



Sea-Bird GmbH
 Postfach 1167
 87401 Kempten
 Germany

+49 831 9 60994 701
 seabird.eu@seabird.com
 www.seabird.com

SENSOR SERIAL NUMBER: 3598
 CALIBRATION DATE: 22-Dec-20

SBE 4 CONDUCTIVITY CALIBRATION DATA
 PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.00031119e+001
 h = 1.54249170e+000
 i = -1.82946249e-003
 j = 2.43165275e-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)
0.0000	0.0000	0.00000	2.54912	0.00000	0.00000
-1.0000	34.6121	2.78966	4.96185	2.78969	0.00003
1.0000	34.6131	2.96025	5.07214	2.96021	-0.00004
15.0000	34.6136	4.24937	5.83848	4.24935	-0.00002
18.5000	34.6125	4.59424	6.02688	4.59429	0.00004
29.0000	34.6080	5.67203	6.58046	5.67199	-0.00004
32.5000	34.5977	6.04217	6.76003	6.04219	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

