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SENSOR SERIAL NUMBER: 3854
CALIBRATION DATE: 01-Oct-19

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

COEFFICIENTS:

g = -1.04210023e+001
h = 1.58444793e+000
i = -1.72067559e-003
j = 2.28802672e-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	2.56694	0.00000	0.00000
-1.0000	34.8033	2.80363	4.93116	2.80360	-0.00003
1.0000	34.8026	2.97491	5.03973	2.97494	0.00003
15.0000	34.8001	4.26984	5.79440	4.26981	-0.00002
18.5000	34.7963	4.61600	5.97994	4.61602	0.00002
28.9999	34.7855	5.69783	6.52543	5.69782	-0.00001
32.5000	34.7701	6.06884	6.70219	6.06885	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

