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SENSOR SERIAL NUMBER: 0655
CALIBRATION DATE: 07-Jun-24

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

COEFFICIENTS:

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g =  -3.85942379e+000
h =   4.60825588e-001
i =   1.00343308e-003
j =  -1.48563308e-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	2.88530	0.00000	0.00000
0.9999	34.6739	2.96494	8.45941	2.96493	-0.00001
4.5000	34.6548	3.27098	8.83472	3.27100	0.00002
14.9999	34.6154	4.24956	9.93846	4.24957	0.00001
18.4999	34.6074	4.59363	10.29795	4.59361	-0.00002
23.9999	34.5992	5.14988	10.85359	5.14988	-0.00000
29.0000	34.5954	5.67020	11.34828	5.67020	0.00000
32.5001	34.5931	6.04147	11.68832	6.04157	0.00010

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \varepsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity