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SENSOR SERIAL NUMBER: 0353
CALIBRATION DATE: 27-Jan-21

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

COEFFICIENTS:

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g =  -1.00175320e+001
h =   1.13070348e+000
i =  -4.61276476e-003
j =   4.04333864e-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	2.98999	0.00000	0.00000
0.9999	34.6630	2.96410	5.95706	2.96413	0.00003
4.4999	34.6434	3.27001	6.18234	3.26997	-0.00004
14.9999	34.6027	4.24816	6.85250	4.24818	0.00002
18.4999	34.5943	4.59208	7.07268	4.59205	-0.00003
23.9999	34.5855	5.14806	7.41453	5.14810	0.00004
29.0000	34.5815	5.66817	7.72014	5.66815	-0.00002
32.5000	34.5799	6.03941	7.93085	6.03942	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