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SENSOR SERIAL NUMBER: 0347
CALIBRATION DATE: 29-Jan-23

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

COEFFICIENTS:

g = -1.02259502e+001
h = 1.12421409e+000
i = -2.93299112e-003
j = 2.66811504e-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	3.02464	0.00000	0.00000
1.0000	34.7298	2.96927	5.98018	2.96927	-0.00000
4.5000	34.7095	3.27564	6.20525	3.27564	0.00000
15.0000	34.6660	4.25512	6.87498	4.25513	0.00001
18.5000	34.6568	4.59949	7.09520	4.59949	-0.00000
24.0000	34.6469	5.15621	7.43719	5.15620	-0.00000
29.0000	34.6413	5.67687	7.74307	5.67686	-0.00001
32.5000	34.6370	6.04825	7.95390	6.04826	0.00001

f = Instrument Output (kHz)

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

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

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

