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SENSOR SERIAL NUMBER: 0415
CALIBRATION DATE: 06-May-21

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

COEFFICIENTS:

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g =  -1.03922432e+001
h =   1.16589892e+000
i =  -2.46311927e-003
j =   2.65202529e-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	2.99197	0.00000	0.00000
1.0000	34.5939	2.95876	5.86926	2.95876	-0.00000
4.5000	34.5750	3.26419	6.08896	3.26419	0.00000
15.0000	34.5348	4.24072	6.74283	4.24072	0.00001
18.5000	34.5263	4.58403	6.95787	4.58404	0.00001
24.0000	34.5169	5.13899	7.29180	5.13898	-0.00001
29.0000	34.5111	5.65793	7.59047	5.65791	-0.00002
32.5000	34.5081	6.02829	7.79647	6.02831	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