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SENSOR SERIAL NUMBER: 9431
CALIBRATION DATE: 30-Mar-25

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

COEFFICIENTS:

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g = -1.000512e+000
h =  1.312720e-001
i = -6.682668e-005
j =  2.383655e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.5091e-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	2760.76	0.00000	0.00000
1.0000	34.5599	2.95613	5482.76	2.95613	0.00000
4.5000	34.5413	3.26132	5689.42	3.26132	-0.00000
15.0000	34.5037	4.23730	6304.18	4.23730	0.00000
18.5000	34.4963	4.58048	6506.26	4.58047	-0.00000
24.0000	34.4886	5.13524	6819.99	5.13524	0.00000
29.0000	34.4852	5.65416	7100.58	5.65416	-0.00000
32.5000	34.4833	6.02445	7294.02	6.02445	-0.00000

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