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SENSOR SERIAL NUMBER: 0273
CALIBRATION DATE: 17-May-22

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

COEFFICIENTS:

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g =  -1.00695089e+001
h =   1.13538028e+000
i =  -3.53128376e-003
j =   3.33169870e-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	2.98805	0.00000	0.00000
0.9999	34.5872	2.95823	5.93384	2.95829	0.00006
4.4999	34.5672	3.26352	6.15766	3.26345	-0.00007
15.0000	34.5266	4.23982	6.82388	4.23981	-0.00001
18.4999	34.5181	4.58305	7.04285	4.58306	0.00001
23.9999	34.5089	5.13792	7.38276	5.13793	0.00001
29.0000	34.5043	5.65694	7.68674	5.65695	0.00001
32.5000	34.5017	6.02730	7.89627	6.02729	-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