



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

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

SENSOR SERIAL NUMBER: 6629
CALIBRATION DATE: 31-Mar-23

SBE 16plus V2 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.051864e+000
h = 1.462469e-001
i = -2.710570e-004
j = 4.026879e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006

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	2685.88	0.0000	0.00000
1.0000	34.5600	2.95614	5240.69	2.9561	0.00000
4.5000	34.5405	3.26126	5435.95	3.2612	-0.00001
15.0000	34.4978	4.23665	6017.13	4.2367	0.00001
18.4999	34.4890	4.57960	6208.30	4.5796	0.00001
24.0000	34.4792	5.13399	6505.16	5.1340	-0.00001
29.0000	34.4730	5.65238	6770.69	5.6524	-0.00001
32.5000	34.4676	6.02202	6953.65	6.0220	0.00001

f = Instrument Output (Hz) / 1000.0

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

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

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

