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SENSOR SERIAL NUMBER: 0658
CALIBRATION DATE: 20-Jan-21

SBE 16 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -3.95329904e+000
h = 4.73679969e-001
i = 3.78405709e-004
j = 1.48130106e-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	2.88524	0.00000	0.00000
1.0000	34.7316	2.96941	8.39088	2.96939	-0.00002
4.5000	34.7115	3.27581	8.76255	3.27584	0.00003
15.0001	34.6694	4.25551	9.85546	4.25552	0.00001
18.5000	34.6608	4.59996	10.21137	4.59995	-0.00001
24.0000	34.6520	5.15688	10.76139	5.15686	-0.00002
29.0000	34.6473	5.67775	11.25092	5.67776	0.00001
32.5000	34.6447	6.04944	11.58734	6.04954	0.00010

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

