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SENSOR SERIAL NUMBER: 1335
CALIBRATION DATE: 23-Jun-21

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

COEFFICIENTS:

g = -3.86410742e+000
h = 4.88047967e-001
i = 1.22894727e-004
j = 2.43556825e-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	2.81225	0.00000	0.00000
-1.0000	34.8208	2.80490	8.06513	2.80492	0.00002
1.0000	34.8212	2.97634	8.27797	2.97633	-0.00002
15.0000	34.8210	4.27213	9.73530	4.27213	-0.00000
18.5000	34.8199	4.61879	10.08890	4.61880	0.00001
29.0001	34.8130	5.70185	11.11975	5.70185	-0.00000
32.5001	34.7989	6.07331	11.45133	6.07320	-0.00011

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

