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SENSOR SERIAL NUMBER: 0521
CALIBRATION DATE: 28-Jan-21

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

COEFFICIENTS:

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g =  -4.06391246e+000
h =   4.85935604e-001
i =   9.11367813e-004
j =  -7.32006058e-006

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	2.88429	0.00000	0.00000
1.0000	34.5836	2.95796	8.26117	2.95793	-0.00003
4.5000	34.5643	3.26328	8.62552	3.26334	0.00006
14.9998	34.5241	4.23952	9.69709	4.23946	-0.00006
18.4999	34.5158	4.58278	10.04636	4.58281	0.00003
24.0000	34.5069	5.13766	10.58596	5.13764	-0.00002
29.0000	34.5020	5.65660	11.06643	5.65666	0.00006
32.5001	34.4989	6.02688	11.39648	6.02684	-0.00004

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