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SENSOR SERIAL NUMBER: 3858
CALIBRATION DATE: 13-Dec-18

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

COEFFICIENTS:

g = -1.02256327e+001
h = 1.52940137e+000
i = -1.77161301e-003
j = 2.23247007e-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	2.58835	0.00000	0.00000
-1.0000	34.5297	2.78363	4.99401	2.78362	-0.00001
1.0000	34.5298	2.95380	5.10437	2.95381	0.00002
15.0000	34.5285	4.24003	5.87127	4.24003	0.00000
18.5000	34.5269	4.58410	6.05985	4.58409	-0.00002
29.0000	34.5191	5.65909	6.61419	5.65911	0.00002
32.5000	34.5075	6.02820	6.79395	6.02819	-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

