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SENSOR SERIAL NUMBER: 9483
CALIBRATION DATE: 30-Apr-25

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

COEFFICIENTS:

```
g =  -9.897185e-01
h =   1.255625e-01
i =   2.256305e-03
j =  -1.544738e-04

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  -1.2109e-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	2752.84	0.00001	0.00001
1.0001	34.5672	2.95670	5441.68	2.95653	-0.00017
4.4999	34.5477	3.26186	5645.98	3.26191	0.00005
14.9999	34.5063	4.23758	6254.53	4.23763	0.00005
18.5000	34.4974	4.58061	6455.55	4.58144	0.00084
24.0000	34.4871	5.13504	6766.36	5.13374	-0.00130
29.0000	34.4806	5.65349	7047.09	5.65401	0.00052
32.5000	34.4757	6.02328	7245.96	6.03471	0.01143

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