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SENSOR SERIAL NUMBER: 9406
CALIBRATION DATE: 07-May-26

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

COEFFICIENTS:

```
g =  -1.000745e+00
h =   1.267616e-01
i =  -1.501878e-04
j =   2.651152e-05

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =   6.2234e-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	2812.09	0.00000	0.00000
1.0000	34.6048	2.95960	5589.77	2.95962	0.00002
4.5000	34.5854	3.26508	5800.60	3.26506	-0.00001
15.0000	34.5440	4.24173	6427.73	4.24170	-0.00002
18.5000	34.5354	4.58511	6633.88	4.58511	0.00000
24.0000	34.5262	5.14022	6953.91	5.14024	0.00002
29.0000	34.5216	5.65946	7240.14	5.65948	0.00002
32.5000	34.5189	6.02997	7437.42	6.02994	-0.00002

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

