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SENSOR SERIAL NUMBER: 0414
CALIBRATION DATE: 26-Jan-22

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

COEFFICIENTS:

g = -1.00508186e+001
h = 1.10937533e+000
i = -2.09812686e-003
j = 2.29518423e-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	3.01573	0.00000	0.00000
1.0916	34.6174	2.96848	5.99654	2.96850	0.00002
4.5000	34.5987	3.26621	6.21669	3.26618	-0.00003
15.0000	34.5574	4.24320	6.88934	4.24324	0.00004
18.5000	34.5486	4.58667	7.11042	4.58667	-0.00000
24.0000	34.5385	5.14185	7.45366	5.14184	-0.00001
29.0000	34.5325	5.66104	7.76061	5.66101	-0.00003
32.5001	34.5279	6.03137	7.97218	6.03139	0.00002

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

