

Meteorological and sea surface data series for the southern North Sea experiment

The meteorological data for PROVCESS southern North Sea experiment in Spring 1999 were provided by the Rijks Water Staat, RIKZ department. The data were either extracted from RWS/RIKZ DONAR database or acquired from the Netherlands Royal Institute of Meteorology (KNMI).

This report contains the qualifying documentation and header information associated with the following data series extracted from the BODC database:

| Series Reference | Data Type | Latitude deg min | Longitude deg min | Start Date yyyy/mm/dd | Sea Floor Depth m | Sensor Depth m |
|------------------|-----------|------------------|-------------------|-----------------------|-------------------|----------------|
| 564206 | CC | 52 33.0 N | 004 03.5 E | 1999/03/01 | 20.0 | 0.0 |
| 564218 | CC | 52 16.4 N | 004 17.8 E | 1999/03/01 | 18.0 | 0.0 |

where Data Type CC = Meteorology -unspecified

Content of data series:

| Parameter | Unit | Parameter code | Comments |
|--|--------|----------------|----------|
| Meetpost Noordwijk (series n° 564218) | | | |
| Wind speed | m/sec | EWSBSS01 | see text |
| Wind direction (from) | deg. T | EWDASS01 | see text |
| Wave height (H1/3) | m | GAVHCS01 | none |
| Wave period (H1/3) | secs | GTZHCS01 | none |
| Water temperature | deg. C | TEMPPR01 | none |
| Ijmuiden Semafoor and Munitiestortplaats (series n° 564206) | | | |
| Wind speed | m/sec | EWSBSS01 | see text |
| Wind direction (from) | deg. T | EWDASS01 | see text |
| Wave height (H1/3) | m | GAVHCS01 | none |
| Wave period (H1/3) | secs | GTZHCS01 | none |
| Water temperature | deg. C | TEMPPR01 | none |

Additional meteorological data were not processed by BODC. They are available from ASCII files located on Disk 2 of the CD-ROM package in the directory SNS_MET. The files contain the following data:

| Parameter | Unit | Records frequency | Stations |
|-------------------|-----------------------|-------------------|----------------------------|
| Air pressure | 0.1 Hpa | daily mean | Valkenburg and Ijmuiden |
| Precipitation | 0.1 mm | daily sum | Valkenburg and Schiphol |
| Relative humidity | % | daily mean | Valkenburg and Bloemendaal |
| Radiation | Joule/cm ² | hourly sum | Valkenburg and Bloemendaal |
| Air temperature | 0.1 deg. C | hourly mean | Valkenburg and Bloemendaal |
| Evaporation | 0.1 mm | daily sum | Valkenburg and Bloemendaal |
| Sea water level | cm t.o.v. NAP | 10 minutes | Noordwijk |

PARAMETERS

Parameter : AADYAA01 (TIME)
Description : Day number
Method : Computation
Units : Days (1760/01/01 = day 0)

Parameter : AAFDZZ01 (TIME)
Description : Day fraction (GMT)
Method : Computation
Units : Days

Parameters AADY/AAFD are usually supplied as date and time (GMT) or as parameters ADATAA01 and AHMSAA01.

Parameter : ADATAA01 (TIME)
Description : Date in format yyyyymmdd
Method : Computation
Units : Years Months Days (yyyyymmdd)

Parameter : AHMSAA01 (TIME)
Description : Time in format hh24miss
Method : Computation
Units : Hours Minutes Seconds

Parameter : EWDASS01 (WIND)
Description : Wind direction (from which the wind blows)
Method : In-situ anemometer
Units : Degrees True

Parameter : EWSBSS01 (WIND)
Description : Wind speed
Method : In-situ anemometer
Units : metres/sec

Parameter : GAVHCS01 (WAVE)
Description : Average Height Highest 1/3rd Waves
Method : Computer analysed wavestaff
Units : Metres

Parameter : GTZHCS01 (WAVE)
Description : Average zero-crossing period highest 1/3rd waves
Method : Computer analysis of wavestaff data
Units : Seconds

Parameter : TEMPPR01 (HYDR)
Description : Sea temperature (unspecified)
Method : Unspecified temperature probe
Units : Degrees Centigrade