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SENSOR SERIAL NUMBER: 9264
CALIBRATION DATE: 07-Mar-23

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

COEFFICIENTS:

```
g =  -9.835267e-01
h =   1.405021e-01
i =  -2.294336e-04
j =   3.839877e-05

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =   5.9768e-07
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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	2648.94	0.00000	0.00000
1.0000	34.8111	2.97556	5310.88	2.97557	0.00000
4.5000	34.7913	3.28260	5512.24	3.28259	-0.00001
15.0000	34.7489	4.26422	6110.87	4.26423	0.00001
18.5000	34.7392	4.60924	6307.48	4.60924	-0.00000
24.0000	34.7277	5.16690	6612.59	5.16689	-0.00001
29.0000	34.7191	5.68819	6885.25	5.68819	0.00001
32.5000	34.7073	6.05913	7072.65	6.05913	-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