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SENSOR SERIAL NUMBER: 3269
CALIBRATION DATE: 06-Jan-18

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

COEFFICIENTS:

g = -4.21961073e+000
h = 4.98000642e-001
i = -2.35133033e-004
j = 3.81679324e-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)
22.0000	0.0000	0.00000	2.91192	0.00000	0.00000
1.0000	34.8366	2.97753	8.25668	2.97754	0.00000
4.4999	34.8171	3.28478	8.62048	3.28478	-0.00000
15.0000	34.7755	4.26714	9.69106	4.26715	0.00001
18.5000	34.7670	4.61253	10.03984	4.61251	-0.00003
24.0000	34.7576	5.17086	10.57890	5.17088	0.00002
29.0000	34.7521	5.69299	11.05861	5.69298	-0.00001
32.5000	34.7482	6.06546	11.38810	6.06538	-0.00007

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

