Sea-Bird Scientific
13431 NE 20th Street
Bellevue, WA 98005
USA

+1 425-643-9866
seabird@seabird.com
www.seabird.com

SENSOR SERIAL NUMBER: 1805
CALIBRATION DATE: 04-May-21

SBE 37 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -9.816144e-001
h =  1.398238e-001
i = -3.340386e-004
j =  5.422820e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.1929e-006
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BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2654.36	0.00000	0.00000
1.0000	34.6409	2.96240	5315.69	2.96245	0.00005
4.4999	34.6222	3.26820	5516.86	3.26815	-0.00006
15.0000	34.5815	4.24585	6114.79	4.24582	-0.00002
18.5000	34.5739	4.58967	6311.21	4.58968	0.00001
24.0000	34.5664	5.14555	6615.99	5.14559	0.00005
29.0000	34.5638	5.66560	6888.36	5.66557	-0.00003
32.5001	34.5637	6.03691	7075.94	6.03644	-0.00047

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \varepsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity