

TRH Pre / Post Calibrations

[TRHcalStatus.xlsx](#)

Below is the pre-project and post-project calibrations of the TRH sensors used in METCRAXII.

The table below presents the mean error, Sensor - Ref, and the minimum and maximum error.

RH was post cal was done at 13C.

TRH pre-project calibration								
			Temperature (C)			Humidity (%)		
site	dates	TRH	min value	mean error	m a x value	min value	mean error	m a x value
FAR (2m)	10/2 - 10/29	TRH008	-0.015	0.000	0.020	-1.644	-0.030	1.591
BASE (2m)	9/30 - 10/29	TRH005	-0.009	0.000	0.007	-1.395	0.026	1.519
FLOOR (2m)	10/2 - 10/29	TRH034	-0.018	0.000	0.018	-1.738	0.012	1.353
RIM (5m)	9/29 - 10/31	TRH045	-0.054	-0.002	0.029	-1.461	-0.009	1.241
RIM (10m)	9/29 - 10/30	TRH051	-0.011	0.000	0.015	-2.027	0.030	1.787
RIM (15m)	9/29 - 10/30	TRH024	-0.019	0.001	0.023	-1.748	0.013	1.163
RIM (20m)	10/2 - 10/16	TRH011	-0.024	-0.001	0.011	-1.785	0.024	1.361
RIM (20m)	10/16 - 10/30	TRH052	-0.010	0.000	0.012	-1.503	-0.028	1.472
RIM (25m)	9/29 - 10/30	TRH053	-0.018	-0.001	0.020	-1.639	-0.005	1.168
RIMUP (30m)	9/28 - 10/30	TRH068	-0.024	-0.001	0.045	-1.766	0.020	1.111
RIMUP (35m)	9/28 - 10/30	TRH017	-0.006	0.000	0.013	-1.787	-0.717	-0.717
RIMUP (40m)	9/28 - 10/30	TRH019	-0.020	0.000	0.017	-1.787	0.002	1.264
NEAR (3m)	10/3 - 10/31	TRH023	-0.015	0.000	0.023	-1.667	-0.008	1.275
NEAR (10m)	10/3 - 10/31	TRH054	-0.020	0.001	0.017	-1.564	-0.017	1.307
NEAR (15m)	10/3 - 10/31	TRH047	-0.014	0.001	0.013	-1.664	-0.011	1.200
NEAR (20m)	10/3 - 10/31	TRH064	-0.013	0.001	0.019	-1.661	-0.012	1.314
NEAR (25m)	10/3 - 10/9	TRH043	-0.032	-0.004	0.013	-1.478	-0.021	1.388
NEAR (25m)	10/9 - 10/31	TRH025	-0.016	0.001	0.024	-1.487	-0.028	1.469
NEAR (30m)	10/3 - 10/19	TRH070	-0.013	0.001	0.017	-1.870	0.016	1.306
NEARUP (30m)	10/19 - 10/31	TRH055	-0.020	0.000	0.014	-1.451	-0.025	1.250
NEARUP (35m)	10/1 - 10/31	TRH001	-0.014	0.000	0.008	-1.746	-0.011	1.235
NEARUP (40m)	10/1 - 10/31	TRH032	-0.015	0.000	0.018	-1.352	-0.026	1.252
NEARUP (45m)	10/1 - 10/31	TRH038	-0.016	0.000	0.018	-1.871	0.020	1.292
NEARUP (50m)	10/1 - 10/31	TRH042	-0.031	0.000	0.026	-1.725	0.014	1.432

Post Project Calibration Check								
			Temperature (C)			Humidity (%)		
site	dates	TRH	min value	mean error	m a x value	min value	mean error	m a x value
FAR (2m)	10/2 - 10/29	TRH008	-0.003	0.015	0.032	4.463	5.106	6.002
BASE (2m)	9/30 - 10/29	TRH005	-0.128	-0.100	-0.074	1.913	2.270	2.742
FLOOR (2m)	10/2 - 10/29	TRH034	-0.005	0.017	0.048	0.369	0.939	1.821
RIM (5m)	9/29 - 10/31	TRH045	-0.104	-0.042	-0.011	3.646	5.012	5.921
RIM (10m)	9/29 - 10/30	TRH051	-0.066	-0.052	-0.024	2.813	3.618	4.268
RIM (15m)	9/29 - 10/30	TRH024	-0.078	-0.060	-0.044	0.980	1.364	1.808
RIM (20m)	10/2 - 10/16	TRH011	-0.052	-0.036	-0.020	-1.524	-0.954	-0.004
RIM (20m)	10/16 - 10/30	TRH052	-0.068	-0.014	0.008	4.116	6.312	7.823
RIM (25m)	9/29 - 10/30	TRH053	-0.082	-0.059	-0.036	1.488	2.334	3.462
RIMUP (30m)	9/28 - 10/30	TRH068	-0.128	-0.097	-0.046	0.931	2.632	3.998
RIMUP (35m)	9/28 - 10/30	TRH017	-0.040	-0.014	0.016	4.185	4.485	4.972
RIMUP (40m)	9/28 - 10/30	TRH019	-0.009	0.004	0.014	2.091	2.235	2.355
NEAR (3m)	10/3 - 10/31	TRH023	-0.019	-0.002	0.013	3.394	3.707	4.334
NEAR (10m)	10/3 - 10/31	TRH054	-0.002	0.013	0.023	1.627	2.896	4.341
NEAR (15m)	10/3 - 10/31	TRH047	-0.006	0.013	0.028	2.092	2.378	2.655
NEAR (20m)	10/3 - 10/31	TRH064	0.007	0.030	0.069	2.751	4.215	5.663
NEAR (25m)	10/3 - 10/9	TRH043	-0.151	-0.077	-0.043	4.135	4.440	4.543
NEAR (25m)	10/9 - 10/31	TRH025	-0.011	-0.004	0.005	0.990	2.624	4.231
NEAR (30m)	10/3 - 10/19	TRH070	-0.141	-0.126	-0.104	1.914	4.066	6.174
NEARUP (30m)	10/19 - 10/31	TRH055	-0.070	-0.046	-0.012	2.332	3.000	4.279
NEARUP (35m)	10/1 - 10/31	TRH001	-0.130	-0.108	-0.077	1.816	2.789	4.315
NEARUP (40m)	10/1 - 10/31	TRH032	-0.064	-0.045	-0.028	2.820	3.630	4.537
NEARUP (45m)	10/1 - 10/31	TRH038	-0.090	-0.067	-0.040	0.370	1.992	4.001
NEARUP (50m)	10/1 - 10/31	TRH042	-0.031	0.007	0.040	-1.044	1.440	4.195