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SENSOR SERIAL NUMBER: 9567
CALIBRATION DATE: 29-Apr-25

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

COEFFICIENTS:

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g = -1.017182e+000
h =  1.474490e-001
i = -1.783170e-004
j =  3.664044e-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	2628.42	0.00000	0.00000
1.0000	34.5739	2.95721	5190.67	2.95720	-0.00001
4.5000	34.5561	3.26258	5385.69	3.26260	0.00002
14.9999	34.5195	4.23903	5965.81	4.23902	-0.00001
18.5000	34.5120	4.58234	6156.53	4.58234	0.00000
24.0000	34.5048	5.13739	6452.66	5.13738	-0.00000
29.0000	34.5020	5.65660	6717.55	5.65660	0.00000
32.5000	34.5012	6.02723	6900.09	6.02696	-0.00027

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