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SENSOR SERIAL NUMBER: 0338
CALIBRATION DATE: 01-Feb-21

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

COEFFICIENTS:

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g =  -9.91290943e+000
h =   1.09238391e+000
i =  -3.43791443e-003
j =   3.15300126e-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	3.02281	0.00000	0.00000
1.0000	34.7013	2.96707	6.04533	2.96709	0.00002
4.4999	34.6822	3.27331	6.27454	3.27331	-0.00000
15.0000	34.6420	4.25249	6.95616	4.25246	-0.00003
18.4999	34.6338	4.59675	7.18016	4.59673	-0.00002
24.0000	34.6251	5.15332	7.52790	5.15336	0.00004
29.0000	34.6209	5.67391	7.83878	5.67395	0.00004
32.5000	34.6184	6.04537	8.05300	6.04533	-0.00004

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