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SENSOR SERIAL NUMBER: 1679
CALIBRATION DATE: 20-Jul-19

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

COEFFICIENTS:

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g = -9.801414e-001
h =  1.423444e-001
i = -8.563404e-005
j =  3.147393e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -7.8739e-006
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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	2624.36	0.00000	0.00000
0.9999	34.7451	2.97045	5260.45	2.97045	0.00000
4.4999	34.7254	3.27698	5459.85	3.27698	-0.00000
14.9999	34.6836	4.25704	6052.67	4.25705	0.00000
18.4999	34.6748	4.60161	6247.44	4.60160	-0.00001
24.0000	34.6649	5.15859	6549.74	5.15859	0.00001
28.9999	34.6592	5.67947	6819.98	5.67946	-0.00000
32.5000	34.6547	6.05099	7006.20	6.05102	0.00003

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