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SENSOR SERIAL NUMBER: 4204
CALIBRATION DATE: 03-Oct-18

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

COEFFICIENTS:

g = -9.70573874e+000
h = 1.46192072e+000
i = -1.85285309e-003
j = 2.38873711e-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	2.57945	0.00000	0.00000
-1.0000	34.6711	2.79397	5.08014	2.79396	-0.00001
1.0000	34.6713	2.96475	5.19400	2.96476	0.00001
15.0001	34.6717	4.25576	5.98441	4.25575	-0.00000
18.5000	34.6704	4.60110	6.17857	4.60111	0.00001
29.0000	34.6631	5.68004	6.74881	5.68002	-0.00002
32.5001	34.6486	6.05006	6.93344	6.05007	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

