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SENSOR SERIAL NUMBER: 0366
CALIBRATION DATE: 16-Dec-22

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

COEFFICIENTS:

g = -9.97282997e+000
h = 1.11784298e+000
i = -1.93250320e-003
j = 2.10962054e-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	2.99210	0.00000	0.00000
1.0000	34.6694	2.96460	5.96409	2.96461	0.00001
4.5000	34.6500	3.27058	6.18973	3.27058	0.00000
15.0000	34.6080	4.24876	6.86089	4.24873	-0.00002
18.5000	34.5989	4.59263	7.08152	4.59262	-0.00001
24.0000	34.5883	5.14845	7.42406	5.14850	0.00005
29.0000	34.5822	5.66828	7.73033	5.66825	-0.00002
32.5001	34.5786	6.03922	7.94148	6.03911	-0.00011

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

