Sea-Bird Scientific 13431 NE 20th Street Bellevue, WA 98005 USA +1 425-643-9866 seabird@seabird.com www.seabird.com

SENSOR SERIAL NUMBER: 4425 CALIBRATION DATE: 08-Jan-21 SBE 16plus TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.220339e-003 a1 = 2.672552e-004 a2 = -8.865597e-007 a3 = 1.799385e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
0.9999	686154.400	1.0000	0.0001
4.5000	611959.600	4.4998	-0.0002
15.0000	425194.300	15.0004	0.0004
18.4999	374455.000	18.4997	-0.0002
23.9999	305177.200	23.9996	-0.0003
29.0000	252159.600	29.0003	0.0003
32.5001	220037.100	32.5000	-0.0001

n = Instrument Output (counts)

MV = (n - 524288) / 1.6e + 007

R = (MV * 2.900e + 0.09 + 1.024e + 0.08) / (2.048e + 0.04 - MV * 2.0e + 0.05)

Temperature ITS-90 (°C) = $1/{a0 + a1[ln(R)] + a2[ln^2(R)] + a3[ln^3(R)]} - 273.15$

Residual ($^{\circ}$ C) = instrument temperature - bath temperature

