



Sea-Bird GmbH
 Postfach 1167
 87401 Kempten
 Germany

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

SENSOR SERIAL NUMBER: 2039
 CALIBRATION DATE: 26-May-21

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

COEFFICIENTS:

g = -1.03659083e+001
 h = 1.26892570e+000
 i = 5.01577720e-004
 j = 2.41523824e-005

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	2.85632	0.00000	0.00000
-1.0000	34.8840	2.80952	5.49790	2.80952	0.00000
0.9999	34.8847	2.98124	5.61910	2.98124	-0.00000
14.9999	34.8864	4.27929	6.46176	4.27927	-0.00003
18.4999	34.8858	4.62658	6.66912	4.62661	0.00003
28.9999	34.8830	5.71200	7.27886	5.71199	-0.00001
32.4996	34.8631	6.08318	7.47591	6.08319	0.00001

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

