TABLE II

| Station | Longitude | Latitude | Altitude | Computed g at sea level | Corrections: Free air | Corrections: Bouguer | Corrections: Faye | Observed Gravity | Anomalies: Free air | Anomalies: Bouguer | Anomalies: Faye |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | h. m. s. | ° ′ ″ | metres | dynes. | dynes. | dynes. | dynes. | dynes. | dynes. | dynes. | dynes. |
| Ottawa | 5 04 52 | 45 23 39 | 84 | 980·651 | −·026 | −·014 | −·031 | 980·615 | −·010 | −·020 | −·003 |
| Maniwaki | 5 03 55 | 46 22 2[illegible] | 169 | 980·749 | −·052 | −·093 | ·058 | 980·685 | −·003 | −·022 | +·003 |
| Kingston | 5 05 52 | 44 14 37 | 79 | 980·517 | ·024 | −·015 | −·024 | 980·527 | +·004 | −·005 | +·004 |
| Roberval | 4 48 54 | 48 30 54 | 107 | 980·993 | −·033 | −·024 | −·063 | 980·867 | −·035 | −·017 | −·003 |
| Tadoussac | 4 38 52 | 48 08 25 | 1[illegible] | 980·980 | −·004 | −·002 | +·027 | 980·901 | +·005 | +·003 | −·026 |
| Portneuf | 4 47 [illegible] | 46 42 32 | 59 | 980·776 | −·018 | −·014 | −·014 | 980·760 | +·008 | +·004 | +·004 |
| St. Jérôme | 4 52 28 | 45 46 34 | 107 | 980·686 | −·035 | −·024 | −·033 | 980·678 | +·025 | +·013 | +·025 |
| Ste. Anne-de-Bellevue | 4 55 48 | 45 24 27 | 34 | 980·655 | −·010 | −·006 | −·012 | 980·660 | +·017 | +·013 | +·019 |
| Mattawa | 5 14 47 | 46 48 44 | 170 | 980·724 | −·052 | −·033 | −·069 | 980·617 | −·035 | −·054 | −·018 |
| Liskeard | 5 18 50 | 47 30 34 | 194 | 980·843 | −·060 | −·037 | −·063 | 980·785 | +·002 | −·021 | +·005 |
| Cochrane | 5 21 05 | 49 03 44 | 277 | 980·985 | −·085 | −·054 | −·089 | 980·880 | −·018 | −·050 | −·014 |
| Sault Ste. Marie | 5 37 18 | 46 30 26 | 186 | 980·752 | −·057 | −·036 | −·067 | 980·677 | −·018 | −·039 | −·008 |
| Chapleau | 5 33 36 | 47 50 27 | 430 | 980·872 | −·133 | −·083 | −·126 | 980·760 | +·024 | −·026 | +·017 |
| Port Arthur | 5 56 52 | 48 26 00 | 189 | 980·926 | −·058 | −·036 | −·074 | 980·817 | −·054 | −·073 | −·035 |
| Rose Point | 5 26 10 | 45 19 02 | 183 | 980·644 | −·056 | −·035 | −·052 | 980·603 | +·015 | −·006 | +·011 |
| Whitby | 5 45 46 | 43 52 43 | 84 | 980·514 | −·026 | −·016 | −·030 | 980·458 | −·030 | −·040 | −·026 |
| Woodstock | 5 23 07 | 43 08 33 | 299 | 980·448 | −·093 | −·060 | −·093 | 980·349 | −·006 | −·039 | −·006 |
| Windsor | 5 32 10 | 42 19 46 | 178 | 980·373 | −·055 | −·034 | −·051 | 980·338 | +·020 | −·001 | +·016 |
| | | | | | | | Indiscriminate mean | | ·018 | ·027 | ·014 |
| | | | | | | | Algebraic mean | | −·005 | −·022 | −·002 |

TABLE III

COMPARISON OF OBSERVED GRAVITY, OTTAWA, 1902 AND 1914

| Station | Latitude | Diff. of Latitude | Altitude | Diff. of Altitude | Observed Gravity | 1902 Station to 1914 Station: Corrections for Latitude | 1902 Station to 1914 Station: Corrections for Altitude | Gravity at 1914 Station |
|---|---|---|---|---|---|---|---|---|
| | ° ′ ″ | ′ ″ | metres | metres | dynes | dynes | dynes | dynes |
| Ottawa (1902) | 45 25 23 | 1 44 | 73 | ..... | 980·607 | −·003 | −·003 | 980·601 |
| Ottawa (1914) | 45 23 39 | ... | 83 | 10 | 980·615 | ..... | ... | 980·615 |
| | | | | | | | Difference | ·014 |