

SEA436.(ON)

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: 09-Jun-93

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

GHIJ COEFFICIENTS

g = -3.81944777e+00
 h = 4.58057838e-01
 i = 2.78897785e-04
 j = 4.23132221e-06
 CPcor = -9.57e-08 (nominal)
 CTcor = 3.25e-06 (nominal)

ABCDM COEFFICIENTS

a = 1.02836109e-03
 b = 4.55947533e-01
 c = -3.81292508e+00
 d = 5.06760328e-04
 m = 2.7
 CPcor = -9.57e-08 (nominal)

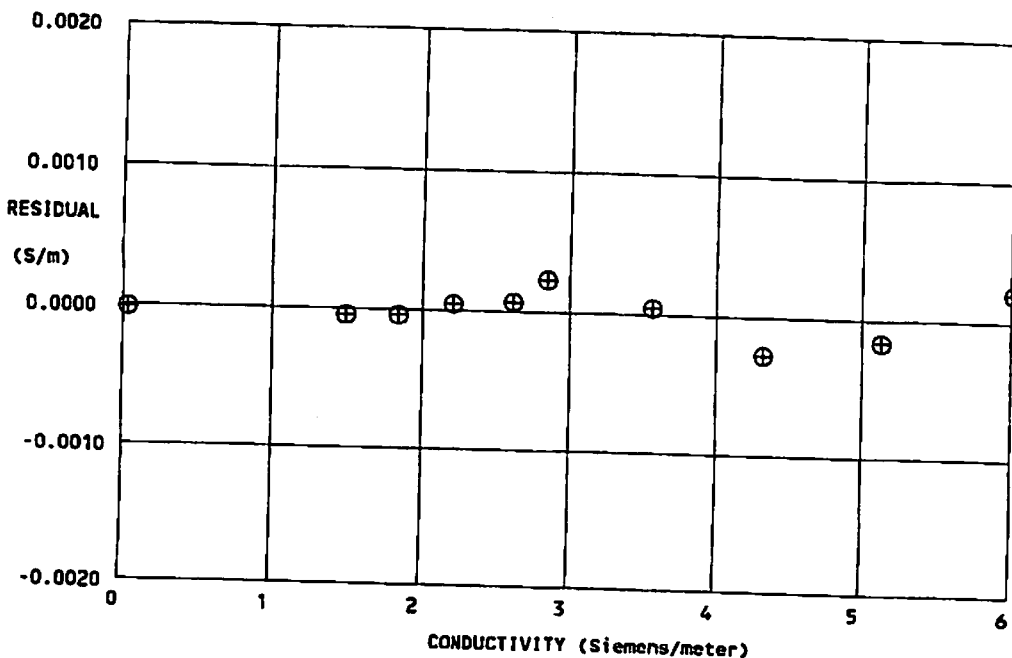
BATH TEMP (IPTS-68 °C)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREQ (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.88492	-0.00002	-0.00002
2.9434	15.0276	1.45930	6.32737	1.45925	-0.00005
10.9929	15.0276	1.80978	6.90122	1.80973	-0.00005
18.9698	15.0276	2.18033	7.45988	2.18037	0.00004
27.2839	15.0276	2.58689	8.02780	2.58695	0.00006
-1.0517	35.0619	2.81812	8.33578	2.81834	0.00022
6.9651	35.0623	3.53072	9.21340	3.53076	0.00004
14.9531	35.0627	4.29365	10.06770	4.29337	-0.00028
22.9421	35.0627	5.10084	10.89866	5.10067	-0.00017
31.3382	35.0623	5.98780	11.74368	5.98800	0.00020

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
 ⊕ 09-Jun-93