

TABLE NO. 1.—RESULTS OF MEASUREMENTS, ELLTHAM-OKAIWA BASE, TARANAKI.

No. of Section.	No. of Measurement.	No. of Tape.	Edge of Tape.	Date, 1910.	Direction.	Temperature-range.	Weather.	Individual Measurements at Sea-level and Means. (Equal Weights.)	Residuals Means of Arithmetical Means.	Probable Error of Arithmetical Means.	Remarks.	
1	1	02	B	April 5	N.-S.	Deg. Fahr. 61-68	Strong south-west wind	Links. 2284-0880	Links. -0015	Links. ..	Level and broken. Steepest grade, 24° 39' 54".	
	2	03	B	"	N.-S.	61-68	"	2284-0932	-0067	..		
	3	02	A	April 6	S.-N.	61-68	Moderate south-west wind	2284-0827	+0038	..		
	4	03	A	"	S.-N.	61-67	"	2284-0823	+0042	..		
								.3462				
								2284-0865	..	± .0017	1 in 1,343,580.	
2	1	02	B	April 1, 2	N.-S.	61-68	Light south-east breeze	7999-8235	+0157	..	Nearly level, good chaining ground. Steepest grade, 1° 13' 22".	
	2	03	B	"	N.-S.	61-68	"	7999-8582	-0190	..		
	3	02	A	April 6, 7, 8	S.-N.	56-78	6th, south-west wind; 7th, fine calm;	7999-8416	-0024	..		
	4	03	A	"	S.-N.	55-77	8th, fairly calm	7999-8335	+0057	..		
								.33568				
								7999-8392	..	± .0049	1 in 1,632,620.	
3	1	02	B	April 13, 18, 19	N.-S.	58-68	(Wind stopped work on 13th; 18th, light westerly winds; 19th, strong winds with showers)	7624-9761	+0137	..	Broken ground. Steepest grade, 17° 12' 28".	
	2	03	B	"	N.-S.	54-67		7624-9969	-0071	..		
	3	02	A	April 9, 11, 13	S.-N.	56-79		7624-9930	-0032	..		
	4	03	A	"	S.-N.	55-80		7624-9932	-0034	..		
								.39592				
								7624-9898	..	± .0031	1 in 2,459,717.	
4	1	02	B	April 21, 22	N.-S.	55-66	Calm and at times light wind	6481-2583	+0090	..	Level to broken. Steepest grade, 10° 08' 40".	
	2	03	B	"	N.-S.	54-66	"	6481-2543	+0130	..		
	3	02	A	April 20, 21	S.-N.	58-69	20th, south-east wind; 21st, calm and light wind	6481-2800	-0127	..		
	4	03	A	"	S.-N.	58-75	"	6481-2765	-0092	..		
								.10691				
								6481-2673	..	± .0043	1 in 1,507,300.	
5	1	02	B	April 27, 28]	N.-S.	53-61	27th, south-east breeze; 28th, light	6136-9603	+0105	..	Undulating, level, and broken. Steepest grade, 22° 09' 48".	
	2	03	B	"	N.-S.	53-61	south-east wind	6136-9653	+0055	..		
	3	02	A	April 28, 29]	S.-N.	49-66	28th, light south-east wind	6136-9766	-0058	..		
	4	03	A	"	S.-N.	48-68	south-east wind	6136-9810	-0102	..		
								.38832				
								6136-9708	..	± .0032	1 in 1,917,842.	