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SENSOR SERIAL NUMBER: 6353
 CALIBRATION DATE: 22-Aug-09

SBE19plus TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.274545e-003
 a1 = 2.616013e-004
 a2 = -4.172347e-007
 a3 = 1.547694e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT(n)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	647455.780	1.0000	0.0000
4.5000	574638.119	4.5000	-0.0000
15.0000	393514.441	15.0000	0.0000
18.5000	344865.492	18.5000	0.0000
24.0000	278880.424	23.9999	-0.0001
29.0000	228738.864	29.0001	0.0001
32.5000	198510.390	32.5000	-0.0000

$$MV = (n - 524288) / .6e+007$$

$$R = (MV * 2.900e+009 + 1.024e+008) / (2.048e+004 - MV * 2.0e+005)$$

$$\text{Temperature ITS-90} = 1 / \{a_0 + a_1[\ln(R)] + a_2[\ln^2(R)] + a_3[\ln^3(R)]\} - 273.15 \text{ (}^\circ\text{C)}$$

$$\text{Residual} = \text{instrument temperature} - \text{bath temperature}$$

Date, Delta T (mdeg C)

● 22-Aug-09 -0.00

