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SENSOR SERIAL NUMBER: 3858
CALIBRATION DATE: 01-Oct-19

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

COEFFICIENTS:

g = -1.02232515e+001
h = 1.52841858e+000
i = -1.48141176e-003
j = 2.01994188e-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	2.58837	0.00000	0.00000
-1.0000	34.8033	2.80363	5.00704	2.80360	-0.00003
1.0000	34.8026	2.97491	5.11784	2.97494	0.00004
15.0000	34.8001	4.26984	5.88772	4.26981	-0.00003
18.5000	34.7963	4.61600	6.07694	4.61603	0.00002
28.9999	34.7855	5.69783	6.63314	5.69782	-0.00001
32.5000	34.7701	6.06884	6.81333	6.06885	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

