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SENSOR SERIAL NUMBER: 0289
CALIBRATION DATE: 11-Feb-24

SBE 45 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -1.027734e+000
h =  1.678929e-001
i = -4.050326e-004
j =  6.057448e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  3.3617e-007
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BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2478.80	0.00000	0.00000
1.0000	34.6324	2.96174	4882.41	2.96175	0.00001
4.5000	34.6128	3.26741	5065.46	3.26740	-0.00001
15.0000	34.5708	4.24467	5610.07	4.24465	-0.00002
18.5000	34.5616	4.58821	5789.11	4.58820	-0.00001
24.0000	34.5508	5.14348	6067.05	5.14353	0.00005
29.0000	34.5429	5.66256	6315.45	5.66253	-0.00002
32.5000	34.5335	6.03223	6486.26	6.03191	-0.00032

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

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

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

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