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SENSOR SERIAL NUMBER: 3229
CALIBRATION DATE: 16-Feb-23

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

COEFFICIENTS:

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g =  -4.11994514e+000
h =   4.86260957e-001
i =  -2.98648869e-004
j =   3.96821273e-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	2.91239	0.00000	0.00000
1.0000	34.7544	2.97118	8.33888	2.97118	0.00000
4.5000	34.7340	3.27772	8.70728	3.27772	-0.00000
15.0000	34.6898	4.25773	9.79103	4.25774	0.00000
18.4999	34.6804	4.60227	10.14403	4.60226	-0.00001
24.0000	34.6699	5.15925	10.68954	5.15926	0.00001
29.0000	34.6632	5.68006	11.17493	5.68005	-0.00000
32.5000	34.6568	6.05131	11.50825	6.05149	0.00017

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