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SENSOR SERIAL NUMBER: 3777
CALIBRATION DATE: 10-Oct-19

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

COEFFICIENTS:

g = -1.051190e+000
h = 1.357587e-001
i = -2.199618e-004
j = 3.478483e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = -5.5036e-006

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	2786.33	0.00000	0.00000
1.0001	34.7695	2.97235	5447.41	2.97239	0.00004
4.5000	34.7501	3.27909	5650.56	3.27905	-0.00004
15.0000	34.7067	4.25959	6255.25	4.25957	-0.00002
18.5000	34.6967	4.60421	6454.08	4.60423	0.00002
24.0000	34.6849	5.16124	6762.78	5.16126	0.00002
29.0000	34.6775	5.68214	7038.87	5.68212	-0.00001
32.5000	34.6705	6.05343	7229.01	6.05334	-0.00009

$f = \text{Instrument Output(Hz)} * \sqrt{1.0 + \text{WBOTC} * t} / 1000.0$

t = temperature (°C); p = pressure (decibars); $\delta = \text{CTcor}$; $\epsilon = \text{CPcor}$;

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

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

