

Temperature Calibration Report

STS/ODF Calibration Facility

SENSOR SERIAL NUMBER: 4060
 CALIBRATION DATE: 06-Apr-2016
 Mfg: SEABIRD Model: 03
 Previous cal: 21-Jul-15
 Calibration Tech: CAL

ITS-90_COEFFICIENTS	IPTS-68_COEFFICIENTS ITS-T90	
g = 4.36379034E-3	a = 4.36399074E-3	
h = 6.38960277E-4	b = 6.39170661E-4	
i = 2.18630518E-5	c = 2.18951139E-5	
j = 1.72533362E-6	d = 1.72680329E-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
3029.8532	-1.4115	-1.4115	0.00033	0.00008
3205.5915	1.0924	1.0925	0.00022	-0.00007
3463.9565	4.5986	4.5987	0.00022	-0.00007
3737.1250	8.1058	8.1058	0.00023	-0.00001
4025.5815	11.6146	11.6145	0.00025	0.00007
4328.9084	15.1153	15.1153	0.00019	0.00007
4649.0931	18.6263	18.6262	0.00011	0.00005
4985.4233	22.1347	22.1347	0.00000	-0.00006
5338.6969	25.6450	25.6452	-0.00009	-0.00021
5708.8128	29.1532	29.1530	0.00046	0.00020
6096.7349	32.6638	32.6639	0.00045	-0.00004

