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SENSOR SERIAL NUMBER: 0019
CALIBRATION DATE: 08-Jan-20

Prawler CTD CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -9.815526e-001
h =  1.502120e-001
i = -4.613842e-004
j =  5.603292e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  5.2016e-007
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BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2563.20	0.00000	0.00000
1.0000	34.8819	2.98104	5151.44	2.98105	0.00002
4.5000	34.8627	3.28867	5347.22	3.28865	-0.00002
15.0000	34.8207	4.27210	5929.18	4.27209	-0.00001
18.5000	34.8118	4.61784	6120.36	4.61784	0.00000
24.0000	34.8019	5.17672	6417.06	5.17674	0.00002
29.0000	34.7961	5.69938	6682.23	5.69937	-0.00001
32.5000	34.7919	6.07222	6864.89	6.07211	-0.00011

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \varepsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity