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SENSOR SERIAL NUMBER: 0015
CALIBRATION DATE: 24-Jan-21

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

COEFFICIENTS:

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g = -1.034720e+000
h =  1.417406e-001
i = -1.424790e-004
j =  2.993531e-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	2703.44	0.00000	0.00000
1.0000	34.6671	2.96442	5310.10	2.96442	-0.00001
4.4999	34.6475	3.27035	5508.80	3.27037	0.00002
15.0000	34.6071	4.24866	6100.14	4.24863	-0.00002
18.5000	34.5987	4.59261	6294.61	4.59259	-0.00002
24.0000	34.5900	5.14867	6596.64	5.14869	0.00002
29.0000	34.5860	5.66883	6866.84	5.66885	0.00002
32.5001	34.5834	6.03996	7053.10	6.03994	-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