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SENSOR SERIAL NUMBER: 3858
CALIBRATION DATE: 23-Jun-21

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

COEFFICIENTS:

g = -1.02084740e+001
h = 1.52370321e+000
i = -3.06858379e-004
j = 1.29257536e-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	2.58833	0.00000	0.00000
-1.0000	34.8207	2.80490	5.00801	2.80490	0.00001
1.0000	34.8212	2.97634	5.11881	2.97634	-0.00001
15.0000	34.8214	4.27217	5.88883	4.27217	-0.00000
18.5000	34.8199	4.61879	6.07816	4.61880	0.00000
29.0001	34.8130	5.70185	6.63466	5.70185	0.00000
32.5001	34.7990	6.07333	6.81496	6.07332	-0.00000

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

