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SENSOR SERIAL NUMBER: 0015
CALIBRATION DATE: 15-Jan-21

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

COEFFICIENTS:

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g = -1.045433e+000
h =  1.442149e-001
i = -6.335755e-004
j =  6.725370e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  6.1647e-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	2703.88	0.00000	0.00000
1.0000	34.7296	2.96926	5303.33	2.96935	0.00009
4.5000	34.7101	3.27569	5501.57	3.27563	-0.00006
15.0000	34.6691	4.25546	6091.65	4.25535	-0.00012
18.5000	34.6609	4.59997	6285.71	4.59994	-0.00004
24.0000	34.6525	5.15695	6587.07	5.15719	0.00025
29.0000	34.6490	5.67799	6856.27	5.67788	-0.00012
32.5000	34.6473	6.04984	7034.97	6.03552	-0.01432

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