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SENSOR SERIAL NUMBER: 3957
CALIBRATION DATE: 08-Jul-20

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

COEFFICIENTS:

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g =  -1.04027397e+001
h =   1.60874198e+000
i =  -1.58582510e-003
j =   2.21827791e-004

CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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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	2.54497	0.00000	0.00000
-1.0003	34.5819	2.78742	4.88154	2.78743	0.00000
0.9997	34.5829	2.95788	4.98896	2.95787	-0.00001
14.9997	34.5837	4.24606	5.73569	4.24606	0.00000
18.4997	34.5827	4.59068	5.91939	4.59069	0.00001
28.9997	34.5778	5.66760	6.45951	5.66758	-0.00002
32.4998	34.5643	6.03698	6.63455	6.03699	0.00002

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \varepsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity