

You can find in the file:
m682.dat,
post-processed and calibrated
1 minute temporal values
from the DVS-database.

no value / error value: -999.0

Variables [Units]:

1. date dd,
2. date mm,
3. date yyyy,
4. time hh,
5. time mm,
6. time ss,
7. julian days [days since 2006/01/01, where 1st jan is day 1],
8. latitude [decimal degrees north],
Device: GPS
9. longitude [decimal degrees east],
Device: GPS
10. true windspeed [m/s],
Windspeed was measured by two heated cup anemometers at 40.1 m above sea level on port and starport side. Relative wind was converted to absolute wind using ships heading and speed. The luv sensor data is included in this dataset.
11. true wind direction [degrees],
Wind direction was measured by two vanes at 40.1 m above sea level on port and starport side. Relative wind was converted to absolute wind using ships heading and speed. The luv sensor data is included in this dataset.
11. air pressure [hPa],
Manufacturer: AIR, type DB-1A
Location of measurements: 10.6 m, above sea level
13. air temperature [degrees C],
Device: PT 100
Location of measurements: 28.3 m above sea level
14. humidity [%],
Relative humidity was measured by two sensors at 28.3 m above sea level, one on port and one on starport side. After calibration of the sensors, the luv sensor is included in the dataset.
Device: capacitive humidity sensors
Manufacturer: Rotronic
15. UV radiation [mW/m²],
measured by a radiometer, cardanically fitted to equilibriate ship movement relative to horizontal. The instrument was built by Meteorologisches Observatorium Potsdam (DWD)
Device Type: UV-S-EA-T
Location of measurements: 40.1 m above sea level, mid-ship
16. SST [degrees C],
Sea surface temperature was continuously measured by a thermosalinograph sampling water from a depth of 1.5 m below the vessel's waterline. The temperature sensor was calibrated against on-station temperature and conductivity values from CTD-profiles.
Device: Seacat SBE 21
Manufacturer: SEA-Bird Electronics, Inc.
17. SSS [p.s.u.],
Sea surface salinity was continuously measured by a thermosalinograph sampling water from a depth of 1.5 m below the vessel's waterline. The conductivity sensor was calibrated against on-station conductivity and temperature values from CTD-profiles.
Device: Seacat SBE 21
Manufacturer: SEA-Bird Electronics, Inc.