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SENSOR SERIAL NUMBER: 9567
CALIBRATION DATE: 11-Apr-25

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

COEFFICIENTS:

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g = -1.017157e+000
h =  1.475330e-001
i = -2.059306e-004
j =  3.665143e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  3.1704e-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	2628.28	0.00000	0.00000
1.0000	34.6108	2.96007	5193.57	2.96008	0.00001
4.5000	34.5910	3.26555	5388.69	3.26554	-0.00001
15.0000	34.5487	4.24224	5969.22	4.24224	-0.00001
18.5000	34.5393	4.58557	6160.05	4.58556	-0.00001
24.0000	34.5286	5.14054	6456.34	5.14057	0.00003
29.0000	34.5226	5.65960	6721.31	5.65959	-0.00001
32.5001	34.5180	6.02984	6903.75	6.02947	-0.00037

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