TITLE	Metadata for "Meteorological, Oceanographic and Ship Data Collected Onboard Icebreaker Oden"
Principal organisation	Swedish Polar Research Secretariat
Contact	datamanager@polar.se
Time period	Stated under parameter DateTime
Time resolution	1 minute resolution (measured in higher resolution and aggregated to 1 min values)
Geographic spread	Arctic Ocean, precise coordinates stated in parameters Oden.Ship.SeaPath.LatitudeDegrees and Oden.Ship.SeaPath.LongitudeDegrees
File retrived from	https://snd.gu.se/
Creative common license	CC-BY 4.0
Quality checked	No
Referenssystem koordinater	WGS84

All measured parameters are presented with values for:

AVG	Average value for the time period
MIN	Minimum value for the time period
MAX	Maximum value for the time period
NUM	Number of logged data points during the 1 minute time period used for calculation of avg, min, max

Parameters	Description	Unit	Place	Instrument	Manufacturer
DateTime	Date and time UTC±0				
Oden.MB.DBT	Depth under transducers of EM122, center depth	m	Multibeam	Kongsberg EM122 echo sounder	Kongsberg
Oden.MB.SeaDepth	Depth EM122 sonar, center depth	m	Multibeam	Kongsberg EM122 echo sounder	Kongsberg
Oden.MB.Sensordepth	Depth EM122 sonar, center depth, surface	m	Multibeam	Kongsberg EM122 echo sounder	Kongsberg
Oden.Met.Air-Temperature-BB	Air temperature on port side of ship bridge	°C	Bridge wing portside	PT100	\N
Oden.Met.Air-Temperature-SB	Air temperature on starboard of ship bridge	°C	Bridge wing starboard	PT100	\N
Oden.Met.AirPressure	same value as Oden.Met.PTB330-1.AirPressure	hPa	Bridge	Vaisala PTB330	Vaisala
Oden.Met.AirTemperature	Air temperature, avg between port side and starboard, calculated from PT100 values	°C	Bridge roof	Calculated based on data from PT100	Frejval
Oden.Met.Celiometer.C1_B		ft	Bridge roof, Cont26 roof	Ceilometer CBME80	Björn Eliasson Ingenjörsfirma AB
Oden.Met.Celiometer.C1_H		ft	Bridge roof, Cont26 roof	Ceilometer CBME80	Björn Eliasson Ingenjörsfirma AB
Oden.Met.Celiometer.C2_B		ft	Bridge roof, Cont26 roof	Ceilometer CBME80	Björn Eliasson Ingenjörsfirma AB
Oden.Met.Celiometer.C2_H		ft	Bridge roof, Cont26 roof	Ceilometer CBME80	Björn Eliasson Ingenjörsfirma AB
Oden.Met.Celiometer.C3_B		ft	Bridge roof, Cont26 roof	Ceilometer CBME80	Björn Eliasson Ingenjörsfirma AB
Oden.Met.Celiometer.C3_H		ft	Bridge roof, Cont26 roof	Ceilometer CBME80	Björn Eliasson Ingenjörsfirma AB
Oden.Met.Celiometer.CA1_B	Altitude of first cloud level. Measured at top of container on bridge roof starboard side, Ceilometer CBME80	ft	Bridge roof, Cont26 roof	Ceilometer CBME80	Björn Eliasson Ingenjörsfirma AB
Oden.Met.Celiometer.CA1_E	Cloud cover, first level. Measured at top of container on bridge roof, starboard side, Ceilometer CBME80	/8	Bridge roof, Cont26 roof	Ceilometer CBME80	Björn Eliasson Ingenjörsfirma AB
Oden.Met.Celiometer.CA2_B	Altitude of second cloud level. Measured at top of container on bridge roof, starboard side, Ceilometer CBME80	ft	Bridge roof, Cont26 roof	Ceilometer CBME80	Björn Eliasson Ingenjörsfirma AB
Oden.Met.Celiometer.CA2_E	Cloud cover, second level. Measured at top of container on bridge roof, starboard side, Ceilometer CBME80	/8	Bridge roof, Cont26 roof	Ceilometer CBME80	Björn Eliasson Ingenjörsfirma AB
Oden.Met.Celiometer.CA3_B	Altitude of third cloud level. Measured at top of container on bridge roof, starboard side, Ceilometer CBME80	ft	Bridge roof, Cont26 roof	Ceilometer CBME80	Björn Eliasson Ingenjörsfirma AB
Oden.Met.Celiometer.CA3_E	Cloud cover, third level. Measured at top of container on bridge roof, starboard side, Ceilometer CBME80	/8	Bridge roof, Cont26 roof	Ceilometer CBME80	Björn Eliasson Ingenjörsfirma AB
Oden.Met.Celiometer.CA4_B	Altitude of fourth cloud level. Measured at top of container on bridge roof, starboard side, Ceilometer CBME80	ft	Bridge roof, Cont26 roof	Ceilometer CBME80	Björn Eliasson Ingenjörsfirma AB
Oden.Met.Celiometer.CA4_E	Cloud cover, fourth level. Measured at top of container on bridge roof, starboard side, Ceilometer CBME80	/8	Bridge roof, Cont26 roof	Ceilometer CBME80	Björn Eliasson Ingenjörsfirma AB
Oden.Met.Celiometer.E		/8	Bridge roof, Cont26 roof	Ceilometer CBME80	Björn Eliasson Ingenjörsfirma AB
Oden.Met.Celiometer.RNG		ft	Bridge roof, Cont26 roof	Ceilometer CBME80	Björn Eliasson Ingenjörsfirma AB
Oden.Met.Celiometer.Status			Bridge roof, Cont26 roof	Ceilometer CBME80	Björn Eliasson Ingenjörsfirma AB
Oden.Met.Celiometer.VV	Vertical visibility, [-40] = No reading, Ceilometer CBME80, Measured at top of container on bridge roof, starboard side.	ft	Bridge roof, Cont26 roof	Ceilometer CBME80	Björn Eliasson Ingenjörsfirma AB
Oden.Met.DewPointTemperature	Dew point calculated in database	°C	Database	Calculated based on data from HMP155 Temperature and HMP155 Humidity	SPRS
Oden.Met.HMP155-BB.Air-Temperature	HMP155, Air temperature portside	°C	Bridge roof	\N	Vaisala
Oden.Met.HMP155-BB.RelativeAirHumidity	HMP155, Relative air huminity portside	%rH	Bridge roof	\N	Vaisala
Oden.Met.HMP155-SB.Air-Temperature	HMP155, Air temperature starboard	°C	Bridge roof	\N	Vaisala
Oden.Met.HMP155-SB.RelativeAirHumidity	HMP155, Relative air huminity starboard	%rH	Bridge roof	\N	Vaisala
Oden.Met.PAR-QSR2150.intVolt	QSR-2150 internal voltage for debug	V	Bridge roof, Cont26 roof	QSR-2150	Biospherical Instrument
Oden.Met.PAR-QSR2150.PAR	QSR-2150 PAR	V	Bridge roof, Cont26 roof	QSR-2150	Biospherical Instrument
Oden.Met.PAR-QSR2150.Temperature	QSR-2150 temperature on card for debug	°C	Bridge roof, Cont26 roof	QSR-2150	Biospherical Instrument
Oden.Met.PTB330-1.AirPressure	Air pressure from PTB330	hPa	Bridge	\N	Vaisala
Oden.Met.PTB330-1.AirPressure.a	a of air pressure from first PTB330	a	Bridge	\N	Vaisala
Oden.Met.PTB330-1.AirPressure.ppp	3h trend Air pressure from first PTB330	hPa/3h	Bridge	\N	Vaisala
Oden.Met.PTB330-1.QFE	Air Pressure, Heli Pad Oden	hPa	Bridge	\N	Vaisala
Oden.Met.PTB330-1.QNH	Air Pressure, Sea level, ICAO stndart atmosphere	hPa	Bridge	\N	Vaisala
Oden.Met.PTB330-2.AirPressure	Air pressure from second PTB330	hPa	Bridge	\N	Vaisala
Oden.Met.PWD22.AirTemperature	PWD22, Air temperature	°C	Bridge roof, Cont26 roof	Present Weather Detector PWD22	Vaisala
Oden.Met.PWD22.Precipitation-1H	Precipitation intensity. Measured at top of container on bridge roof, starboard side.	mm/h	Bridge roof, Cont26 roof	Present Weather Detector PWD22	Vaisala
Oden.Met.PWD22.Precipitation-Total	PWD22, rainfall mm total, Measured at top of container on bridge roof, starboard side.	mm	Bridge roof, Cont26 roof	Present Weather Detector PWD22	Vaisala
Oden.Met.PWD22.PWCode	PWD22, weather code now		Bridge roof, Cont26 roof	Present Weather Detector PWD22	Vaisala
Oden.Met.PWD22.PWCode-15M	PWD22, weather code 15min		Bridge roof, Cont26 roof	Present Weather Detector PWD22	Vaisala
Oden.Met.PWD22.PWCode-1H	PWD22, weather code 1hour avg		Bridge roof, Cont26 roof	Present Weather Detector PWD22	Vaisala
Oden.Met.PWD22.Snow-Sum	PWD22, summery snow	mm	Bridge roof, Cont26 roof	Present Weather Detector PWD22	Vaisala
Oden.Met.PWD22.Visibility-Avg10M	PWD22, Visibility 10min avg, Measured at top of container on bridge roof, starboard side.	m	Bridge roof, Cont26 roof	Present Weather Detector PWD22	Vaisala
Oden.Met.PWD22.Visibility-Now	PWD22, Visibility now	m	Bridge roof, Cont26 roof	Present Weather Detector PWD22	Vaisala
Oden.Met.QFE	Calculated QFE, Air Pressure, Heli Pad Oden	hPa	Database	Calculated based on data from Airpressure, Airtemperature and LatitudeDegrees	SPRS
Oden.Met.QFF	Calculated QFF, Air Pressure, Sea level, actual atmoshere	hPa	Database	Calculated based on data from Airpressure, Airtemperature and LatitudeDegrees	SPRS
Oden.Met.QNH	Calculated QNH, Air Pressure, Sea level, ICAO stndart atmosphere	hPa	Database	Calculated based on data from Airpressure, Airtemperature and LatitudeDegrees	SPRS
Oden.Met.RelativeAirHumidity	Relative air huminity, calculatet of HMP155 values	%rH	Database	Calculated based on data from HMP155-BB.Air-Temperature, HMP155-SB.Air-Temperature, HMP155-BB.Air-Humidity and HMP155-SB.Air-Humidity	SPRS
Oden.Met.SeaTemperature	Sea water temperature, at water inlet, PT100 sensor	°C	Inlet -8 m under sea level	PT100	SPRS
Oden.Met.Wind-BB.DirectionRel	Relative wind direction, portside	° / deg	Bridge wing portside	Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	Thies Clima
Oden.Met.Wind-BB.DirectionRel-180	Relative wind direction +180deg, opposit, portside	° / deg	Bridge wing portside	Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	Thies Clima
Oden.Met.Wind-BB.SpeedRel	Relative wind speed, portside	m/s	Bridge wing portside	Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	Thies Clima
Oden.Met.Wind-SB.DirectionRel	Relative wind direction, starboard	° / deg	Bridge wing starboard	Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	Thies Clima
Oden.Met.Wind-SB.DirectionRel-180	Relative wind direction +180deg, opposit, starboard	° / deg	Bridge wing starboard	Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	Thies Clima
Oden.Met.Wind-SB.SpeedRel	Relative wind speed, starboard	m/s	Bridge wing starboard	Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	Thies Clima
Oden.Met.WindDirectionRel	Relative wind direction, calculated from both wind sensors values	° / deg	Bridge, Heli corner	Calculated based on relative values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	Frejval
Oden.Met.WindDirectionRel-180	Relative wind direction, calculated from both wind sensors values +180deg, opposit	° / deg	Bridge, Heli corner	Calculated based on relative values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	Frejval
Oden.Met.WindDirectionRel-AvgPT10M	calculated relative wind direction 10min avg	° / deg	Database	Calculated based on relative values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Met.WindDirectionRel-MaxPT10M	calculated relative wind direction 10min max	° / deg	Database	Calculated based on relative values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Met.WindDirectionRel-MaxPT2M	calculated relative wind direction 2min max	° / deg	Database	Calculated based on relative values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Met.WindDirectionRel-MinPT10M	calculated relative wind direction 10min min	° / deg	Database	Calculated based on relative values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Met.WindDirectionRel-MinPT2M	calculated relative wind direction 2min min	° / deg	Database	Calculated based on relative values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Met.WindDirectionTrue	calculated true wind direction	° / deg	Database	Calculated based on relative values from Oden.Met.WindDirectionRel	SPRS
Oden.Met.WindDirectionTrue-180	calculated true wind direction, +180deg , opposit	° / deg	Database	Calculated based on relative values from Oden.Met.WindDirectionRel-180	SPRS

Oden.Met.WindDirectionTrue-AvgPT10M	calculated true wind direction 10min avg	° / deg	Database	Calculated based on true values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Met.WindDirectionTrue-MaxPT10M	calculated true wind direction 10min max	° / deg	Database	Calculated based on true values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Met.WindDirectionTrue-MaxPT2M	calculated true wind direction 2min max	° / deg	Database	Calculated based on true values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Met.WindDirectionTrue-MinPT10M	calculated true wind direction 10min min	° / deg	Database	Calculated based on true values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Met.WindDirectionTrue-MinPT2M	calculated true wind direction 2min min	° / deg	Database	Calculated based on true values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Met.WindSpeedRel	relative wind speed, calculatet from both wind sensors values	m/s	Bridge, Heli corner	based on Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	Frejval
Oden.Met.WindSpeedRel-AvgPT10M	calculated relative wind speed 10min avg	m/s	Database	Calculated based on relative values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Met.WindSpeedRel-AvgPT2S	calculated relative wind speed 2sec avg	m/s	Database	Calculated based on relative values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Met.WindSpeedRel-By2sPT10M	calculated relative wind speed, gust 10min avg	m/s	Database	Calculated based on relative values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Met.WindSpeedRel-MaxPT10M	calculated relative wind speed 10min max	m/s	Database	Calculated based on relative values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Met.WindSpeedRel-MaxPT2M	calculated relative wind speed 2min max	m/s	Database	Calculated based on relative values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Met.WindSpeedRel-MinPT10M	calculated relative wind speed 10min min	m/s	Database	Calculated based on relative values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Met.WindSpeedTrue	calculated true wind speed	m/s	Bridge, Heli corner	Calculated based on true values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	Frejval
Oden.Met.WindSpeedTrue-AvgPT10M	calculated true wind speed 10min avg	m/s	Database	Calculated based on true values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Met.WindSpeedTrue-AvgPT2S	calculated true wind speed 2sec avg	m/s	Database	Calculated based on true values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Met.WindSpeedTrue-By2sPT10M	calculated true wind speed, gust 10min avg	m/s	Database	Calculated based on true values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Met.WindSpeedTrue-MaxPT10M	calculated true wind speed 10min max	m/s	Database	Calculated based on true values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Met.WindSpeedTrue-MaxPT2M	calculated true wind speed 2min max	m/s	Database	Calculated based on true values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Met.WindSpeedTrue-MinPT10M	calculated true wind speed 10min min	m/s	Database	Calculated based on true values from Thies Clima Ultrasonic Anemometer 2D, Anemometer 4.3820.40.260	SPRS
Oden.Ship.COG	Ship GPS course over ground	° / deg	Oden	Oden navigation system	\N
Oden.Ship.EastWest	Ship GPS East/West (ASCII 69/72)		Oden	Oden navigation system	\N
Oden.Ship.GPS_Time	Ship GPS time	hhmmss	Oden	Oden navigation system	\N
Oden.Ship.HDT	Ship GYRO heading	° / deg	Oden	Mechanical gyro (2): Simrad GC80 / GPS gyro (1, used at high latitudes): Furuno SC-110	\N
Oden.Ship.Latitude	Ship GPS Latitude		Bridge roof	Oden navigation system	\N
Oden.Ship.LatitudeDegrees	Ship GPS	° / deg	Bridge roof	Oden navigation system	\N
Oden.Ship.Longitude	Ship GPS Longitude		Bridge roof	Oden navigation system	\N
Oden.Ship.LongitudeDegrees	Ship GPS	° / deg	Bridge roof	Oden navigation system	\N
Oden.Ship.NorthSouth	Ship GPS North/South (ASCII 78/x)		Bridge roof	Oden navigation system	\N
Oden.Ship.ROT	Ship GYRO Rate of turn	°/m	Oden	Oden navigation system	\N
Oden.Ship.SeaPath.COG	Seapath320, course over ground	° / deg	Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.EastWest	Seapath320, East/West (ASCII 69/72)		Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.GGA_Qual	Seapath320, GPS signal quality		Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.GPS_Date	Seapath320, Date	yyyymmdd	Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.GPS_Time	Seapath320, Time		Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.hdop	Seapath320		Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.HDT	Seapath320, heading	° / deg	Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.head	Seapath320	° / deg	Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.head-qual	Seapath320		Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.heave	Seapath320, heave	m	Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.height	Seapath320	m	Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.hgt-qual	Seapath320		Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.horiz-qual	Seapath320		Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.Latitude	Seapath320, Latitude		Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.LatitudeDegrees	Seapath320	° / deg	Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.Longitude	Seapath320, Longitude		Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.LongitudeDegrees	Seapath320	° / deg	Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.NorthSouth	Seapath320, North/South (ASCII 78/x)		Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.nsat	Seapath320	st	Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.pdop	Seapath320		Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.pitch	Seapath320	° / deg	Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.pitch_rate	Seapath320	°/s	Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.roll	Seapath320	° / deg	Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.roll_rate	Seapath320	°/s	Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.ROT	Seapath320, GYRO, rate of turn	°/min	Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.rp-qual	Seapath320		Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.SOG	Seapath320, speed over ground	kn	Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.SOG_KMH	Seapath320, speed over ground in km/h	km/h	Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.vdop	Seapath320		Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.verical_rate	Seapath320	°/s	Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SeaPath.yaw_rate	Seapath320	°/s	Sea Chest	Seatex Seapath 320/MRU5	Kongsberg
Oden.Ship.SOG	Ship GPS speed over ground	kn	Oden	Ship GPS	\N
Oden.Ship.SOG_12h	Ship GPS speed over ground, 12h avg calculated in db	kn	Database	Calculated based Ship SOG	SPRS
Oden.Ship.SOG_24h	Ship GPS speed over ground, 24h avg calculated in db	kn	Database	Calculated based Ship SOG	SPRS
Oden.Ship.SOG_3h	Ship GPS speed over ground, 3h avg calculated in db	kn	Database	Calculated based Ship SOG	SPRS
Oden.Ship.SOG_6h	Ship GPS speed over ground, 6h avg calculated in db	kn	Database	Calculated based Ship SOG	SPRS
Oden.Ship.SOG_KMH	Ship GPS speed over ground calculated in db	km/h	Database	Calculated based Ship SOG	SPRS
Oden.Ship.VBW	Ship speed over water	kn	Oden	Oden navigation system	\N
Oden.Ship.VLW.Sum	Summary distance for speed over water	nm	Oden	Oden navigation system	\N
Oden.Ship.VLW.Trip	Distance for speed over water (trip)	nm	Oden	Oden navigation system	\N
Oden.Ship.ZDA_GPS_Date	Ship GPS NMEA ZDA telegram Date	yyyymmdd	Bridge roof	Oden GPS	\N
Oden.Ship.ZDA_GPS_Day	Ship GPS NMEA ZDA telegram Day	dd	Bridge roof	Oden GPS	\N
Oden.Ship.ZDA_GPS_Month	Ship GPS NMEA ZDA telegram Month	mm	Bridge roof	Oden GPS	\N
Oden.Ship.ZDA_GPS_Time	Ship GPS NMEA ZDA telegram Time UTC	hhmmss	Bridge roof	Oden GPS	\N
Oden.Ship.ZDA_GPS_Year	Ship GPS NMEA ZDA telegram Year	yyyy	Bridge roof	Oden GPS	\N
Oden.Water.Hull-Temperature1	First hull temperature PT100 Sensor, inside on hull at -4m sea level	°C	Dubbel hull tank4	PT100	\N
Oden.Water.Hull-Temperature2	Second hull temperature PT100 Sensor, inside on hull at -4m sea level	°C	Dubbel hull tank4	PT100	\N
Oden.Water.Inlet-Temperature	Sea water inlet att -8m PT100 temperature sensor	°C	Inlet	PT100	\N
Oden.Water.labwater.flow-PL.Flow	Flow sensor Kofferdam labwater Plastic sytem	l/s	Cofferdam	MEATEST M921	BASI
Oden.Water.labwater.flow-PL.Temp	Temp in flow sensor Kofferdam labwater Plastic sytem	°C	Cofferdam	MEATEST M921	BASI
Oden.Water.labwater.flow-SL.Flow	Flow sensor Kofferdam labwater Stainless Steel system	l/s	Cofferdam	MEATEST M921	BASI
Oden.Water.labwater.flow-SL.Temp	Temp in flow sensor Kofferdam labwater Stainless Steel system	°C	Cofferdam	MEATEST M921	BASI
Oden.Water.labwater.PL.Pressure	Calculated value from PL.PressureRAW	Bar	Cofferdam	BPT128Smart	BASI
Oden.Water.labwater.PL.PressureRAW	WARNING_Auto generated by SQL PutValue!	mA	Cofferdam	BPT128Smart	BASI
Oden.Water.labwater.SL.Pressure	Calculated value from SL.PressureRAW	Bar	Cofferdam	BPT128Smart	BASI
Oden.Water.labwater.SL.PressureRAW	WARNING_Auto generated by SQL PutValue!	mA	Cofferdam	BPT128Smart	BASI
Oden.Water.SBE38-tank.Temperature	Sea water inlet flowcell temperature sensor	°C	Tank3	SBE38	Seabird
Oden.Water.SBE45-kofferdamm.Conductivity	SBE45 sea water system, conductivity	S/m	Cofferdam	SBE45	Seabird
Oden.Water.SBE45-kofferdamm.Salinity	SBE45 sea water system, salinity	psu	Cofferdam	SBE45	Seabird
Oden.Water.SBE45-kofferdamm.SoundSpeed	SBE45 sea water system, sound speed	m/s	Cofferdam	SBE45	Seabird

Oden.Water.SBE45-kofferdamm.Temperature	SBE45 sea water system, water temperature	°C	Cofferdam	SBE45	Seabird
Oden.Water.SBE45-mainlab.Conductivity	SBE45 sea water system, conductivity	S/m	MainLab	SBE45	Seabird
Oden.Water.SBE45-mainlab.Salinity	SBE45 sea water system, salinity	psu	MainLab	SBE45	Seabird
Oden.Water.SBE45-mainlab.SoundSpeed	SBE45 sea water system, sound speed	m/s	MainLab	SBE45	Seabird
Oden.Water.SBE45-mainlab.Temperature	SBE45 sea water system, water temperature	°C	MainLab	SBE45	Seabird
Oden.Water.Valeport-SVS.SeaTemperature	Valeport SVS water temperature, Sea water temperature of sound speed sensor	°C	Sea Chest	Valeport MiniSVS Sound Velocity Sensor 0652004-T	Valeport
Oden.Water.Valeport-SVS.SoundSpeed	Valeport SVS underwater Sound Speed (approx -8m under the water surface)	m/s	Sea Chest	Valeport MiniSVS Sound Velocity Sensor 0652004-T	Valeport