Palmer Station Waterwall Data

**The data is formatted as follows:**

TimeStamp,Flow\_Count,Flow\_Rate,Fluor\_V,CHL,xMiss\_V,Trans,RTP\_Temp,TSG\_Temp,TSG\_Cond,Salinity

*Sample data line:*

2018-12-18 12:30:30.07, 16.3, 28.0, 48, 0.82, 3591, 76.4, 0.560, 1.833, 2.9655, 33.770

**Units:**

flow = flow counts (Hz)

flow\_rate = flow rate (mL/sec)

V\_fluor = fluorometer voltage (mV)

CHL = chlorophyll concentration (µg/L)

V\_xmiss = transmissometer voltage (mV)

Trans = transmission (%)

Remote\_Temp = seawater intake temperature (°C)

TSG\_Temp = thermosalinograph temperature (°C)

Cond = thermosalinograph conductivity (S/m)

Sal = salinity (PSU)

**Instruments & Locations:**

|  |  |  |  |
| --- | --- | --- | --- |
| *Instrument* | *Manufacturer* | *Model* | *Location* |
| Transmissometer | Wet Labs | C-Star | Aquarium |
| Fluorometer | Wet Labs | FLRT 3759 | Aquarium |
| Thermosalinograph | Seabird | 45, 50psi Max | Aquarium |
| Flowmeter | Omega | FPR131 | Aquarium |
| Temperature Sensor | Seabird | SBE 38 | Pump house |

All instruments (except flowmeter) are calibrated by the manufacturer on a yearly basis.

**For more information:** contact Palmer Station Lab Supervisor at labman@usap.gov