

### **Restrained ADOS A Thermistor Chain Survivability**

The information relating to sensor node survivability presented below is current as of August 27, 2009.

2\_0950 (Chain 5) – sensor node 3<sup>1</sup> failed after 650<sup>2</sup> cycles.

8\_8760 (Chain 6) – sensor node 10 failed upon deployment; sensor node 17 reported 16.6 dbar permanent offset beginning at 2801 cycles.

5\_4590 (Chain 7) – all sensor nodes, except sensor node numbers 1 and 9, failed after 4464 cycles.

9\_1770 (Chain 8) – all sensor nodes are functioning properly.

10\_0780 (Chain 9) – sensor nodes 5, 8, 9 and 10 failed upon deployment; sensor node 11 failed after 2604 cycles.

---

<sup>1</sup> Sensor node numbers indicate reply order and not physical placement on thermistor chain, see “About Calibration Files” for additional information.

<sup>2</sup> A cycle is equal to 90 seconds.

**Approximate Time of Failure as "daynumber"**

sec/day 86400

chain	2_0950 (chain 5)
deploy	226.2244397
node	3
event	failure
cycles	650
days	0.677083333
fail day	226.901523

chain	8_8760 (chain 6)
deploy	226.1349256
node	17
event	press offset
cycles	2801
days	2.917708333
fail day	229.0526339

chain	5_4590 (chain 7)
deploy	226.0892889
node	all except 1 & 9
event	failure
cycles	4464
days	4.65
fail day	230.7392889

chain	10_0780
deploy	225.9935132
node	5, 8, 9, 10
event	failure
cycles	0
days	0
fail day	225.9935132

chain	10_0780
deploy	225.9935132
node	11
event	failure
cycles	2604
days	2.7125
fail day	228.7060132