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SENSOR SERIAL NUMBER: 0269
CALIBRATION DATE: 18-Jan-24

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

COEFFICIENTS:

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g = -9.783404e-001
h =  1.341702e-001
i = -1.692239e-004
j =  3.307230e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  6.7862e-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	2702.49	0.00000	0.00000
1.0001	34.8534	2.97884	5429.65	2.97879	-0.00005
4.5000	34.8335	3.28619	5635.78	3.28621	0.00003
15.0000	34.7913	4.26887	6248.38	4.26894	0.00007
18.5000	34.7820	4.61431	6449.57	4.61435	0.00004
24.0000	34.7720	5.17276	6761.78	5.17266	-0.00011
29.0000	34.7665	5.69508	7040.99	5.69503	-0.00005
32.5000	34.7624	6.06765	7233.39	6.06772	0.00007

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