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SENSOR SERIAL NUMBER: 0335
CALIBRATION DATE: 22-Oct-20

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

COEFFICIENTS:

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g =  -9.94766933e+000
h =   1.09528175e+000
i =  -3.92502031e-003
j =   3.50490567e-004

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	3.02568	0.00000	0.00000
1.0000	34.6163	2.96049	6.03951	2.96051	0.00001
4.5000	34.5968	3.26605	6.26821	3.26604	-0.00001
15.0000	34.5555	4.24299	6.94831	4.24297	-0.00002
18.5000	34.5469	4.58647	7.17183	4.58649	0.00002
24.0000	34.5374	5.14170	7.51869	5.14172	0.00001
29.0000	34.5324	5.66103	7.82880	5.66102	-0.00001
32.5000	34.5283	6.03142	8.04251	6.03155	0.00012

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