

TABLE NO. 1.—RESULTS OF MEASUREMENTS, KAINGAROA PLAINS BASE, AUCKLAND—continued.

Name of Line.	No. of Section.	No. of Subsection.	No. of Measurement.	No. of Tape.	Edge of Tape.	Date.	Direction of Measurement.	Temperature Range: Deg. Fahr.	Weather.	Individual Sections: Measurements at Sea-level.	Weights.	Weighted Means.	Residuals.	Probable Error of Means.	Remarks.					
bb—IX	..	8d	1	02	B	1913. April 14	S.W.	50-61	Fine	Links. 2086-3342	1	2086-3342	Links. -0157	Links. ..	Broken and steep. Steepest grade, 35° 49' 38".					
			3	03	B	"	S.W.	50-59	"	2086-3313	1	2086-3313	-0128							
			3	02	A	April 16	N.E.	56-66	Fine, calm	2086-3017	1	2086-3017	+0168							
			4	03	A	"	N.E.	58-66	"	2086-3067	1	2086-3067	+0118							
VIII—IX	..	8				..	..	..	..	..	4	12739	Links. ..	± -00562	1 in 820,488.					
											..	2086-3185								
											..	7966-9420								
IX—w	..	9a	1	02	B	1913. April 2, 3	S.W.	59-68	April 2nd, fine; April 3rd, fair, with S.W. wind Fine, calm " " " "	3292-2308	1	3292-2308	Links. -0054	Links. ..	Broken and fairly steep. Steepest grade, 10° 06' 24".					
			2	03	B	"	S.W.	60-67		3292-2249	1	3292-2249	+0005							
			3	02	A	April 2	N.E.	67-72		3292-2265	1	3292-2265	-0011							
			4	03	A	"	N.E.	66-70		3292-2193	1	3292-2193	+0061							
w—XLVI	..	9b				April 3, 10	S.W.	58-65	April 3, fair, with S.W. wind; 10th, fine, with light S.E. wind April 1, fine, calm " " " "	3129-4924	1	3129-4924	Links. +0015	Links. ..	Mostly broken, with some steep ground. Steepest grade, 23° 16' 57".					
			2	03	B	"	S.W.	58-66		3129-4902	1	3129-4902	+0037							
			3	02	A	April 1	N.E.	60-70		3129-4957	1	3129-4957	-0018							
			4	03	A	"	N.E.	60-70		3129-4975	1	3129-4975	-0036							
IX—XLVI (34)	9	..				..	..	..	..	..	4	19758	Links. ..	± -00110	1 in 3,310,164.					
											..	3129-4939								
											..	6421-7193								
															91198-8298			Links. ..	± -0146736	1 in 6,216,689.

NOTE.—Section 8 is the most difficult of all the sections in the five bases so far measured, but taking the four measurements of the whole section the probable error of the mean is only ± .00243 = 1 in 3,278,579.