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SENSOR SERIAL NUMBER: 0045
CALIBRATION DATE: 03-May-23

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

COEFFICIENTS:

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g = -1.024688e+000
h =  1.511978e-001
i = -1.384015e-003
j =  1.340516e-004

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  9.5198e-008
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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	2626.94	0.00000	0.00000
1.0000	34.0518	2.91676	5167.19	2.91688	0.00012
4.5000	34.0327	3.21798	5360.78	3.21788	-0.00010
15.0000	33.9925	4.18109	5936.72	4.18096	-0.00013
18.5000	33.9843	4.51973	6125.95	4.51971	-0.00003
24.0000	33.9752	5.06713	6419.55	5.06741	0.00028
29.0000	33.9688	5.57890	6681.39	5.57876	-0.00014
32.5000	33.9619	5.94359	6860.31	5.94071	-0.00288

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