

**KEEVIL AIRFIELD 10K Verification measurement - 5 April 2008**

Verification of measurement SEAA 05/125

**Calibration at Long Tow Abingdon**

	695.25 m						
	4 April 2008 at 18:30 temp=14C		diff. counts	5 April 2008 at 18:30 temp=7C			diff. counts
Ride 1	33944.2	41511	7566.8	Ride 1	75619	83188.5	7569.5
Ride 2	41511	49079.3	7568.3	Ride 2	83188.5	90761	7572.5
Ride 3	49079.3	56647	7567.7	Ride 3	90761	98331.3	7570.3
Ride 4	56647	64215.8	7568.8	Ride 4	98331.3	5903.3	7572
		average	7567.9			average	7571.08
			10895.97	cts/km			10900.54

The above calibrations were just used as a check on the Keevil Airfield calibrations which were used as the definitive calibrations

**Laying down Calibration course at Keevil Airfield**

	m
Tape reading	49.986
	49.993
	49.992
	49.987
	49.992
	50.000

Total 299.950

subtract end correction

6\*6.5mm -0.039 Temperature Correction for 13C = -7\*11/1,000,001  
 299.911 Length after temp correction= 299.888

**Calibration on Keevil Airfield**

	5 April 2008 at 10:00 temp=10C		diff. counts	5 April 2008 at 10:50 temp=11C			diff. counts
Ride 1	80718.5	83983.5	3265	Ride 1	53060.5	56326.5	3266
Ride 2	83983.5	87249	3265.5	Ride 2	56326.5	59591.5	3265
Ride 3	87249	90514.5	3265.5	Ride 3	59591.5	62857	3265.5
Ride 4	90514.5	93778.5	3264	Ride 4	62857	66122.5	3265.5
		average	3265			average	3265.5
			10898.29	cts/km			10899.96

Calibration constant of the day

10899.96 cts/km

**Measurement on one lap**

counts

Start line of 10k

96406

Start line after 1 lap

50863.5

Increment in counts

54457.5 distance m =

4996.1

add correction for not riding semicircle of 0.45 m radius at turning point

1.41

**Corrected 1 lap measurement by Mike Sandford (UKA Grade 1/IAAF grade A)**

**4997.5**

within permissible range

**Measurement by Stewart Little (UKA Grade 1 measurer)**

**5001.4**

within permissible range

**Measurement By Ian Trussler (trainee on first ever measurement ride)**

**5012.7**

reasonable accuracy for trainee

Permissible range (+/- 0.1%)

4995 to 5005