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SENSOR SERIAL NUMBER: 3449
CALIBRATION DATE: 07-Feb-20

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

COEFFICIENTS:

g = -1.03843754e+001
h = 1.39725190e+000
i = -1.17729587e-004
j = 7.21178879e-005

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	2.72596	0.00000	0.00000
-1.0001	34.7543	2.80004	5.23875	2.79999	-0.00004
0.9999	34.7530	2.97106	5.35412	2.97111	0.00005
14.9999	34.7515	4.26449	6.15625	4.26447	-0.00003
18.4999	34.7483	4.61031	6.35352	4.61033	0.00002
29.0000	34.7368	5.69076	6.93346	5.69076	-0.00000
32.5000	34.7190	6.06094	7.12128	6.06106	0.00012

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

