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SENSOR SERIAL NUMBER: 0023
CALIBRATION DATE: 20-Jan-21

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

COEFFICIENTS:

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g = -9.937559e-001
h =  1.544975e-001
i = -3.081677e-004
j =  4.949387e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  3.2807e-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	2539.98	0.00000	0.00000
1.0000	34.7316	2.96941	5069.56	2.96943	0.00001
4.5000	34.7115	3.27581	5261.22	3.27580	-0.00001
15.0001	34.6694	4.25551	5831.17	4.25549	-0.00002
18.5000	34.6608	4.59996	6018.47	4.59996	-0.00000
24.0000	34.6520	5.15688	6309.22	5.15689	0.00001
29.0000	34.6473	5.67775	6569.17	5.67777	0.00003
32.5000	34.6447	6.04944	6748.33	6.04942	-0.00002

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