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SENSOR SERIAL NUMBER: 0028
CALIBRATION DATE: 22-May-22

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

COEFFICIENTS:

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g = -9.909148e-001
h =  1.469638e-001
i = -1.127218e-004
j =  2.981949e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  2.5666e-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	2597.45	0.00000	0.00000
1.0000	34.6188	2.96069	5181.60	2.96071	0.00003
4.5000	34.5996	3.26629	5377.48	3.26625	-0.00004
15.0000	34.5591	4.24339	5960.20	4.24341	0.00002
18.5000	34.5510	4.58696	6151.72	4.58695	-0.00001
24.0000	34.5419	5.14230	6449.04	5.14230	0.00000
28.9999	34.5359	5.66153	6714.82	5.66153	0.00000
32.5000	34.5301	6.03170	6897.89	6.03170	-0.00000

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