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SENSOR SERIAL NUMBER: 9483
CALIBRATION DATE: 14-May-25

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

COEFFICIENTS:

```
g =  -9.863549e-01          CPcor = -9.5700e-008
h =   1.303494e-01          CTcor =  3.2500e-006
i =  -1.321813e-04          WBOTC =  -1.2109e-07
j =   2.676752e-05
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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	2752.52	0.00000	0.00000
1.0000	34.5827	2.95789	5499.09	2.95790	0.00000
4.5000	34.5631	3.26318	5707.20	3.26318	-0.00000
15.0000	34.5216	4.23927	6326.03	4.23925	-0.00002
18.5000	34.5128	4.58243	6529.42	4.58245	0.00002
24.0000	34.5031	5.13716	6845.10	5.13717	0.00001
29.0000	34.4971	5.65589	7127.32	5.65589	-0.00000
32.5000	34.4928	6.02592	7321.68	6.02567	-0.00026

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