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SENSOR SERIAL NUMBER: 2323 SBE 63 OXYGEN TEMPERATURE CALIBRATION DATA CALIBRATION DATE: 28-Jan-22 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

TA0 = 6.896936e-004 TA2 = 3.226715e-007 TA1 = 2.549446e-004 TA3 = 1.120068e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT(V)	(° C)	(° C)
2.0000	1.11611	2.0000	-0.00000
2.0000	1.11611	2.0000	-0.00000
2.0001	1.11610	2.0003	0.00020
2.0001	1.11611	2.0000	-0.00010
6.0000	0.99200	5.9999	-0.00005
6.0000	0.99200	5.9999	-0.00005
6.0000	0.99200	5.9999	-0.00005
6.0000	0.99200	5.9999	-0.00005
11.9999	0.82635	12.0000	0.00009
11.9999	0.82635	12.0000	0.00009
11.9999	0.82635	12.0000	0.00009
12.0001	0.82635	12.0000	-0.00011
20.0000	0.64302	20.0000	0.00004
20.0000	0.64302	20.0000	0.00004
20.0000	0.64302	20.0000	0.00004
20.0001	0.64302	20.0000	-0.00006
25.9999	0.53130	25.9997	-0.00025
26.0000	0.53129	26.0002	0.00024
26.0000	0.53130	25.9997	-0.00035
26.0001	0.53129	26.0002	0.00014
29.9999	0.46766	29.9997	-0.00021
30.0000	0.46765	30.0004	0.00036
30.0000	0.46766	29.9997	-0.00031
30.0001	0.46765	30.0004	0.00026

V = Instrument Output (Volts)

L = ln (100000 * V / (3.3 - V))

Temperature ITS-90 (°C) = $1 / (TA0 + (TA1 * L) + (TA2 * L^2) + (TA3 * L^3)) - 273.15$

