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SENSOR SERIAL NUMBER: 2482
CALIBRATION DATE: 07-Jun-22

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

COEFFICIENTS:

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g =  -9.88449022e+000
h =   1.33984272e+000
i =  -1.23393886e-003
j =   1.52776247e-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	2.71839	0.00000	0.00000
-1.0001	34.9025	2.81086	5.32951	2.81085	-0.00001
0.9999	34.9024	2.98261	5.44857	2.98262	0.00001
14.9999	34.9020	4.28100	6.27544	4.28100	-0.00000
18.5000	34.9007	4.62835	6.47867	4.62837	0.00002
29.0001	34.8934	5.71353	7.07565	5.71349	-0.00004
32.5001	34.8771	6.08540	7.26887	6.08543	0.00003

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