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SENSOR SERIAL NUMBER: 0352
CALIBRATION DATE: 20-May-20

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

COEFFICIENTS:

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g =  -1.00385278e+001
h =   1.10930803e+000
i =  -3.21283303e-003
j =   2.95320030e-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	3.01776	0.00000	0.00000
1.0000	34.8497	2.97855	6.01513	2.97855	0.00001
4.5000	34.8309	3.28597	6.24274	3.28596	-0.00000
15.0000	34.7905	4.26878	6.91968	4.26878	-0.00001
18.5000	34.7821	4.61432	7.14218	4.61432	0.00000
24.0000	34.7728	5.17287	7.48756	5.17287	-0.00000
29.0000	34.7670	5.69515	7.79634	5.69517	0.00001
32.5001	34.7615	6.06752	8.00900	6.06752	-0.00001

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