 284 1198 968 40
1953081706 1 288 1191 975 15 30
1953081712 1 296 1185 979 15 25
1953081718 0 303 1177 984 10 20
1953081800 0 309 1171 986 10 20
YYYYMMDDHH I LAT LONG PRES WND OWD
:::++:::|:::++:::|:::++:::|:::++:::|
5 10 15 20 25 30 35 40

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YYYYMMDDHH: 4-integer year, 2-integer month, 2-integer day, and 2-integer hour (in UTC);

I: Intensity category②:

- 0-Weaker than Tropical Depression or unknown intensity,
- 1-Tropical Depression (TD, 10.8-17.1m/s),
- 2-Tropical Storm (TS, 17.2-24.4 m/s),
- 3-Severe Tropical Storm (STS, 24.5-32.6 m/s),
- 4-Typhoon (TY, 32.7-41.4 m/s),
- 5-Severe Typhoon (STY, 41.5-50.9 m/s),
- 6-Super Typhoon (SuperTY, ≥51.0 m/s),
- 9-Extratropical Cyclone (ET) stage.

LAT: Latitude(0.1°N);

LONG: Longitude(0.1°E);

PRES: Minimum pressure(hPa) near the TC center;

WND: 2-min mean maximum sustained wind (MSW, ms⁻¹) near the TC center.

WND=9 means MSW < 10m/s, WND=0 means unknown intensity.

OWD: 2-min mean sustained wind (ms⁻¹) for:

- (a) the coastal severe wind of Landfalling TCs, and
- (b) the MSW within radii about 300–500 km of TCs over the South China Sea.

② The Category 1-6 are according to the “Chinese National Standard for Grade of Tropical Cyclones”, which was put in practice since 15 June 2006.

4. Citation

Please indicate that ‘CMA-STI Best Track Dataset for Tropical Cyclones over the western North Pacific’ is obtained from www.typhoon.gov.cn in any document using the dataset.

5. Revision history

2011.07.29:

- 1) The information of last data line has been added to the header record “F”.

- 2) The new data column “OWD” has been added to best track record, some related errors in WND have been corrected.

2010:

Typos:

- 1) Errors in best track record “T” for the extratropical cyclone stage during 2007-2009 have been corrected.
- 2) Errors in some TC position (longitude and latitude) have been corrected.
- 3) Errors in date of Soulik (2006) have been corrected.
- 4) Errors in some TC names have been corrected:
Babe→ Babs; 1952 Lois; Agness→ Agnes; 1986 Georgette; 1987 Percy, Ian, Peke, Ogden;
1988 Uleki; 1992 Gay; 1993 Keoni, Abe, Manny; 1994 Li, John, Melissa; 1995 Gary; 1996 Beth;
1997 Oliwa; 2001 Vipa; 2005 Guchol; 2006 Maria.

Others:

- 5) Confusion of MSW=10ms-1 and MSW<10ms-1 has been clarified.