

Available Properties

The following is a dynamic list of all of the properties are being pulled from the [properties](#) web service using the URL [http://data.oceannetworks.ca/api/properties?method=get&token=\[YOUR_TOKEN_HERE\]](http://data.oceannetworks.ca/api/properties?method=get&token=[YOUR_TOKEN_HERE])

The **propertyCode** values can be used as a filter on the [locations](#), [devices](#), [deviceCategories](#), [properties](#), [dataProducts](#) and [dataProductDelivery](#) services. Filters on the **propertyCode**, **propertyName** and **description** columns can be used to reduce the results returned from the [properties](#) service.

propertyCode	propertyName	description	uom
absolutebarometricpressure	Absolute Barometric Pressure	Pressure: air, absolute barometric	hPa
absolutehumidity	Absolute Humidity	Humidity: absolute	g/m ³
absorbance	Absorbance	Absorbance: LED light	NA
acceleration	Acceleration	Acceleration	m/s ²
airdensity	Air Density	Density: air	kg/m ³
airtemperature	Air Temperature	Temperature: air	C
altitude	Altitude	Depth: altitude	m
altitudesource	Altitude Source	Altitude Source: For altitude values	ON/OFF
amperage	Amperage	Amperage	A
amplitudebeam1	Amplitude Beam 1	Amplitude: beam 1	Count
amplitudebeam2	Amplitude Beam 2	Amplitude: beam 2	Count
amplitudebeam3	Amplitude Beam 3	Amplitude: beam 3	Count
angularrate	Angular rate	Angular Rate	°/s
barometrictrend	Barometric Trend	Barometric Trend	NA
batterycapacity	Battery Capacity	Battery Capacity	Ah
batterycharge	Battery Charge	Battery Charge	%
batteryposition	Battery Position	Position of the pitch battery	in
beamposition	Beam Position	Beam position	Count
benderelectricalresistance	Bender Electrical Resistance	Bender Electrical Resistance	mega-ohm
biofoulingprevention	Biofouling Prevention	Biofouling Prevention	ON/OFF
bottomlock	Bottom Lock	Bottom Lock: Sensor ability to see bottom	ON/OFF
calibratedphaseangle	Calibrated Phase Angle	Calibrated Phase Angle	deg
cameralight	Camera Light	Camera Light	%
camerapan	Camera Pan	Camera Pan	deg
cameratilt	Camera Tilt	Camera Tilt	deg
cdom	CDOM	Colored Dissolved Organic Matter (CDOM)	ppb QSDE
cdomfluorescence	CDOM Fluorescence	CDOM Fluorescence	ppb
chlorophyll	Chlorophyll	Chlorophyll	ug/l
co2concentration	CO2 Concentration	Concentration: carbon dioxide	ppm
co2concentrationlinearized	CO2 Concentration Linearized	Concentration: carbon dioxide, linearized	umol/mol
co2partialpressure	CO2 Partial Pressure	Pressure: carbon dioxide, partial pressure	pCO ₂ uatm
compensatedphaseangle	Compensated Phase Angle	Compensated Phase Angle	deg
conductivity	Conductivity	Conductivity: siemens per metre	S/m
correlation	Correlation	Correlation	%
currentdirection	Current Direction	Current Direction: from North in degree	deg
currentvelocity	Current Velocity	Current Velocity: current speed calculated	m/s
currentvelocitybeam1xeast	Current Velocity Beam1-X-East	Current Velocity: beam1-x-east	m/s
currentvelocitybeam2ynorth	Current Velocity Beam2-Y-North	Current Velocity: beam2-y-north	m/s
currentvelocitybeam3zup	Current Velocity Beam3-Z-Up	Current Velocity: beam3-z-up	m/s
density	Density	Density	kg/m ³
depth	Depth	Depth	m
detectionratio	Detection Ratio	Detection Ratio: Short to Long Term Average	NA
devicememorysize	Memory Size	Memory: size	byte
devicememoryusage	Memory Usage Bytes	Memory: bytes of memory in use by a device	byte
devicememoryusagepercent	Memory Usage Percent	Memory: percent of memory in use by a device	%
dewpoint	Dew Point	Dew Point	C

differentialpressuregauge	Differential Pressure Gauge	Pressure: differential Pressure Gauge	decibar
differentialtemperature	Differential Temperature	Temperature: differential	C
displacement	Displacement	Displacement	m
dissolvedgaspressure	Dissolved Gas Pressure	Pressure: dissolved gas	mbar
downwardatmosphericlongwaveradiation	Downward Atmospheric Long-Wave Radiation	Radiation: atmospheric long-wave, downward	W/m^2
easting	Easting	Easting: UTM	m
electricalresistance	Electrical Resistance	Electrical Resistance	ohm
electriccharge	Electric Charge	Electric Charge	mAh
engineeringcount	Engineering Count	Count: engineering data	Count
engineeringcount1000s	Engineering Count 1000s	Count: engineering data, count in thousands	kCount
errorcode	Error Code	Error Code	NA
eventcount	Event Count	Count: scientific event counter	Count
filecount	File Count	Count: file	Count
focus	Focus	Focus	Count
forwardrange	Forward Range	Forward range	m
frequency	Frequency	Frequency	Hz
gassaturation	Gas Saturation	Saturation: of gas	%
gasstreampressure	Gas Stream Pressure	Pressure: for dissolved gas sensors	decibar
gpsintervaltimeofweek	GPS Interval Time of Week	Time: GPS interval time of week	s
gravitationalacceleration	Gravitational Acceleration	Gravitational Acceleration	g m/s2
gravity	Gravity	Gravity: measured	gal
gregoriantime	Gregorian Time	Time: Gregorian days since 19700101T000000Z	Gregorian days since 19700101T000000Z
groundfault	Ground Fault	Ground Fault	%
heave	Heave	Heave	m
icedraft	Ice Draft	Ice Draft	m
icethickness	Ice Thickness	Thickness: ice	m
instrumentlevel	Instrument level	Instrument level	Count
internalhumidity	Internal Humidity	Humidity: internal to calibrate instrument	%
internalph	Internal pH	pH: internal or reference pH	pH
internalpressure	Internal Pressure	Pressure: internal pressure of instrument	decibar
internaltemperature	Internal Temperature	Temperature: instrument internal temperature	C
internalvacuumpressure	Internal Vacuum Pressure	Pressure: internal vacuum pressure	in Hg
ironconcentration	Iron Concentration	Concentration: iron	umol/l
kurtosisstatisticalanalysis	Kurtosis Statistical Analysis	Kurtosis Statistical Analysis	NA
laser	Laser	Laser	ON/OFF
latitude	Latitude	Latitude: in degrees	deg
length	Length	Length	m
lengthstddev	Length Standard Deviation	Length Standard Deviation	m
longitude	Longitude	Longitude: in degrees	deg
magneticdeclination	Magnetic Declination	Magnetic Declination	deg
magneticheading	Magnetic Heading	Magnetic Heading	deg
magnetometer	Magnetometer	Magnetic flux density	uT
magnetunitlessensor	Magnet Unitless Sensor	Magnet Unitless Sensor	NA
massposition	Mass Position	Mass Position	%
maximumwaveheight	Maximum Wave Height	Wave Height: maximum wave	m
maximumwaveperiod	Maximum Wave Period	Wave Period: maximum wave period	s
meanwavedirection	Mean Wave Direction	Wave Direction: mean wave direction	deg
meanwavespread	Mean Wave Spread	Mean Wave Spread	deg
methaneconcentration	Methane Concentration	Concentration: methane	ppm
methanemolarconcentration	Methane Molar Concentration	Concentration: methane	umol/l
methanepartialpressure	Methane Partial Pressure	Pressure: methane, partial pressure	pCH4 uatm
microacceleration	Micro-g Acceleration	Acceleration: micro-g	ug
mixingratio	Mixing Ratio	Mixing Ratio	g/kg
motorpower	Motor Power	Motor Power	%

netradiation	Net Radiation	Radiation: net radiation	W/m ²
nitrateconcentration	Nitrate Concentration	Concentration: nitrate	umol/l
northing	Northing	Northing: UTM	m
onoffsensor	On/Off Sensor	On/Off Sensor	ON/OFF
other	Other	Unclassified sensor type	NA
oxygen	Oxygen	Oxygen: optode sensor	ml/l
parenergybased	PAR Energy-based	Radiation: par, energy	uE / m ² s
parphotonbased	PAR Photon-based	Radiation: par, photon	umol / m ² s
peakgrounddisplacement	Peak Ground Displacement	Peak Ground Displacement	m
peakperiod	Peak Period	Wave Period : wave peak period	s
peakvalue	Peak Value	Peak Value	NA
ph	pH	pH	pH
pingtime	Ping Time	Ping time to target	ms
pitch	Pitch	Pitch	deg
positionoffset	Position Offset	Position offset	m
power	Power	Power	W
pressure	Pressure	Pressure	decibar
pumpflow	Pump Flow	Pump flow in l/min	l/min
rainfallrate	Rainfall Rate	Rainfall Rate	mm/hr
rayleighwavedetectorhighpassfilter	Rayleigh Wave Detector High Pass Filter	Rayleigh Wave Detector High Pass Filter	NA
redox	Redox	Redox	V
relativebarometricpressure	Relative Barometric Pressure	Pressure: air, relative barometric	hPa
relativehumidity	Relative Humidity	Humidity: relative	%
resevoirvolume	Reservoir Volume	Reservoir Volume	ml
roll	Roll	Roll	deg
runtimeensor	Runtime Sensor	Runtime Sensor	s
salinity	Salinity	Salinity	psu
satellitecount	Satellite Count	Count: satellite	Count
scientificcount	Scientific Count	Count: scientific data counter	Count
seafloordepthbelowseasurface	Seafloor depth below Sea Surface	Seafloor depth below Sea Surface	m
seaicetemperature	Sea Ice Temperature	Temperature: sea ice	C
seawatertemperature	Sea Water Temperature	Temperature: sea water	C
sedimentsurfacetemperature	Sediment Surface Temperature	Temperature: sediment surface	C
sedimenttemperature	Sediment Temperature	Temperature: sediment	C
shipcourse	Ship Course	Ship Course	deg
sigmat	Sigma-t	Sigma-t	kg/m ³
sigmatheta	Sigma-theta	Sigma-theta	kg/m ³
signaltonoiseratio	Signal to Noise Ratio	Signal to Noise Ratio	NA
significantwaveheight	Significant Wave Height	Wave Height: significant wave	m
significantwaveperiod	Significant Wave Period	Wave Period: significant wave period	s
snowthickness	Snow Thickness	Thickness: snow	m
solarradiation	Solar Radiation	Solar Radiation	W/m ²
soundpressurelevel	Sound Pressure Level	Sound Pressure Level	Uncalibrated Amplitude
soundspeed	Sound Speed	Sound Speed: sound velocity sensor	m/s
specificenthalpy	Specific Enthalpy	Specific Enthalpy	kJ/kg
speedoverground	Speed over Ground	Speed over Ground	m/s
srslcebalancebuoytemperature	SRSL Ice Balance Buoy Temperature	Temperature: air, snow, ice, sea water	C
statuscode	Status Code	Status Code	NA
targetpersistence	Target Persistence	Target Persistence	s
tension	Tension	Tension	N
thresholdwatcher	Threshold Watcher	Threshold Watcher	NA
tilt	Tilt	Tilt: tilt sensor	deg
timeout	Timeout	Timeout	s
torque	Torque	Torque	Nm
totalpressure	Total Pressure	Pressure: total depth pressure sensor	decibar

transmission	Transmission	Transmission: transmission sensor	%
trueheading	True Heading	True Heading	deg
turbidityftu	Turbidity FTU	Turbidity: formazin turbidity units	FTU
turbidityntu	Turbidity NTU	Turbidity: nephelometric turbidity units	NTU
upwardirradianceofdetector	Upward Irradiance of Detector	Upward Irradiance of Detector	W/m^2
utmzone	UTM Zone	UTM Zone: for longitude band, positive north	NA
uvindex	UV Index	UV Index	NA
velocity	Velocity	Velocity	m/s
ventfluidtemperature	Vent Fluid Temperature	Temperature: vent fluid	C
voltage	Voltage	Voltage: voltage sensor	V
wavedirectionatpeakperiod	Wave Direction at Peak Period	Wave Direction: wave direction at peak period	deg
weightedthreshold	Weighted Threshold	Weighted Threshold	NA
wetbulbtemperature	Wet Bulb Temperature	Temperature: wet bulb	C
windchilltemperature	Wind Chill Temperature	Temperature: air, wind chill	C
winddirection	Wind Direction	Wind Direction	deg
winddirectioncorrectedbycompass	Wind Direction Corrected by Compass	Wind Direction: corrected by compass	deg
winddirectionuncorrectedbycompass	Wind Direction Uncorrected by Compass	Wind Direction: uncorrected by compass	deg
windspeed	Wind Speed	Wind Speed	m/s
windspeedmax	Wind Speed Maximum	Wind Speed Maximum	m/s
yaw	Yaw	Yaw	deg
zoom	Zoom	Zoom	Count