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SENSOR SERIAL NUMBER: 0347
CALIBRATION DATE: 17-Sep-22

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

COEFFICIENTS:

g = -1.02246899e+001
h = 1.12770361e+000
i = -2.94886973e-003
j = 2.76361102e-004

CPcor = -9.5700e-008 (nominal)
CTcor = 3.2500e-006 (nominal)

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	3.01968	0.00000	0.00000
1.0000	34.7320	2.96945	5.97024	2.96945	0.00000
4.4999	34.7114	3.27579	6.19486	3.27579	-0.00000
15.0000	34.6670	4.25523	6.86323	4.25523	0.00000
18.5000	34.6574	4.59956	7.08298	4.59956	-0.00000
24.0000	34.6465	5.15615	7.42418	5.15615	-0.00000
29.0000	34.6397	5.67664	7.72932	5.67664	-0.00000
32.5000	34.6348	6.04791	7.93963	6.04791	0.00000

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars); δ = CTcor; ϵ = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \epsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity

