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SENSOR SERIAL NUMBER: 9406
CALIBRATION DATE: 27-Feb-21

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

COEFFICIENTS:

```
g =  -9.994220e-01
h =   1.265540e-01
i =  -1.217229e-04
j =   2.531268e-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	2811.76	0.00000	0.00000
1.0000	34.6533	2.96336	5593.36	2.96337	0.00001
4.4999	34.6342	3.26922	5804.40	3.26921	-0.00002
15.0000	34.5944	4.24726	6432.17	4.24725	-0.00001
18.5000	34.5863	4.59114	6638.53	4.59116	0.00002
24.0000	34.5779	5.14707	6958.85	5.14707	0.00000
29.0001	34.5740	5.66709	7245.35	5.66709	-0.00000
32.4999	34.5716	6.03812	7442.70	6.03787	-0.00024

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