

TABLE No. 1.—RESULTS OF MEASUREMENT, WAIRAKAPA BASE, WELLINGTON—continued.

No. of Section.	No. of Measurements.	No. of Tape.	Date, 1903.	Direction.	Temperature range.	Weather.	Individual Measurements.	Weights.	Weighted Means.	Residuals (Weighted Means Measurements).	Reduction to Sea-level.	Length at Sea-level.	Probable Error.	Remarks.		
9	1	02/B	May 8-17	N.-S.	51-66	Slight wind	7251-8340	1	7251-8340	-0120	0-0732	7251-7488	± 0-0050	The greater part of this section is irregular, with steep rising and falling grades, in some cases approaching 15° of inclination. The results show that even with such inclinations, good work can be done if sufficient care is taken, chiefly with the vertical angles. See also Fig. 4 for the computed value of this section. As far as can be ascertained, the grades on this section are the steepest that have been measured on any base of this nature.		
	2	03/B		N.-S.	51-66	fair	7251-8308	1	7251-8308	-0088						
	3	02/A	May 17-21	S.-N.	49-62	Ditto	7251-8224	1	7251-8224	-0004						
	4	03/A		S.-N.	49-63	"	7251-8009	1	7251-8009	+0211						
									4	3-2881						
										7251-8220	..	0-0732	7251-7488	± 0-0050		
									..	64777-1728	..	0-5156	64776-6572	± 0-0219		
									Sum of weighted means of sections			..				
* 1	1	02/B	May 25-27	Going S.W.	48-62	Fair, with slight wind	11463-7571	1	11463-7571	-02555	0-04384	11463-6877	± 0-0091	The greater part of this section is irregular, with steep rising and falling grades, in some cases approaching 15° of inclination. The results show that even with such inclinations, good work can be done if sufficient care is taken, chiefly with the vertical angles. See also Fig. 4 for the computed value of this section. As far as can be ascertained, the grades on this section are the steepest that have been measured on any base of this nature.		
	2	03/B	"	Ditto	47-62	"	11463-7521	1	11463-7521	-02055						
	3	02/A		May 27-29	Going N.E.	43-65	"	11463-7032	1	11463-7032					+02835	
	4	03/A	"	Ditto	43-65	"	11463-7138	1	11463-7138	+01775						
									4	45854-9262						
										11463-73155	..	0-04384	11463-6877	± 0-0091		

\* Auxiliary base.