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SENSOR SERIAL NUMBER: 21146
CALIBRATION DATE: 07-Mar-25

SBE 37 V2 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -9.970476e-001
h =  1.464187e-001
i = -2.031863e-004
j =  3.876279e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.2762e-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	2611.89	0.00000	0.00000
0.9999	34.5800	2.95768	5197.25	2.95768	0.00000
4.4999	34.5611	3.26300	5393.41	3.26299	-0.00001
14.9999	34.5227	4.23938	5976.89	4.23939	0.00001
18.5000	34.5147	4.58266	6168.65	4.58268	0.00002
24.0000	34.5067	5.13764	6466.29	5.13760	-0.00004
29.0000	34.5030	5.65675	6732.52	5.65676	0.00001
32.5001	34.5014	6.02727	6915.97	6.02711	-0.00016

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