

SEA-BIRD ELECTRONICS, INC.

1808 136th Place N.E., Bellevue, Washington 98005 USA
 Phone: (425) 643 - 9866 Fax: (425) 643 - 9954 Internet: seabird@seabird.com

SENSOR SERIAL NUMBER = 436
 CALIBRATION DATE: 03-23-90

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

GHI COEFFICIENTS

g = -3.81006129e+00
 h = 4.56858933e-01
 i = 2.90715782e-04
 j = 1.42800801e-05
 CPcor = -9.57e-08 (nominal)
 CTcor = 3.25e-06 (nominal)

ABCDM COEFFICIENTS

a = 8.05963043e-04
 b = 4.54577724e-01
 c = -3.79982844e+00
 d = 6.29698058e-04
 m = 2.9
 CPcor = -9.57e-08 (nominal)

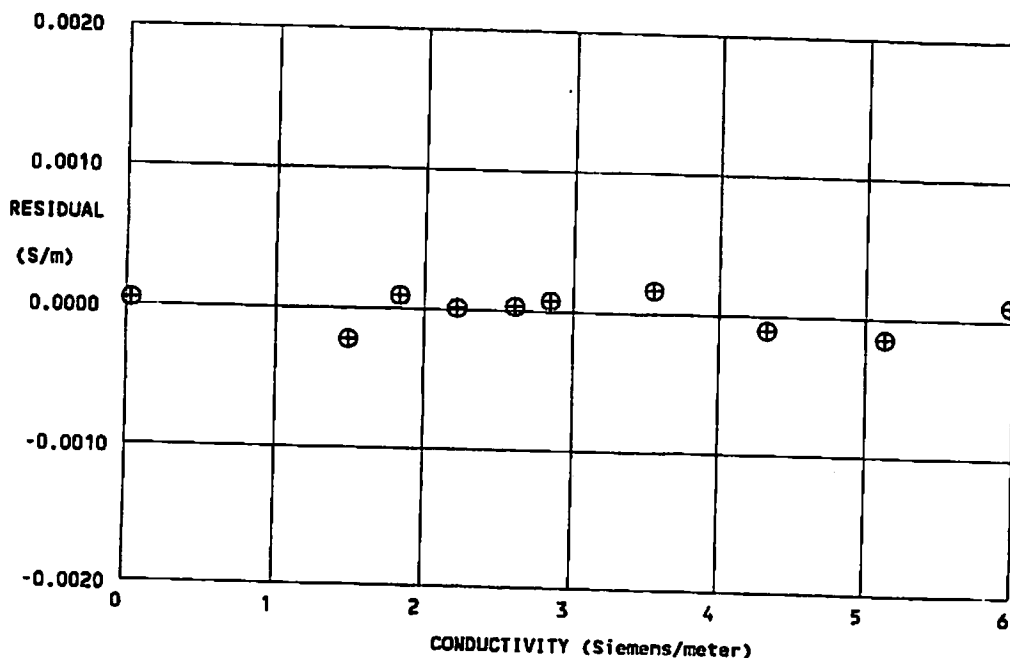
BATH TEMP (IPTS-68 °C)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.88472	0.00004	0.00004
3.0211	15.0341	1.46314	6.33731	1.46291	-0.00023
10.9352	15.0344	1.80793	6.90195	1.80802	0.00009
19.0970	15.0364	2.18757	7.47333	2.18758	0.00001
27.0544	15.0367	2.57685	8.01667	2.57688	0.00003
-1.0230	35.0063	2.81652	8.33608	2.81659	0.00007
6.9590	35.0067	3.52512	9.20822	3.52528	0.00016
15.0707	35.0065	4.29906	10.07323	4.29895	-0.00011
23.0306	35.0069	5.10277	10.89814	5.10262	-0.00015
31.0941	34.9819	5.94942	11.70357	5.94951	0.00009

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

Conductivity = $(af^m + bf^2 + c + dt) / [10(1 + \epsilon p)]$ Siemens/meter

t = temperature [deg C]; p = pressure [decibars]; δ = CTcor; ϵ = CPcor;

Residual = (instrument conductivity - bath conductivity) using a, b, c, d, m coefficients



calibration date
 ⊕ 03-23-90