

Temperature Calibration Report

STS/ODF Calibration Facility

SENSOR SERIAL NUMBER: 4061
 CALIBRATION DATE: 07-Dec-2016
 Mfg: SEABIRD Model: 03
 Previous cal: 06-Apr-16
 Calibration Tech: CAL

ITS-90_COEFFICIENTS	IPTS-68_COEFFICIENTS ITS-T90	
g = 4.28672064E-3	a = 4.28689600E-3	
h = 6.39411738E-4	b = 6.39616122E-4	
i = 2.23538234E-5	c = 2.23860298E-5	
j = 1.89971801E-6	d = 1.90126725E-6	
f0 = 1000.0	Slope = 1.0	Offset = 0.0

Calibration Standard: Mfg: Isotech Model: MicroK100 s/n: 291088-2

Temperature ITS-90 = $1/[g+h[\ln(f_0/f)]+i[\ln^2(f_0/f)]+j[\ln^3(f_0/f)]] - 273.15$ (°C)

Temperature IPTS-68 = $1/[a+b[\ln(f_0/f)]+c[\ln^2(f_0/f)]+d[\ln^3(f_0/f)]] - 273.15$ (°C)

T68 = 1.00024 * T90 (-2 to -35 Deg C)

SBE3 Freq	SPRT ITS-T90	SBE3 ITS-T90	SPRT-SBE3 OLD Coefs	SPRT-SBE3 NEW Coefs
2663.4499	-1.4113	-1.4112	-0.00104	-0.00009
2816.8273	1.0930	1.0929	-0.00053	0.00008
3042.2274	4.5991	4.5991	-0.00022	0.00005
3280.4657	8.1067	8.1066	0.00002	0.00005
3531.9204	11.6156	11.6156	0.00014	0.00002
3796.2147	15.1163	15.1164	0.00001	-0.00017
4075.1719	18.6286	18.6286	0.00021	0.00002
4367.8381	22.1353	22.1354	0.00008	-0.00008
4675.3359	25.6466	25.6466	0.00017	0.00006
4997.3185	29.1547	29.1545	0.00026	0.00021
5334.7244	32.6661	32.6662	-0.00014	-0.00014

