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SENSOR SERIAL NUMBER: 3229
CALIBRATION DATE: 02-Feb-23

SBE 21 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g =  -4.32755127e+000
h =   5.11021575e-001
i =  -4.27655224e-004
j =   4.66781802e-005

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)
22.0000	0.0000	0.00000	2.91248	0.00000	0.00000
1.0000	34.7199	2.96851	8.16137	2.96851	-0.00000
4.5000	34.6990	3.27475	8.51986	3.27475	0.00000
15.0000	34.6546	4.25387	9.57505	4.25385	-0.00002
18.5000	34.6449	4.59808	9.91892	4.59810	0.00002
24.0000	34.6339	5.15448	10.45027	5.15448	-0.00001
29.0000	34.6266	5.67473	10.92319	5.67474	0.00000
32.5000	34.6153	6.04489	11.24776	6.04550	0.00061

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