

No. 4.—	H. M. S.	
10 „ 37 „ 33.500		Wellington time of receiving Sydney signals.
9 „ 13.269		Correction for Wellington time.
10 „ 46 „ 46.769		
9 „ 12 „ 30.107		Sydney time of sending.
1 „ 34 „ 16.662		Longitude.
No. 5.—		
10 „ 50 „ 46.344		Wellington time of receiving Sydney signals.
9 „ 13.269		Correction for Wellington time.
10 „ 59 „ 59.613		
9 „ 25 „ 42.842		Sydney time of sending.
1 „ 34 „ 16.771		Longitude.
No. 6.—		
11 „ 3 „ 59.081		Wellington time of receiving Sydney signals.
9 „ 13.269		Correction for Wellington time.
11 „ 13 „ 12.350		
9 „ 38 „ 55.658		Sydney time of sending.
1 „ 34 „ 16.692		Longitude.
No. 7.—		
11 „ 16 „ 41.833		Wellington time of receiving Sydney signals.
9 „ 13.269		Correction for Wellington time.
11 „ 25 „ 55.102		
9 „ 51 „ 38.555		Sydney time of sending.
1 „ 34 „ 16.547		Longitude.
No. 8.—		
11 „ 28 „ 32.550		Wellington time of receiving Sydney signals.
9 „ 13.269		Correction for Wellington time.
11 „ 37 „ 45.819		
10 „ 3 „ 29.092		Sydney time of sending.
1 „ 34 „ 16.727		Longitude.

Sydney Observatory, 26th March, 1876.

H. C. RUSSELL,
Government Astronomer.*Results of Longitude Signals, Wellington, New Zealand, to Sydney, New South Wales.*

No. of Series.	Time.
2	1 „ 34 „ 15.281
3	1 „ 34 „ 15.340
4	1 „ 34 „ 15.333
5	1 „ 34 „ 15.388
6	1 „ 34 „ 15.403
7	1 „ 34 „ 15.401
8	1 „ 34 „ 15.349
	1 „ 34 „ 15.3500 Mean Time.

Results of Longitude Signals, Sydney, New South Wales, to New Zealand (Wellington).

No. of Series.	Time.
1	1 „ 34 „ 16.589
2	1 „ 34 „ 16.573
3	1 „ 34 „ 16.557
4	1 „ 34 „ 16.662
5	1 „ 34 „ 16.771
6	1 „ 34 „ 16.692
7	1 „ 34 „ 16.547
8	1 „ 34 „ 16.727
	1 „ 34 „ 16.6398 Mean time.
New Zealand to Sydney	... 1 „ 34 „ 15.3500
Mean of both	... 3 „ 8 „ 31.9898
	... 1 „ 34 „ 15.9949 Longitude.

Sydney Observatory, 26th March, 1876.

H. C. RUSSELL,
Government Astronomer.