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SENSOR SERIAL NUMBER: 3449
CALIBRATION DATE: 29-Jan-20

SBE 4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.03963752e+001
h = 1.39829490e+000
i = 1.04797787e-005
j = 9.15009833e-005

CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (kHz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
0.0000	0.0000	0.00000	2.72604	0.00000	0.00000
-1.0002	34.8428	2.80649	5.23981	2.80652	0.00002
0.9998	34.8425	2.97797	5.35510	2.97794	-0.00003
14.9998	34.8378	4.27395	6.15682	4.27399	0.00004
18.4998	34.8353	4.62060	6.35395	4.62056	-0.00003
28.9998	34.8261	5.70372	6.93366	5.70372	0.00000
32.4999	34.8130	6.07547	7.12155	6.07530	-0.00017

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars); δ = CTcor; ϵ = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \epsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity

