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SENSOR SERIAL NUMBER: 9406
CALIBRATION DATE: 21-Apr-26

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

COEFFICIENTS:

g =	-9.992027e-01	CPcor =	-9.5700e-008
h =	1.264008e-01	CTcor =	3.2500e-006
i =	-6.698729e-05	WBOTC =	6.2234e-07
j =	2.071955e-05		

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	2811.84	0.00000	0.00000
1.0000	34.4778	2.94977	5583.43	2.94978	0.00001
4.5000	34.4585	3.25427	5793.90	3.25427	-0.00000
15.0000	34.4175	4.22783	6419.95	4.22782	-0.00001
18.5000	34.4089	4.57012	6625.76	4.57012	0.00001
24.0000	34.3997	5.12346	6945.29	5.12347	0.00001
29.0000	34.3945	5.64095	7231.04	5.64095	-0.00001
32.5000	34.3917	6.01026	7428.01	6.01013	-0.00013

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

Conductivity (S/m) = $(g + h * f + i * f^2 + j * f^3) / (1 + \delta * t + \varepsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity

