

SEA-BIRD ELECTRONICS, INC.

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SBE4 CONDUCTIVITY CALIBRATION DATA
 PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

SENSOR SERIAL NUMBER: 3547
 CALIBRATION DATE: 11-Nov-08

ABCDM COEFFICIENTS

a = 8.95843780e-007
 b = 1.591073446e+000
 c = -1.02984800e+001
 d = -8.43412270e-005
 m = 6.1
 CFCOR = -9.5700e-008 (nominal)

GHIJ COEFFICIENTS

g = -1.03090086e+001
 h = 1.59664393e+000
 i = -2.19866888e-003
 j = 2.59661660e-004
 CFCOR = -9.5700e-008 (nominal)
 CFCOR = 3.2500e-006 (nominal)

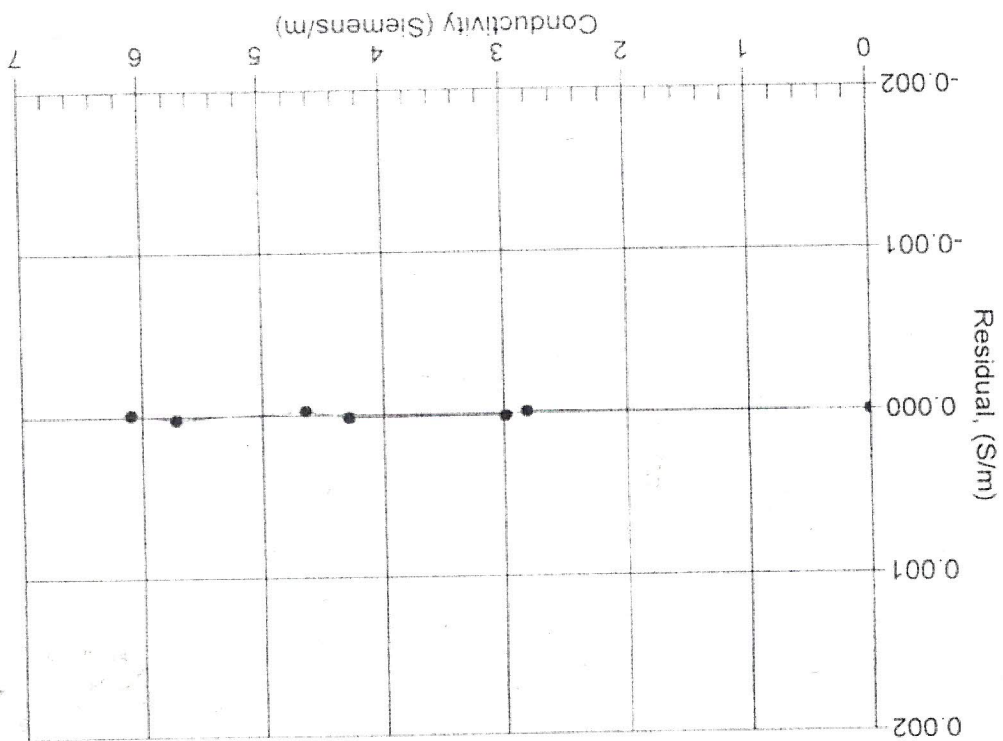
BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (KHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.54412	0.00000	0.00000
-1.0002	34.9326	2.81305	4.91362	2.81304	-0.00001
0.9998	34.9329	2.98496	5.02225	2.98497	0.00001
14.9998	34.9337	4.28447	5.77725	4.28448	0.00001
18.4998	34.9337	4.63224	5.96297	4.63221	-0.00003
28.9998	34.9318	5.71908	6.50902	5.71910	0.00002
32.4999	34.9274	6.09316	6.68652	6.09314	-0.00001

Conductivity = $(g + hr^2 + if^3 + jf^4) / 10(1 + \delta t + \epsilon p)$ Siemens/meter

Conductivity = $(a + bt^m + ct + dt) / [10(1 + \epsilon p)]$ Siemens/meter

t = temperature[°C]; p = pressure[decibars]; δ = CFCOR; ϵ = CFCOR;

Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients



Date, Slope Correction

11-Nov-08 1.0000000