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SENSOR SERIAL NUMBER: 3455
CALIBRATION DATE: 29-Jan-20

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

COEFFICIENTS:

g = -1.00980698e+001
h = 1.56307907e+000
i = -2.70086965e-003
j = 3.00226820e-004

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	2.54574	0.00000	0.00000
-1.0002	34.8428	2.80649	4.95072	2.80651	0.00001
0.9998	34.8425	2.97797	5.06065	2.97795	-0.00002
14.9998	34.8378	4.27395	5.82456	4.27400	0.00004
18.4998	34.8353	4.62060	6.01227	4.62056	-0.00004
28.9998	34.8261	5.70372	6.56401	5.70371	-0.00001
32.4999	34.8130	6.07547	6.74283	6.07548	0.00001

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

