

National Climatic Data Center

DATA DOCUMENTATION

FOR

DATA SET 1148 (DSI-1148)

Marine Surface Observations - Navy (NOCD)

October 24, 2003

National Climatic Data Center
151 Patton Ave.
Asheville, NC 28801-5001 USA

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1. **Abstract:** The National Climatic Data Center has in its archive the historical dataset TD-1148 (Navy Marine Surface Observations). Major parameters include temperature, dew point, sea surface temperature, wind speed and direction, and cloud, wave and swell data. The coverage area includes the entire globe and data begins in 1915 and continues through 1975.

2. **Element Names and Definitions:**

Tape Position	Element	Remarks
01-03	Deck Number	To be assigned
04-06	Mardsen Sq.	Computed by NCDC
07-08	1° Sub-Square	Computed by NCDC
09	Quadrant	Alpha indicators
10-12	Latitude	Latitude in whole degrees Minutes of latitude Tenths of minutes
13-16	Longitude	Longitude in whole degrees Minutes of latitude Tenths of minutes
17-20	Year	Year coded without thousands digit
21-22	Month	01, 02, ... 12
23-24	Day	01, 02, ... 31
25-26	Hour	Hour coded in tenths
27-29	Wind direction and indicator	WMO code 977. Blank
30-33	Wind speed and indicator	Speed coded in knots. Blank
34-36	Visibility and indicator	Not available
37-38	Present weather	Coded as either present or past weather using WMO codes.
39	Past weather	
40-44	Sea level pressure	Pressure in tenths of millibars
45-48	Air temperature and indicator	Temperature in tenths (or hundredths) of °C. Indicator is number of digits to the right of decimal.
49-51	Wet bulb temperature and indicator	Same as field 026
52-54	Dew point temperature	Not available
55-57	Sea surface temperature	Temperature in °C with 3 decimal places. <u>NO INDICATOR.</u>
58-60	Air-Sea difference	Not available
61	Total cloud amount	WMO code 2700
62-67	Cloud data	Not available
68-72	Wave data	Not available
73-77	Swell data	Not available
78-79	OWS number	Not available
80	Card indicator	Assigned
81	Ship indicator	New digit in TDF-11 code

82-89	---	Not available
90-95	Ship number	NODC Ship Code
Supplemental Data Fields		
96-97	Direction of waves	WMO Code 885
98	Period of waves	WMO CODE 3155
99	Height of waves	WMO Code 1555
100-101	Wind speed Beaufort force	Beaufort wind force scale
102	Sea state	WMO Code 3700

3. **Start Date:** 19150602

4. **Stop Date:** 19750213

5. **Coverage:** Global.

- a. Southernmost Latitude: 90S
- b. Northernmost Latitude: 90N
- c. Westernmost Longitude: 180W
- d. Easternmost Longitude: 180E

6. **How to Order Data:**

Ask NCDC's Climate Services about costs of obtaining this data set.
Phone 828-271-4800
Fax 828-271-4876
E-mail: NCDC.Orders@noaa.gov

7. **Archiving Data Center:**

National Climatic Data Center/NCDC
Federal Building
151 Patton Avenue
Asheville, NC 28801-5001
Phone 828-271-4800

8. **Technical Contact:**

National Climatic Data Center/NCDC
Federal Building
151 Patton Avenue
Asheville, NC 28801-5001
Phone: 828-271-4800

9. **Known Uncorrected Problems:**

10. **Quality Statement:**

11. **Essential Companion Datasets:** None.

12. **References:** None listed in original documentation.