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Australian and Soviet Gravity Surveys Along the Australian Calibration Line

by

P. WELLMAN*, YU. D. BOULANGER**, B. C. BARLOW*, S. N. SHCHEGLOV**,
AND D. A. COUTTS*

* Bureau of Mineral Resources, Geology and Geophysics, Canberra, Australia.

** Geodesy and Cartography Survey, Moscow, USSR.



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SUMMARY

The Australian Calibration Line (ACL), with a total gravity interval of 3 Gal, was established during 1970 between Laiagam in Papua New Guinea and Hobart in Tasmania. During 1973 the Australian Bureau of Mineral Resources and the USSR Geodesy and Cartography Survey made joint observations along the full length of the ACL. Measurements made with eight Soviet GAG-2 gravity meters established a gravity scale for Australia to an accuracy of 2.5 parts in 10^5 . This scale and a datum of 979 671.86 mGal for Sydney A were adopted for Australia in 1973.

The Soviet scale established for the ACL appears to be within 1 part in 10^4 of both the IGSN71 scale established for the Western Pacific Calibration Line by absolute determinations, pendulum measurements and international gravity meter comparisons, and the scale established for the Soviet Calibration Line by OVM pendulums. The Soviet scale for the ACL defines a milligal which is 1.5 parts in 10^4 larger than that defined by IGSN71 values for the ACL, and 5 parts in 10^4 larger than the 1965 Mean Australian Milligal, that was used as an Australian milligal standard between 1965 and 1973. Both of these scales are partly based on Cambridge pendulum measurements made in Australia during 1950-51. These measurements are now thought to have been incorrect in scale.

LaCoste & Romberg gravity meters have been used during six surveys along the whole or part of the ACL. The LaCoste observations have been reduced using the Soviet ACL scale and the new datum for Sydney A. The most probable values for airport gravity stations, calculated from the LaCoste results, have a precision of better than 0.01 mGal and are consistent to within experimental error with values calculated from the GAG-2 results. LaCoste observations reduced using the Soviet ACL scale give more accurate values for the gravity differences of the main intra-city ties and calibration ranges along the ACL.

RESUME

La ligne de Calibration australienne (Australian Calibration Line, ACL) avec un intervalle de gravité totale de 3 Gal a été établie en 1970 entre Laiagam en Papouasie Nouvelle Guinée et Hobart en Tasmanie. En 1973 le Bureau Australien des Ressources Minérales (Australian Bureau of Mineral Resources) et le Service Soviétique de Géodésie et de Cartographie se sont livrés ensemble à des observations sur toute l'étendue de l'ACL. Les mesures effectuées avec huit gravimètres soviétiques GAG-2 ont établi pour l'Australie une échelle de gravité avec une précision de 2,5 cent millièmes. Cette échelle et une valeur de 979 671,86 mGal pour Sydney A ont été adoptée pour l'Australie en 1973.

L'échelle soviétique établie pour l'ACL s'avère être identique à environ dix millième près à l'échelle IGSN71 l'établie par déterminations absolues, mesures pendulaires et comparaisons gravimétriques internationales pour la ligne de Calibration du Pacifique occidental et aussi à l'échelle établie par pendules OVM pour la ligne de Calibration soviétique. L'échelle soviétique pour l'ACL définit un milligal qui est 1,5 dix millième fois plus grand que celui défini pour l'ACL par les valeurs IGSN71, et 5 dix millième de fois plus grand que le Mean Milligal Australien, lequel était utilisé comme le milligal étalon australien entre 1965 et 1973.

Ces deux échelles reposent en partie sur des mesures pendulaires de Cambridge effectuées en Australie en 1950-51. On considère maintenant comme incorrecte l'unité de ces mesures.

Les gravimètres La Coste et Romberg ont été utilisés au cours de six relevés effectués sur toute la longueur ou sur des parties de l'ACL. Les observations La Coste ont été réduites en utilisant l'échelle soviétique ACL et la nouvelle donnée pour Sydney A. Les valeurs de gravité les plus probables pour les stations de gravité dans les aéroports, calculées d'après les résultats La Coste ont une précision de plus de 0,01 mGal et sont conformes, compte tenu d'erreurs expérimentales, aux valeurs calculées d'après les résultats GAG-2. Les observations La Coste réduites en utilisant l'échelle soviétique ACL donnent des valeurs plus précises pour les différences de gravité des principales connections inter-urbaines et les écarts de calibration le long de l'ACL.

Аннотация

Австралийская калибровочная линия (АКЛ) с общим интервалом силы тяжести порядка 3 гал была создана в 1970 г. г. Лайагама (Папуа, Новая Гвинея) и г.Хобарт (Тасмания). В 1973 г. Австралийское бюро минеральных ресурсов и Институт физики Земли Академии наук СССР провели совместные измерения силы тяжести вдоль всей АКЛ. Измерения производились восемью советскими гравиметрами модели ГАГ-2, что дало возможность для гравиметрических съемок в Австралии установить масштаб со средней ошибкой $\pm 2,5 \times 10^{-5}$. Новое значение масштаба и величины силы тяжести $g = 979\,671,86$ мгл для исходного пункта страны «Сидней А» приняты для Австралии в 1973 г.

Советский масштаб, установленный для АКЛ, согласуется в пределах 1×10^{-4} , как для шкалы IGSN-71, принятой для Тихоокеанской калибровочной линии на основании абсолютных определений силы тяжести и международных измерений гравиметрами, так и со шкалой, установленной для советской калибровочной линии маятниками ОВМ.

Советский масштаб для АКЛ дает значение мгал на $1,5 \times 10^{-4}$ больше, чем это было установлено для Австралии системой IGSN-71 для АКЛ и на 5×10^{-4} больше среднего Австралийского мгал 1965 г., который использовался в качестве стандарта с 1965 г. по 1973 г.. Эти масштабы обоснованы на определениях маятников типа кембридж, выполненных в Австралии в 1950-51 годах. В настоящее время измерения в системе этого мгал считаются некорректными по масштабу.

Гравиметры Ла-Коста-Ромберг были использованы в 6 циклах работ, выполнявшихся вдоль всей АКЛ или ее частей. Наблюдения с этими гравиметрами были редуцированы к масштабу, полученному из измерений гравиметрами ГАГ-2 и к новому значению силы тяжести, принятого для пункта «Сидней А». Вероятнейшие значения для гравиметрических пунктов в аэропортах, вычисленные по данным гравиметров Ла-Коста-Ромберг, имеют точность лучше, чем $\pm 0,01$ мгал, и совпадают в пределах ошибок измерений с результатами, полученными гравиметрами ГАГ-2. Данные наблюдений с гравиметрами Ла-Коста-Ромберг, обработанные в системе советских гравиметров, дали несколько более точные значения разностей силы тяжести, как между основными пунктами АКЛ, так и между пунктами, связывающими АКЛ с пунктами, расположенными в городах.

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1. INTRODUCTION

Gravity surveys determine the variation in the earth's gravity field between various points on the earth's surface. Variations in the earth's gravity field can be interpreted in terms of either physical geodesy, or geological structure, and a precise knowledge of the local value of the accelerations due to gravity is necessary for standards of force.

Absolute determinations to adequate precision, in terms of the fundamental units of distance and time, are difficult and time consuming to perform, and have been made at only a dozen sites throughout the world, including Sydney. Although the acceleration due to gravity can be accurately determined at a site, subdivisions of this acceleration cannot be made in order to provide a scale. The greatest variation in gravity on the earth's surface is that related to latitude, so, in practice, a scale is established by determining the acceleration at numerous sites along a north-south line.

Most gravity determinations are made by measuring the gravity difference from an absolute site. These measurements are made with two different types of instruments. One type of instrument measures the ratio of the gravitational accelerations at the sites by measuring the absolute value of a physical quantity at each site, e.g. the period of a relative gravity pendulum apparatus or the angle of tilt of a Norgaard or GAG-2 type gravity meter. These instruments do not have to be calibrated along a gravity scale, but they measure gravity differences to a precision of only 0.5 to 0.05 mGal. The other type of instrument measures gravity differences by means of a micrometer and springs (e.g. LaCoste & Romberg gravity meters); they need to be calibrated along a gravity scale, but then measure gravity differences with a high precision of about 0.02 mGal.

In practice it is necessary to combine the results of both these types of instruments with absolute determinations in order to measure gravity values accurately over the wide range of gravity values found on a continent. Relative pendulum apparatus and tilt-type gravity meters are used to intercompare absolute gravity sites and establish gravity scales. Survey gravity meters are calibrated using this scale, and then can make fast, extensive ground surveys with good scale control and high precision.

Throughout the world gravity datum is defined by the First Order World Gravity Network (FOWGN), a set of internationally agreed gravity stations (mainly in capital cities) closely tied to absolute gravity stations and the world base station at Potsdam. Gravity scale is best defined along north-south international calibration lines—American Calibration Line, Euro-African Calibration Line, and Western Pacific Calibration Line (WPCL). The International Gravitric Commission has recently made an assessment of all international gravity measurements, and has calculated the most probable values for gravity stations (IGSN71 gravity values).

Most countries nominate a National Gravity Base Station (NGBS) to provide a datum for the country, set up a national calibration line to provide a national scale, and accurately measure the gravity difference between principal towns to provide a National Gravity Network. This ensures that gravity datum and scale are uniform over the whole country.

Australian National Gravity Network

In 1950-51 Australia established a national gravity network with Melbourne A as datum, using Cambridge pendulums to measure gravity intervals to selected sites throughout Australia. The scale adopted was that of the pendulums (Dooley et al., 1961), and the datum value adopted was Melbourne A —979 979.0 mGal (Cook, 1957). In 1962 the pendulum station values were revised using all gravity meter and pendulum results (Dooley, 1965). The scale adopted was that of the pendulum results.

During the period 1952 to 1970 numerous intertown ties were made by Australian and overseas observers using pendulums and gravity meters. However the greatest increase in the internal precision of the National Gravity Network was due to the establishment of a national calibration line (Australian Calibration

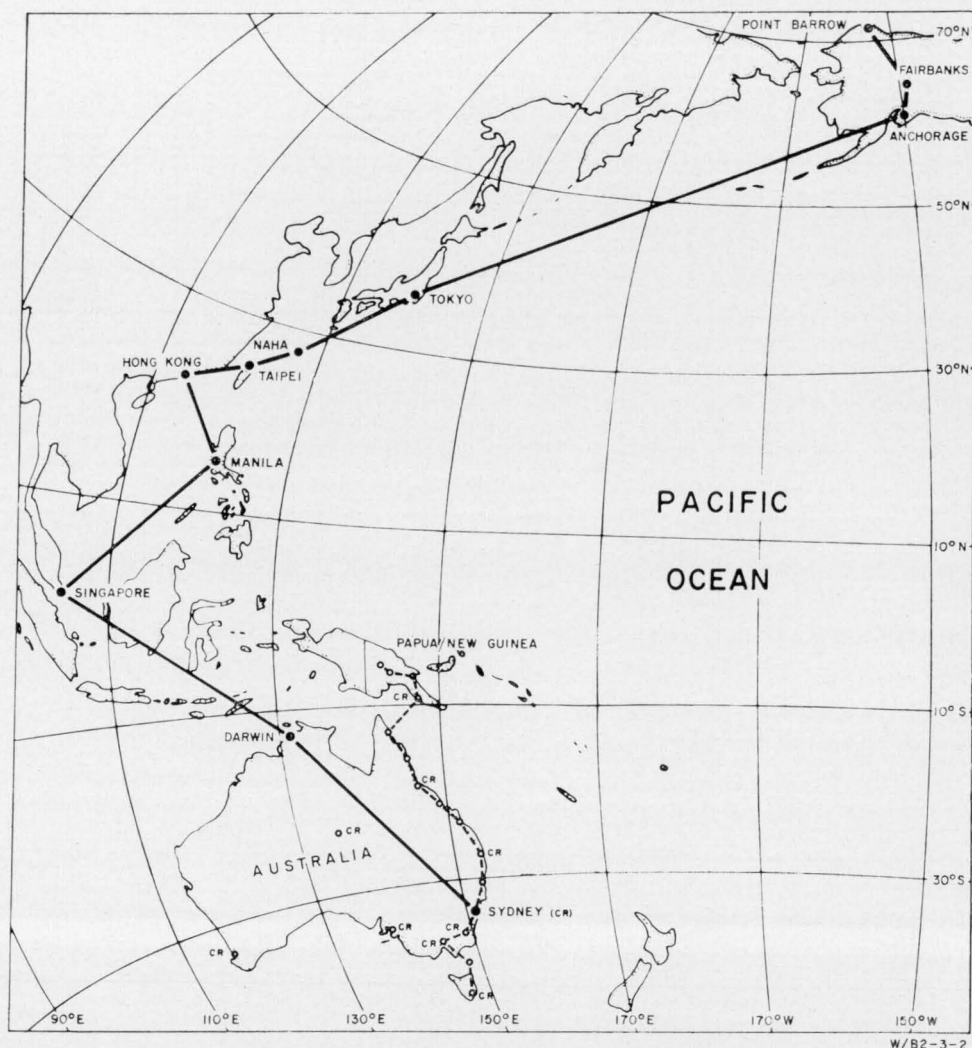


Fig. 1. The Western Pacific Calibration Line (solid line), the Australian Calibration Line (broken line), and the calibration ranges (CR).

Line) to control scale (Fig. 1), and the measurement of gravity along numerous traverses across the continent along lines of nearly equal gravity (Isogal Survey). An east coast calibration line between Cairns and Melbourne was established in 1965 by observations using five LaCoste & Romberg gravity meters of the US Air Force and BMR. BMR then adopted a 'mean Australian milligal' based on the 1962 gravity intervals Melbourne-Darwin and Melbourne-Cairns, and used this to calculate gravity station values. During 1964 to 1967 an Isogal network was established, consisting of east-west traverses of approximately equal gravity, fourteen in Australia and four in Papua New Guinea (Fig. 2). These traverses are connected by the Australian Calibration line in eastern Australia, and by less accurate north-south traverses in central and western Australia. For the east-west traverses observations were made with three dissimilar gravity meters, and full drift control was used. The Australian Calibration Line provides the scale for the network, the east-west traverses carry the values across Australia, and the other north-south traverses provide links for distribution of loop misclosures. The base station values obtained on this Isogal network are called 'May 1965 Isogal values'. The scales of quartz-type gravity meters are determined by measurements on calibration ranges (50 to 60 mGal) that have been established in capital cities (Barlow, 1967). The Isogal network and the calibration ranges were used from 1965 to 1973 to reduce gravity surveys in Australia and Papua New Guinea to common datum and scale.

In 1970 a gravity survey was carried out along eastern Australia and Papua New Guinea with three LaCoste & Romberg and six quartz gravity meters (R. J. S. Cooke, pers. comm.). This survey firmly established an Australian Calibration Line (ACL) of 3 Gal, and measured gravity values along the line to a precision of 0.035 mGal. Further strengthening of the ACL was carried out by observations along the line in 1971 with four LaCoste & Romberg gravity meters and by observations along the line in 1972 by a different gravity meter.

In 1973 a combined gravity meter survey of the ACL was carried out between the Geodesy and Cartography Survey (Moscow) with eight GAG-2 gravity meters, and the Bureau of Mineral Resources with four LaCoste & Romberg gravity meters and four Worden gravity meters (Boulanger et al., 1973). The survey established a scale to an accuracy of 2.5 parts in 10^5 , and established values for ACL stations on this scale to a relative precision of about 0.01 mGal. A new National Gravity Base Station for Australia was adopted (Sydney A = IGSN71 value of 979 671.86 mGal). The results of this survey will be used to adjust the Australian National Gravity Network.

Since 1960 the Bureau of Mineral Resources has made regional gravity surveys that are aimed at covering (by 1974) the whole of Australia at a station density of one station per 130 km². The surveys mainly used helicopter transport and barometric levelling. More detailed gravity surveys, by companies and government departments, use ground transport and spirit levelling and have a higher density of stations. In Papua New Guinea there have been several regional gravity surveys (St John, 1970; Milsom, 1973) but there are still areas of poor gravity coverage. All these gravity surveys are tied to Isogal stations, and have used gravity meters calibrated on Calibration Ranges, so the gravity values are nominally on the national datum and 1962 Australian milligal scale. The barometric heights have been reduced using spirit levelling traverses. These regional gravity data are at present being recomputed, to the Sydney A IGSN71 gravity datum, 1973 Australian gravity scale (Boulanger et al., 1973), and Australian Height Datum.



Fig. 2. The Australian National Gravity Network (Isogal Network). The lines of almost equal gravity (solid lines) are joined by calibration lines and tie lines (broken lines).

2. GRAVITY DATUM FOR AUSTRALIA

As far as possible, gravity observations within a single country should be based on a single base station and value, so that there are no changes in gravity datum within the country. Since 1950 all measurements in Australia have been made relative to the Cambridge pendulum station in Melbourne (45474 A, BMR No. 5099.9901). This station was adopted as the National Gravity Base Station in 1950, and the value of 979 979.0 mGal (Cook, 1957) was adopted in 1961 (Dooley et al., 1961). In 1973 a new National Gravity Base Station in Sydney (45331 A, BMR No. 5099.9905) and a gravity value of 979 671.86 mGal were adopted (Boulanger et al., 1973). This station is adjacent to the site of an absolute determination of gravity (Bell et al., 1973), is strongly tied to Moscow

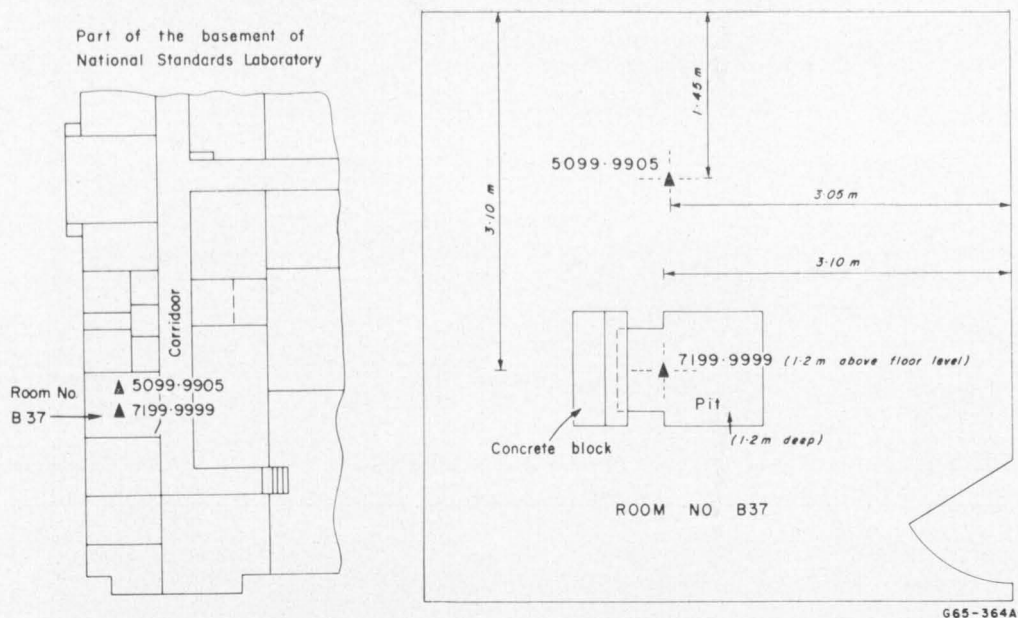


Fig. 3. Plan of the Sydney absolute gravity site (7199.9999) and the National Gravity Base Station, Sydney A (5099.9905).

and Potsdam by recent Soviet OVM pendulum work (Gusev, 1973), and gravity meter ties from other countries to Sydney are stronger than to any other place in Australia as a result of Sydney being the main international airport.

During 1971 the Australian National Standards Laboratory made an absolute determination of gravity by the symmetrical rise and fall method (Gibblings et al., 1971a & b; Bell et al., 1973). The site of the absolute determination (BMR station No. 7199.9999) is 1.6 m from Sydney A gravity station (BMR No. 5099.9905); the relationship of the two stations is shown in Figures 3 and 4. A gravity tie between Sydney A and the absolute site, using four LaCoste & Romberg gravity meters (Appendixes 4 and 5), gave a mean gravity interval (Table 9) of $5099.9905 - 7199.9999 = +0.344 \pm 0.004$ mGal. Using a gravity interval of 0.34 mGal Bell et al. (1973) derived a value for Sydney A of $979\,672.0 \pm 0.2$ mGal, where the error quoted is the 99% confidence limit.

A program of measuring the gravity interval between Potsdam and the absolute sites in the world, using modern pendulum apparatus, is being carried out by the Academy of Sciences of the USSR. In December 1972 the gravity interval between Moscow (Ledovo) and Sydney A was measured with five OVM pendulums, and found to be $\text{Ledovo-Sydney A} = -1879.54 \pm 0.06$ mGal (Gusev, 1973). The gravity interval from Ledova to Potsdam was previously determined to be $\text{Ledova-Potsdam} = +291.327 \pm 0.019$ mGal, so in relation to Potsdam $= 981\,274.00 \pm 0.00$ mGal, Sydney A is $979\,685.79 \pm 0.06$ mGal. The Soviet work connecting absolute sites suggests that the correction to Potsdam datum is -13.95 ± 0.05 mGal, so from the Soviet work the expected value at Sydney A is $979\,671.84 \pm 0.08$ mGal.

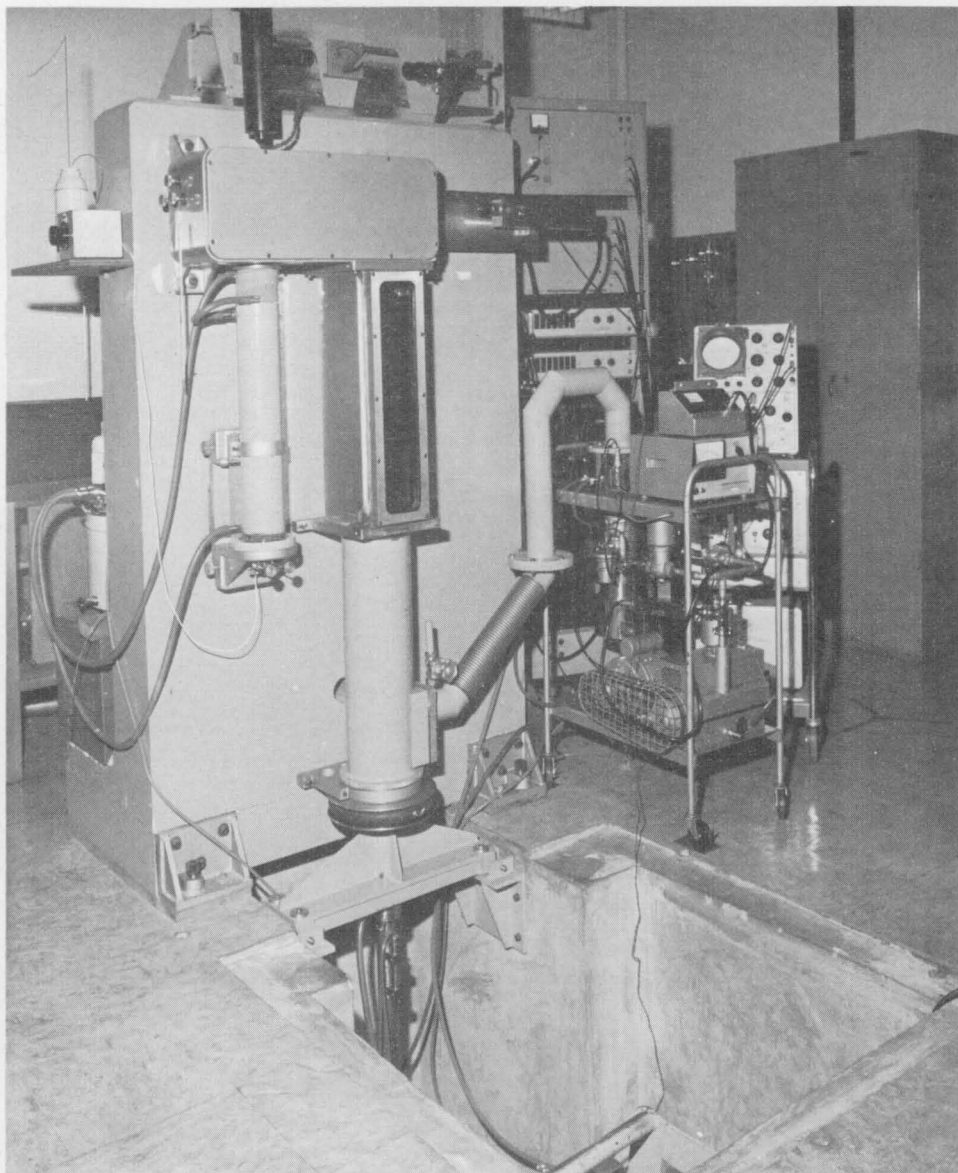


Fig 4. Apparatus used to determine the absolute value of gravitational acceleration at Sydney. The National Gravity Base Station (5099.9905) is at the point on the floor marked by a star (far right).

In 1971 a special study group of the International Association of Geodesy calculated values for the more important world gravity stations (IGSN71 values) using absolute determinations and relative pendulum and gravity meter observations. The results of this study have not been published, but preliminary values have been made available (Morelli, pers. comm.) for Australian stations and stations on the WPCL. The IGSN71 value for Sydney must be based upon the absolute determination discussed above, on ties to Australia from overseas absolute

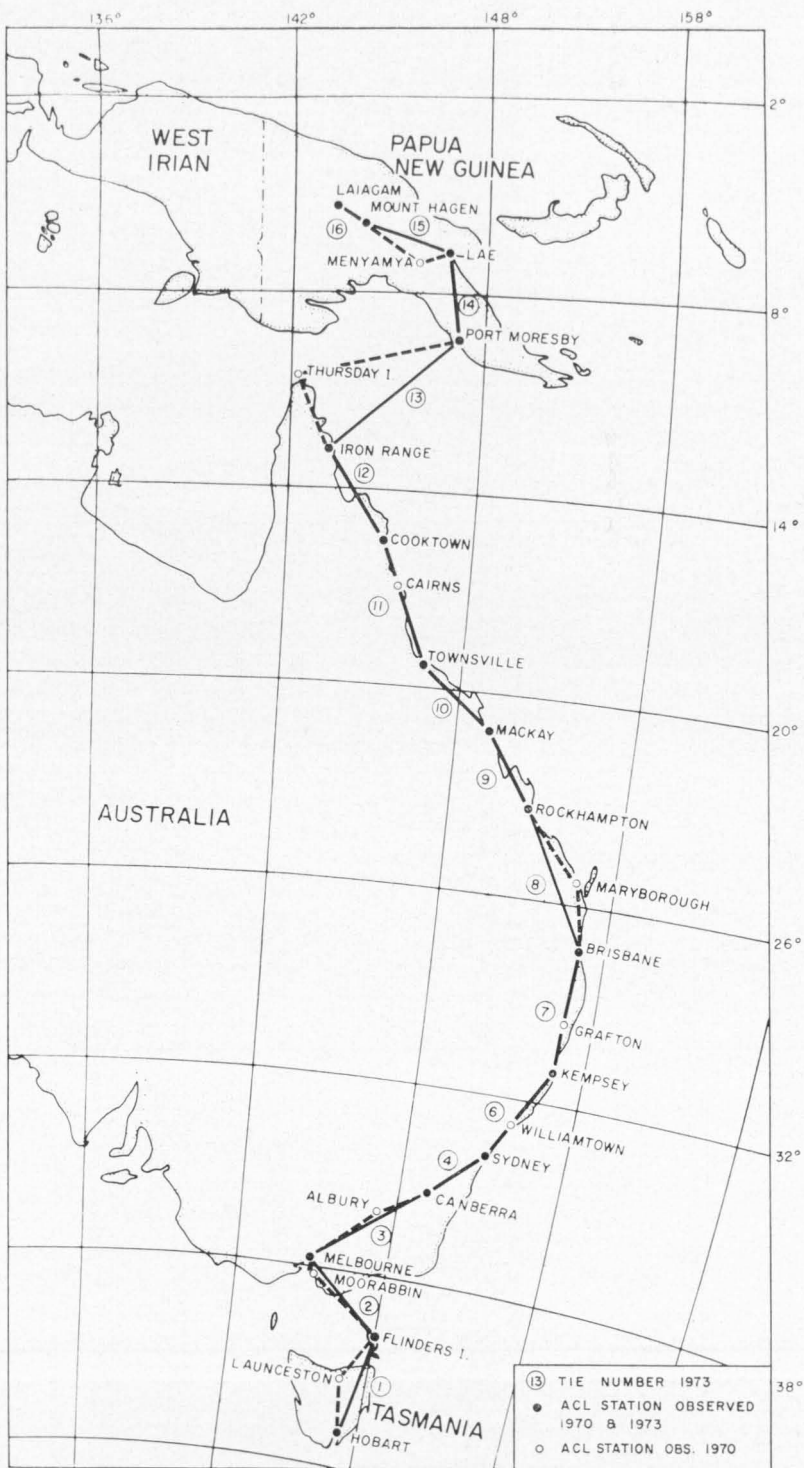


Fig. 5. Australian Calibration Line.

sites by LaCoste & Romberg gravity meters of US Air Force and Project Magnet, and by gravity meter and pendulum work before 1963 summarized by Woollard & Rose (1963). The IGSN71 value for Sydney A is therefore almost independent of the value derived using the Soviet pendulum ties.

The three values for the Sydney station 45331A are given by the above sources as follows:

Absolute determination	$979\,672.00 \pm 0.20$ mGal ($3 \times$ s.d.)
IGSN71	$979\,671.86 \pm 0.021$ mGal (s.d.)
Soviet result	$979\,671.84 \pm 0.06$ mGal (s.d.)

in which s.d. is standard deviation.

The values agree within their stated accuracy. The IGSN71 value of $979\,671.86 \pm 0.00$ mGal for Sydney A was adopted as the new datum for Australia (Boullanger et al., 1973).

3. AUSTRALIAN CALIBRATION LINE

The Australian Calibration Line (ACL) is a set of airport gravity stations in eastern Australia and Papua New Guinea that together form a gravity calibration range of about 3 Gal (Fig. 5). The gravity stations are all at commercial airports so that fast air transport can be used between stations. If only LaCoste & Romberg gravity meters are used, calibrations can be carried out over a range of 2.8 Gal using major airports and commercial passenger aircraft for transport. If Worden gravity meters with a range of only 230-270 mGal are to be used, both large and small airports must be visited and a chartered small aircraft is necessary for transport.

There are two main observing techniques used in measuring the gravity intervals along a calibration line that consist of a single line of stations ABCD . . . The most accurate method is called 'full drift control', and consists of taking gravity meter readings at the stations in the order ABABCBCDCD . . . This method must be used for the most accurate work, or when a Worden or other type of gravity meter with a high drift rate is used, and a chartered aircraft is necessary for transport. If a low-drift gravity meter such as a LaCoste & Romberg is used, then the less satisfactory method called the 'ladder sequence' can be used, the observations being in the order ABCD . . . DCBA. Measurements can be made using this observing method and commercial passenger aircraft.

There have been five major surveys along the ACL. In 1965 the United States Air Force (USAF) made gravity meter observations in a ladder sequence between Cairns and Melbourne. Four LaCoste gravity meters were used (G43, G44, G47, G48) (Whalen, 1966), and a fifth gravity meter (G20) was read by a BMR observer for part of the survey. A similar survey was carried out by the Canadian Department of Energy, Mines and Resources in 1966 using two LaCoste & Romberg gravity meters (G7, G9). In 1970 BMR carried out a survey along the full length of the line (R. J. S. Cooke, pers. comm.). Three LaCoste & Romberg gravity meters (G20, G101, G132) and six quartz gravity meters were used, and observations were made using full drift control. In 1971 ladder-sequence observations were made along the ACL using four LaCoste & Romberg gravity

meters (G20, G101, G132, G252), and in 1972 a further meter (G104) was taken along the ACL. A combined Soviet-Australian survey was carried out in 1973, using nine Soviet GAG-2 gravity meters and four LaCoste & Romberg gravity meters, with five Worden gravity meters to take supplementary measurements (Boulanger et al., 1973). Observations were made along the full length of the line, using the observing sequence ABABCBCDCD . . . DCDCBCBABA.

Observations at airports by LaCoste & Romberg, Worden, or Sharpe gravity meters have generally been taken at stations in the passenger air terminal building at sites that are on concrete and have shelter from the sun and rain. Each main airport station is tied to a secondary airport station in another building, and to stations in the nearby town. In most of the larger cities the main airport station observed in the earlier surveys is not now reoccupiable as new passenger terminals have been built; replacement stations have been established in these new terminals. For the 1973 Soviet-Australian gravity survey, new stations had to be established on the asphalt tarmac, because observations on the GAG-2 gravity meters had to be made close to the aircraft. These tarmac stations were strongly tied to the main airport gravity stations.

Permanent gravity stations consist of a numbered brass disc, 6 cm in diameter, glued to a flat concrete surface. On some gravity surveys three or more observers wished to read simultaneously at each site so observations were taken on LaCoste tripods situated about 0.2 m horizontally from the position of the disc and resting on the same level surface. Each observer read the same gravity meter throughout the survey, used the same tripod, and at each site replaced the tripod within a few centimetres of its position at earlier occupations. The apron sites were on an asphalt surface, the exact site being marked temporarily by orange paint and shelter being provided by a collapsible tent 2 m x 2 m in floor area. Observations on the smaller gravity meters were made within 0.2 m of the paint mark, and observations on GAG-2 gravity meters on 0.37 m high tripods less than 0.6 m from the paint mark. Within the tent the change in altitude of the apron was less than 2 cm, so the gravity change would be less than 0.005 mGal. There were no fuel tanks under the apron sites. It is considered that in all cases reoccupation of the gravity sites was within 0.005 mGal.

Accurate gravity observations were not possible at times because of almost continuous ground vibration. South of Sydney the vibration was mainly due to strong winds, while north of Sydney it was mainly due to seismic activity and vibration induced by running aircraft engines. The main effect of gentle ground vibration is to decrease the accuracy of the observations, and it does not have a significant systematic effect. During the 1973 survey the GAG-2 gravity meter drift was affected during the DC3 flights by aircraft vibration, strong turbulence, and severe temperature fluctuations in the uninsulated cabin. Variations in air temperature and air pressure at the gravity sites appeared to be adequately compensated in both LaCoste and GAG-2 gravity meters, and do not appear to systematically affect the observations.

Gravity meter observations were reduced to mean gravity intervals as follows. The gravity meter observations were changed to milligal equivalents using makers' tables for GAG-2 and LaCoste gravity meters, and using the calibration constant determined on the Canberra calibration range for Worden and Sharpe gravity meters. Earth tide corrections were interpolated from the hourly values calculated

by a computer program of R. L. Towers & A. S. Murray of BMR, using $\delta = 1.2$ for the rigidity correction factor. Gravity meter drift was assumed to be linear between repeat readings when observations were taken using full drift control, and drift was assumed to be zero when LaCoste & Romberg gravity meter observations were taken in a ladder sequence. Gravity intervals were calculated from these corrected milligal equivalents of the observations. Intervals measured by LaCoste & Romberg, Worden, and Sharpe gravity meters were reduced to intervals on Soviet scale by multiplying by a mean factor calculated on the assumption that the calibration of the meters did not change during the survey.

4. GAG-2 GRAVITY METER MEASUREMENTS

The GAG-2 gravity meter basically consists of an astatic quartz torsion sensing element that is mounted so that it can be tilted along its hinge, and the angle of tilt measured by a built-in theodolite. Measurements are made by tilting the sensing element and measuring the angles ($+a$, $-a$) at which the beam is at its null position. The difference in gravity between two gravity stations is given by $\Delta\delta = \delta_0 \cdot (\sec a_1 - \sec a_2)$, where a_1 and a_2 are the angles of tilt at the two stations, and δ_0 is the gravity acceleration at a station where $a = 0$. For a perfectly adjusted gravity meter the scale of these gravity differences relative to true scale is given by the magnitude of the gravity acceleration at the base stations of the survey relative to the true gravity acceleration at that point. Hence the scale should be accurate to about 1×10^{-7} (1 part in 10^7).

The eight GAG-2 gravity meters that were used over the full length of the Australian Calibration Line, and on the Sydney A to Sydney X tie, were numbers 1, 2, 3, 30, 31, 40, 41, and 43. Meter number 42 gave usable results for the first few days of the survey, but subsequently developed a fault requiring factory adjustments and was unusable. During the ACL survey the meters were read at a special 'Soviet Station' on the airport tarmac less than 15m from the aircraft door (Fig. 6); this meant that the umbilical cord to the thermostatic heating power supply in the aircraft could be short and the distance the meters (each weighing 25 kg) had to be carried was short. The total reading time of the eight gravity meters averaged about 40 minutes.

On most days, three flights were made between places A and B, giving drift control of the type A-B-A-B and a pair of estimates of the gravity interval AB. A pair of estimates of the gravity interval AB was obtained while progressing north, and an independent pair of estimates was obtained while progressing south. For six intervals additional estimates based on supplementary measurements of the type A-B-A were necessary so as to achieve a similar precision of measurement for each interval.

The GAG-2 gravity meter readings were converted from angles to milligals and corrected for the effect of earth tides. Appendix 1 lists each observation in the form: station name and number, date and time, earth tide correction, and corrected reading in milligal.

The gravity observations were reduced to estimates of the gravity intervals as follows. Each day four observations were made alternately at each of the two stations (A & B) at times that are approximately equally spaced. If the observations

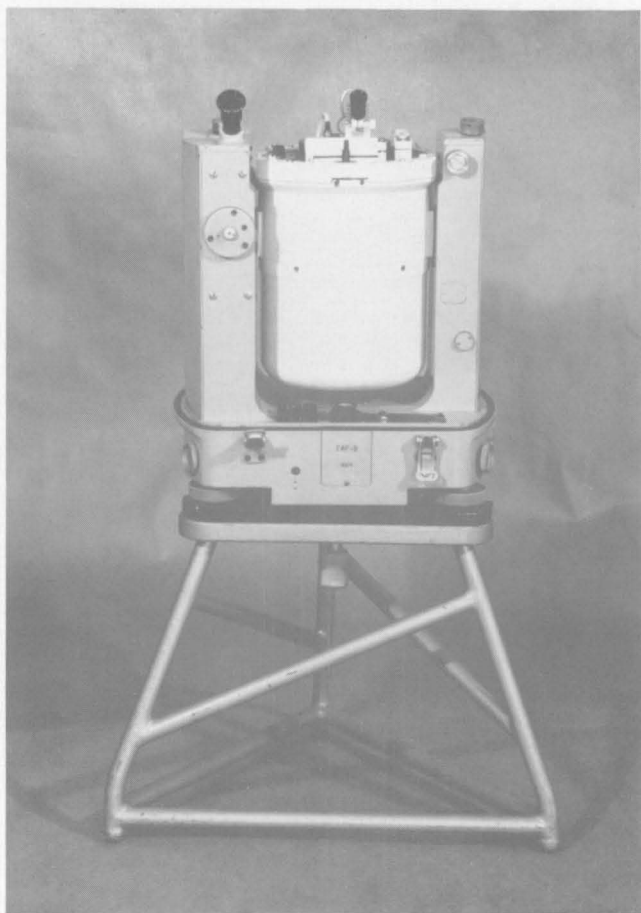


Fig. 6a. GAG-2 gravity meter.

and times are represented by A_1, B_2, A_3, B_4 , and T_1, T_2, T_3, T_4 then the pair of estimates of the gravity interval AB are $(A_1-B_2 - (A_1-A_3) \cdot (T_1-T_2)/(T_1-T_3))$ and $(A_3-B_2 + (B_2-B_4) \cdot (T_2-T_3)/(T_2-T_4))$. If supplementary observations were taken the following day without resetting the gravity meters, then these observations (B_5, A_6, B_7) and times T_5, T_6, T_7 give an additional pair of estimates of the gravity interval AB $(A_3-B_4 - (A_3-A_6 + B_5-B_4) \cdot (T_3-T_4)/(T_3-T_6 + T_5-T_4))$ and $(A_6-B_5 + (B_5-B_7) \cdot (T_5-T_6)/(T_5-T_7))$.

For each tie a table has been prepared of all the estimates of the gravity interval (Appendix 2). These estimates have been analysed to show variation between gravity meters and variations between sets of estimates, by calculating the means, number of estimates (k or n), standard error of the estimates (m), standard error of the mean (M), and a reliability index P . If the estimates are denoted by x_{ij} then

$$\text{Mean} = \frac{\sum x_{ij}}{n}, m = \frac{\sum (x_{ij} - \text{Mean})^2}{n - 1}, M = m/\sqrt{n}, P = 0.001/m^2.$$



Fig. 6b. Observations being made with GAG-2 gravity meters. Normally the tent shelters the gravity meters.

The most probable value of the gravity interval is taken to be the mean of the accepted interval estimates ($\Delta \bar{g}$). Estimates of the uncertainty of $\Delta \bar{g}$ are given by the statistics σ , a , $\bar{x}$, and M defined below.

Let the i th estimate of the gravity interval for the j th gravity meter be x_{ij} , the mean of the estimates for a meter be $\bar{x}_j$, the mean of each set of estimates be $\bar{x}_i$ and the mean of all estimates be $\bar{x} (= \Delta \bar{g})$. Then if there are n gravity meters and k estimates of the gravity interval for each,

$$\bar{x} = \pm \sqrt{\frac{\sum_{ij} (x_{ij} - \bar{x}_j)^2}{nk(nk - 1)}} \text{ and } M = \pm \sqrt{\frac{\sum_j (x_j - \bar{x})^2}{n(n - 1)}}.$$

The statistical parameter σ (Boulanger, 1956) is calculated from

$$\sigma_n^2 = \frac{\sum_j (x_j - \bar{x})^2}{n - 1}, \sigma_k^2 = \frac{\sum_i (x_i - \bar{x})^2}{k - 1} \text{ and } \sigma_1^2 = \frac{\sum_{ij} (x_{ij} - \bar{x}_i)^2}{(n - 1)(k - 1)}$$

using $\sigma = \pm \sqrt{\frac{k - 1}{nk - 1} \sigma_n^2 + \frac{n - 1}{nk - 1} \sigma_k^2 - \frac{(n - 1)(k - 1)}{nk(nk - 1)} \sigma_1^2}.$

The calculation of a (Boyarski, 1960) is as follows:

$$\sigma_2 = \pm \sqrt{\frac{nk}{nk - 1} \sigma_n^2 - \frac{n}{nk - 1} \sigma_k^2 - \frac{n - 1}{nk - 1} \sigma_1^2};$$

$$\sigma_3 = \pm \sqrt{\frac{nk}{nk - 1} \sigma_k^2 - \frac{k}{nk - 1} \sigma_n^2 - \frac{k - 1}{nk - 1} \sigma_1^2}.$$

(Boulanger, 1956).

If σ_2 and σ_3 are both real $a = \pm \sqrt{\frac{\sigma_n^2}{n} + \frac{\sigma_k^2}{k} - \frac{\sigma_l^2}{mk}}$

If σ_2 is imaginary and σ_3 real $a = \pm \frac{\sigma_k}{\sqrt{k}}$

If σ_2 is real and σ_3 is imaginary $a = \pm \frac{\sigma_n}{\sqrt{n}}$

Individual estimates of the gravity intervals were rejected if the estimates were over three standard errors (0.24 mGal) from the most probable value of the gravity interval ($\Delta\bar{g}$). In addition two sets of estimates obtained for the Kempsey-Brisbane interval on 17 May, and one set of estimates obtained for the Iron Range-Port Moresby interval on 2 June were rejected. The means of these sets of estimates differed by 0.178, 0.161 and 0.119 mGal from the $\Delta\bar{g}$ for the interval, and three standard errors from $\Delta\bar{g}$ is 0.077 mGal.

The uncertainty in the total gravity interval along the calibration line can be calculated if the scale of the gravity meter is correct and errors are random. Table 1 gives the accumulated deviations from the mean gravity interval for each GAG-2 gravity meter, Table 2 gives the growth of M along the calibration line for each meter, and these are shown diagrammatically in Figures 7a and b. The accumulated deviations for a gravity meter should be less than the uncertainty in that interval at the 99% confidence level (three times standard error M). This relation holds except for GAG-2 No. 1, which is a prototype instrument whose scale is known to be slightly in error. With this exception the gravity meters have the same gravity scale (within experimental uncertainty), and M appears to be a reasonable estimate of the uncertainty of a gravity interval measured by a single gravity meter.

Errors in $\Delta\bar{g}$ have therefore been assumed to be random. Using the σ , a , $\bar{x}$, and M values of each $\Delta\bar{g}$, the expected error in the total gravity interval of the calibration line and the expected uncertainty in scale have been calculated (Table 3). The standard error in scale is found to be between $\pm 1.9 \times 10^{-5}$ and $\pm 3.3 \times 10^{-5}$, with a most probable value of $\pm 2.5 \times 10^{-5}$.

In Table 4 the gravity intervals $\Delta\bar{g}$ that have been calculated in the Potsdam gravity system (subscript P), are changed to intervals in the IGSN71 gravity system (subscript I). This is done by calculating $\delta = \Delta\bar{g}_I - \Delta\bar{g}_P = \Delta\bar{g} (g_{oI}/g_{oP} - 1)$ where g_{oI} and g_{oP} can be approximated by the gravity values of the station with higher gravity. The values of gravity in the IGSN71 system have been calculated using these revised gravity intervals, the LaCoste & Romberg gravity meter tie Sydney A-Sydney X, and the adopted IGSN71 value of 979 671.86 mGal at Sydney A. Table 4 gives the derived values of gravity at the Soviet stations, and the uncertainty of these values relative to Sydney A. The scale defined by these gravity values have been adopted as the Australian milligal as from 1973 (Boulanger et al., 1973).

TABLE 1. ACCUMULATION OF DEVIATIONS FROM THE MEAN GRAVITY INTERVAL FOR EACH GAG-2 GRAVITY METER

Tie No.	Meter No.									m μGal	M_1/M μGal
	1	2	3	30	39	40	41	43			
	Deviation from mean interval, μGal										
16	-94	+35	-4	+63	+33	-34	-24	+23	45	18	
15	-46	+39	+52	0	-16	+4	-61	+29	43	17	
16-15	-140	+74	+48	+63	+17	-30	-85	+52	80	28	
14	+8	+56	+8	+8	-44	0	0	-34	33	12	
16-14	-132	+130	+56	+71	-27	-30	-85	+18	87	30	
13	-89	-22	+44	+28	-56	+11	+21	+61	52	18	
16-13	-221	+108	+100	+99	-83	-19	-64	+79	118	42	
12	+25	-6	+25	+7	+2	-1	-51	-3	24	8	
16-12	-196	+102	+125	+106	-81	-20	-115	+76	120	43	
11	+43	-41	-7	+14	+39	-27	+3	-26	31	11	
16-11	-153	+61	+118	+120	-42	-47	-112	+50	103	37	
10	+14	-3	+19	+9	0	+77	-61	-53	46	18	
16-10	-139	+58	+137	+129	-42	+30	-173	-3	114	40	
9	-108	-30	+57	+65	-93	+39	-41	+110	79	28	
16-9	-247	+28	+194	+194	-135	+69	-214	+107	176	62	
8	+87	+10	-70	+10	-10	+18	-92	+47	58	21	
16-8	-160	+38	+124	+204	-145	+87	-306	+154	181	64	
7	-65	+57	-43	+37	-15	-13	+2	+42	43	15	
16-7	-225	+95	+81	+241	-160	+74	-304	+196	202	71	
6	-35	-45	-13	+119	-41	-11	+29	(+24)	58	22	
16-6	-260	+50	+68	+360	-201	+63	-275	+196	228	81	
4	+136	+14	+101	+35	+51	+88	-70	-86	87	31	
16-4	-124	+36	-33	+325	-252	-25	-205	+282	210	74	
3	-88	+70	+70	-2	-70	+18	-2	0	57	20	
16-3	-212	+106	+37	+323	-322	-7	-207	+282	233	82	
2	-127	+16	+46	+16	+23	+3	+31	-11	71	25	
16-2	-339	+122	+83	+339	-299	-4	-176	+271	252	89	
1	-37	+51	-37	-2	-34	+31	-27	+53	40	14	
16-1	-376	+173	+46	+337	-333	+27	-203	+324	278	98	

TABLE 2. ACCUMULATION OF ERROR IN Δg FOR EACH GRAVITY METER

		<i>Meter No.</i>								<i>Mean M μGal</i>
		<i>Interval</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>30</i>	<i>39</i>	<i>40</i>	<i>41</i>	<i>43</i>
<i>Tie No.</i>	<i>mGal</i>	<i>Error in Δg given by M₁μGal</i>								
16	174	12	14	27	0	32	59	32	25	25
15	334	22	29	81	(45)	49	99	44	15	45
16—15	508	25	32	85	45	59	115	54	29	
14	202	21	43	47	28	21	(36)	31	55	36
16—14	710	33	54	97	53	62	121	62	62	
13	133	15	15	24	24	32	40	29	45	28
16—13	843	36	56	100	58	70	127	69	77	
12	97	38	65	40	12	35	23	26	12	32
16—12	939	52	85	108	59	78	129	74	77	
11	182	47	45	60	40	35	83	38	44	50
16—11	1121	70	97	124	72	86	154	83	89	
10	110	27	11	17	27	(28)	54	23	34	28
16—10	1231	76	97	125	76	90	163	86	96	
9	141	35	38	12	25	41	60	38	22	45
16—9	1372	83	104	125	80	99	173	94	98	
8	286	28	29	16	35	54	101	35	33	42
16—8	1657	87	109	126	88	112	204	100	103	
7	266	26	42	19	16	31	44	60	27	33
16—7	1924	90	117	127	89	116	208	117	106	
6	274	35	28	30	37	15	58	56	(37)	37
16—6	2198	96	120	130	96	117	216	128	112	
4	79	30	35	50	16	44	47	36	22	35
16—4	2119	101	125	140	97	125	221	133	114	
3	340	44	40	62	43	43	51	33	45	46
16—3	2459	111	131	154	106	132	227	137	123	
2	243	36	37	49	14	29	25	20	54	34
16—2	2702	120	136	162	107	135	228	139	134	
1	245	24	35	31	30	34	45	40	52	37
16—1	2947	122	141	163	111	140	233	144	144	

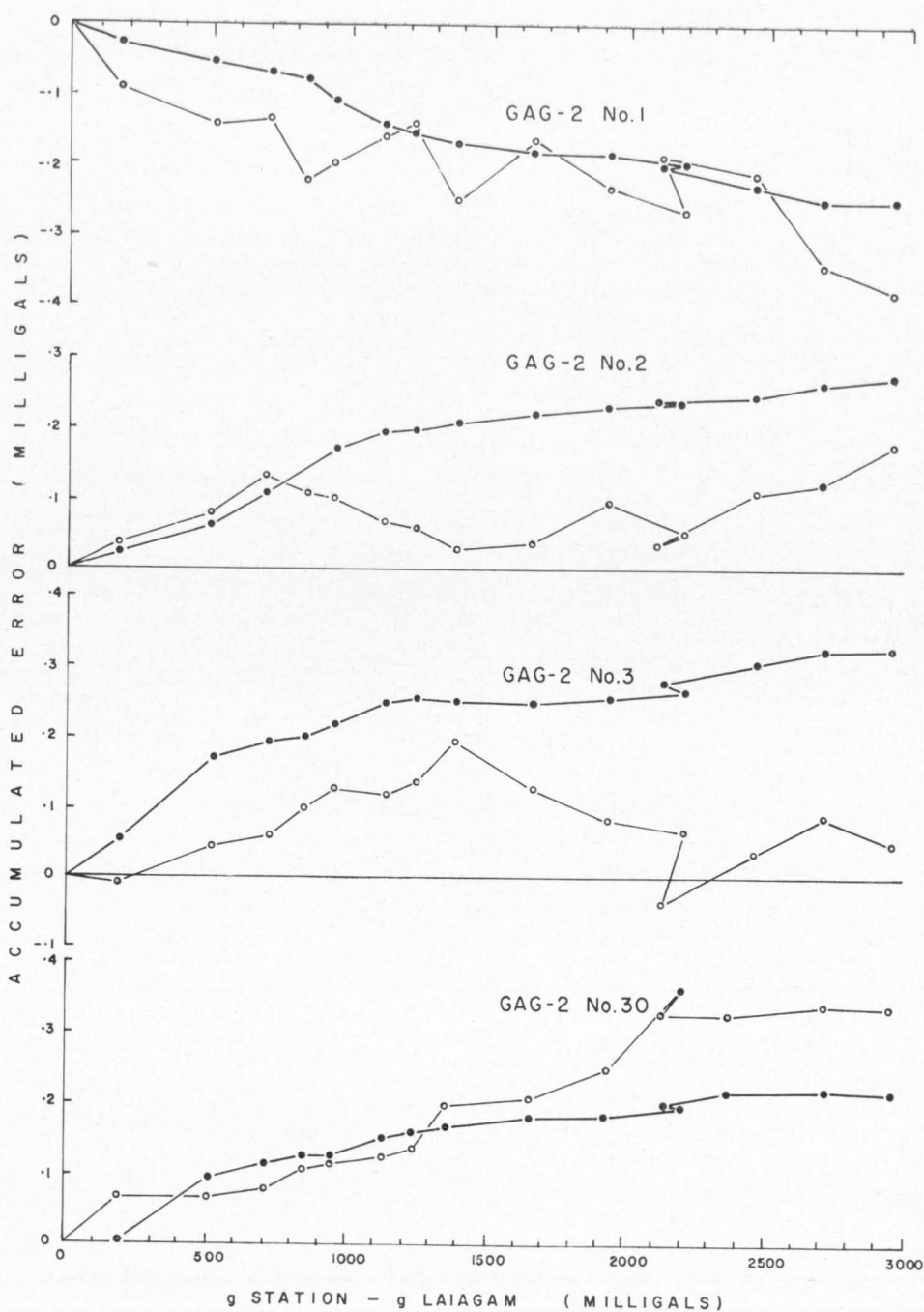
TABLE 3. ACCUMULATION OF ERROR IN g FOR MEAN GAG-2 GRAVITY INTERVALS

Tie No.	Δg $\pm$ mGal	σ $\pm$ μ Gal	a $\pm$ μ Gal	a $\pm$ μ Gal	M $\pm$ μ Gal	M_I $\pm$ μ Gal	$\sigma/\Delta g$ $\pm$ $\times 10^5$	$a/\Delta g$ $\pm$ $\times 10^5$	$\sigma/\Delta g$ $\pm$ $\times 10^5$	$M/\Delta g$ $\pm$ $\times 10^5$	$M_I/\Delta g$ $\pm$ $\times 10^5$
16	174	13	18	12	18	18	7.5	10.3	6.9	10.3	10.3
15	334	9	17	19	17						
16—15	508	16	25	22	25	28	3.1	4.9	4.3	4.9	5.5
14	202	7	12	14	12						
16—14	710	17	28	27	28	30	2.4	3.9	3.8	3.9	4.2
13	133	13	18	14	18						
16—13	843	22	33	30	33	42	2.6	3.9	3.6	3.9	5.0
12	97	10	11	11	8						
16—12	939	24	35	22	34	43	2.5	3.7	3.4	3.6	4.6
11	182	20	22	15	11						
16—11	1121	31	41	35	36	37	2.8	3.7	3.1	3.2	3.3
10	110	14	18	13	18						
16—10	1231	34	45	38	40	40	2.8	3.7	3.1	3.2	3.2
9	141	29	31	16	28						
16—9	1372	45	54	41	49	62	3.3	3.9	3.0	3.6	4.5
8	286	14	21	17	21						
16—8	1657	47	58	41	54	64	2.8	3.5	2.5	3.3	3.9
7	266	16	18	13	15						
16—7	1924	48	61	43	56	71	2.5	3.2	2.2	2.9	3.7
6	274	20	22	17	22						
16—6	2198	52	64	46	60	81	2.4	2.9	2.1	2.7	3.5
4	79	27	31	16	28						
16—4	2119	59	72	49	66	74	2.8	3.5	2.3	3.1	3.5
3	340	18	20	16	20						
16—3	2459	62	74	51	69	82	2.5	3.0	2.1	2.8	3.3
2	243	18	19	14	17						
16—2	2702	65	77	53	71	89	2.4	2.9	2.0	2.6	3.4
1	245	17	17	14	18						
16—1	2947	67	79	55	73	98	2.3	2.7	1.9	2.5	3.3

5. LACOSTE & ROMBERG GRAVITY METER MEASUREMENTS

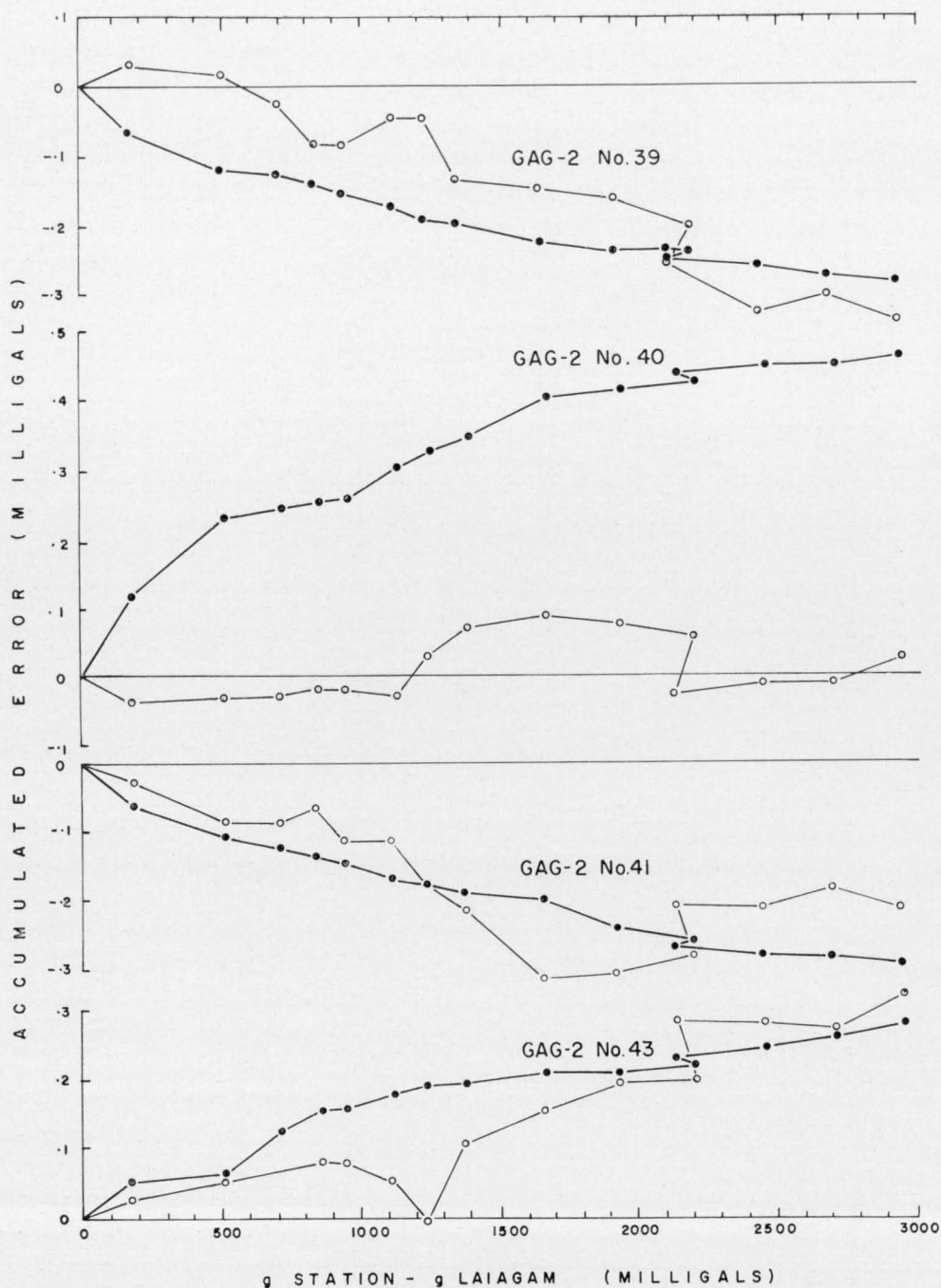
There have been five major surveys of the Australian Calibration Line using LaCoste & Romberg gravity meters. The observations taken on the 1965 United States Air Force survey are listed by Whalen (1966), those taken on the 1966 Dominion Observatories of Canada survey are unpublished, and those taken by the 1965, 1970, 1971, 1972, and 1973 Bureau of Mineral Resources surveys are listed in Appendix 4. These lists give the gravity station name, the date and time of the observation, the observation itself, the earth tide correction for that location and time, and the milligal equivalent of the observation corrected for earth tides and calculated using the calibration tables in Appendix 3.

The gravity intervals calculated from the observations are listed in Appendix 5. Where observations have been taken using full drift control, the drift has been considered to be linear between repeat findings, and the gravity interval together with the meter drift between the repeat readings is listed. Where observations have been taken in ladder sequence, there is assumed to be no drift between readings, and only the gravity interval is listed.



G65-362 A

Fig. 7a. Accumulated errors of each GAG-2 gravity meter along the ACL, as given by 2M (solid points) and the deviations from the mean gravity interval (open circles).



G65-363A

Fig. 7b. Accumulated errors of each GAG-2 gravity meter along the ACL, as given by 2M (solid points) and the deviations from the mean gravity interval (open circles).

TABLE 4. SUMMARY OF GAG-2 GRAVITY METER RESULTS

<i>Tie No.</i>	<i>Place</i>	<i>BMR Station No.</i>	<i>Interval Potsdam System mGal</i>	Δ μGal	<i>Interval IGSN71 System mGal</i>	$\pm M_1$ μGal	g mGal	$\pm M_g$ Gal
16	Laiagam	7390.1029	173.917	-2.5	173.915	18	977 488.648	65
15	Mount Hagen	7390.0178	334.146	-4.8	334.141	17	977 662.563	64
14	Lae	7390.0177	201.892	-2.9	201.889	12	977 996.704	60
13	Port Moresby	7390.0176	132.820	-1.9	132.818	18	978 198.593	59
12	Iron Range	7390.1073	96.543	-1.4	96.542	11	978 331.411	56
11	Cooktown	7390.1072	181.849	-2.6	181.846	22	978 427.953	55
10	Townsville	7390.0151	109.851	-1.6	109.850	18	978 609.799	51
9	Mackay	7390.0161	140.663	-2.0	140.661	31	978 719.649	47
8	Rockhampton	7390.0149	285.778	-4.1	285.774	21	978 860.310	36
7	Brisbane	7390.0147	266.203	-3.8	266.199	18	979 146.084	29
6	Kempsey	7390.1111	273.894	-3.9	273.890	22	979 412.283	23
4	Sydney	7390.0105	-78.969	-1.1	-78.968	31	979 686.173*	5
3	Canberra	7390.0104	340.230	-4.9	340.225	16	979 607.205	31
2	Melbourne	7390.0101	243.378	-3.5	243.375	19	979 947.430	35
1	Flinders Island	7390.1140	245.237	-3.5	245.233	17	980 190.805	40
	Hobart	7390.0160					980 436.038	43

* Based on Sydney A adopted value of 979 671.86 mGal

Figure 8 gives histograms of apparent gravity meter drift between repeat readings on the air ties of the 1973 survey. For LaCoste G20A, G101, G252 the apparent drift has a mean near zero, and over 83% of apparent drifts are between +0.05 and -0.05 mGal. It cannot be proven whether LaCoste & Romberg gravity meters have a drift varying smoothly with time or whether the apparent drift consists of numerous small tares. Therefore intervals for which the apparent drift is within the range +0.05 to -0.05 mGal have an uncertainty of up to 0.025 mGal. Intervals with a greater uncertainty cannot be used to calculate accurate gravity values, so where the apparent drift has a magnitude greater than 0.05 mGal the interval has been rejected.

Where observations have been taken on a ladder sequence the consistency of the intervals measured on the upward and downward legs is a measure of the magnitude of the apparent drift of the gravity meter. The 1971 air ties of G101, and of G252 north of Cairns, give high and irregular apparent drifts, so these observations have been rejected. The remaining observations are generally of high quality with a few discrepancies above 0.10 mGal.

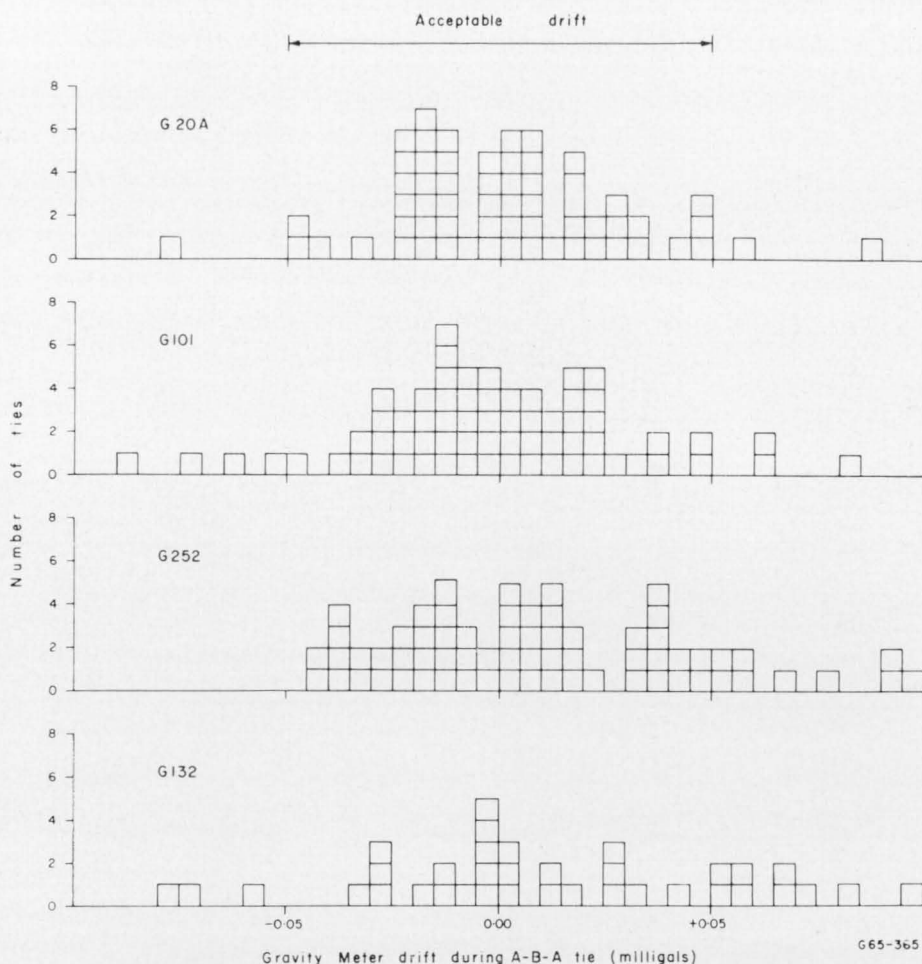


Fig. 8. Apparent drift of LaCoste & Romberg gravity meters during A-B-A ties.

Independent estimates of the gravity interval should be associated with an independent estimate of apparent meter drift; therefore the number of independent drift-corrected estimates of the gravity interval is about one half the number of observations. In Appendix 5 all estimates of the gravity interval are listed, but every second drift-corrected estimate is enclosed in square brackets and not used in the calculation of a mean interval. Where observations were taken on a ladder sequence the apparent drift was not calculated, and all estimates are listed and used in the calculation of the mean interval.

The gravity intervals were calculated from LaCoste & Romberg observations and manufacturer's tables, so the intervals are on the scale defined by these tables. The intervals can be converted to intervals on the Soviet Scale by multiplying by a factor $(1 + B)$ found by linear regression of LaCoste & Romberg gravity values at airport stations against values given by the GAG-2 work. Table 5 gives the equations of the regression lines, and the root-mean-square deviation from the regression line (ERMS). These regression lines are illustrated in Figure 9.

TABLE 5. COMPARISON OF GRAVITY METER MANUFACTURER'S TABLES

$$\Delta g = g \text{ (LaCoste)} - g \text{ (Soviet)} = B \times (g \text{ (Soviet)} - g \text{ (Sydney A)}) + A$$

Meter No.	Year	$\times 10^4$ <i>B</i>	$\times 10^4$ <i>S_B</i>	<i>mGal</i> <i>A</i>	<i>mGal</i> <i>S_A</i>	<i>mGal</i> <i>ERMS</i>
G43	1965	-2.696	0.514	0.028	0.032	0.066
G44	1965	-1.579	0.416	0.013	0.026	0.054
G47	1965	+0.580	0.294	-0.026	0.018	0.038
G48	1965	-0.021	0.230	0.005	0.014	0.030
G20	1965	-5.706	0.363	—	—	0.014
G20	1970	-3.895	0.145	0.027	0.017	0.040
G101	1970	-1.070	0.998	—	—	0.115
G132	1970	-4.315	0.092	0.014	0.010	0.032
G20	1971	-6.574	0.242	-0.021	0.026	0.066
G101	1971	-5.109	—	—	—	—
G132	1971	-4.144	0.158	0.026	0.017	0.043
G252	1971	-4.016	0.255	-0.047	0.017	0.044
G104	1972	-3.342	0.227	0.002	0.024	0.062
G20A	1973	-3.782	0.070	-0.005	0.008	0.024
G101	1973	-26.897	0.117	0.010	0.013	0.041
G132	1973	-4.416	0.149	0.029	0.018	0.036
G252	1973	-5.338	0.113	0.000	0.013	0.039

S = standard deviation; *ERMS* = error root-mean-square

The deviations from these regression lines are given in Table 6, and are plotted in Figure 10. For most meter runs the deviations differ systematically along the ACL, the deviations being positive in the middle of the ACL and negative at the ends. A mean deviation has been calculated for each airport, the meter observation being weighted so that the good observations have high weight. The mean deviations are within the experimental errors of the GAG-2 results, so revised values can be calculated for the airport stations that have a higher internal precision than the GAG-2 results. Gravity values, on Soviet Scale and 1973 Sydney datum, are listed in Table 6.

Gravity values for minor airports not visited in the 1973 survey were calculated by using LaCoste & Romberg observations to interpolate between airports. The gravity intervals on manufacturer's scale were used to calculate a gravity value for each airport, and these values were corrected to Soviet Scale using the regression equations listed in Table 5. The value adopted for minor airport stations is the mean of these calculated values (Table 7).

Gravity intervals were calculated for the main intratown ties (ground ties), using LaCoste & Romberg results calculated on Soviet Scale. For each tie a single mean was calculated that includes the results of all meters and gives unit weight to each measured interval (Tables 8, 9, and 10).

Accurate intervals for the calibration ranges cannot be obtained by simply meaning the intervals obtained by the LaCoste & Romberg observations, because for many ranges there is a large scatter of measured intervals. The 1970 results of G20 and G101 are the most internally inconsistent, and they deviated most from the overall mean for each range, so these calibration range results were rejected completely. The mean intervals obtained from the remaining observations (Table 11) are of adequate precision for the Port Moresby, Brisbane and Canberra ranges, but the results for the other ranges have uncertainties of over 0.01 mGal.

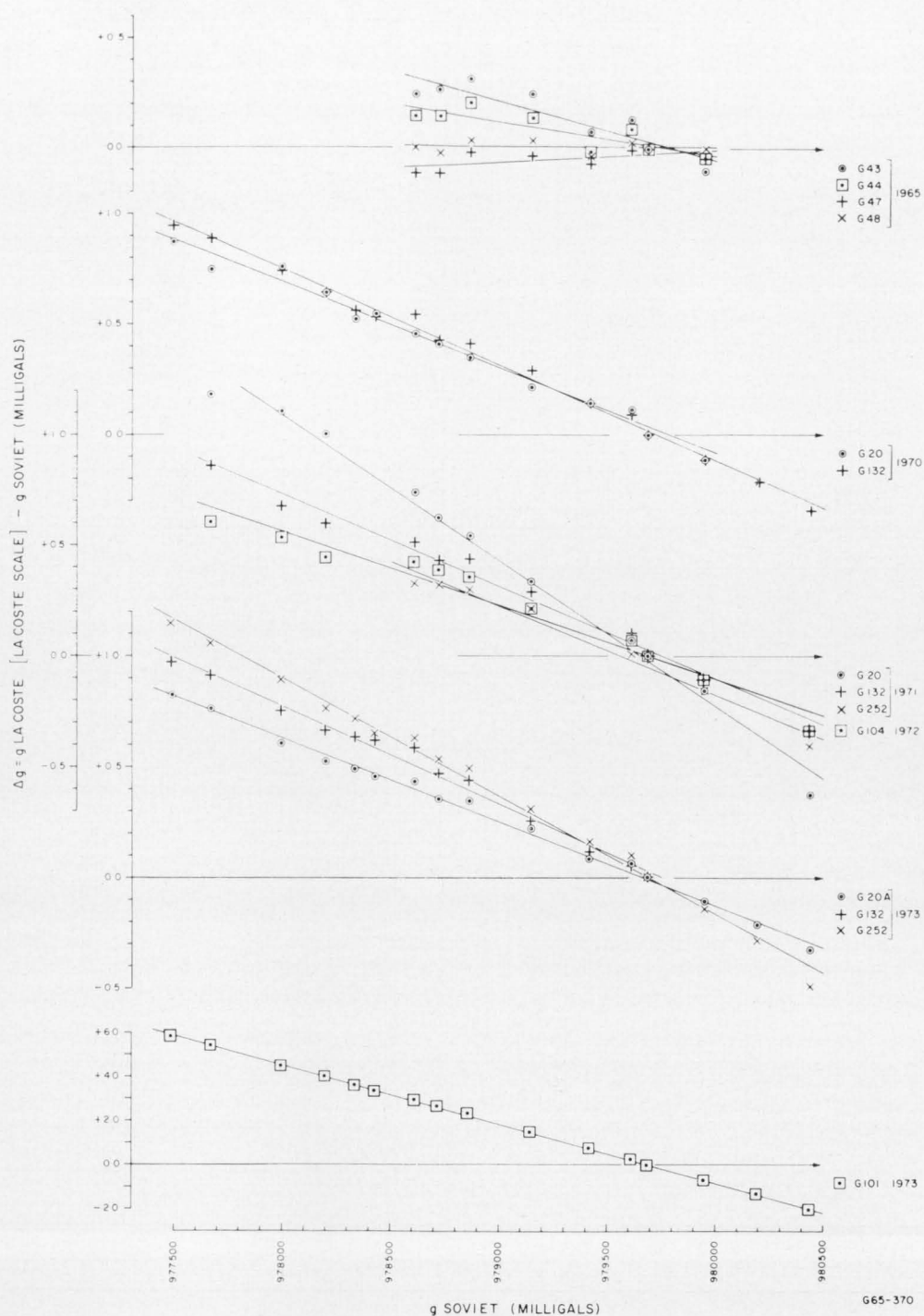


Fig. 9. Comparisons of the scale of the LaCoste & Romberg gravity meter manufacturer's tables with the Soviet scale.

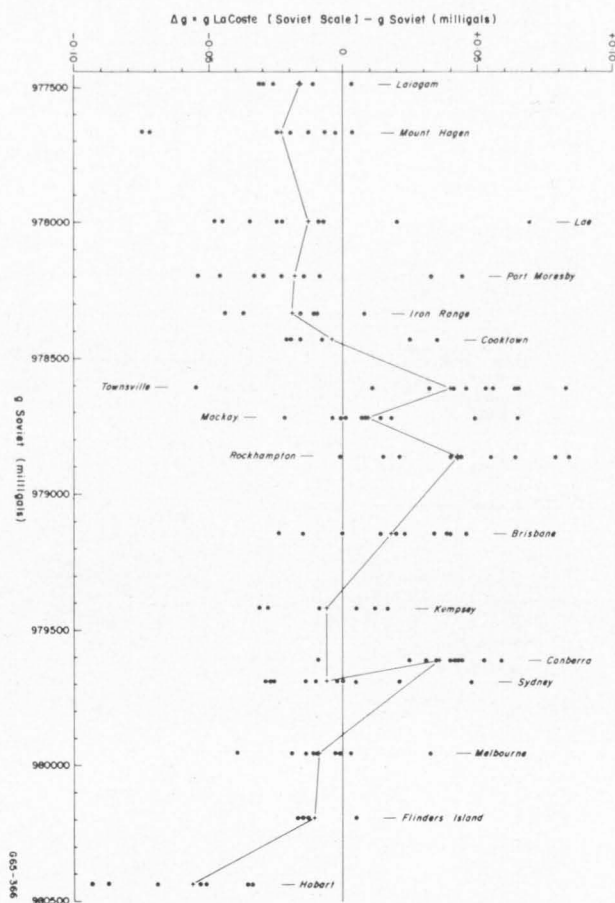


Fig. 10. Differences between the mean GAG-2 gravity meter results and individual LaCoste & Romberg gravity meter results on Soviet Scale and Sydney A datum. The weighed means of the LaCoste results are joined by a line.

The mean intervals calculated from the LaCoste & Romberg observations can be strengthened by using the observations taken during the 1970 ACL survey on one Sharpe and four Worden gravity meters. The calibration constant of each quartz meter is assumed to have stayed constant during the one-month-long survey, and a mean calibration constant for each meter was calculated, using the range intervals found from the LaCoste & Romberg observations and the scale-division range intervals found by the gravity meters. The mean calibration constants were used to calculate gravity intervals from the scale-division intervals, and a mean interval was then determined for each range (Table 11). The calibration range intervals adopted (Table 11) give greater weight to the LaCoste & Romberg observations, because they were calculated more directly.

The main LaCoste & Romberg gravity meter ties along the ACL are shown schematically in the 'stick diagrams' of Figure 11. Gravity values were calculated for these gravity stations using Soviet Scale, 1973 Sydney A datum, and the gravity

TABLE 6. GRAVITY VALUES AT PRINCIPAL AIRPORTS

Gravity Station IGC Name BMR No.		<i>g (LaCoste on Soviet Scale)—g(Soviet), μGal</i>														<i>Weighed mean and s.d. of mean (1970-1973) μGal</i>	<i>Adopted Values Mean g (LaCoste) (on Soviet scale) mGal</i>
		G43 1965	G44 1965	G47 1965	G48 1965	G20 1970	G132 1970	G20 1971	G132 1971	G252 1971	G104 1972	G20A 1973	G101 1973	G132 1973	G252 1973		
Laiagam L	7390.1029					-11	-16					+3	-26	-30	-31	-16 $\pm$ 6	977 488.623
Mount Hagen M	7390.0178					-72	-3	-132	-7		-75	+3	-25	-13	-20	-23 $\pm$ 12	977 662.540
Lae M	7390.0177					+69	-9	+20	-48		-35	-23	-45	-25	-9	-13 $\pm$ 12	977 996.691
Port Moresby T	7390.0176					+33	-15	+44	-46		-54	-30	-9	-23	-33	-18 $\pm$ 9	978 198.575
Iron Range L	7390.1073					-37	-44					-16	-10	+8	-11	-19 $\pm$ 8	978 331.392
Cooktown M	7390.1072					+25	-21					-16	-8	+35	-20	-4 $\pm$ 10	978 427.949
Townsville Q	7390.0151	-77	-42	-26	-6	+11	+65	+53	+41	-55	+64	+32	+46	+83	+56	+40 $\pm$ 12	978 609.839
Mackay M	7390.0161	-21	-23	-35	-29	+8	-4	+14	+1	-22	+65	-1	+49	+7	+18	+9 $\pm$ 7	978 719.658
Rockhampton M	7390.0149	+62	+64	+57	+31	-1	+43	+21	+64	+15	+79	+40	+84	+43	+55	+43 $\pm$ 7	978 860.353
Brisbane S	7390.0147	+70	+40	+21	+33	-24	+40	0	+39	+46	+34	+20	+14	-15	+23	+18 $\pm$ 7	979 146.102
Kempsey L	7390.1111	-28	-68	-29	-42	+12	+5					-9	-28	-31	+17	-6 $\pm$ 7	979 412.277
Sydney X	7390.0105	-28	-13	+26	-5	-26	-14	+21	-26	+48	-2	+5	-10	-29	0	(-6) $\pm$ 7	979 686.173
Canberra P	7390.0104	+81	+85	+21	+25	+53	+35	+40	+43	+25	+31	+42	+44	-9	+59	+36 $\pm$ 6	979 607.241
Melbourne W	7390.0101	-59	-23	-35	-6	-39	-19	+33	-10	-3	-14	-1	-11		+3	-9 $\pm$ 5	979 947.421
Flinders Is. K	7390.1140						-13					-15	+5		-17	-11 $\pm$ 4	980 190.794
Hobart P	7390.0160						-35	-115	-51	-53	-93	-35	-69		-87	-56 $\pm$ 9	980 435.982
ERMS, μ Gal		58	51	33	26	37	29	60	39	38	57	23	38	33	37		
WEIGHTING																	
FACTOR																	
(1/(ERMS) ² x 10 ⁵)		(30)	(39)	(91)	(149)	73	116	28	65	69	31	192	69	94	74		

TABLE 7. GRAVITY VALUES AT MINOR AIRPORTS

IGC Name	Gravity Station		Measured Gravity Value on IGSN71 Sydney Value and Soviet Scale, mGal										Mean Value mGal	k	m ± μGal	M ± μGal
	BMR No.		G43 1965	G44 1965	G47 1965	G48 1965	G20 1970	G132 1970	G20 1971	G132 1971	G252 1971	G104 1972				
Menyama J	6791.9035	977 816. +					.843	.801					977 816.822	2	30	21
Thursday I. K	6691.1001	978 229. +					.794	.730					978 229.762	2	45	32
Cairns A	5099.9952	978 486. +					.109	.112	.194	.109		.171	978 486.139	5	37	17
Maryborough A	5099.9948	979 007. +	.247	.218	.198	.181	.185	.221					979 007.208	6	25	10
Grafton K	6491.9110	979 315. +	.325	.281	.286	.277	.316	.330					979 315.303	6	24	11
Williamtown J	7090.9402	979 568. +					.265	.281					979 568.273	2	11	8
Albury L	6793.1136	979 751. +	.723	.740	.673	.703	.710	.686	.728	.705	.737	.709	979 751.711	10	21	7
Launceston N	6850.0271	980 261. +						.952	.887	.978	.935	.919	980 261.934	5	34	15

TABLE 8. MAIN GROUND TIE RESULTS 1965

Place & IGC Letters	BMR Station Numbers		Number of meters	Gravity difference (A-B) Soviet Scale mGal	k	m μ Gal	M μ Gal
	A	B					
Cairns A-L	5099.9952	6591.0252	5	1.532	10	31	10
Townsville L-M	6091.0151	6091.0251	5	60.547	10	43	13
Townsville A-N	5099.9951	6591.0151	5	0.062	10	23	7
Mackay A-J	6499.9961	6491.0161	5	0.881	10	10	3
Rockhampton K-J	6499.0149	6591.0149	5	0.690	10	10	3
Maryborough J-A	6591.0148	5099.9948	5	1.755	10	18	5
Brisbane J-D	6491.0147	6091.0147	5	-9.787	10	24	8
Brisbane D-N	6091.0147	6091.0247	5	58.245	10	34	11
Grafton K-J	6491.9110	6491.1110	5	9.004	10	31	10
Kempsey K-J	6491.1111	6491.9111	5	9.767	10	18	6
Sydney J-A	6491.0105	5099.9905	5	12.942	10	26	8
Sydney N-O	6091.0105	6091.0205	4	58.998	8	19	7
Canberra J-K	6491.0104	6491.0204	5	59.111	10	35	11
Albury J-K	6591.1136	6591.9136	5	5.940	10	21	7
Melbourne A-M	5099.9901	6491.0101	5	17.832	10	36	12
Melbourne P-Q	6091.0101	6091.0201	5	53.020	10	24	8

TABLE 9. GROUND TIE RESULTS 1970, 1971 & 1972

Place & IGC Letters	BMR Station Numbers		Number of meters	Gravity difference (A-B) Soviet Scale mGal	k	m μ Gal	M μ Gal
	A	B					
Port Moresby Q-L	7090.0176	6791.0476	3	9.032	5	16	8
Port Moresby Q-C	7090.0176	7090.0376	2	4.695	2	15	11
Port Moresby Q-D	7090.0176	7090.0576	2	4.781	2	18	13
Port Moresby S-L	7090.0476	6791.0476	2	0.196	2	5	3
Port Moresby L-K	6791.0476	6791.0376	2	44.616	2	15	10
Port Moresby L-R	6791.0476	7090.0276	2	43.350	2	15	10
Port Moresby Q-R	7090.0176	7090.0276	3	52.397	8	25	9
Port Moresby R-V	7090.0276	7390.0376	—	0.01*	—	—	—
Cooktown L-K	7090.1072	6491.1072	3	6.671	3	37	21
Townsville L-M	6091.0151	6091.0251	3	60.570	9	18	6
Townsville A-O	5099.9951	7090.0151	2	0.016	2	17	12
Rockhampton L-K	7090.0149	6499.0149	2	0.200	2	1	1
Brisbane D-N	6091.0147	6091.0247	3	58.212	8	47	16
Brisbane J-T	6491.0147	7390.0247	—	0.020**	—	—	—
Sydney N-O	6091.0105	6091.0205	3	59.047	8	62	22
Sydney V-U	6891.0105	7090.0105	3	2.057	3	24	14
Sydney V-A	6891.0105	5099.9905	4	13.011	8	42	14
Sydney A-	5099.9905	7199.9999	4	0.344	8	11	4
Canberra L-K	6491.0304	6491.0204	4	54.746	17	50	12
Melbourne P-Q	6091.0101	6091.0201	3	53.063	8	43	15
Melbourne M-	6491.0101	7090.0101	1	0.032	2	4	3
Launceston J-N	6491.0171	6850.0271	2	0.270	2	12	8
Hobart L-M	6091.0160	6091.0260	3	54.597	8	52	18
Hobart K-L	6491.0160	6091.0160	4	4.651	8	24	9

* Station 7390.0376 is same point as 7090.0276 but removal of soil and rock has increased the terrain effect by about 0.01 mGal.

** Station 6491.0147 is now overlain by 0.1 m of new concrete. Station 7390.0247 is located on this new concrete within one metre horizontally of 6491.0147.

TABLE 10. GROUND TIE RESULTS 1973

Place & IGC Letters	BMR Station Numbers		Number of meters	Gravity difference (A-B)	k	m μ Gal	M μ Gal
	A	B		Soviet Scale mGal			
Laiagam L-J	7390.1029	6791.9029	4	+0.174	12	13	4
Mount Hagen M-K	7390.0178	6791.0178	4	-0.537	31	13	2
Lae M-K	7390.0177	6791.0177	4	+0.648	32	15	3
Port Moresby T-L	7390.0176	6791.0476	4	+0.629	28	19	4
Port Moresby Q-V	7090.0176	7390.0376	4	+52.366	8	11	4
Port Moresby D-T	7090.0576	7390.0176	3	+3.609	9	14	5
Port Moresby T-U	7390.0176	7390.0276	4	+0.484	12	12	4
Iron Range L-K	7390.1073	6600.0025	4	-0.312	32	13	2
Cooktown M-L	7390.1072	7090.1072	4	+0.194	35	11	2
Townsville Q-O	7390.0151	7090.0151	4	+0.233	40	13	2
Mackay M-J	7390.0160	6491.0161	4	-0.106	36	12	2
Rockhampton M-K	7390.0149	6499.0149	4	+0.445	40	12	2
Brisbane S-R	7390.0147	7213.0147	4	+0.364	35	12	2
Brisbane D-N	6091.0147	6091.0247	4	+58.248	19	9	2
Brisbane D-S	6091.0147	7390.0147	4	+9.143	12	10	3
Brisbane S-T	7390.0147	7390.0247	4	+0.680	12	14	4
Kempsey L-J	7390.1111	6491.9111	4	-0.081	40	13	2
Sydney X-T	7390.0105	6891.0305	4	+0.515	52	10	1
Sydney V-A	6891.0105	5099.9905	4	+13.003	12	15	4
Sydney X-A	7390.0105	5099.9905	4	+14.313	11	23	7
Sydney X-V	7390.0105	6891.0105	4	+1.310	12	15	5
Sydney X-U	7390.0105	7090.0105	4	+3.352	12	15	4
Sydney T-U	6891.0305	7090.0105	4	+2.837	12	16	5
Canberra P-M	7390.0104	6893.0104	4	+0.595	39	18	3
Canberra L-K	6491.0304	6491.0204	4	+54.776	23	20	4
Melbourne W-M	7390.0101	6491.0101	4	+0.046	38	14	2
Melbourne M-V	6491.0101	7213.0101	4	+15.677	4	18	9
Flinders Island K-L	7390.1140	6491.9140	4	-0.233	41	16	2
Hobart P-K	7390.0160	6491.0160	4	+0.328	23	14	3
Hobart K-Q	6491.0160	7390.0260	4	+1.262	8	17	6

differences obtained by LaCoste & Romberg gravity meters (Appendix 6). These gravity values are defined as the 1974 Isogal values. Descriptions of the important airport stations are given in Appendix 7.

The gravity values for ACL stations have increased dramatically in precision in the last 23 years. This is shown by the decrease in the root-mean-square differences between earlier gravity values and 1974 Isogal values, when the values have been placed on the same scale. Along the ACL the precision relative to 1974 Isogal values (root-mean-square error) is 0.43 mGal for the 1950-51 Cambridge pendulum survey (Dooley et al., 1961), 0.16 mGal for the 1962 network adjustment of Dooley (1965), 0.10 mGal for the 1965 Isogal values, and 0.04 mGal for the values of the 1970 ACL survey as given by R. J. S. Cooke (pers. comm.). It is estimated that the precision of the 1974 Isogal values is about 0.01 mGal.

The precision of measurement obtainable using LaCoste & Romberg gravity meters is determined mainly by their drift characteristics. Figures 12 and 13 illustrate the tide-corrected drift of the LaCoste gravity meters during the 1970 and 1973 surveys. The drift was calculated relative to the first reading of the survey,

TABLE 11. CALIBRATION RANGE RESULTS

<i>Range</i>	<i>Present Value (Barlow, 1967)</i>	<i>LaCoste 1965-73 Soviet milligal</i>				<i>Worden & Sharpe 1970 Soviet milligal</i>				<i>Accepted Value Soviet milligal</i>
		<i>Mean</i>	<i>k</i>	<i>m</i>	<i>M</i>	<i>Mean</i>	<i>k</i>	<i>m</i>	<i>M</i>	
Port Moresby Q-V	—	52.367	5	9	4	52.344	4	24	12	52.36
Townsville L-M	60.51	60.555	6	44	17	60.542	6	20	8	60.55
Brisbane D-N	58.26	58.251	10	14	5	58.257	5	15	7	58.25
Sydney N-O	58.99	59.011	4	26	13	59.003	6	25	10	59.01
Canberra L-K	54.76	54.774	7	10	4	54.768	10	9	3	54.77
Melbourne P-Q	53.04	53.026	6	27	11	53.065	6	10	4	53.04
Hobart L-M	54.71	54.644	1	—	—	54.660	5	26	12	54.65

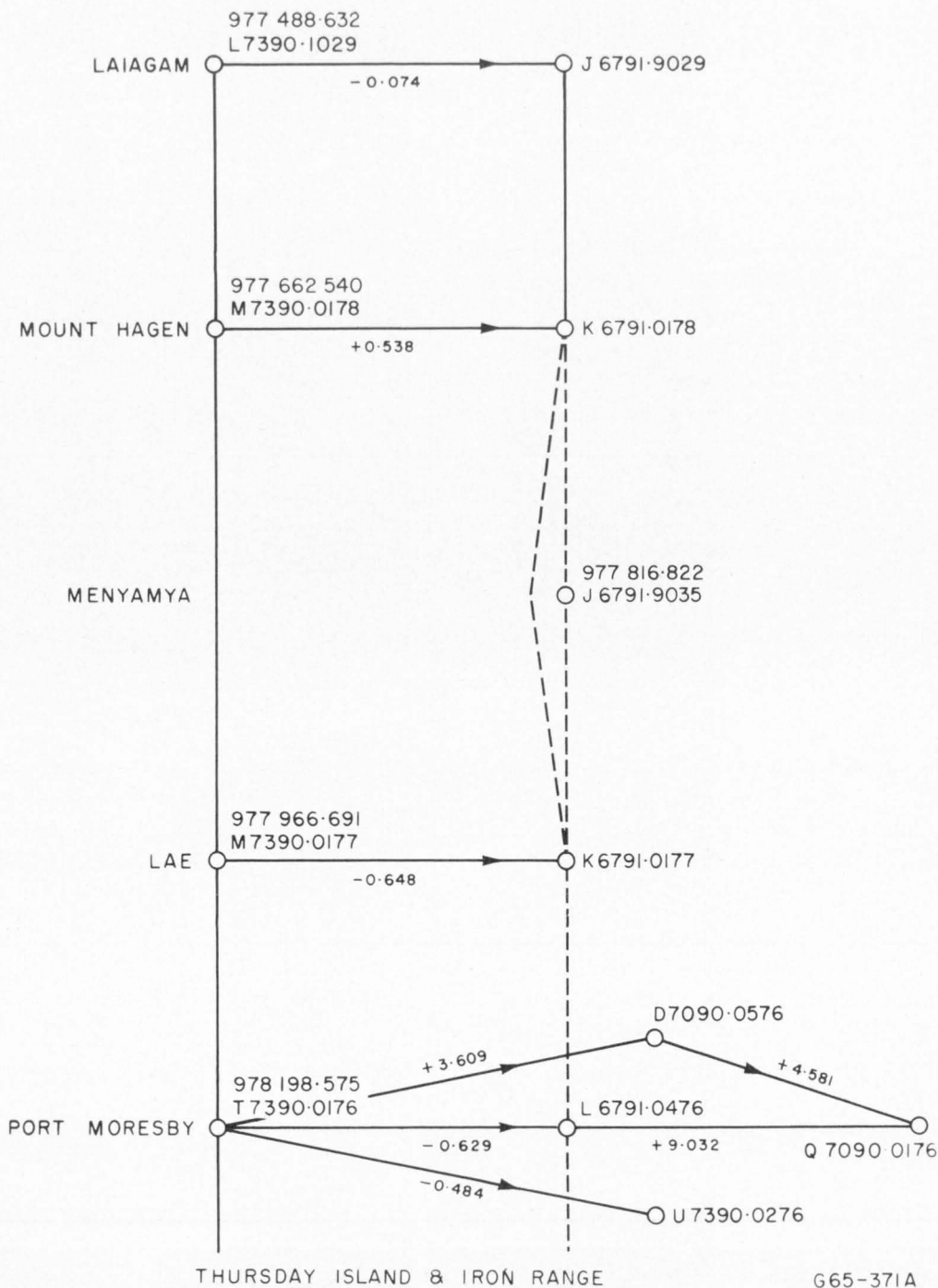


Fig. 11a. Schema of Australian Calibration Line ties.

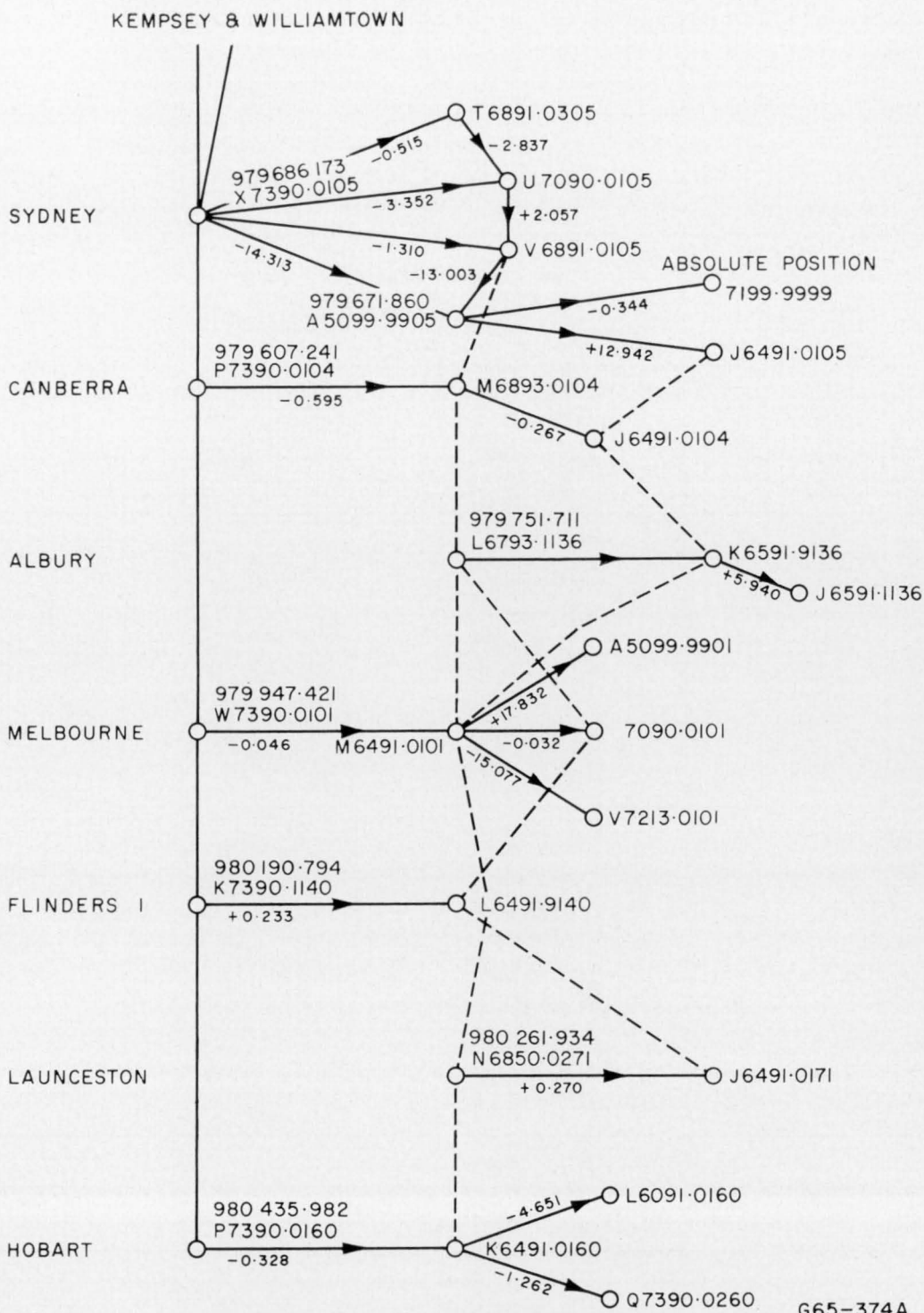
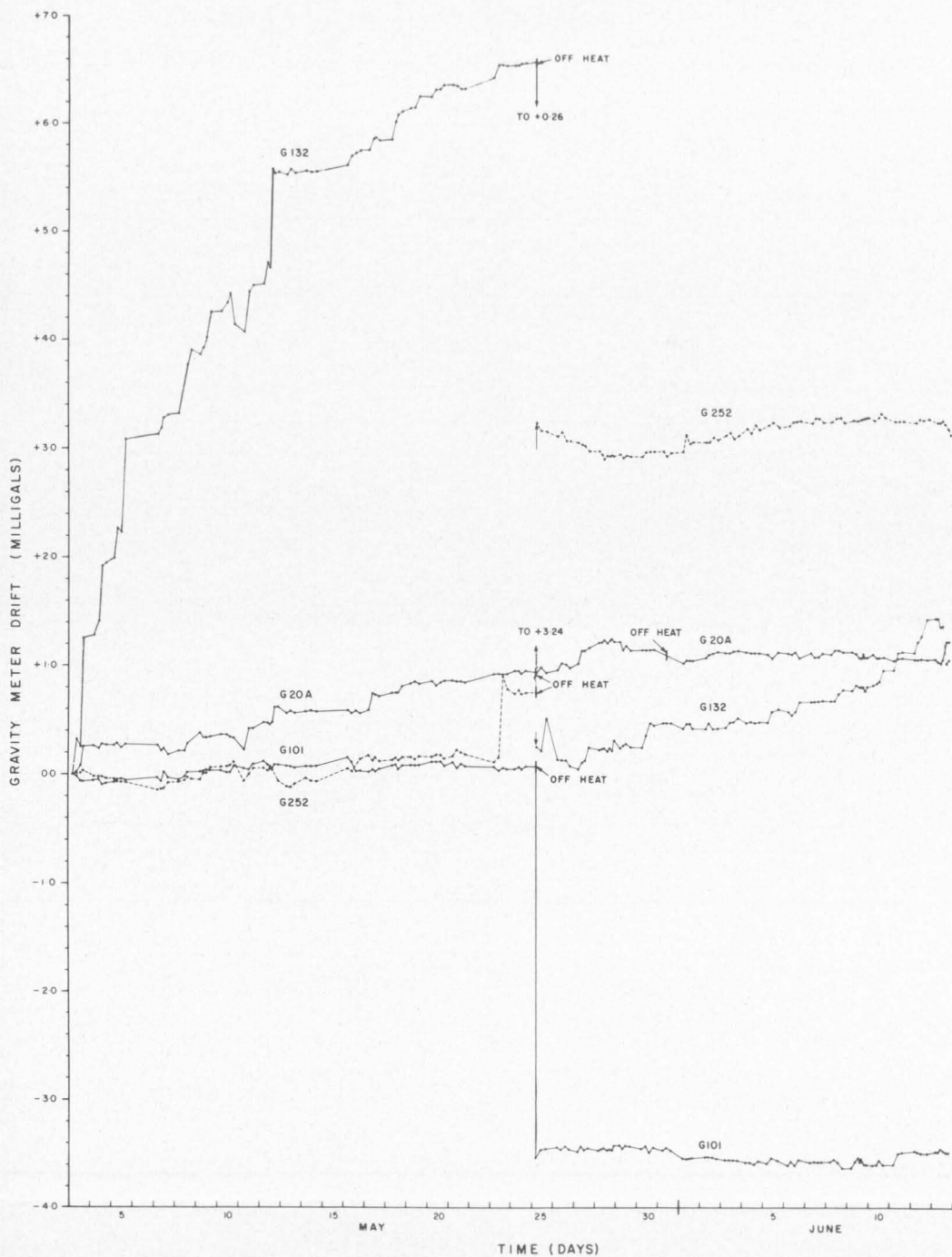


Fig. 11d. Schema of Australian Calibration Line ties.



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Fig. 12. Long-term drift of LaCoste & Romberg gravity meters during the 1973 survey.

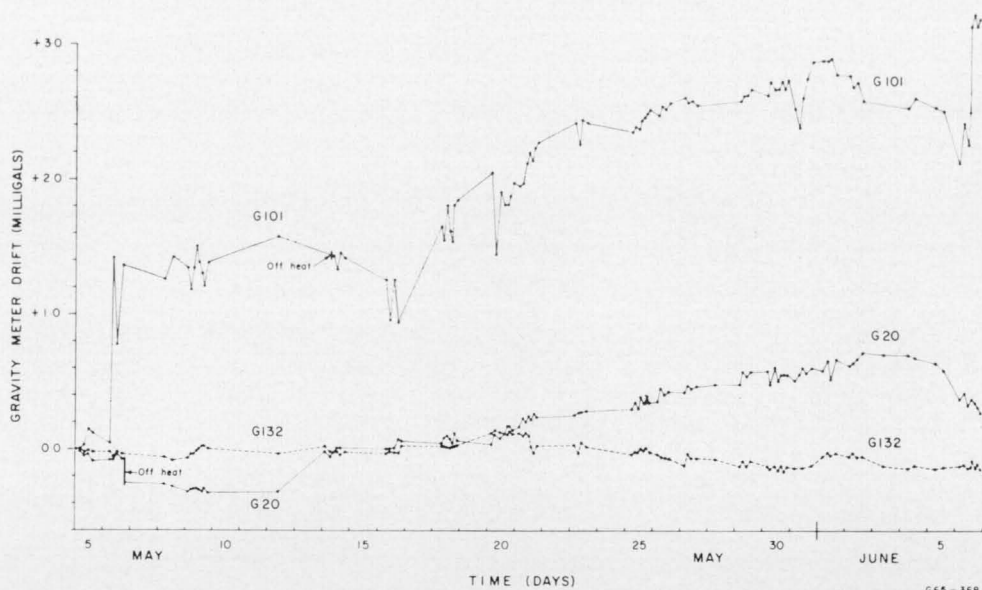


Fig. 13. Long-term drift of LaCoste & Romberg gravity meters during the 1970 survey.

using the 1974 Isogal values and the scale correction for the gravity meters given in Table 5. The drift is thought to consist of two types of behaviour: (a) a low rate of drift, that may be true drift or consist of numerous small positive and negative tares (0.01 mGal), and (b) a high rate of drift, that is thought to consist of numerous tares of about 0.1 mGal, tares of one sign predominating. Both types of behaviour are interrupted by large tares, in the order of 1 mGal, that are in some cases associated with the meter temperature dropping below the correct operating temperature. When meters have a high rate of drift their results are generally unusable for accurate work. In 1973 the meter G132 changed from a high rate of drift to a low rate after the meter temperature temporarily dropped below the operating temperature.

When LaCoste & Romberg gravity meters have a low rate of drift the individual measured intervals have a standard deviation near 0.015 mGal, as can be seen from the 1973 ground tie results (Table 10). By taking repeated readings on a set of LaCoste & Romberg meters with low drift rate, a small gravity interval can be measured with an uncertainty in the mean of about $0.015/\sqrt{n}$, where n is the number of determinations of the interval. Where the gravity interval is large a similar precision should be possible, but the meters must be properly calibrated and the drift must be kept low by minimizing the travelling time between stations. Some of the gravity observations used to calculate the 1974 Isogal values are not of this high standard, so the precision of the gravity values along the ACL could be increased significantly by further surveys and an analysis using only observations with a high internal consistency. The 1973 survey was of sufficient precision that if there is significant secular variation of gravity it should be recognizable within a few years by differences between the 1973 survey results and the results of a later survey of similar accuracy.

6. AUSTRALIAN GRAVITY SCALE

The gravity scale defined by the GAG-2 gravity meter results along the ACL can be compared with the scale of the pendulum results in Australia, and pendulum and absolute apparatus results overseas, by using gravity meter ground ties and using major surveys with LaCoste & Romberg gravity meters.

Three types of relative pendulum apparatus have been used to make observations in Australia that define gravity scale. During 1950-51, fifty-nine sites were observed with the Cambridge pendulums using mu-metal screens (Dooley et al., 1961). The scale defined by the results (without magnetic correction) is the same within experimental error as the 'milligal' that was used in the 1962 Network adjustment (Dooley, 1965), the 'mean Australian milligal' that was used for the 1965 Isogal values (Barlow, 1970), and the 1970 ACL values of R. J. S. Cooke (pers. comm.). In 1956-57 and 1958 the University of Wisconsin made observations with Gulf pendulums at six cities. These pendulum observations have been analysed statistically by Rose (Woollard & Rose, 1963, pp. 303-339), and have also been analysed by Woollard using gravity meter results to find and correct for tares (Woollard & Rose, 1963, pp. 453-518). GSI pendulums have been used by the Geographical Survey Institute of Japan to make gravity ties between Tokyo and four Australian cities in the period 1959 to 1970 (National Committee for Geodesy & Geophysics of Japan, 1960, 1970).

When the scale difference between the GAG-2 ACL values and these other gravity values is calculated (Table 12, Fig. 14), it is found that the GAG-2 scale is 5 parts in 10^4 larger than the scale of the 1950-51 Cambridge pendulum, about 2 parts in 10^4 smaller than the few Gulf pendulum results, and cannot be compared to sufficient accuracy with the GSI pendulum results.

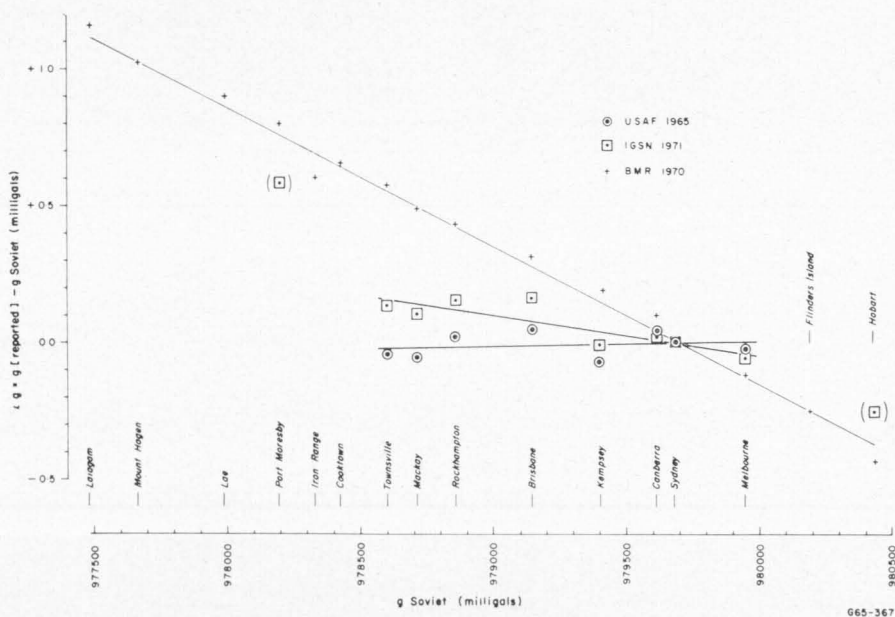


Fig. 14. Comparison of previous scale with Soviet scale on the Australian Calibration Line.

TABLE 12. COMPARISON OF THE GAG-2 ACL SCALE WITH OTHER SCALES

<i>Apparatus defining scale</i>	<i>Other apparatus</i>	<i>Reference to gravity values used</i>	<i>Other scale</i> = 1 + B		<i>Number of stations used</i> <i>ACL WPCL</i>		<i>Root-mean-square deviation, mGal</i>
			<i>GAG-2 scale</i> B × 10 ⁴	S _B × 10 ⁴			
Cambridge pendulums 1950-51 in Australia	Gravity meters	R. J. S. Cooke, pers. comm.	-5.08	0.11	15		0.04*
Gulf pendulums 1956-57, 1958 in Australia	—	Rose, 1963	+1.95	1.99	5		0.25
	Gravity meters	Woollard, 1963	+2.13	0.61	5		0.08
GSI pendulums 1959-1970 in Australia	—	Japanese Government 1959, 1970	+1.21	17.54	4		1.07
Gulf & Cambridge pendulums in Australia	Gravity meters	IGSN71 ACL values of C. Morelli, pers. comm.	-1.49	0.36	8		0.05
Overseas Gulf and Cambridge pendulum results	USAF 1964-65 LaCoste intervals used to compare scales, Whalen, 1966	Rose, 1963	+0.032	0.75	8	24	
		Woollard, 1963	-0.21	0.63	8	24	
Absolute and relative pendulum apparatus on the WPCL	USAF 1964-65 LaCoste intervals used to compare scales, Whalen, 1966	IGSN71 WPCL values of C. Morelli, pers. comm.	G43 +0.82	0.56	8	8	
			G44 -0.30	0.42	8	8	
			G47 +0.12	0.31	8	8	
			G48 +0.14	0.23	8	8	
OVM relative pendulums on Soviet Calibration Line	GAG-2 gravity meters to compare scales	—	(Mean -0.20	0.23)	8	8	
			+0.50	0.37			

* 0.43 mGal for pendulum values of Dooley et al. (1961)

The international results of the Gulf pendulums, the Cambridge pendulums with Helmholtz coil for magnetic compensation, and the absolute measurements are thought by Woollard (Woollard & Rose, 1963, p. 166) and R. K. McConnell (pers. comm., International Gravity Commission meeting 1970) to give scales that agree within experimental error. Whalen (1966) has compared the scale used on the 1964-65 US Air Force survey with the worldwide Gulf and Cambridge pendulum values calculated by Rose (loc. cit.) and calculated by Woollard (Woollard & Rose, 1963, pp. 127-169). The mean scale used on this US Air Force survey is calculated here to be (1.691 ± 3.675) parts in 10^5 larger than the GAG-2 scale on the ACL. Using these results it is found (Table 12) that the scale of the pendulum values of Rose (loc. cit.) and Woollard (loc. cit.) is not significantly different from the GAG-2 ACL scale.

The GAG-2 ACL scale can also be compared with the IGSN71 Western Pacific Calibration Line (WPCL) scale controlled by both absolute measurements and relative pendulum measurements. From the results of each meter on the US Air Force 1964-65 survey gravity values have been computed for principal airport stations and these values have been compared with the IGSN71 WPCL values (C. Morelli, pers. comm.), and GAG-2 ACL values. The results for each meter show that the scales are the same within experimental error, and the weighted mean result suggests a scale difference of $+(0.02 \pm 0.18)$ parts in 10^4 ; that is, the scales are the same to within 2 parts in 10^5 .

In September 1973 the scale of GAG-2 gravity meters that were used on the ACL was confirmed on the Soviet Calibration Line of 2.4 Gal. The gravity interval along this line is known from OVM pendulum work to an accuracy of 0.060 mGal. The GAG-2 gravity meter results differed from the pendulum value by -0.12 ± 0.058 mGal, so the difference in scale between the OVM pendulums and GAG-2 gravity meters is not significant (ratio = 0.999950 ± 0.000038).

The GAG-2 ACL scale seems to be within 1 part in 10^4 of the overseas scales of the Gulf and Cambridge pendulums, of the scale of the IGSN71 values on the WPCL, and of the scale of the OVM pendulums on the Soviet Calibration Line (Table 12). The significant differences between the GAG-2 scale and the scale of the Cambridge pendulums with mu-metal magnetic screens can be attributed to magnetic effects on the Cambridge pendulums. The difference between the GAG-2 ACL scale and the scale defined by the Gulf pendulum ACL results is more difficult to explain, but the difference is not thought to be significant when allowance is made for the precision of the original observations. The GAG-2 ACL gravity scale is the most precise gravity scale defined in Australia. Comparisons with overseas scales suggest that it has an accuracy better than 1 part in 10^4 .

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APPENDIX 1A GAG-2 No. 1 1973

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr. (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Canberra P		7390.0104	05	03	08.33	— .08	023.18
Melbourne W		7390.0101	05	03	12.00	— .01	363.52
Canberra P		7390.0104	05	03	15.18	— .07	023.51
Melbourne W		7390.0101	05	03	19.10	— .08	364.69
Melbourne W		7390.0101	05	04	08.20	— .10	020.14
Flinders Island K		7390.1140	05	04	10.80	— .06	263.41
Melbourne W		7390.0101	05	04	13.80	— .03	020.26
Flinders Island K		7390.1140	05	04	16.63	— .09	263.48
Flinders Island K		7390.1140	05	05	08.37	— .09	016.53
Hobart P		7390.0160	05	05	10.83	— .08	261.74
Flinders Island K		7390.1140	05	05	13.70	— .05	016.68
Hobart P		7390.0160	05	05	16.40	— .09	261.97
Hobart P		7390.0160	05	07	07.33	— .00	262.62
Flinders Island K		7390.1140	05	07	10.35	— .08	017.52
Hobart P		7390.0160	05	07	13.03	— .08	262.92
Flinders Island K		7390.1140	05	07	15.92	— .05	017.80
Flinders Island K		7390.1140	05	08	07.12	+ .05	018.09
Hobart P		7390.0160	05	08	09.85	— .05	263.45
Flinders Island K		7390.1140	05	08	12.38	— .08	018.53
Flinders Island K		7390.1140	05	09	06.93	+ .06	270.08
Melbourne W		7390.0101	05	09	09.78	— .01	026.95
Flinders Island K		7390.1140	05	09	12.47	— .07	270.33
Melbourne W		7390.0101	05	09	15.27	— .06	027.01
Melbourne W		7390.0101	05	10	06.90	+ .06	372.87
Canberra P		7390.0104	05	10	09.90	+ .00	032.45
Melbourne W		7390.0101	05	10	13.70	— .07	372.51
Canberra P		7390.0104	05	10	16.60	— .03	032.54
Canberra P		7390.0104	05	11	07.30	+ .05	033.04
Melbourne W		7390.0101	05	11	10.97	— .01	373.18
Canberra P		7390.0104	05	11	13.57	— .07	033.20
Canberra P		7390.0104	05	12	07.13	+ .02	033.76
Sydney X		7390.0105	05	12	10.03	+ .03	112.82
Canberra P		7390.0104	05	12	12.33	— .04	033.91
Sydney X		7390.0105	05	12	14.50	— .07	112.72
Canberra P		7390.0104	05	12	17.07	— .03	034.11
Sydney X		7390.0105	05	12	18.93	+ .05	113.06
Sydney A		5099.9905	05	13	12.13	— .02	099.64
Sydney X		7390.0105	05	13	13.30	— .05	113.91
Sydney A		5099.9905	05	13	14.60	— .07	099.69
Sydney X		7390.0105	05	13	15.77	— .07	114.15
Sydney A		5099.9905	05	13	17.07	— .04	100.02
Sydney X		7390.0105	05	16	07.20	— .07	327.89
Kempsey L		7390.1111	05	16	09.97	+ .01	054.06
Sydney X		7390.0105	05	16	12.37	— .01	327.90
Kempsey L		7390.1111	05	16	15.02	— .07	054.12
Kempsey L		7390.1111	05	17	07.07	— .08	302.47
Brisbane S		7390.0147	05	17	09.73	— .00	036.32
Kempsey L		7390.1111	05	17	12.75	— .00	302.51
Brisbane S		7390.0147	05	17	15.28	— .06	036.79

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr. (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Brisbane S		7390.0147	05	18	06.73	— .08	314.95
Rockhampton M		7390.0149	05	18	09.75	— .01	029.24
Brisbane S		7390.0147	05	18	13.13	+ .01	315.33
Rockhampton M		7390.0149	05	18	16.10	— .06	029.61
Rockhampton M		7390.0149	05	19	06.32	— .07	160.68
Mackay M		7390.0161	05	19	09.27	— .05	020.12
Rockhampton M		7390.0149	05	19	11.58	+ .02	160.79
Rockhampton M		7390.0149	05	20	07.27	— .06	161.16
Mackay M		7390.0161	05	20	09.52	— .05	020.80
Rockhampton M		7390.0149	05	20	11.87	+ .01	161.48
Mackay M		7390.0161	05	20	13.97	+ .03	020.80
Mackay M		7390.0161	05	21	07.03	— .04	125.14
Townsville Q		7390.0151	05	21	09.88	— .05	015.35
Mackay M		7390.0161	05	21	12.52	+ .01	125.30
Townsville Q		7390.0151	05	21	14.97	+ .03	015.48
Townsville Q		7390.0151	05	23	06.83	+ .03	232.85
Cooktown M		7390.1072	05	23	09.98	— .04	050.39
Townsville Q		7390.0151	05	23	13.03	— .01	232.24
Cooktown M		7390.1072	05	23	16.23	+ .05	050.52
Cooktown M		7390.1072	05	24	07.30	+ .05	129.85
Iron Range L		7390.1073	05	24	09.93	— .02	033.41
Cooktown M		7390.1072	05	24	13.03	— .02	130.02
Iron Range L		7390.1073	05	24	16.10	+ .05	033.54
Iron Range L		7390.1073	05	25	06.90	+ .09	151.52
Port Moresby T		7390.0176	05	25	10.90	— .01	018.99
Iron Range L		7390.1073	05	25	14.75	— .00	151.89
Port Moresby T		7390.0176	05	25	18.42	+ .08	019.27
Port Moresby T		7390.0176	05	26	07.58	+ .09	273.43
Lae M		7390.0177	05	26	10.37	+ .03	035.57
Port Moresby T		7390.0176	05	26	12.83	— .03	237.50
Lae M		7390.0177	05	26	15.80	+ .02	035.77
Lae M		7390.0177	05	27	07.22	+ .10	377.49
Mount Hagen M		7390.0178	05	27	09.77	+ .09	043.44
Lae M		7390.0177	05	27	12.00	— .00	377.62
Mount Hagen M		7390.0178	05	27	14.55	— .04	043.53
Mount Hagen M		7390.0178	05	28	09.03	+ .12	204.92
Laiagam L		7390.1029	05	28	10.77	+ .09	031.23
Mount Hagen M		7390.0178	05	28	12.30	+ .03	205.19
Laiagam L		7390.1029	05	28	13.92	— .04	031.47
Mount Hagen M		7390.0178	05	28	15.70	— .05	205.35
Mount Hagen M		7390.0178	05	29	07.92	+ .08	017.84
Lae M		7390.0177	05	29	10.30	+ .12	352.05
Mount Hagen M		7390.0178	05	29	12.58	+ .05	018.06
Lae M		7390.0177	05	29	15.20	— .07	352.15
Lae M		7390.0177	05	30	07.30	+ .01	017.99
Port Moresby T		7390.0176	05	30	09.97	+ .12	220.00
Lae M		7390.0177	05	30	12.73	+ .07	018.15
Port Moresby T		7390.0176	05	30	15.93	— .09	220.17

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr. (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Port Moresby T		7390.0176	06	02	07.75	— .09	019.46
Iron Range L		7390.1073	06	02	11.10	+ .04	152.43
Port Moresby T		7390.0176	06	02	14.83	+ .06	019.88
Iron Range L		7390.1073	06	02	18.23	— .10	152.73
Iron Range L		7390.1073	06	03	06.97	— .08	016.58
Cooktown M		7390.1072	06	03	09.90	— .06	113.44
Iron Range L		7390.1073	06	03	12.47	+ .06	016.91
Cooktown M		7390.1072	06	03	15.43	+ .04	113.44
Cooktown M		7390.1072	06	04	07.47	— .05	018.76
Townsville Q		7390.0151	06	04	10.10	— .07	200.86
Cooktown M		7390.1072	06	04	13.58	+ .06	018.97
Townsville Q		7390.0151	06	04	16.40	+ .03	201.15
Townsville Q		7390.0151	06	05	07.13	— .00	201.35
Cooktown M		7390.1072	06	05	09.97	— .07	019.74
Townsville Q		7390.0151	06	05	12.87	+ .01	201.72
Townsville Q		7390.0151	06	06	07.53	+ .02	016.52
Mackay M		7390.0161	06	06	09.87	— .06	126.64
Townsville Q		7390.0151	06	06	12.42	— .03	016.94
Mackay M		7390.0161	06	06	14.88	+ .04	126.81
Mackay M		7390.0161	06	07	07.20	+ .05	016.31
Rockhampton M		7390.0149	06	07	09.80	— .04	157.03
Mackay M		7390.0161	06	07	11.77	— .05	016.59
Rockhampton M		7390.0149	06	07	14.13	— .01	157.03
Rockhampton M		7390.0149	06	08	07.37	+ .05	017.13
Brisbane S		7390.0147	06	08	10.47	— .04	303.04
Rockhampton M		7390.0149	06	08	13.93	— .03	017.40
Brisbane S		7390.0147	06	08	16.88	+ .05	303.51
Brisbane S		7390.0147	06	10	07.23	+ .03	018.46
Kempsey L		7390.1111	06	10	10.20	— .02	284.84
Brisbane S		7390.0147	06	10	12.90	— .06	018.80
Kempsey L		7390.1111	06	10	15.83	— .02	285.09
Kempsey L		7390.1111	06	11	07.53	— .00	285.36
Brisbane S		7390.0147	06	11	10.10	+ .01	019.42
Kempsey L		7390.1111	06	11	12.90	— .06	285.67
Kempsey L		7390.1111	06	12	07.20	— .03	016.93
Sydney X		7390.0105	06	12	09.98	— .01	290.79
Kempsey L		7390.1111	06	12	13.23	— .06	017.01
Sydney X		7390.0105	06	12	15.98	— .06	291.13
Sydney X		7390.0105	06	13	07.27	— .05	149.32
Canberra P		7390.0104	06	13	10.13	— .02	070.57
Sydney X		7390.0105	06	13	12.38	— .04	149.46
Canberra P		7390.0104	06	13	14.70	— .07	070.78
Sydney X		7390.0105	06	13	17.18	— .05	149.79

APPENDIX 1B GAG-2 No. 2 1973

IGC Name	Station	BMR No.	Date and Time (EST)			E.T. Corr. (mGal)	Corrected Reading (mGal)
			M	D	H		
Canberra P		7390.0104	05	03	08.62	—08	019.18
Melbourne W		7390.0101	05	03	12.20	—01	359.99
Canberra P		7390.0104	05	03	15.48	—08	019.71
Melbourne W		7390.0101	05	03	19.53	—06	360.00
Melbourne W		7390.0101	05	04	07.57	—10	019.42
Flinders Island K		7390.1140	05	04	10.43	—07	263.05
Melbourne W		7390.0101	05	04	13.22	—08	019.88
Flinders Island K		7390.1140	05	04	16.12	—09	263.47
Flinders Island K		7390.1140	05	05	07.68	—08	018.16
Hobart P		7390.0160	05	05	10.42	—09	263.78
Flinders Island K		7390.1140	05	05	13.10	—05	018.72
Hobart P		7390.0160	05	05	15.73	—08	264.04
Hobart P		7390.0160	05	07	07.40	—00	265.23
Flinders Island K		7390.1140	05	07	10.38	—08	020.25
Hobart P		7390.0160	05	07	13.25	—07	265.83
Flinders Island K		7390.1140	05	07	15.95	—05	020.62
Flinders Island K		7390.1140	05	08	07.20	+04	020.93
Hobart P		7390.0160	05	08	09.93	—05	266.21
Flinders Island K		7390.1140	05	08	12.43	—08	021.53
Flinders Island K		7390.1140	05	09	06.98	+06	271.15
Melbourne W		7390.0101	05	09	09.80	—01	028.21
Flinders Island K		7390.1140	05	09	12.55	—07	271.89
Melbourne W		7390.0101	05	09	15.47	—05	028.61
Melbourne W		7390.0101	05	10	07.00	+06	377.77
Canberra P		7390.0104	05	10	09.93	—00	037.79
Melbourne W		7390.0101	05	10	13.73	—07	378.28
Canberra P		7390.0104	05	10	16.63	—03	037.96
Canberra P		7390.0104	05	11	07.40	+05	038.58
Melbourne W		7390.0101	05	11	11.15	—02	379.31
Canberra P		7390.0104	05	11	13.60	—07	039.24
Canberra P		7390.0104	05	12	07.23	+02	039.56
Sydney X		7390.0105	05	12	10.10	+02	118.92
Canberra P		7390.0104	05	12	12.37	—04	040.06
Sydney X		7390.0105	05	12	14.57	—07	119.06
Canberra P		7390.0104	05	12	17.07	—03	040.30
Sydney X		7390.0105	05	12	19.00	+05	119.31
Sydney A		5099.9905	05	13	12.17	—02	105.78
Sydney X		7390.0105	05	13	13.37	—05	120.08
Sydney A		5099.9905	05	13	14.65	—07	106.07
Sydney X		7390.0105	05	13	15.80	—07	120.43
Sydney A		5099.9905	05	13	17.08	—04	106.22
Sydney X		7390.0105	05	16	07.20	—07	319.07
Kempsey L		7390.1111	05	16	09.97	+01	045.49
Sydney X		7390.0105	05	16	12.52	—01	319.58
Kempsey L		7390.1111	05	16	15.03	—07	045.86
Kempsey L		7390.1111	05	17	07.10	—08	317.30
Brisbane S		7390.0147	05	17	09.77	—00	051.39
Kempsey L		7390.1111	05	17	12.78	—00	317.67
Brisbane S		7390.0147	05	17	15.40	—06	051.89

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr. (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Brisbane S		7390.0147	05	18	06.77	— .08	324.11
Rockhampton M		7390.0149	05	18	09.80	— .01	038.70
Brisbane S		7390.0147	05	18	13.80	+ .01	324.82
Rockhampton M		7390.0149	05	18	16.13	— .06	039.18
Rockhampton M		7390.0149	05	19	06.83	— .07	160.34
Mackay M		7390.0161	05	19	09.30	— .05	020.30
Rockhampton M		7390.0149	05	19	11.63	+ .02	160.92
Rockhampton M		7390.0149	05	20	07.33	— .07	161.25
Mackay M		7390.0161	05	20	09.58	— .05	020.89
Rockhampton M		7390.0149	05	20	11.90	+ .01	161.69
Mackay M		7390.0161	05	20	14.00	+ .03	021.00
Mackay M		7390.0161	05	21	06.93	— .03	144.61
Townsville Q		7390.0151	05	21	09.87	— .05	034.89
Mackay M		7390.0161	05	21	12.47	+ .01	144.90
Townsville Q		7390.0151	05	21	14.93	+ .03	035.26
Townsville Q		7390.0151	05	23	06.87	+ .03	212.15
Cooktown M		7390.1072	05	23	09.60	— .03	030.77
Townsville Q		7390.0151	05	23	13.10	— .01	212.96
Cooktown M		7390.1072	05	23	16.13	+ .05	031.17
Cooktown M		7390.1072	05	24	07.28	+ .05	130.63
Iron Range L		7390.1073	05	24	09.87	— .02	034.33
Cooktown M		7390.1072	05	24	13.20	— .01	131.45
Iron Range L		7390.1073	05	24	15.65	+ .04	034.91
Iron Range L		7390.1073	05	25	06.88	+ .09	151.04
Port Moresby T		7390.0176	05	25	17.87	+ .08	019.04
Iron Range L		7390.1073	05	25	14.30	— .01	151.71
Port Moresby T		7390.0176	05	25	10.40	— .00	018.82
Port Moresby T		7390.0176	05	26	07.18	+ .10	244.06
Lae M		7390.0177	05	26	09.88	+ .04	042.40
Port Moresby T		7390.0176	05	26	12.47	— .03	244.59
Lae M		7390.0177	05	26	15.30	— .00	042.75
Lae M		7390.0177	05	27	06.80	+ .10	381.92
Mount Hagen M		7390.0178	05	27	09.30	+ .10	047.93
Lae M		7390.0177	05	27	11.67	+ .01	382.33
Mount Hagen M		7390.0178	05	27	13.93	— .04	048.28
Mount Hagen M		7390.0178	05	28	08.78	+ .12	209.02
Laiagam L		7390.1029	05	28	10.40	+ .10	035.29
Mount Hagen M		7390.0178	05	28	12.10	+ .04	209.43
Laiagam L		7390.1029	05	28	13.55	— .03	035.59
Mount Hagen M		7390.0178	05	28	15.38	— .06	209.68
Mount Hagen M		7390.0178	05	29	07.57	+ .07	016.61
Lae M		7390.0177	05	29	09.85	+ .13	350.93
Mount Hagen M		7390.0178	05	29	12.13	+ .07	017.05
Lae M		7390.0177	05	29	14.53	— .05	351.62
Lae M		7390.0177	05	30	06.77	— .01	029.34
Port Moresby T		7390.0176	05	30	09.45	+ .11	231.72
Lae M		7390.0177	05	30	12.27	+ .09	030.10
Port Moresby T		7390.0176	05	30	15.57	— .08	232.17

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr. (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Port Moresby T		7390.0176	06	02	07.23	— .11	020.47
Iron Range L		7390.1073	06	02	10.73	+ .03	153.75
Port Moresby T		7390.0176	06	02	14.20	+ .09	021.13
Iron Range L		7390.1073	06	02	17.70	— .08	154.14
Iron Range L		7390.1073	06	03	06.37	— .05	017.94
Cooktown M		7390.1072	06	03	09.37	— .07	114.81
Iron Range L		7390.1073	06	03	11.90	+ .04	018.61
Cooktown M		7390.1072	06	03	14.95	+ .06	115.33
Cooktown M		7390.1072	06	04	06.90	— .03	016.98
Townsville Q		7390.0151	06	04	09.87	— .07	199.34
Cooktown M		7390.1072	06	04	13.33	+ .06	017.96
Townsville Q		7390.0151	06	04	16.23	+ .03	199.91
Townsville Q		7390.0151	06	05	07.00	+ .01	200.30
Cooktown M		7390.1072	06	05	09.85	— .07	018.76
Townsville Q		7390.0151	06	05	12.55	— .00	200.84
Townsville Q		7390.0151	06	06	07.38	+ .03	017.79
Mackay M		7390.0161	06	06	09.67	— .05	127.82
Townsville Q		7390.0151	06	06	12.20	— .04	018.19
Mackay M		7390.0161	06	06	14.67	+ .03	128.28
Mackay M		7390.0161	06	07	07.17	+ .06	016.99
Rockhampton M		7390.0149	06	07	09.30	— .02	157.91
Mackay M		7390.0161	06	07	11.77	— .05	017.42
Rockhampton M		7390.0149	06	07	13.88	— .01	158.26
Rockhampton M		7390.0149	06	08	07.17	+ .06	020.88
Brisbane S		7390.0147	06	08	10.28	— .04	306.97
Rockhampton M		7390.0149	06	08	13.78	— .03	021.50
Brisbane S		7390.0147	06	08	16.67	+ .04	307.46
Brisbane S		7390.0147	06	10	07.22	+ .03	016.28
Kempsey L		7390.1111	06	10	10.00	— .01	283.01
Brisbane S		7390.0147	06	10	12.68	— .05	017.02
Kempsey L		7390.1111	06	10	15.70	— .03	283.40
Kempsey L		7390.1111	06	11	07.20	— .00	283.39
Brisbane S		7390.0147	06	11	09.90	+ .01	017.33
Kempsey L		7390.1111	06	11	12.80	— .06	283.91
Kempsey L		7390.1111	06	12	07.13	— .03	018.21
Sydney X		7390.0105	06	12	09.88	— .01	292.33
Kempsey L		7390.1111	06	12	12.80	— .05	018.73
Sydney X		7390.0105	06	12	15.55	— .07	292.66
Sydney X		7390.0105	06	13	07.05	— .06	156.49
Canberra P		7390.0104	06	13	10.07	— .02	077.91
Sydney X		7390.0105	06	13	12.40	— .04	157.26
Canberra P		7390.0104	06	13	14.63	— .07	078.35
Sydney X		7390.0105	06	13	16.93	— .05	157.33

APPENDIX 1C GAG-2 No. 3 1973

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr. (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Canberra P		7390.0104	05	03	08.73	— .07	025.82
Melbourne W		7390.0101	05	03	12.37	— .01	366.56
Canberra P		7390.0104	05	03	15.70	— .08	027.44
Melbourne W		7390.0101	05	03	19.68	— .05	366.99
Melbourne W		7390.0101	05	04	07.97	— .10	013.37
Flinders Island K		7390.1140	05	04	10.87	— .06	257.21
Melbourne W		7390.0101	05	04	13.63	— .03	013.96
Flinders Island K		7390.1140	05	04	16.43	— .09	257.64
Flinders Island K		7390.1140	05	05	07.93	— .09	025.57
Hobart P		7390.0160	05	05	10.73	— .08	271.08
Flinders Island K		7390.1140	05	05	13.47	— .05	026.12
Hobart P		7390.0160	05	05	15.97	— .08	271.52
Hobart P		7390.0160	05	07	07.73	— .01	275.28
Flinders Island K		7390.1140	05	07	10.67	— .08	030.46
Hobart P		7390.0160	05	07	13.53	— .07	275.87
Flinders Island K		7390.1140	05	07	16.23	— .05	031.04
Flinders Island K		7390.1140	05	08	07.48	+ .03	031.98
Hobart P		7390.0160	05	08	10.28	— .06	277.74
Flinders Island K		7390.1140	05	08	13.17	— .07	032.98
Flinders Island K		7390.1140	05	09	07.30	+ .05	265.22
Melbourne W		7390.0101	05	09	10.15	— .02	021.98
Flinders Island K		7390.1140	05	09	12.83	— .07	265.51
Melbourne W		7390.0101	05	09	15.83	— .05	022.45
Melbourne W		7390.0101	05	10	07.37	+ .06	364.19
Canberra P		7390.0104	05	10	10.23	— .01	024.55
Melbourne W		7390.0101	05	10	14.28	— .07	365.22
Canberra P		7390.0104	05	10	16.90	— .02	025.01
Canberra P		7390.0104	05	11	07.68	+ .05	026.01
Melbourne W		7390.0101	05	11	11.40	— .02	366.72
Canberra P		7390.0104	05	11	13.87	— .07	026.70
Canberra P		7390.0104	05	12	07.57	+ .03	028.12
Sydney X		7390.0105	05	12	10.35	+ .02	107.47
Canberra P		7390.0104	05	12	12.68	— .05	028.55
Sydney X		7390.0105	05	12	14.83	— .07	108.01
Canberra P		7390.0104	05	12	17.27	— .02	029.05
Sydney X		7390.0105	05	12	19.23	+ .05	108.33
Sydney A		5099.9905	05	13	12.33	— .02	095.47
Sydney X		7390.0105	05	13	13.62	— .06	110.02
Sydney A		5099.9905	05	13	14.85	— .08	095.79
Sydney X		7390.0105	05	13	16.03	— .06	110.29
Sydney A		5099.9905	05	13	17.27	— .03	096.09
Sydney X		7390.0105	05	16	07.50	— .06	313.58
Kempsey L		7390.1111	05	16	10.25	+ .01	039.83
Sydney X		7390.0105	05	16	12.90	— .02	313.95
Kempsey L		7390.1111	05	16	15.43	— .07	040.37
Kempsey L		7390.1111	05	17	07.43	— .07	308.77
Brisbane S		7390.0147	05	17	10.33	+ .01	043.01
Kempsey L		7390.1111	05	17	13.03	— .00	309.46
Brisbane S		7390.0147	05	17	15.83	— .07	043.45

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr. (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Brisbane S		7390.0147	05	18	07.20	— .08	321.51
Rockhampton M		7390.0149	05	18	10.03	— .00	036.04
Brisbane S		7390.0147	05	18	13.53	— .00	321.99
Rockhampton M		7390.0149	05	18	16.40	— .06	036.56
Rockhampton M		7390.0149	05	19	07.03	— .08	155.17
Mackay M		7390.0161	05	19	09.60	— .04	014.76
Rockhampton M		7390.0149	05	19	11.93	+ .02	155.73
Rockhampton M		7390.0149	05	20	07.57	— .07	156.87
Mackay M		7390.0161	05	20	09.87	— .04	016.46
Rockhampton M		7390.0149	05	20	12.23	+ .01	157.45
Mackay M		7390.0161	05	20	14.50	+ .02	016.94
Mackay M		7390.0161	05	21	07.27	— .04	159.44
Townsville Q		7390.0151	05	21	10.13	— .05	050.07
Mackay M		7390.0161	05	21	12.73	+ .02	160.34
Townsville Q		7390.0151	05	21	15.20	+ .03	050.75
Townsville Q		7390.0151	05	23	07.13	+ .02	206.62
Cooktown M		7390.1072	05	23	09.83	— .04	025.32
Townsville Q		7390.0151	05	23	13.33	— .00	207.29
Cooktown M		7390.1072	05	23	16.45	+ .04	025.81
Cooktown M		7390.1072	05	24	07.63	+ .04	141.09
Iron Range L		7390.1073	05	24	10.10	— .02	044.85
Cooktown M		7390.1072	05	24	13.47	— .01	141.68
Iron Range L		7390.1073	05	24	16.32	+ .05	045.40
Iron Range L		7390.1073	05	25	07.10	+ .09	148.19
Port Moresby T		7390.0176	05	25	10.70	— .01	015.77
Iron Range L		7390.1073	05	25	14.60	— .00	149.03
Port Moresby T		7390.0176	05	25	18.23	+ .08	016.47
Port Moresby T		7390.0176	05	26	07.45	+ .09	253.79
Lae M		7390.0177	05	26	10.17	+ .03	051.95
Port Moresby T		7390.0176	05	26	12.70	— .03	254.14
Lae M		7390.0177	05	26	15.57	+ .01	052.51
Lae M		7390.0177	05	27	07.13	+ .10	378.92
Mount Hagen M		7390.0178	05	27	09.57	+ .09	044.80
Lae M		7390.0177	05	27	11.97	— .00	379.02
Mount Hagen M		7390.0178	05	27	14.30	— .04	045.24
Mount Hagen M		7390.0178	05	28	08.97	+ .12	228.08
Laiagam L		7390.1029	05	28	10.77	+ .09	054.50
Mount Hagen M		7390.0178	05	28	12.30	+ .03	228.60
Laiagam L		7390.1029	05	28	13.82	— .03	054.82
Mount Hagen M		7390.0178	05	28	15.63	— .05	228.95
Mount Hagen M		7390.0178	05	29	07.77	+ .08	043.85
Lae M		7390.0177	05	29	10.10	+ .13	378.57
Mount Hagen M		7390.0178	05	29	12.67	+ .04	044.55
Lae M		7390.0177	05	29	14.90	— .06	378.96
Lae M		7390.0177	05	30	06.75	— .01	021.47
Port Moresby T		7390.0176	05	30	09.40	+ .11	223.53
Lae M		7390.0177	05	30	12.27	+ .09	021.94
Port Moresby T		7390.0176	05	30	15.53	— .08	224.02

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr. (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Port Moresby T		7390.0176	06	02	07.20	— .11	023.74
Iron Range L		7390.1073	06	02	10.93	+ .04	157.01
Port Moresby T		7390.0176	06	02	14.17	+ .09	024.40
Iron Range L		7390.1073	06	02	17.72	— .08	157.56
Iron Range L		7390.1073	06	03	06.40	— .05	016.93
Cooktown M		7390.1072	06	03	09.30	— .08	113.86
Iron Range L		7390.1073	06	03	11.90	+ .04	017.41
Cooktown M		7390.1072	06	03	14.93	+ .06	114.11
Cooktown M		7390.1072	06	04	06.83	— .03	027.44
Townsville Q		7390.0151	06	04	09.87	— .07	209.87
Cooktown M		7390.1072	06	04	13.37	+ .06	028.26
Townsville Q		7390.0151	06	04	16.17	+ .03	210.35
Townsville Q		7390.0151	06	05	06.77	+ .02	211.13
Cooktown M		7390.1072	06	05	09.72	— .07	029.59
Townsville Q		7390.0151	06	05	12.45	— .01	211.53
Townsville Q		7390.0151	06	06	07.22	+ .04	018.16
Mackay M		7390.0161	06	06	09.85	— .06	128.35
Townsville Q		7390.0151	06	06	12.17	— .04	018.78
Mackay M		7390.0161	06	06	14.57	+ .03	128.93
Mackay M		7390.0161	06	07	06.90	+ .06	017.89
Rockhampton M		7390.0149	06	07	09.43	— .03	158.92
Mackay M		7390.0161	06	07	11.52	— .05	018.39
Rockhampton M		7390.0149	06	07	13.87	— .01	159.32
Rockhampton M		7390.0149	06	08	07.07	+ .06	013.92
Brisbane S		7390.0147	06	08	10.10	— .03	299.96
Rockhampton M		7390.0149	06	08	13.53	— .04	014.57
Brisbane S		7390.0147	06	08	16.67	+ .04	300.63
Brisbane S		7390.0147	06	10	07.03	+ .03	013.38
Kempsey L		7390.1111	06	10	09.95	— .01	279.97
Brisbane S		7390.0147	06	10	12.60	— .05	014.12
Kempsey L		7390.1111	06	10	15.67	— .03	280.65
Kempsey L		7390.1111	06	11	07.20	— .00	281.46
Brisbane S		7390.0147	06	11	09.90	+ .01	015.65
Kempsey L		7390.1111	06	11	12.60	— .05	282.01
Kempsey L		7390.1111	06	12	06.98	— .03	013.65
Sydney X		7390.0105	06	12	09.70	— .01	287.88
Kempsey L		7390.1111	06	12	12.77	— .05	014.30
Sydney X		7390.0105	06	12	15.50	— .07	288.34
Sydney X		7390.0105	06	13	07.03	— .06	101.15
Canberra P		7390.0104	06	13	09.87	— .02	022.55
Sydney X		7390.0105	06	13	12.18	— .03	101.71
Canberra P		7390.0104	06	13	14.22	— .07	022.99
Sydney X		7390.0105	06	13	16.90	— .06	102.26

APPENDIX 1D GAG-2 No. 30 1973

IGC Name	Station	BMR No.	Date and Time (EST)			E.T. Corr. (mGal)	Corrected Reading (mGal)
			M	D	H		
Canberra P		7390.0104	05	03	08.33	— .08	021.42
Melbourne W		7390.0101	05	03	12.17	— .01	362.16
Canberra P		7390.0104	05	03	15.20	— .07	021.89
Melbourne W		7390.0101	05	03	19.05	— .08	362.27
Melbourne W		7390.0101	05	04	07.47	— .10	020.08
Flinders Island K		7390.1140	05	04	10.37	— .07	263.67
Melbourne W		7390.0101	05	04	13.30	— .03	020.47
Flinders Island K		7390.1140	05	04	16.15	— .09	264.00
Flinders Island K		7390.1140	05	05	07.67	— .08	016.17
Hobart P		7390.0161	05	05	10.40	— .09	261.56
Flinders Island K		7390.1140	05	05	13.37	— .05	016.27
Hobart P		7390.0160	05	05	15.72	— .08	262.03
Hobart P		7390.0160	05	07	07.37	— .00	263.96
Flinders Island K		7390.1140	05	07	10.33	— .07	018.84
meter went off heat							
Flinders Island K		7390.1140	05	08	07.17	+ .05	021.01
Hobart P		7390.0160	05	08	09.90	— .05	266.29
Flinders Island K		7390.1140	05	08	12.45	— .08	021.42
Flinders Island K		7390.1140	05	09	06.98	+ .06	296.64
Melbourne W		7390.0101	05	09	09.77	— .01	053.37
Flinders Island K		7390.1140	05	09	12.48	— .07	296.96
Melbourne W		7390.0101	05	09	15.30	— .06	053.79
Melbourne W		7390.0101	05	10	07.07	+ .06	373.40
Canberra P		7390.0104	05	10	09.92	— .00	033.32
Melbourne W		7390.0101	05	10	13.87	— .07	373.85
Canberra P		7390.0104	05	10	16.60	— .03	033.76
Canberra P		7390.0104	05	11	07.30	+ .05	034.55
Melbourne W		7390.0101	05	11	11.00	— .01	374.93
Canberra P		7390.0104	05	11	13.67	+ .07	035.08
Canberra P		7390.0104	05	12	07.22	+ .02	035.91
Sydney X		7390.0105	05	12	10.07	+ .03	115.08
Canberra P		7390.0104	05	12	12.37	— .03	036.24
Sydney X		7390.0105	05	12	14.55	— .07	115.36
Canberra P		7390.0104	05	12	17.07	— .03	036.53
Sydney X		7390.0105	05	12	18.97	+ .05	115.67
Sydney A		5099.9905	05	13	12.13	— .02	102.57
Sydney X		7390.0105	05	13	13.35	— .05	116.98
Sydney A		5099.9905	05	13	14.60	— .07	102.59
Sydney X		7390.0105	05	13	15.87	— .07	117.13
Sydney A		5099.9905	05	13	17.07	— .04	102.82
Sydney X		7390.0105	05	16	07.20	— .07	316.24
Kempsey L		7390.1111	05	16	09.97	+ .01	042.33
Sydney X		7390.0105	05	16	12.43	— .01	316.42
Kempsey L		7390.1111	05	16	15.02	— .07	042.66
Kempsey L		7390.1111	05	17	07.07	— .08	298.76
Brisbane S		7390.0147	05	17	10.03	— .00	032.76
Kempsey L		7390.1111	05	17	12.75	— .00	299.04
Brisbane S		7390.0147	05	17	15.40	— .06	033.20

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr. (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Brisbane S		7390.0147	05	18	06.73	— .08	311.11
Rockhampton M		7390.0149	05	18	09.83	— .01	025.60
Brisbane S		7390.0147	05	18	13.13	+ .01	311.53
Rockhampton M		7390.0149	05	18	16.15	— .06	025.86
Rockhampton M		7390.0149	05	19	06.83	— .07	173.84
Mackay M		7390.0161	05	19	09.27	— .05	033.27
Rockhampton M		7390.0149	05	19	11.83	+ .02	174.26
Rockhampton M		7390.0149	05	19	07.37	— .07	175.24
Mackay M		7390.0161	05	19	09.53	— .05	034.66
Rockhampton M		7390.0149	05	19	11.87	+ .01	175.46
Mackay M		7390.0161	05	19	14.03	+ .03	035.00
Mackay M		7390.0161	05	21	07.25	— .04	131.14
Townsville Q		7390.0151	05	21	10.13	— .05	021.53
Mackay M		7390.0161	05	21	12.73	+ .02	131.53
Townsville Q		7390.0151	05	21	15.23	+ .03	021.84
Townsville Q		7390.0151	05	23	07.00	+ .03	210.88
Cooktown M		7390.1072	05	23	10.13	— .04	029.17
Townsville Q		7390.0151	05	23	13.18	— .00	211.29
Cooktown M		7390.1072	05	23	16.50	+ .04	029.67
Cooktown M		7390.1072	05	24	07.43	+ .05	128.77
Iron Range L		7390.1073	05	24	10.13	— .02	032.42
Cooktown M		7390.1072	05	24	13.30	— .01	129.16
Iron Range L		7390.1073	05	24	16.03	+ .05	032.76
Iron Range L		7390.1073	05	25	07.13	+ .08	151.65
Port Moresby T		7390.0176	05	25	10.33	— .00	019.05
Iron Range L		7390.0173	05	25	14.32	— .01	152.18
Port Moresby T		7390.0176	05	25	17.83	+ .08	019.50
Port Moresby T		7390.0176	05	26	07.13	+ .10	235.65
Lae M		7390.0177	05	26	09.90	+ .04	033.91
Port Moresby T		7390.0176	05	26	12.45	— .03	235.91
Lae M		7390.0177	05	26	15.28	— .00	034.27
Lae M		7390.0177	05	27	06.83	+ .10	379.27
Mount Hagen M		7390.0178	05	27	09.27	+ .10	045.13
Lae M		7390.0177	05	27	11.60	+ .02	379.81
Mount Hagen M		7390.0178	05	27	14.08	— .04	045.70
Mount Hagen M		7390.0178	05	28	08.60	+ .12	204.44
Laiagam L		7390.1029	05	28	10.37	+ .10	030.59
Mount Hagen M		7390.0178	05	28	11.97	+ .04	204.69
Laiagam L		7390.1029	05	28	13.50	— .02	030.82
Mount Hagen M		7390.0178	05	28	15.33	— .06	204.93
Mount Hagen M		7390.0178	05	29	07.57	+ .07	022.76
Lae M		7390.0177	05	29	09.97	+ .13	357.30
Mount Hagen M		7390.0178	05	29	12.12	+ .07	023.17
Lae M		7390.0177	05	29	14.63	— .05	357.65
Lae M		7390.0177	05	30	06.77	— .01	017.52
Port Moresby T		7390.0176	05	30	09.53	+ .11	219.62
Lae M		7390.0177	05	30	12.27	+ .09	017.81
Port Moresby T		7390.0176	05	30	15.52	— .08	219.90

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr. (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Port Moresby T		7390.0176	06	02	07.18	— .11	028.07
Iron Range L		7390.1073	06	02	10.72	+ .02	161.27
Port Moresby T		7390.0176	06	02	14.20	+ .09	028.68
Iron Range L		7390.1073	06	02	17.93	— .09	161.72
Iron Range L		7390.1073	06	03	06.83	— .07	020.33
Cooktown M		7390.1072	06	03	09.45	— .07	117.11
Iron Range L		7390.1073	06	03	12.30	+ .06	020.74
Cooktown M		7390.1072	06	03	14.93	+ .06	117.41
Cooktown M		7390.1072	06	04	06.83	— .03	018.06
Townsville Q		7390.0151	06	04	09.90	— .07	200.35
Cooktown M		7390.1072	06	04	13.33	+ .06	018.69
Townsville Q		7390.0151	06	04	16.20	+ .03	200.78
Townsville Q		7390.0151	06	05	06.92	+ .01	201.59
Cooktown M		7390.1072	06	05	09.73	— .07	020.10
Townsville Q		7390.0151	06	05	12.60	— .00	202.03
Townsville Q		7390.0151	06	06	07.30	+ .03	018.12
Mackay M		7390.0161	06	06	09.67	— .05	128.27
Townsville Q		7390.0151	06	06	12.22	— .04	018.56
Mackay M		7390.0161	06	06	14.60	+ .03	128.52
Mackay M		7390.0161	06	07	06.90	+ .06	018.99
Rockhampton M		7390.0149	06	07	09.60	— .03	159.88
Mackay M		7390.0161	06	07	11.57	— .05	019.25
Rockhampton M		7390.0149	06	07	13.87	— .01	160.18
Rockhampton M		7390.0149	06	08	07.13	+ .06	017.48
Brisbane S		7390.0147	06	08	10.25	— .04	303.59
Rockhampton M		7390.0149	06	08	13.73	— .03	017.99
Brisbane S		7390.0147	06	08	16.67	+ .04	303.93
Brisbane S		7390.0147	06	10	07.03	+ .03	023.32
Kempsey L		7390.1111	06	10	09.97	— .01	289.73
Brisbane S		7390.0147	06	10	12.68	— .05	023.73
Kempsey L		7390.1111	06	10	15.67	— .02	266.23
Kempsey L		7390.1111	06	11	07.33	— .00	290.96
Brisbane S		7390.0147	06	11	09.92	+ .01	024.87
Kempsey L		7390.1111	06	11	12.63	— .05	291.30
Kempsey L		7390.1111	06	12	07.00	— .03	019.79
Sydney X		7390.0105	06	12	09.75	— .01	294.21
Kempsey L		7390.1111	06	12	13.03	— .05	020.48
Sydney X		7390.0105	06	12	15.57	— .07	294.68
Sydney X		7390.0105	06	13	07.05	— .06	155.44
Canberra P		7390.0104	06	13	09.90	— .02	076.63
Sydney X		7390.0105	06	13	12.20	— .03	155.74
Canberra P		7390.0104	06	13	14.45	— .07	076.88
Sydney X		7390.0105	06	13	16.97	— .05	156.24

APPENDIX 1E GAG-2 No. 39 1973

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr. (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Canberra P		7390.0104	05	03	08.60	— .08	024.66
Melbourne W		7390.0101	05	03	12.37	— .01	365.38
Canberra P		7390.0104	05	03	15.45	— .08	025.53
Melbourne W		7390.0101	05	03	19.40	— .06	365.87
Melbourne W		7390.0101	05	04	07.77	— .10	018.99
Flinders Island K		7390.1140	05	04	10.57	— .06	262.64
Melbourne W		7390.0101	05	04	13.53	— .03	019.44
Flinders Island K		7390.1140	05	04	16.40	— .09	263.14
Flinders Island K		7390.1140	05	05	07.98	— .09	017.23
Hobart P		7390.0160	05	05	10.62	— .08	262.63
Flinders Island K		7390.1140	05	05	13.58	— .05	017.75
Hobart P		7390.0160	05	05	15.93	— .08	263.18
Hobart P		7390.0160	05	07	07.53	— .00	265.72
Flinders Island K		7390.1140	05	07	10.67	— .08	020.97
Hobart P		7390.0160	05	07	13.25	— .07	266.36
Flinders Island K		7390.1140	05	07	15.97	— .05	021.40
Flinders Island K		7390.1140	05	08	07.43	+ .04	022.34
Hobart P		7390.0160	05	08	10.10	— .05	267.94
Flinders Island K		7390.1140	05	08	12.85	— .08	022.90
Flinders Island K		7390.1140	05	09	07.15	+ .06	259.86
Melbourne W		7390.0101	05	09	09.93	— .01	016.86
Flinders Island K		7390.1140	05	09	12.70	— .07	260.50
Melbourne W		7390.0101	05	09	15.60	— .05	017.33
Melbourne W		7390.0101	05	10	07.27	+ .06	371.25
Canberra P		7390.0104	05	10	10.13	— .00	031.51
Melbourne W		7390.0101	05	10	14.08	— .07	372.01
Canberra P		7390.0104	05	10	16.77	— .02	032.05
Canberra P		7390.0104	05	11	07.50	+ .05	032.91
Melbourne W		7390.0101	05	11	11.22	— .02	373.55
Canberra P		7390.0104	05	11	13.88	— .07	033.58
Canberra P		7390.0104	05	12	07.40	+ .03	034.65
Sydney X		7390.0105	05	12	10.27	+ .02	114.06
Canberra P		7390.0104	05	12	12.63	— .04	035.30
Sydney X		7390.0105	05	12	14.73	— .07	114.61
Canberra P		7390.0104	05	12	17.27	— .02	035.67
Sydney X		7390.0105	05	12	19.17	+ .05	114.79
Sydney A		5099.9905	05	13	12.30	— .02	101.64
Sydney X		7390.0105	05	13	13.52	— .06	115.80
Sydney A		5099.9905	05	13	14.75	— .07	101.85
Sydney X		7390.0105	05	13	16.02	— .07	116.28
Sydney A		5099.9905	05	13	17.20	— .04	102.12
Sydney X		7390.0105	05	16	07.35	— .07	315.87
Kempsey L		7390.1111	05	16	10.18	+ .01	042.39
Sydney X		7390.0105	05	16	12.67	— .01	316.50
Kempsey L		7390.1111	05	16	15.33	— .07	042.91
Kempsey L		7390.1111	05	17	07.30	— .08	305.64
Brisbane S		7390.0147	05	17	09.80	— .00	039.93
Kempsey L		7390.1111	05	17	12.93	— .00	306.31
Brisbane S		7390.0147	05	17	15.68	— .07	040.43

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr. (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Brisbane S		7390.0147	05	18	06.93	— .08	316.30
Rockhampton M		7390.0149	05	18	10.13	— .00	031.04
Brisbane S		7390.0147	05	18	13.30	+ .01	317.26
Rockhampton M		7390.0149	05	18	16.47	— .07	031.64
Rockhampton M		7390.0149	05	19	07.00	— .08	178.70
Mackay M		7390.0161	05	19	09.50	— .04	038.32
Rockhampton M		7390.0149	05	19	12.00	+ .03	179.23
Rockhampton M		7390.0149	05	20	07.60	— .07	180.45
Mackay M		7390.0161	05	20	09.70	— .05	040.30
Rockhampton M		7390.0149	05	20	12.13	+ .01	181.06
Mackay M		7390.0161	05	20	14.33	+ .03	040.62
Mackay M		7390.0161	05	21	07.45	— .04	135.35
Townsville Q		7390.0151	05	21	10.33	— .04	026.17
Mackay M		7390.0161	05	21	12.93	+ .02	135.99
Townsville Q		7390.0151	05	21	15.45	+ .03	026.66
Townsville Q		7390.0151	05	23	07.17	+ .02	210.22
Cooktown M		7390.1072	05	23	10.30	— .04	029.09
Townsville Q		7390.0151	05	23	13.33	— .00	211.05
Cooktown M		7390.1072	05	23	16.78	+ .04	029.43
Cooktown M		7390.1072	05	24	07.65	+ .04	127.36
Iron Range L		7390.1073	05	24	10.33	— .02	031.13
Cooktown M		7390.1072	05	24	13.52	— .01	127.98
Iron Range L		7390.1073	05	24	16.28	+ .05	031.64
Iron Range L		7390.1073	05	25	07.32	+ .08	154.15
Port Moresby T		7390.0176	05	25	10.60	— .01	021.82
Iron Range L		7390.1073	05	25	14.53	— .01	154.99
Port Moresby T		7390.0176	05	25	18.12	+ .08	022.49
Port Moresby T		7390.0176	05	26	07.38	+ .09	235.11
Lae M		7390.0177	05	26	10.15	+ .03	033.61
Port Moresby T		7390.0176	05	26	12.63	— .03	235.67
Lae M		7390.0177	05	26	15.55	+ .01	034.06
Lae M		7390.0177	05	27	07.02	+ .10	377.77
Mount Hagen M		7390.0178	05	27	09.52	+ .09	043.96
Lae M		7390.0177	05	27	11.80	+ .02	378.40
Mount Hagen M		7390.0178	05	27	14.30	— .04	044.78
Mount Hagen M		7390.0178	05	28	08.80	+ .12	207.28
Laiagam L		7390.1029	05	28	10.57	+ .10	033.46
Mount Hagen M		7390.0178	05	28	12.13	+ .04	207.62
Laiagam L		7390.1029	05	28	13.67	— .03	033.85
Mount Hagen M		7390.0178	05	28	15.53	— .05	207.89
Mount Hagen M		7390.0178	05	29	07.72	+ .07	020.23
Lae M		7390.0177	05	29	10.13	+ .13	354.71
Mount Hagen M		7390.0178	05	29	12.40	+ .06	020.92
Lae M		7390.0177	05	29	14.93	— .07	356.17
Lae M		7390.0177	05	30	07.30	+ .01	017.32
Port Moresby T		7390.0176	05	30	09.77	+ .11	219.52
Lae M		7390.0177	05	30	12.50	+ .08	017.96
Port Moresby T		7390.0176	05	30	15.72	— .08	220.12

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr. (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Port Moresby T		7390.0176	06	02	07.50	— .10	022.04
Iron Range L		7390.1073	06	02	10.93	+ .04	155.55
Port Moresby T		7390.0176	06	02	14.63	+ .07	022.95
Iron Range L		7390.1073	06	02	18.13	— .09	155.86
Iron Range L		7390.1073	06	03	06.95	— .08	018.75
Cooktown M		7390.1072	06	03	09.73	— .06	115.47
Iron Range L		7390.1073	06	03	12.27	+ .06	019.53
Cooktown M		7390.1072	06	03	15.23	+ .06	116.15
Cooktown M		7390.1072	06	04	07.40	— .05	017.51
Townsville Q		7390.0151	06	04	10.42	— .06	199.79
Cooktown M		7390.1072	06	04	13.77	+ .06	018.12
Townsville Q		7390.0151	06	04	16.70	+ .02	200.30
Townsville Q		7390.0151	06	05	07.30	— .00	201.19
Cooktown M		7390.1072	06	05	10.12	— .07	019.59
Townsville Q		7390.0151	06	05	13.03	+ .01	201.65
Townsville Q		7390.0151	06	06	07.70	+ .02	018.41
Mackay M		7390.0161	06	06	10.23	— .06	128.46
Townsville Q		7390.0151	06	06	12.53	— .03	019.18
Mackay M		7390.0161	06	06	15.00	+ .04	128.97
Mackay M		7390.0161	06	07	07.43	+ .05	018.85
Rockhampton M		7390.0149	06	07	09.80	— .04	159.69
Mackay M		7390.0161	06	07	12.00	— .05	019.41
Rockhampton M		7390.0149	06	07	14.45	— .00	160.60
Rockhampton M		7390.0149	06	08	07.47	+ .05	014.44
Brisbane S		7390.0147	06	08	10.53	— .04	300.51
Rockhampton M		7390.0149	06	08	13.93	— .03	015.15
Brisbane S		7390.0147	06	08	17.07	+ .05	301.10
Brisbane S		7390.0147	06	10	07.40	+ .03	016.19
Kempsey L		7390.1111	06	10	10.50	— .02	282.80
Brisbane S		7390.0147	06	10	12.97	— .06	016.80
Kempsey L		7390.1111	06	10	16.40	— .00	283.27
Kempsey L		7390.1111	06	11	07.63	— .00	284.30
Brisbane S		7390.0147	06	11	10.30	— .00	018.40
Kempsey L		7390.1111	06	11	13.03	— .06	284.77
Kempsey L		7390.1111	06	12	07.57	— .02	014.16
Sydney X		7390.0105	06	12	10.13	— .01	288.33
Kempsey L		7390.1111	06	12	13.23	— .06	014.77
Sydney X		7390.0105	06	12	16.00	— .06	288.88
Sydney X		7390.0105	06	13	07.48	— .05	103.22
Canberra P		7390.0104	06	13	10.27	— .02	024.58
Sydney X		7390.0105	06	13	12.53	— .04	103.63
Canberra P		7390.0104	06	13	14.80	— .07	024.92
Sydney X		7390.0105	06	13	17.32	— .04	104.46

APPENDIX 1F GAG-2 No. 40 1973

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr. (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Canberra P		7390.0104	05	03	08.80	— .07	021.85
Melbourne W		7390.0101	05	03	12.63	— .01	363.76
Canberra P		7390.0104	05	03	15.70	— .08	022.76
Melbourne W		7390.0101	05	03	19.72	— .05	363.72
Melbourne W		7390.0101	05	04	08.12	— .10	022.07
Flinders Island K		7390.1140	05	04	10.77	— .06	265.82
Melbourne W		7390.0101	05	04	13.80	— .03	022.83
Flinders Island K		7390.1140	05	04	16.62	— .10	266.46
Flinders Island K		7390.1140	05	05	08.23	— .09	018.35
Hobart P		7390.0160	05	05	10.87	— .08	263.82
Flinders Island K		7390.1140	05	05	13.75	— .05	018.99
Hobart P		7390.0160	05	05	16.15	— .08	264.52
Hobart P		7390.0160	05	07	07.73	— .01	267.65
Flinders Island K		7390.1140	05	07	10.83	— .08	023.20
Hobart P		7390.0160	05	07	13.43	— .07	268.67
Flinders Island K		7390.1140	05	07	16.18	— .05	023.69
Flinders Island K		7390.1140	05	08	07.67	+ .03	024.80
Hobart P		7390.0160	05	08	10.32	— .06	270.53
Flinders Island K		7390.1140	05	08	13.05	— .08	025.50
Flinders Island K		7390.1140	05	09	07.38	+ .05	273.01
Melbourne W		7390.0101	05	09	10.18	— .02	030.03
Flinders Island K		7390.1140	05	09	12.90	— .08	273.77
Melbourne W		7390.0101	05	09	15.87	— .05	030.66
Melbourne W		7390.0101	05	10	07.47	+ .06	374.28
Canberra P		7390.0104	05	10	10.37	— .01	034.58
Melbourne W		7390.0101	05	10	14.32	— .07	375.61
Canberra P		7390.0104	05	10	17.00	— .02	035.90
Canberra P		7390.0104	05	11	07.70	+ .05	037.99
Melbourne W		7390.0101	05	11	11.48	— .02	378.64
Canberra P		7390.0104	05	11	14.05	— .07	038.71
Canberra P		7390.0104	05	12	07.57	+ .03	039.11
Sydney X		7390.0105	05	12	10.47	+ .01	118.93
Canberra P		7390.0104	05	12	12.93	— .05	040.43
Sydney X		7390.0105	05	12	14.93	— .07	119.65
Canberra P		7390.0104	05	12	17.43	— .02	041.06
Sydney X		7390.0105	05	12	19.43	+ .06	120.35
Sydney A		5099.9905	05	13	12.53	— .03	107.89
Sydney X		7390.0105	05	13	13.67	— .06	122.44
Sydney A		5099.9905	05	13	14.92	— .08	108.05
Sydney X		7390.0105	05	13	16.17	— .06	122.61
Sydney A		5099.9905	05	13	17.43	— .02	108.43
Sydney X		7390.0105	05	16	07.57	— .06	317.56
Kempsey L		7390.1111	05	16	10.38	+ .01	043.83
Sydney X		7390.0105	05	16	12.97	— .02	318.05
Kempsey L		7390.1111	05	16	15.63	— .08	044.37
Kempsey L		7390.1111	05	17	07.53	— .07	299.40
Brisbane S		7390.0147	05	17	10.23	+ .01	034.01
Kempsey L		7390.1111	05	17	13.12	— .01	300.20
Brisbane S		7390.0147	05	17	16.08	— .08	034.35

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr. (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Brisbane S		7390.0147	05	18	07.17	— .08	315.77
Rockhampton M		7390.0149	05	18	10.33	— .00	030.80
Brisbane S		7390.0147	05	18	13.50	— .00	316.84
Rockhampton M		7390.0149	05	18	16.80	— .07	031.68
Rockhampton M		7390.0149	05	19	07.20	— .08	162.73
Mackay M		7390.0161	05	19	09.70	— .03	021.80
Rockhampton M		7390.0149	05	19	12.17	+ .03	162.55
Rockhampton M		7390.0149	05	20	07.82	— .07	163.64
Mackay M		7390.0161	05	20	09.88	— .04	023.35
Rockhampton M		7390.0149	05	20	12.33	+ .02	164.68
Mackay M		7390.0161	05	20	14.83	+ .02	024.29
Mackay M		7390.0161	05	21	06.97	— .04	127.83
Townsville Q		7390.0151	05	21	09.83	— .05	018.61
Mackay M		7390.0161	05	21	12.48	+ .01	129.13
Townsville Q		7390.0151	05	21	14.93	+ .03	019.46
Townsville Q		7390.0151	05	23	06.87	+ .03	205.87
Cooktown M		7390.1072	05	23	09.60	— .03	024.82
Townsville Q		7390.0151	05	23	13.07	— .01	207.22
Cooktown M		7390.1072	05	23	16.08	+ .05	025.56
Cooktown M		7390.1072	05	24	07.03	+ .06	124.72
Iron Range L		7390.1073	05	24	09.87	— .02	028.69
Cooktown M		7390.1072	05	24	13.10	— .02	125.68
Iron Range L		7390.1073	05	24	15.63	+ .04	029.42
Iron Range L		7390.1073	05	25	06.87	+ .09	151.26
Port Moresby T		7390.0176	05	25	10.43	— .00	018.70
Iron Range L		7390.1073	05	25	14.30	— .01	151.96
Port Moresby T		7390.0176	05	25	17.78	+ .08	019.51
Port Moresby T		7390.0176	05	26	07.20	+ .10	232.00
Lae M		7390.0177	05	26	09.92	+ .04	030.45
Port Moresby T		7390.0176	05	26	12.47	— .03	232.73
Lae M		7390.0177	05	26	15.28	— .00	030.83
Lae M		7390.0177	05	27	06.80	+ .10	366.33
Mount Hagen M		7390.0178	05	27	09.28	+ .10	032.62
Lae M		7390.0177	05	27	11.63	+ .02	366.91
Mount Hagen M		7390.0178	05	27	13.92	— .04	033.00
Mount Hagen M		7390.0178	05	28	08.63	+ .12	203.13
Laiagam L		7390.1029	05	28	10.33	+ .11	029.38
Mount Hagen M		7390.0178	05	28	12.00	+ .04	203.24
Laiagam L		7390.1029	05	28	13.50	— .02	029.42
Mount Hagen M		7390.0178	05	28	15.37	— .06	203.65
Mount Hagen M		7390.0178	05	29	07.53	+ .06	017.51
Lae M		7390.0177	05	29	10.03	+ .13	352.52
Mount Hagen M		7390.0178	05	29	12.13	+ .07	018.32
Lae M		7390.0177	05	29	14.55	— .05	352.82
Lae M		7390.0177	05	30	06.92	— .01	015.38
Port Moresby T		7390.0176	05	30	09.57	+ .11	217.53
Lae M		7390.0177	05	30	12.45	+ .08	015.41
Port Moresby T		7390.0176	05	30	15.73	— .08	217.44

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr. (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Port Moresby T		7390.0176	06	02	07.37	— .10	019.15
Iron Range L		7390.1073	06	02	11.07	+ .04	153.02
Port Moresby T		7390.0176	06	02	14.32	+ .08	020.76
Iron Range L		7390.1073	06	02	17.87	— .09	154.07
Iron Range L		7390.1073	06	03	06.55	— .06	018.58
Cooktown M		7390.1072	06	03	09.53	— .07	115.49
Iron Range L		7390.1073	06	03	12.07	+ .05	019.27
Cooktown M		7390.1072	06	03	15.13	+ .06	116.26
Cooktown M		7390.1072	06	04	06.95	— .03	019.12
Townsville Q		7390.0151	06	04	10.02	— .07	200.82
Cooktown M		7390.1072	06	04	13.50	+ .06	019.05
Townsville Q		7390.0151	06	04	16.33	+ .03	201.66
Townsville Q		7390.0151	06	05	06.93	+ .01	203.51
Cooktown M		7390.1072	06	05	09.85	— .07	021.93
Townsville Q		7390.0151	06	05	12.67	— .00	204.18
Townsville Q		7390.0151	06	06	07.35	+ .03	019.74
Mackay M		7390.0161	06	06	10.00	— .06	129.94
Townsville Q		7390.0151	06	06	12.30	— .03	020.31
Mackay M		7390.0161	06	06	14.73	+ .03	130.34
Mackay M		7390.0161	06	07	07.15	+ .06	017.84
Rockhampton M		7390.0149	06	07	09.57	— .03	158.38
Mackay M		7390.0161	06	07	11.65	— .05	017.81
Rockhampton M		7390.0149	06	07	14.07	— .01	158.63
Rockhampton M		7390.0149	06	08	07.20	+ .06	017.98
Brisbane S		7390.0147	06	08	10.25	— .04	304.56
Rockhampton M		7390.0149	06	08	13.67	— .04	019.30
Brisbane S		7390.0147	06	08	16.83	+ .05	305.61
Brisbane S		7390.0147	06	10	07.15	+ .03	021.34
Kempsey L		7390.1111	06	10	10.13	— .01	287.62
Brisbane S		7390.0147	06	10	12.73	— .06	021.76
Kempsey L		7390.1111	06	10	15.83	— .02	288.38
Kempsey L		7390.1111	06	11	07.37	— .00	290.01
Brisbane S		7390.0147	06	11	10.03	+ .01	024.06
Kempsey L		7390.1111	06	11	12.77	— .06	290.58
Kempsey L		7390.1111	06	12	07.10	— .03	021.87
Sydney X		7390.0105	06	12	09.87	— .01	296.03
Kempsey L		7390.1111	06	12	12.92	— .05	022.50
Sydney X		7390.0105	06	12	15.68	— .06	296.42
Sydney X		7390.0105	06	13	07.17	— .06	102.69
Canberra P		7390.0104	06	13	10.00	— .02	024.07
Sydney X		7390.0105	06	13	12.30	— .03	103.77
Canberra P		7390.0104	06	13	14.57	— .07	025.08
Sydney X		7390.0105	06	13	17.03	— .05	104.54

APPENDIX 1G GAG-2 No. 41 1973

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr. (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Canberra P		7390.0104	05	03	08.27	— .09	021.63
Melbourne W		7390.0101	05	03	11.93	— .01	362.40
Canberra P		7390.0104	05	03	15.13	— .07	022.29
Melbourne W		7390.0101	05	03	19.03	— .08	362.92
Melbourne W		7390.0101	05	04	07.47	— .10	017.75
Flinders Island K		7390.1140	05	04	10.37	— .07	261.47
Melbourne W		7390.0101	05	04	13.20	— .03	018.31
Flinders Island K		7390.1140	05	04	16.10	— .09	262.00
Flinders Island K		7390.1140	05	05	07.68	— .08	016.70
Hobart P		7390.0160	05	05	10.33	— .09	262.31
Flinders Island K		7390.1140	05	05	13.03	— .05	017.23
Hobart P		7390.0160	05	05	15.73	— .08	262.67
Hobart P		7390.0160	05	07	07.50	— .00	265.15
Flinders Island K		7390.1140	05	07	10.50	— .08	020.35
Hobart P		7390.0160	05	07	13.18	— .07	265.68
Flinders Island K		7390.1140	05	07	16.12	— .05	020.78
Flinders Island K		7390.1140	05	08	07.23	+ .04	021.66
Hobart P		7390.0160	05	08	10.00	— .05	267.14
Flinders Island K		7390.1140	05	08	12.53	— .08	022.10
Flinders Island K		7390.1140	05	09	07.07	+ .06	265.26
Melbourne W		7390.0101	05	09	09.90	— .01	022.32
Flinders Island K		7390.1140	05	09	12.60	— .07	266.06
Melbourne W		7390.0101	05	09	15.43	— .05	022.96
Melbourne W		7390.0101	05	10	07.02	+ .06	376.90
Canberra P		7390.0104	05	10	10.03	— .00	036.75
Melbourne W		7390.0101	05	10	13.93	— .07	377.11
Canberra P		7390.0104	05	10	16.75	— .02	037.02
Canberra P		7390.0104	05	11	07.42	+ .05	037.90
Melbourne W		7390.0101	05	11	11.10	— .02	378.30
Canberra P		7390.0104	05	11	13.70	— .07	038.34
Canberra P		7390.0104	05	12	07.25	+ .03	039.47
Sydney X		7390.0105	05	12	10.17	+ .02	118.66
Canberra P		7390.0104	05	12	12.52	— .04	040.17
Sydney X		7390.0105	05	12	14.62	— .07	119.37
Canberra P		7390.0104	05	12	17.18	— .03	040.57
Sydney X		7390.0105	05	12	19.07	+ .05	119.66
Sydney A		5099.9905	05	13	12.25	— .02	106.92
Sydney X		7390.0105	05	13	13.42	— .05	121.42
Sydney A		5099.9905	05	13	14.72	— .07	107.32
Sydney X		7390.0105	05	13	16.00	— .07	121.57
Sydney A		5099.9905	05	13	17.17	— .04	107.34
Sydney X		7390.0105	05	16	07.38	— .07	317.16
Kempsey L		7390.1111	05	16	10.13	+ .01	043.78
Sydney X		7390.0105	05	16	12.53	— .01	317.90
Kempsey L		7390.1111	05	16	15.23	— .07	044.15
Kempsey L		7390.1111	05	17	07.28	— .08	302.49
Brisbane S		7390.0147	05	17	09.92	— .00	036.26
Kempsey L		7390.1111	05	17	12.97	— .00	302.41
Brisbane S		7390.0147	05	17	15.53	— .06	036.51

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr., (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Brisbane S		7390.0147	05	18	06.85	— .08	316.33
Rockhampton M		7390.0149	05	18	09.90	— .01	030.74
Brisbane S		7390.0147	05	18	13.28	+ .01	316.65
Rockhampton M		7390.0149	05	18	16.28	— .06	031.16
Rockhampton M		7390.0149	05	19	07.00	— .08	160.71
Mackay M		7390.0161	05	19	09.40	— .04	020.44
Rockhampton M		7390.0149	05	19	11.77	+ .02	161.36
Rockhampton M		7390.0149	05	20	07.40	— .07	162.39
Mackay M		7390.0161	05	20	09.70	— .05	022.18
Rockhampton M		7390.0149	05	20	12.07	+ .01	163.06
Mackay M		7390.0161	05	20	14.13	+ .03	022.55
Mackay M		7390.0161	05	21	07.17	— .04	130.32
Townsville Q		7390.0151	05	21	09.95	— .05	020.60
Mackay M		7390.0161	05	21	12.63	+ .01	130.58
Townsville Q		7390.0151	05	21	15.17	+ .03	020.99
Townsville Q		7390.0151	05	23	07.03	+ .03	204.82
Cooktown M		7390.1072	05	23	09.75	— .04	023.42
Townsville Q		7390.0151	05	23	13.20	— .00	205.65
Cooktown M		7390.1072	05	23	16.43	+ .05	024.02
Cooktown M		7390.1072	05	24	07.20	+ .05	126.36
Iron Range L		7390.1073	05	24	09.97	— .02	030.09
Cooktown M		7390.1072	05	24	13.37	— .01	126.93
Iron Range L		7390.1073	05	24	15.80	+ .04	030.61
Iron Range L		7390.1073	05	25	07.03	+ .09	154.74
Port Moresby T		7390.0176	05	25	10.63	— .01	022.11
Iron Range L		7390.1073	05	25	14.48	— .01	155.27
Port Moresby T		7390.0176	05	25	17.97	+ .08	022.81
Port Moresby T		7390.0176	05	26	07.37	+ .09	237.11
Lae M		7390.0177	05	26	10.13	+ .04	035.64
Port Moresby T		7390.0176	05	26	12.63	— .03	237.84
Lae M		7390.0177	05	26	15.48	+ .01	036.31
Lae M		7390.0177	05	27	06.97	+ .10	372.09
Mount Hagen M		7390.0178	05	27	09.42	+ .10	038.45
Lae M		7390.0177	05	27	11.80	+ .01	372.80
Mount Hagen M		7390.0178	05	27	14.10	— .04	038.94
Mount Hagen M		7390.0178	05	28	08.77	+ .12	203.94
Laiagam L		7390.1029	05	28	10.50	+ .10	030.17
Mount Hagen M		7390.0178	05	28	12.15	+ .03	204.16
Laiagam L		7390.1029	05	28	13.67	— .03	030.41
Mount Hagen M		7390.0178	05	28	15.50	— .05	204.56
Mount Hagen M		7390.0178	05	29	07.68	+ .07	018.85
Lae M		7390.0177	05	29	10.17	+ .13	353.49
Mount Hagen M		7390.0178	05	29	12.27	+ .06	019.66
Lae M		7390.0177	05	29	14.77	— .06	353.94
Lae M		7390.0177	05	30	07.03	— .00	018.37
Port Moresby T		7390.0176	05	30	09.67	+ .11	220.76
Lae M		7390.0177	05	30	12.60	+ .07	019.23
Port Moresby T		7390.0176	05	30	15.92	— .09	221.44

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr. (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Port Moresby T		7390.0176	06	02	07.53	— .10	019.96
Iron Range L		7390.1073	06	02	11.17	+ .05	153.51
Port Moresby T		7390.0176	06	02	14.43	+ .08	021.04
Iron Range L		7390.1073	06	02	18.00	— .09	154.28
Iron Range L		7390.1073	06	03	06.68	— .06	018.23
Cooktown M		7390.1072	06	03	09.73	— .06	115.19
Iron Range L		7390.1073	06	03	12.18	+ .05	019.11
Cooktown M		7390.1072	06	03	15.33	+ .05	115.98
Cooktown M		7390.1072	06	04	07.07	— .04	016.50
Townsville Q		7390.0151	06	04	10.23	— .07	198.99
Cooktown M		7390.1072	06	04	13.63	+ .06	017.50
Townsville Q		7390.0151	06	04	16.78	+ .01	199.56
Townsville Q		7390.0151	06	05	07.08	— .00	200.83
Cooktown M		7390.1072	06	05	09.97	— .07	019.30
Townsville Q		7390.0151	06	05	12.92	+ .01	201.43
Townsville Q		7390.0151	06	06	07.47	+ .03	020.68
Mackay M		7390.0161	06	06	10.13	— .06	130.64
Townsville Q		7390.0151	06	06	12.42	— .03	021.05
Mackay M		7390.0161	06	06	14.87	+ .04	131.05
Mackay M		7390.0161	06	07	07.27	+ .05	017.60
Rockhampton M		7390.0149	06	07	09.67	— .03	158.74
Mackay M		7390.0161	06	07	11.77	— .05	018.28
Rockhampton M		7390.0149	06	07	14.20	— .00	158.97
Rockhampton M		7390.0149	06	08	07.33	+ .05	018.46
Brisbane S		7390.0147	06	08	10.40	— .04	304.38
Rockhampton M		7390.0149	06	08	13.78	— .03	019.36
Brisbane S		7390.0147	06	08	16.97	+ .05	305.54
Brisbane S		7390.0147	06	10	07.27	+ .03	020.04
Kempsey L		7390.1111	06	10	10.30	— .02	286.81
Brisbane S		7390.0147	06	10	12.83	— .06	020.80
Kempsey L		7390.1111	06	10	16.03	— .02	287.80
Kempsey L		7390.1111	06	11	07.50	— .00	287.93
Brisbane S		7390.0147	06	11	10.17	— .00	022.20
Kempsey L		7390.1111	06	11	12.90	— .06	288.77
Kempsey L		7390.1111	06	12	07.23	— .03	018.03
Sydney X		7390.0105	06	12	09.98	— .01	292.51
Kempsey L		7390.1111	06	12	13.03	— .05	018.93
Sydney X		7390.0105	06	12	15.83	— .06	293.15
Sydney X		7390.0105	06	13	07.32	— .05	109.43
Canberra P		7390.0104	06	13	10.13	— .02	030.95
Sydney X		7390.0105	06	13	12.42	— .04	109.96
Canberra P		7390.0104	06	13	14.70	— .07	031.20
Sydney X		7390.0105	06	13	17.18	— .05	110.43

APPENDIX 1H GAG-2 No. 42 1973

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr. (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Melbourne W		7390.0101	05	04	07.65	— .10	017.52
Flinders Island K		7390.1140	05	04	10.53	— .06	260.94
Melbourne W		7390.0101	05	04	13.40	— .03	018.10
Flinders Island K		7390.1140	05	04	16.33	— .09	262.09

APPENDIX 1I GAG-2 No. 43 1973

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time</i> <i>(EST)</i>			<i>E.T. Corr.</i> <i>(mGal)</i>	<i>Corrected</i> <i>Reading</i> <i>(mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Canberra P		7390.0104	05	03	08.55	— .08	024.39
Melbourne W		7390.0101	05	03	12.18	— .01	365.01
Canberra P		7390.0104	05	03	15.57	— .08	025.18
Melbourne W		7390.0101	05	03	19.50	— .06	365.97
Melbourne W		7390.0101	05	04	07.78	— .10	017.78
Flinders Island K		7390.1140	05	04	10.67	— .06	261.46
Melbourne W		7390.0101	05	04	13.60	— .03	018.56
Flinders Island K		7390.1140	05	04	16.50	— .10	262.15
Flinders Island K		7390.1140	05	05	08.27	— .09	016.58
Hobart P		7390.0160	05	05	10.65	— .08	262.24
Flinders Island K		7390.1140	05	05	13.63	— .05	017.13
Hobart P		7390.0160	05	05	16.30	— .09	262.93
Hobart P		7390.0160	05	07	07.70	— .01	266.59
Flinders Island K		7390.1140	05	07	10.65	— .08	021.80
Hobart P		7390.0160	05	07	13.30	— .07	267.28
Flinders Island K		7390.1140	05	07	16.27	— .05	222.39
Flinders Island K		7390.1140	05	08	07.37	+ .04	023.76
Hobart P		7390.0160	05	08	10.15	— .06	269.40
Flinders Island K		7390.1140	05	08	12.70	— .08	024.54
Flinders Island K		7390.1140	05	09	07.23	+ .06	275.70
Melbourne W		7390.0101	05	09	10.03	— .02	032.60
Flinders Island K		7390.1140	05	09	12.72	— .07	276.39
Melbourne W		7390.0101	05	09	15.62	— .05	033.27
Melbourne W		7390.0101	05	10	07.33	+ .06	370.74
Canberra P		7390.0104	05	10	10.17	— .00	031.10
Melbourne W		7390.0101	05	10	14.10	— .07	371.56
Canberra P		7390.0104	05	10	16.87	— .02	031.86
Canberra P		7390.0104	05	11	07.57	+ .05	033.17
Melbourne W		7390.0101	05	11	11.23	— .02	373.90
Canberra P		7390.0104	05	11	13.83	— .07	033.94
Canberra P		7390.0104	05	12	07.43	+ .03	035.68
Sydney X		7390.0105	05	12	10.28	+ .02	114.72
Canberra P		7390.0104	05	12	12.63	— .04	036.13
Sydney X		7390.0105	05	12	14.73	— .07	115.20
Canberra P		7390.0104	05	12	17.30	— .02	036.61
Sydney X		7390.0105	05	12	19.27	+ .05	115.80
Sydney A		5099.9905	05	13	12.40	— .03	103.45
Sydney X		7390.0105	05	13	13.53	— .06	118.12
Sydney A		5099.9905	05	13	14.87	— .08	104.00
Sydney X		7390.0105	05	13	16.10	— .07	118.39
Sydney A		5099.9905	05	13	17.27	— .03	104.49
Sydney X		7390.0105	05	16	07.53	— .06	322.47
Kempsey L		7390.1111	05	16	10.28	+ .01	048.92
Sydney X		7390.0105	05	16	12.70	— .01	323.56
Kempsey L		7390.1111	05	16	15.42	— .07	049.66

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr. (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Kempsey L		7390.1111	05	17	07.47	— .07	296.40
Brisbane S		7390.0147	05	17	10.05	+ .01	031.06
Kempsey L		7390.1111	05	17	13.10	— .01	297.19
Brisbane S		7390.0147	05	17	15.75	— .07	031.35
Brisbane S		7390.0147	05	18	06.98	— .08	314.66
Rockhampton M		7390.0149	05	18	10.03	— .00	029.11
Brisbane S		7390.0147	05	18	13.40	— .00	315.35
Rockhampton M		7390.0149	05	18	16.47	— .07	030.00
Rockhampton M		7390.0149	05	19	07.15	— .08	160.34
Mackay M		7390.0161	05	19	09.55	— .04	019.93
Rockhampton M		7390.0149	05	19	11.90	+ .02	160.96
Rockhampton M		7390.0149	05	20	07.52	— .07	162.76
Mackay M		7390.0161	05	20	09.88	— .04	022.36
Rockhampton M		7390.0149	05	20	12.22	+ .01	163.43
Mackay M		7390.0161	05	20	14.30	+ .03	022.86
Mackay M		7390.0161	05	21	07.28	— .04	130.42
Townsville Q		7390.0151	05	21	10.10	— .05	020.97
Mackay M		7390.0161	05	21	12.75	+ .05	131.00
Townsville Q		7390.0151	05	21	15.35	+ .03	021.57
Townsville Q		7390.0151	05	23	07.17	+ .02	206.11
Cooktown M		7390.1072	05	23	09.88	— .04	024.50
Townsville Q		7390.0151	05	23	13.33	— .00	206.85
Cooktown M		7390.1072	05	23	16.60	+ .05	025.25
Cooktown M		7390.1072	05	24	07.33	+ .05	125.37
Iron Range L		7390.1073	05	24	10.13	— .02	029.14
Cooktown M		7390.1072	05	24	13.47	— .01	126.01
Iron Range L		7390.1073	05	24	15.97	+ .05	029.75
Iron Range L		7390.1073	05	25	07.17	+ .08	153.68
Port Moresby T		7390.0176	05	25	10.83	— .01	021.22
Iron Range L		7390.1073	05	25	14.63	— .00	154.43
Port Moresby T		7390.0176	05	25	18.13	+ .08	021.94
Port Moresby T		7390.0176	05	26	07.50	+ .09	238.92
Lae M		7390.0177	05	26	10.33	+ .03	037.32
Port Moresby T		7390.0176	05	26	12.77	— .03	239.54
Lae M		7390.0177	05	26	15.67	+ .01	038.57
Lae M		7390.0177	05	27	07.15	+ .10	366.99
Mount Hagen M		7390.0178	05	27	09.53	+ .09	033.06
Lae M		7390.0177	05	27	11.97	— .00	367.44
Mount Hagen M		7390.0178	05	27	14.27	— .04	033.39
Mount Hagen M		7390.0178	05	28	08.92	+ .12	203.83
Laiagam L		7390.1029	05	28	10.53	+ .10	030.17
Mount Hagen M		7390.0178	05	28	12.27	+ .03	204.41
Laiagam L		7390.1029	05	28	13.80	— .03	030.69
Mount Hagen M		7390.0178	05	28	15.63	— .05	204.79
Mount Hagen M		7390.0178	05	29	07.82	+ .08	013.26
Lae M		7390.0177	05	29	10.30	+ .12	347.69
Mount Hagen M		7390.0178	05	29	12.40	+ .06	013.77
Lae M		7390.0177	05	29	15.00	— .07	348.30

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>			<i>E.T. Corr. (mGal)</i>	<i>Corrected Reading (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>		
Lae M		7390.0177	05	30	06.97	— .01	016.34
Port Moresby T		7390.0176	05	30	09.73	+ .11	218.36
Lae M		7390.0177	05	30	12.70	+ .07	016.98
Port Moresby T		7390.0176	05	30	15.80	— .09	219.30
Port Moresby T		7390.0176	06	02	07.47	— .10	021.90
Iron Range L		7390.1073	06	02	10.93	+ .04	155.21
Port Moresby T		7390.0176	06	02	14.38	+ .08	022.70
Iron Range L		7390.1073	06	02	17.90	— .09	156.14
Iron Range L		7390.1073	06	03	06.58	— .06	019.38
Cooktown M		7390.1072	06	03	09.60	— .07	116.35
Iron Range L		7390.1073	06	03	12.13	+ .05	020.12
Cooktown M		7390.1072	06	03	15.32	+ .05	117.08
Cooktown M		7390.1072	06	04	07.18	— .04	020.12
Townsville Q		7390.0151	06	04	10.07	— .07	202.37
Cooktown M		7390.1072	06	04	13.55	+ .06	021.01
Townsville Q		7390.0151	06	04	16.45	+ .02	203.03
Townsville Q		7390.0151	06	05	07.22	— .00	204.36
Cooktown M		7390.1072	06	05	10.07	— .07	022.90
Townsville Q		7390.0151	06	05	12.87	— .00	204.90
Townsville Q		7390.0151	06	06	07.68	+ .02	017.37
Mackay M		7390.0161	06	06	09.83	— .06	127.44
Townsville Q		7390.0151	06	06	12.43	— .03	017.87
Mackay M		7390.0161	06	06	14.93	+ .04	128.02
Mackay M		7390.0161	06	07	07.43	+ .05	016.69
Rockhampton M		7390.0149	06	07	09.50	— .03	157.79
Mackay M		7390.0161	06	07	11.98	— .05	017.27
Rockhampton M		7390.0149	06	07	14.15	— .00	158.33
Rockhampton M		7390.0149	06	08	07.53	+ .05	015.72
Brisbane S		7390.0147	06	08	10.45	— .04	301.80
Rockhampton M		7390.0149	06	08	13.93	— .03	016.43
Brisbane S		7390.0147	06	08	17.00	+ .05	302.76
Brisbane S		7390.0147	06	10	07.43	+ .03	020.20
Kempsey L		7390.1111	06	10	10.27	— .02	286.81
Brisbane S		7390.0147	06	10	13.00	— .06	020.80
Kempsey L		7390.1111	06	10	15.93	— .02	287.36
Kempsey L		7390.1111	06	11	07.40	— .00	289.13
Brisbane S		7390.0147	06	11	10.15	+ .01	023.25
Kempsey L		7390.1111	06	11	13.03	— .06	289.76
Kempsey L		7390.1111	06	12	07.23	— .02	018.03
Sydney X		7390.0105	06	12	09.98	— .02	292.51
Kempsey L		7390.1111	06	12	13.03	— .05	018.93
Sydney X		7390.0105	06	12	15.83	— .06	293.15
Sydney X		7390.0105	06	13	07.28	— .05	148.27
Canberra P		7390.0104	06	13	10.25	— .02	069.72
Sydney X		7390.0105	06	13	12.57	— .04	148.89
Canberra P		7390.0104	06	13	14.77	— .07	070.13
Sydney X		7390.0105	06	13	17.13	— .05	149.20

APPENDIX 2A GAG-2 RESULTS OF TIE: MOUNT HAGEN-LAIAGAM

GAG-2		Measured Intervals (mGal)			Mean	k	m	M	P
Meter	Dates			Interval		$\pm$	$\pm$		
No.	05 28	05 28	05 28	mGal	—	mGal	mGal	mGal	
1	173.83	173.84	173.80	173.823	3	.021	.012	6.90	
2	173.93	173.98	173.95	173.953	3	.025	.014	4.79	
3	173.86	173.94	173.94	173.913	3	.046	.027	1.66	
30	173.98	173.98	173.98	173.980	3	.000	.000	—	
39	174.00	173.96	173.89	173.950	3	.056	.032	0.96	
40	173.81	173.84	174.00	173.883	3	.102	.059	0.34	
41	173.88	173.87	173.93	173.893	3	.055	.032	0.97	
43	173.96	173.97	173.89	173.940	3	.044	.025	1.58	
Mean	173.906	173.922	173.922	173.917	3	.009	.005	—	
n	8	8	8	8					
m $\pm$	0.071	0.063	0.063	0.045					
M $\pm$	0.025	0.022	0.022	0.018					
P	1.60	2.06	2.04	—					

$\sigma_1 = \pm 0.052, \sigma_2 = \pm 0.042, \sigma_3 = \pm 0.22i, \sigma = \pm 0.013, \alpha = \pm 0.018, \alpha = \pm 0.012$
 $\Delta g = 173.917 \pm 0.012 \text{ mGal}$

APPENDIX 2B GAG-2 RESULTS OF TIE: LAE-MT HAGEN

GAG-2		Measured Intervals (mGal)				Mean	k	m	M	P
Meter	Dates				Interval		$\pm$	$\pm$		
No.	05 27	05 27	05 29	05 29	mGal	—	mGal	mGal	—	—
1	334.12	334.14	334.10	334.04	334.100	4	.043	.022	2.24	
2	334.20	334.22	334.10	334.22	334.185	4	.058	.029	1.20	
3	334.17	334.00	334.39	334.23	334.198	4	.161	.081	0.15	
30	—	—	—	—	—	—	—	—	—	—
39	334.14	334.25	334.12	334.01	334.130	4	.098	.049	0.42	
40	334.01	334.10	(334.57)	334.34	334.150	3	.170	.099	0.11	
41	334.00	334.10	334.20	334.04	334.085	4	.087	.044	0.52	
43	334.15	334.21	334.15	334.19	334.175	4	.031	.015	4.27	
Mean	334.113	334.146	334.176	334.153	334.146	4	.026	.013	—	
n	7	7	6	7	7					
m $\pm$	0.077	0.085	0.111	0.125	0.043					
M $\pm$	0.029	0.032	0.045	0.047	0.017					
P	1.21	0.97	0.49	0.45	—					

$\sigma_1 = \pm 0.015$, $\sigma_2 = \pm 0.025i$, $\sigma_3 = \pm 0.029i$, $\sigma = \pm 0.009$, $\alpha = \pm 0.017$, $\alpha = \pm 0.019$
 $\Delta g = +344.146 \pm 0.019$ mGal

APPENDIX 2C GAG-2 RESULTS OF TIE: PORT MORESBY-LAE

GAG-2		Measured Intervals (mGal)				Mean	k	m	M	P
Meter	Dates				Interval		$\pm$	$\pm$		
No.	05 26	05 26	05 30	05 30	mGal	—	mGal	mGal	—	—
1	201.90	201.84	201.93	201.93	201.900	4	.042	.021	2.22	
2	201.93	202.02	202.01	201.83	201.948	4	.086	.043	0.54	
3	202.02	201.93	201.83	201.82	201.900	4	.094	.047	0.45	
30	201.88	201.83	201.95	201.94	201.900	4	.056	.028	1.27	
39	201.80	201.85	201.90	201.84	201.848	4	.041	.021	2.35	
41	201.85	201.89	201.98	201.85	201.892	4	.061	.031	1.20	
43	201.92	201.96	201.71	201.84	201.858	4	.110	.055	0.33	
Mean	201.900	201.903	201.901	201.864	201.892	4	.018	.09	—	
n	7	7	7	7	7					
m $\pm$	0.069	0.071	0.102	0.049	0.033					
M $\pm$	0.026	0.027	0.039	0.019	0.012					
P	1.47	1.40	0.67	2.86	—					

$\sigma_1 = \pm 0.078$, $\sigma_2 = \pm 0.018i$, $\sigma_3 = \pm 0.022i$, $\sigma = \pm 0.007$, $\alpha = \pm 0.012$, $\alpha = \pm 0.014$
 $\Delta g = 201.892 \pm 0.014$ mGal

APPENDIX 2D GAG-2 RESULTS OF TIE: IRON RANGE-PORT MORESBY
GAG-2

Meter No.	Measured Intervals (mGal)				Mean	k	m	M	P
	Dates				Interval		$\pm$	$\pm$	
	05 25	05 25	06 02	06 02	mGal	—	mGal	mGal	—
1	132.72	132.76	(132.77)	132.71	132.730	3	.026	.015	4.28
2	(132.54)	132.78	(132.95)	132.81	132.797	2	.021	.015	4.28
3	132.82	132.90	(132.92)	132.87	132.863	3	.041	.024	1.80
30	132.84	132.89	(132.89)	132.81	132.847	3	.041	.024	1.80
39	132.71	132.82	(133.07)	132.76	132.763	3	.055	.032	0.98
40	132.90	132.83	(133.01)	132.76	132.830	3	.070	.040	0.63
41	132.89	132.79	(132.98)	132.84	132.840	3	.050	.029	1.19
43	132.83	132.84	(132.91)	132.97	132.880	3	.078	.045	0.49
Mean	132.814	132.826	(132.938)	132.816	132.819	3	.006	.003	—
n	7	8	8	8	8				
m $\pm$	0.070	0.052	0.091	0.080	0.052				
M $\pm$	0.026	0.018	0.032	0.028	0.018				
P	1.48	3.08	0.58	1.27	—				

$\sigma_1 = \pm 0.054$, $\sigma_2 = \pm 0.043$, $\sigma_3 = \pm 0.024i$, $\sigma = \pm 0.013$, $\alpha = \pm 0.018$, $\alpha = \pm 0.014$
 $\Delta g = 132.819 \pm 0.014$ mGal

APPENDIX 2E GAG-2 RESULTS OF TIE: COOKTOWN-IRON RANGE

Meter No.	Measured Intervals (mGal)				Mean	k	m	M	P
	Dates				Interval		$\pm$	$\pm$	
	05 24	05 24	06 03	06 03	mGal	—	mGal	mGal	—
1	96.52	96.54	96.68	96.53	96.568	4	.075	.038	0.70
2	96.66	(96.79)	96.51	96.44	96.537	3	.112	.065	0.23
3	96.49	96.53	96.68	96.57	96.568	4	.080	.040	0.63
30	96.53	96.56	96.58	96.53	96.550	4	.024	.012	6.95
39	96.51	96.58	(96.31)	(96.25)	96.545	2	.029	.035	0.82
40	96.48	96.58	96.54	96.57	96.542	4	.045	.023	1.98
41	96.53	96.54	96.47	96.43	96.492	4	.052	.026	1.48
43	96.52	96.52	96.57	96.55	96.540	4	.024	.012	6.62
Mean	96.530	96.550	96.576	96.517	96.543	4	.026	.013	—
n	8	7	7	7	8				
m $\pm$	0.056	0.024	0.078	0.059	0.024				
M $\pm$	0.020	0.009	0.030	0.022	0.008				
P	2.57	14.8	1.14	2.06	—				

$\sigma_1 = \pm 0.058$, $\sigma_2 = \pm 0.017i$, $\sigma_3 = \pm 0.011$, $\sigma = \pm 0.010$, $\alpha = \pm 0.011$, $\alpha = \pm 0.011$
 $\Delta g = 96.543 \pm 0.011$ mGal

APPENDIX 2F GAG-2 RESULTS OF TIE: TOWNSVILLE-COOKTOWN

GAG-2		Measured Intervals (mGal)					Mean	k	m	M	P
Meter		Dates					Interval		$\pm$	$\pm$	
No.	05 23	05 23	06 04	06 04	06 04-05	06 05	mGal	—	mGal	mGal	—
1	181.81	181.79	182.01	182.05	181.90	181.79	181.892	6	.115	.047	0.45
2	181.73	181.97	181.91	181.69	181.74	181.81	181.808	6	.111	.045	0.49
3	(181.59)	181.71	182.05	181.88	181.82	181.75	181.842	5	.133	.060	0.28
30	181.92	181.88	181.99	181.89	181.79	181.71	181.863	6	.099	.040	0.61
39	(181.55)	181.80	181.99	181.94	181.88	181.83	181.888	5	.078	.035	0.82
40	181.64	182.00	181.73	(182.23)	(182.10)	181.92	181.822	4	.167	.083	0.15
41	181.78	181.92	182.01	181.79	181.78	181.83	181.852	6	.094	.038	0.69
43	181.94	181.96	181.85	181.72	181.74	181.73	181.823	6	.109	.044	0.51
Mean	181.803	181.879	181.942	181.851	181.807	181.796	181.849	6	.057	.023	—
n	6	8	8	7	7	8	8				
m $\pm$	0.114	0.103	0.107	0.127	0.064	0.068	0.031				
M $\pm$	0.047	0.036	0.038	0.048	0.024	0.024	0.011				
P	0.46	0.77	0.70	0.43	1.73	1.73	—				

$\sigma_1 = \pm 0.098$, $\sigma_2 = \pm 0.031i$, $\sigma_3 = \pm 0.043$, $\sigma = \pm 0.020$, $\alpha = \pm 0.022$, $\alpha = \pm 0.015$
 $\Delta g = 181.849 \pm 0.015$ mGal

APPENDIX 2G GAG-2 RESULTS OF TIE: MACKAY-TOWNSVILLE

GAG-2	Measured Intervals (mGal)				Mean	k	m	M	P
Meter	Dates				Interval		$\pm$	$\pm$	
No.	05 21	05 21	06 06	06 06	mGal	—	mGal	mGal	—
1	109.87	109.88	109.92	109.79	109.865	4	.055	.027	1.32
2	109.87	109.82	109.84	109.86	109.848	4	.022	.011	8.00
3	109.84	109.92	109.86	109.86	109.870	4	.034	.017	3.47
30	109.82	109.84	109.94	109.84	109.860	4	.054	.027	1.37
39	—	—	—	—	—	—	—	—	—
40	109.90	110.08	109.90	109.83	109.928	4	.107	.054	0.35
41	109.85	109.78	109.74	109.79	109.790	4	.045	.023	1.95
43	109.75	109.73	109.84	109.87	109.798	4	.068	.034	0.87
Mean	109.838	109.866	109.863	109.834	109.851	4	.016	.008	—
n	7	7	7	7	7				
m $\pm$	0.048	0.112	0.067	0.032	0.046				
M $\pm$	0.018	0.042	0.025	0.013	0.018				
P	3.08	0.56	1.60	6.31	—				

$\sigma_1 = \pm 0.064$, $\sigma_2 = \pm 0.036$, $\sigma_3 = \pm 0.023i$, $\sigma = \pm 0.014$, $\alpha = \pm 0.018$, $\alpha = \pm 0.013$
 $\Delta g = 109.851 \pm 0.013$ mGal

APPENDIX 2H GAG-2 RESULTS OF TIE: ROCKHAMPTON-MACKAY

GAG-2	Measured Intervals (mGal)				Mean	k	m	M	P
Meter	Dates				Interval		$\pm$	$\pm$	
No.	05 19	05 19-20	05 20	05 20	06 07	06 07	mGal	mGal	mGal
1	140.62	140.51	140.52	140.68	140.56	140.44	140.555	6 .086	.035 0.98
2	140.51	140.57	140.58	140.74	140.72	140.68	140.633	6 .093	.038 0.63
3	140.70	140.69	140.70	140.75	140.76	140.72	140.720	6 .029	.012 6.94
30	140.78	140.77	140.69	140.62	140.74	140.77	140.728	6 .062	.025 1.60
39	140.64	140.50	140.43	140.59	140.55	140.71	140.570	6 .109	.041 0.59
40	140.84	140.50	140.76	140.86	140.56	140.69	140.702	6 .148	.060 0.28
41	140.60	140.56	140.54	140.68	140.78	140.57	110.622	6 .092	.038 0.69
43	140.72	140.72	140.74	140.81	140.84	140.81	140.773	6 .053	.022 1.93
Mean	140.676	140.602	140.620	140.716	140.689	140.674	140.663	6 .043	.018 —
n	8	8	8	8	8	8	8		
m $\pm$	0.105	0.106	0.119	0.092	0.115	0.118	0.079		
M $\pm$	0.037	0.038	0.042	0.033	0.040	0.042	0.028		
P	0.73	0.69	0.57	0.92	0.61	0.57	—		

$\sigma_1 = \pm 0.084$, $\sigma_2 = \pm 0.071$, $\sigma_3 = \pm 0.020$, $\sigma = \pm 0.029$, $\alpha = \pm 0.031$, $\alpha = \pm 0.016$
 $\Delta g = 40.663 \pm 0.016$ mGal

APPENDIX 2I GAG-2 RESULTS OF TIE: BRISBANE-ROCKHAMPTON

GAG-2	Measured Intervals (mGal)				Mean	k	m	M	P
Meter	Dates				Interval		$\pm$	$\pm$	
No.	05 18	05 18	06 08	06 08	mGal	—	mGal	mGal	—
1	285.89	285.89	285.78	285.89	285.862	4	.055	.028	1.33
2	285.74	285.86	285.80	285.74	285.785	4	.058	.029	1.19
3	285.68	285.66	285.74	285.74	285.705	4	.033	.016	4.68
30	285.70	285.79	285.87	285.78	285.785	4	.070	.035	0.82
39	285.74	285.92	285.73	285.67	285.765	4	.108	.054	0.34
40	(285.50)	285.61	285.96	285.81	285.793	3	.175	.101	0.10
41	285.74	285.69	(285.49)	285.62	285.683	3	.060	.035	0.81
43	285.88	285.77	285.76	285.88	285.822	4	.067	.033	0.92
Mean	285.767	285.774	285.806	285.766	285.775	4	.019	.009	—
n	7	8	7	8	8				
m $\pm$	0.084	0.114	0.083	0.094	0.058				
M $\pm$	0.032	0.040	0.031	0.033	0.021				
P	0.98	0.62	1.04	0.92	—				

$\sigma_1 = \pm 0.085$, $\sigma_2 = \pm 0.043$, $\sigma_3 = \pm 0.032i$, $\sigma = \pm 0.014$, $\alpha = \pm 0.021$, $\alpha = \pm 0.017$
 $\Delta g = 285.778 \pm 0.017$ mGal

APPENDIX 2J GAG-2 RESULTS OF TIE: KEMPSEY-BRISBANE

GAG-2		Measured Intervals (mGal)					Mean	k	m	M	P
Meter		Dates					Interval		$\pm$	$\pm$	
No.	05 17	05 17	06 10	06 10	06 10 11	06 11	mGal	—	mGal	mGal	—
1	(266.17)	(265.93)	266.20	266.16	266.10	266.09	266.138	4	.052	.026	1.48
2	(266.08)	(266.01)	266.35	266.17	266.21	266.31	266.260	4	.084	.042	0.57
3	(266.12)	(266.23)	266.20	266.17	266.16	266.11	266.160	4	.037	.019	3.33
30	(266.15)	(266.06)	266.20	266.23	266.27	266.26	266.240	4	.032	.016	3.91
39	(266.01)	(266.11)	266.27	266.20	266.15	266.13	266.188	4	.063	.031	1.04
40	(265.78)	(266.02)	266.06	266.21	266.26	266.23	266.190	4	.088	.044	0.52
41	(266.19)	(266.01)	266.36	266.23	266.08	266.15	266.205	4	.120	.060	0.28
43	(265.70)	(265.97)	266.30	266.28	266.21	266.19	266.245	4	.054	.027	1.37
Mean	(266.025)	(266.042)	266.242	266.206	266.180	266.184	266.203	4	.028	.014	—
n	8	8	8	8	8	8	8				
m $\pm$	0.185	0.093	0.094	0.041	0.070	0.071	0.043				
M $\pm$	0.064	0.033	0.033	0.014	0.025	0.025	0.015				
P	0.24	0.92	0.92	4.90	1.60	1.60	—				

$\sigma_1 = \pm 0.071$, $\sigma_2 = \pm 0.025$, $\sigma_3 = \pm 0.016$, $\sigma = \pm 0.016$, $\alpha = \pm 0.018$, $\alpha = \pm 0.013$
 $\Delta g = 266.203 \pm 0.013$ mGal

APPENDIX 2K GAG-2 RESULTS OF TIE: SYDNEY-KEMPSEY

GAG-2		Measured Intervals (mGal)				Mean	k	m	M	P
Meter		Dates				Interval		$\pm$	$\pm$	
No.	05 16	05 16	06 12	06 12	mGal	—	mGal	mGal	—	
1	273.84	273.81	273.82	273.96	273.858	4	.069	.035		0.67
2	273.85	273.90	273.87	273.77	273.848	4	.056	.028		1.27
3	273.94	273.84	273.92	273.82	273.880	4	.059	.030		1.20
30	274.01	273.93	274.11	274.00	274.012	4	.074	.037		0.73
39	273.82	273.86	273.89	273.85	273.852	4	.029	.015		4.60
40	273.99	273.95	273.86	273.73	273.882	4	.115	.058		0.30
41	273.78	273.95	274.05	273.91	273.922	4	.112	.056		0.32
43	(274.13)	(274.29)	(274.19)	(273.88)		—	—	—		—
Mean	273.890	273.891	273.931	273.863	273.893	4	.028	.014		
n	7	7	7	7	7					
m $\pm$	0.085	0.055	0.107	0.099	0.058					
M $\pm$	0.034	0.021	0.041	0.037	0.022					
P	0.57	2.27	0.59	0.71	—					

$\sigma_1 = \pm 0.079$, $\sigma_2 = \pm 0.042$, $\sigma_3 = \pm 0.019$ i, $\sigma = \pm 0.020$, $\alpha = \pm 0.022$, $\alpha = \pm 0.017$
 $\Delta g = 273.893 \pm 0.017$ mGal

APPENDIX 2L GAG-2 RESULTS OF TIE: CANBERRA-SYDNEY

GAG-2		Measured Intervals (mGal)							Mean	k	m	M	P
Meter				Dates				Interval					
No.	05 12	05 12	05 12	05 12	06 13	06 13	06 13	mGal	—	± mGal	± mGal	—	
1	78.98	78.86	78.72	78.81	78.83	78.79	78.84	78.833	7	.079	.030	1.11	
2	79.08	78.93	78.89	78.90	79.01	79.13	78.94	78.983	7	.093	.035	0.82	
3	79.12	79.20	79.23	79.14	78.91	78.93	78.96	79.070	7	.134	.050	0.40	
30	78.99	78.98	78.99	79.01	78.98	78.98	79.10	79.004	7	.044	.016	3.91	
39	79.05	79.06	79.14	79.04	78.87	78.88	79.10	79.020	7	.116	.044	0.52	
40	79.11	78.90	78.94	78.98	79.22	79.19	79.06	79.057	7	.123	.047	0.45	
41	78.80	78.87	79.02	78.97	78.77	78.88	78.98	78.899	7	.095	.036	0.77	
42	78.79	78.84	78.85	78.93	78.90	78.96	78.91	78.883	7	.095	.022	2.07	
Mean	78.990	78.995	78.972	78.972	78.936	78.968	78.986	78.969	7	.018	.007	—	
n	8	8	8	8	8	8	8	8					
m ±	0.130	0.116	0.162	0.107	0.138	0.132	0.094	0.087					
M ±	0.046	0.041	0.057	0.038	0.049	0.047	0.033	0.031					
P	0.47	0.59	0.31	0.69	0.42	0.45	0.92	—					

$\sigma_1 = \pm 0.100$, $\sigma_2 = \pm 0.080$, $\sigma_3 = \pm 0.041i$, $\sigma = \pm 0.027$, $\alpha = \pm 0.031$, $\alpha = \pm 0.016$
 $\Delta g = -78.969 \pm 0.016$ mGal

APPENDIX 2M GAG-2 RESULTS OF TIE: MELBOURNE-CANBERRA

GAG-2		Measured Intervals (mGal)					Mean	k	m	M	P
Meter		Dates					Interval		±	±	
No.	05 03	05 03	05 10	05 10-11	05 11		mGal	—	mGal	mGal	—
1	—	(340.53)	340.31	340.11	340.10	340.05	340.142	4	.115	.044	0.52
2	—	340.28	340.20	340.39	340.50	340.33	340.300	4	.080	.040	0.62
3	—	340.32	340.07	340.39	340.42	340.30	340.300	5	.138	.062	0.26
30	—	340.32	340.27	340.27	340.21	340.07	340.228	5	.097	.043	0.54
39	—	340.06	340.06	340.18	340.25	340.25	340.160	5	.095	.043	0.54
40	—	340.42	340.26	340.24	340.10	340.22	340.248	5	.115	.051	0.38
41	—	340.34	340.24	340.20	340.22	340.14	340.228	5	.075	.033	0.92
43	—	340.27	(339.98)	(340.01)	340.14	340.28	340.230	3	.078	.045	0.49
Mean	—	340.287	340.201	340.254	340.206	340.205	340.230	5	.039	.018	—
n	—	7	7	7	7	8	8				
m ±	—	0.110	0.099	0.105	0.103	0.106	0.057				
M ±	—	0.042	0.037	0.040	0.036	0.038	0.020				
P	—	0.57	0.73	0.63	0.77	0.69	—				

$\sigma_1 = \pm 0.098$, $\sigma_2 = \pm 0.039$, $\sigma_3 = \pm 0.023i$, $\sigma = \pm 0.018$, $\alpha = \pm 0.020$, $\alpha = \pm 0.016$
 $\Delta g = 340.230 \pm 0.016$ mGal

APPENDIX 2N GAG-2 RESULTS OF TIE: FLINDERS ISLAND-MELBOURNE

GAG-2		Measured Intervals (mGal)				Mean	k	m	M	P
Meter		Dates				Interval		±	±	
No.	05 04	05 04	05 09	05 09	mGal	—	mGal	mGal	—	
1	243.21	243.19	243.26	243.35	243.252	4	.071	.036		0.78
2	243.40	243.38	243.31	243.49	243.395	4	.075	.037		0.73
3	243.54	243.46	243.39	243.31	243.425	4	.098	.049		0.42
30	243.40	243.37	243.43	243.38	243.395	4	.027	.014		5.10
39	243.43	243.45	243.32	243.41	243.402	4	.058	.029		1.19
40	243.40	243.32	243.37	243.44	243.382	4	.051	.025		1.60
41	243.44	243.42	243.35	243.43	243.410	4	.041	.020		2.50
42	(243.15)	243.41	—	—	243.410	1	—	—		—
43	243.29	243.26	243.45	243.47	243.368	4	.107	.054		0.34
Mean	243.389	243.363	243.360	243.410	243.382	4	.023	.012		—
n	8	9	8	8	9					
m ±	0.100	0.089	0.063	0.061	0.052					
M ±	0.035	0.030	0.022	0.021	0.017					
P	0.82	1.11	2.07	2.27	—					

$\sigma_1 = \pm 0.071$, $\sigma_2 = \pm 0.041$, $\sigma_3 = \pm 0.012i$, $\sigma = \pm 0.018$, $\alpha = \pm 0.019$, $\alpha = \pm 0.018$
 $\Delta g = 243.379 \pm 0.018$ mGal

APPENDIX 2O GAG-2 RESULTS OF TIE: HOBART-FLINDERS ISLAND

GAG-2		Measured Intervals (mGal)						Mean	k	m	M	P
Meter		Dates						Interval		±	±	
No.	05 05	05 05	05 07	05 07	05 07-08	05 08	mGal	—	mGal	mGal	—	
1	245.14	245.18	245.26	245.26	245.24	245.13	245.202	6	.058	.024	1.74	
2	245.34	245.19	245.29	245.39	245.24	(244.97)	245.290	5	.079	.035	0.82	
3	245.23	245.19	245.12	245.11	245.29	245.27	245.202	6	.075	.031	1.04	
30	245.34	(245.55)	—	—	—	245.28	245.310	2	.042	.030	1.11	
39	245.16	245.19	245.10	245.18	245.28	245.32	245.205	6	.083	.034	0.87	
40	245.16	245.21	(245.01)	245.23	245.36	245.39	245.270	5	.100	.045	0.49	
41	245.35	245.26	(245.08)	245.13	245.20	245.25	245.238	5	.082	.036	0.77	
43	245.42	245.47	245.15	245.20	245.28	245.23	245.292	6	.127	.052	0.37	
Mean	245.268	246.241	245.184	245.214	245.270	245.267	245.241	6	.029	.012	—	
n	8	7	5	7	7	7	8					
m ±	0.107	0.104	0.086	0.092	0.052	0.088	0.045					
M ±	0.038	0.039	0.38	0.035	0.019	0.032	0.016					
P	0.69	0.66	0.69	0.82	3.33	0.98	—					
$\sigma_1 = \pm 0.096, \sigma_2 = \pm 0.017, \sigma_3 = \pm 0.013i, \sigma = \pm 0.015, \alpha = \pm 0.016, \alpha = \pm 0.016$												
$\Delta g = 245.241 \pm 0.016 \text{ mGal}$												

APPENDIX 2P GAG-2 RESULTS OF TIE: SYDNEY-SYDNEY A

GAG-2	Measured Intervals (mGal)			Mean	k	m	M	P
Meter	Dates			Interval		±	±	
No.	05 13	05 13	05 13	mGal	—	mGal	mGal	—
1	14.25	14.35	14.30	14.300	3	.050	.029	1.19
2	14.16	14.19	14.29	14.213	3	.067	.038	0.69
3	14.39	14.37	14.35	14.370	3	.020	.012	6.93
30	14.40	14.46	14.42	14.427	3	.031	.013	3.08
39	14.06	14.19	14.29	14.180	3	.115	.067	0.22
40	14.47	14.47	14.37	14.437	3	.058	.033	0.89
41	14.31	14.18	14.24	14.243	3	.021	.012	6.93
43	14.42	14.26	14.14	14.273	3	.065	.038	0.69
Mean	14.308	14.309	14.301	14.306	3	.004	.003	—
n	8	8	8	8				
m ±	0.142	0.115	0.061	0.094				
M ±	0.050	0.041	0.021	0.033				
P	0.40	0.59	0.23	—				

$\sigma_1 = \pm 0.082, \sigma_2 = \pm 0.087, \sigma_3 = \pm 0.042i, \sigma = \pm 0.025, \alpha = \pm 0.035, \alpha = \pm 0.023$
 $\Delta g = 14.305 \pm 0.023 \text{ mGal}$

APPENDIX 3A

Milligal Values for LaCoste & Romberg, Inc. Model G Gravity Meter 20

<i>Counter Reading</i>	<i>Value in Milligals</i>	<i>Factor for Interval</i>	<i>Counter Reading</i>	<i>Value in Milligals</i>	<i>Factor for Interval</i>
000	000.000	1.04700			
100	104.700	1.04695	3600	3773.865	1.05055
200	209.395	1.04690	3700	3878.920	1.05070
300	314.085	1.04690	3800	3983.990	1.05085
400	418.775	1.04690	3900	4089.075	1.05100
500	523.465	1.04695	4000	4194.175	1.05115
600	628.160	1.04700	4100	4299.290	1.05125
700	732.860	1.04710	4200	4404.415	1.05135
800	837.570	1.04720	4300	4509.550	1.05140
900	942.290	1.04730	4400	4614.690	1.05150
1000	1047.020	1.04740	4500	4719.840	1.05155
1100	1151.760	1.04750	4600	4824.995	1.05155
1200	1256.510	1.04755	4700	4930.150	1.05160
1300	1361.265	1.04760	4800	5035.310	1.05160
1400	1466.025	1.04765	4900	5140.470	1.05160
1500	1570.790	1.04770	5000	5245.630	1.05160
1600	1675.560	1.04780	5100	5350.790	1.05160
1700	1780.340	1.04790	5200	5455.950	1.05155
1800	1885.130	1.04800	5300	5561.105	1.05150
1900	1989.930	1.04815	5400	5666.255	1.05140
2000	2094.745	1.04830	5500	5771.395	1.05130
2100	2199.575	1.04845	5600	5876.525	1.05115
2200	2304.420	1.04860	5700	5981.640	1.05100
2300	2409.280	1.04875	5800	6086.740	1.05085
2400	2514.155	1.04895	5900	6191.825	1.05070
2500	2619.050	1.04915	6000	6296.895	1.05050
2600	2723.965	1.04935	6100	6401.945	1.05025
2700	2828.900	1.04950	6200	6506.970	1.05005
2800	2933.850	1.04965	6300	6611.975	1.04980
2900	3038.815	1.04975	6400	6716.955	1.04955
3000	3143.790	1.04985	6500	6821.910	1.04930
3100	3248.775	1.05000	6600	6926.840	1.04900
3200	3353.775	1.05005	6700	7031.740	1.04875
3300	3458.780	1.05015	6800	7136.615	1.04845
3400	3563.795	1.05030	6900	7241.460	1.04815
3500	3668.825	1.05040	7000	7346.275	

Manufacturers table LH 9-20-61 with values in milligals extended to 0.001 milligal by BMR 1973. Effective September 1961-June 1972.

APPENDIX 3B

Milligal Values for LaCoste & Romberg, Inc. Model G Gravity Meter 20A

<i>Counter Reading</i>	<i>Value in Milligals</i>	<i>Factor for Interval</i>	<i>Counter Reading</i>	<i>Value in Milligals</i>	<i>Factor for Interval</i>
000	000.000	1.04694			
100	104.694	1.04710	3600	3775.825	1.05170
200	209.404	1.04721	3700	3881.995	1.05186
300	314.125	1.04728	3800	3986.181	1.05202
400	418.853	1.04733	3900	4091.383	1.05216
500	523.586	1.04736	4000	4196.599	1.05231
600	628.322	1.04739	4100	4301.830	1.05245
700	733.061	1.04741	4200	4407.075	1.05259
800	837.802	1.04744	4300	4512.334	1.05272
900	942.546	1.04746	4400	4617.606	1.05284
1000	1047.292	1.04755	4500	4722.890	1.05295
1100	1152.049	1.04765	4600	4828.185	1.05304
1200	1256.812	1.04780	4700	4933.489	1.05311
1300	1361.592	1.04795	4800	5038.800	1.05318
1400	1466.387	1.04810	4900	5144.118	1.05322
1500	1571.197	1.04825	5000	5249.440	1.05325
1600	1676.022	1.04840	5100	5354.765	1.05326
1700	1780.862	1.04850	5200	5460.091	1.05328
1800	1885.712	1.04860	5300	5565.419	1.05327
1900	1990.572	1.04870	5400	5670.746	1.05325
2000	2095.442	1.04885	5500	5776.071	1.05319
2100	2200.327	1.04903	5600	5881.390	1.05310
2200	2305.230	1.04920	5700	5986.700	1.05298
2300	2410.150	1.04940	5800	6092.998	1.05285
2400	2515.090	1.04960	5900	6197.283	1.05270
2500	2620.050	1.04980	6000	6302.553	1.05253
2600	2725.030	1.05000	6100	6407.806	1.05235
2700	2830.030	1.05018	6200	6513.041	1.05217
2800	2935.048	1.05035	6300	6618.258	1.05195
2900	3040.083	1.05055	6400	6723.453	1.05170
3000	3145.138	1.05072	6500	6828.623	1.05145
3100	3250.210	1.05090	6600	6933.768	1.05118
3200	3355.300	1.05106	6700	7038.886	1.05090
3300	3460.406	1.05123	6800	7143.976	1.05055
3400	3565.529	1.05140	6900	7249.031	1.05020
3500	3670.669	1.05156	7000	7354.051	

Manufacturers table AWS 6-14-72 with values in milligals extended to 0.001 milligal by
BMR 1973. Effective June 1972

APPENDIX 3C

Milligal Values for LaCoste & Romberg, Inc. Model G Gravity Meter No. 101

<i>Counter Reading</i>	<i>Value in Milligals</i>	<i>Factor for Interval</i>	<i>Counter Reading</i>	<i>Value in Milligals</i>	<i>Factor for Interval</i>
000	000.000	1.04560			
100	104.560	1.04535	3600	3763.250	1.04610
200	209.095	1.04510	3700	3867.860	1.04615
300	313.605	1.04500	3800	3972.475	1.04615
400	418.105	1.04495	3900	4077.090	1.04610
500	522.600	1.04495	4000	4181.700	1.04610
600	627.095	1.04495	4100	4286.310	1.04610
700	731.590	1.04500	4200	4390.920	1.04610
800	836.090	1.04505	4300	4495.530	1.04610
900	940.595	1.04505	4400	4600.140	1.04605
1000	1045.100	1.04505	4500	4704.745	1.04600
1100	1149.605	1.04505	4600	4809.345	1.04595
1200	1254.110	1.04500	4700	4913.940	1.04595
1300	1358.610	1.04500	4800	5018.535	1.04590
1400	1463.110	1.04505	4900	5123.125	1.04580
1500	1567.615	1.04510	5000	5227.705	1.04570
1600	1672.125	1.04515	5100	5332.275	1.04560
1700	1776.640	1.04515	5200	5436.835	1.04550
1800	1881.155	1.04510	5300	5541.385	1.04540
1900	1985.665	1.04515	5400	5645.925	1.04525
2000	2090.180	1.04515	5500	5750.450	1.04510
2100	2194.695	1.04520	5600	5854.960	1.04495
2200	2299.215	1.04540	5700	5959.455	1.04480
2300	2403.755	1.04545	5800	6063.935	1.04470
2400	2508.300	1.04545	5900	6168.405	1.04440
2500	2612.845	1.04570	6000	6272.845	1.04425
2600	2717.415	1.04560	6100	6377.270	1.04405
2700	2821.975	1.04560	6200	6481.675	1.04385
2800	2926.535	1.04565	6300	6586.060	1.04360
2900	3031.100	1.04570	6400	6690.420	1.04335
3000	3135.670	1.04580	6500	6794.755	1.04300
3100	3240.250	1.04590	6600	6899.055	1.04265
3200	3344.840	1.04595	6700	7003.320	1.04235
3300	3449.435	1.04600	6800	7107.555	1.04195
3400	3554.035	1.04605	6900	7211.750	1.04160
3500	3658.640	1.04610	7000	7315.910	

Manufacturers table LAS 8-24-65 with values in milligals extended to 0.001 milligal by BMR
1973. Effective August 1965-

APPENDIX 3D

Milligal Values for LaCoste & Romberg, Inc. Model G Gravity Meter 104

<i>Counter Reading</i>	<i>Value in Milligals</i>	<i>Factor for Interval</i>	<i>Counter Reading</i>	<i>Value in Milligals</i>	<i>Factor for Interval</i>
000	000.000	1.05240			
100	105.240	1.05240	3600	3791.295	1.05470
200	210.480	1.05240	3700	3896.765	1.05475
300	315.720	1.05240	3800	4002.240	1.05485
400	420.960	1.05235	3900	4107.725	1.05490
500	526.195	1.05230	4000	4213.215	1.05495
600	631.425	1.05220	4100	4318.710	1.05495
700	736.645	1.05215	4200	4424.205	1.05500
800	841.860	1.05220	4300	4529.705	1.05500
900	947.080	1.05225	4400	4635.205	1.05505
1000	1052.305	1.05235	4500	4740.710	1.05510
1100	1157.540	1.05245	4600	4846.220	1.05520
1200	1262.785	1.05250	4700	4951.740	1.05530
1300	1368.035	1.05250	4800	5057.270	1.05530
1400	1473.285	1.05260	4900	5162.800	1.05525
1500	1578.545	1.05270	5000	5268.325	1.05520
1600	1683.815	1.05280	5100	5373.845	1.05505
1700	1789.095	1.05290	5200	5479.350	1.05500
1800	1894.385	1.05300	5300	5584.850	1.05495
1900	1999.685	1.05305	5400	5690.345	1.05490
2000	2104.990	1.05315	5500	5795.835	1.05490
2100	2210.305	1.05320	5600	5901.325	1.05490
2200	2315.625	1.05330	5700	6006.815	1.05485
2300	2420.955	1.05345	5800	6112.300	1.05475
2400	2526.300	1.05355	5900	6217.775	1.05465
2500	2631.655	1.05370	6000	6323.240	1.05450
2600	2737.025	1.05380	6100	6428.690	1.05435
2700	2842.405	1.05390	6200	6534.125	1.05425
2800	2947.795	1.05400	6300	6639.550	1.05410
2900	3053.195	1.05415	6400	6744.960	1.05395
3000	3158.610	1.05425	6500	6850.355	1.05380
3100	3264.035	1.05435	6600	6955.735	1.05355
3200	3369.470	1.05445	6700	7061.090	1.05330
3300	3474.915	1.05455	6800	7166.420	1.05305
3400	3580.370	1.05460	6900	7271.725	1.05280
3500	3685.830	1.05465	7000	7377.005	

Manufacturers table DTH 11-16-65 with values in milligals extended to 0.001 milligal by BMR 1973. Effective November 1965-

APPENDIX 3E

Milligal Values for LaCoste & Romberg, Inc. Model G Gravity Meter 132

<i>Counter Reading</i>	<i>Value in Milligals</i>	<i>Factor for Interval</i>	<i>Counter Reading</i>	<i>Value in Milligals</i>	<i>Factor for Interval</i>
000	000.000	1.05590			
100	105.590	1.05566	3600	3804.836	1.05955
200	211.156	1.05552	3700	3910.791	1.05965
300	316.708	1.05545	3800	4016.756	1.05980
400	422.253	1.05542	3900	4122.736	1.05991
500	527.795	1.05543	4000	4228.727	1.06005
600	633.338	1.05546	4100	4334.732	1.06016
700	738.884	1.05550	4200	4440.748	1.06030
800	844.434	1.05557	4300	4546.778	1.06042
900	949.991	1.05565	4400	4652.820	1.06055
1000	1055.556	1.05574	4500	4758.875	1.06065
1100	1161.130	1.05584	4600	4864.940	1.06077
1200	1266.714	1.05594	4700	4971.017	1.06087
1300	1372.308	1.05605	4800	5077.104	1.06095
1400	1477.913	1.05617	4900	5183.199	1.06104
1500	1583.530	1.05630	5000	5289.303	1.06110
1600	1689.160	1.05641	5100	5395.413	1.06115
1700	1794.801	1.05653	5200	5501.528	1.06120
1800	1900.454	1.05665	5300	5607.648	1.06124
1900	2006.119	1.05680	5400	5713.772	1.06124
2000	2111.799	1.05694	5500	5819.896	1.06122
2100	2217.493	1.05708	5600	5926.018	1.06120
2200	2323.201	1.05721	5700	6032.138	1.06117
2300	2428.922	1.05735	5800	6138.255	1.06112
2400	2534.657	1.05752	5900	6244.367	1.06107
2500	2640.409	1.05770	6000	6350.474	1.06100
2600	2746.179	1.05785	6100	6456.574	1.06092
2700	2851.964	1.05804	6200	6562.666	1.06080
2800	2957.768	1.05820	6300	6668.746	1.06070
2900	3063.588	1.05840	6400	6774.816	1.06055
3000	3169.428	1.05858	6500	6880.871	1.06040
3100	3275.286	1.05875	6600	6986.911	1.06020
3200	3381.161	1.05895	6700	7092.931	1.05996
3300	3487.056	1.05913	6800	7198.927	1.05965
3400	3592.969	1.05927	6900	7304.892	1.05931
3500	3698.896	1.05940	7000	7410.823	

Manufacturers table AWS 6-3-70 with values in milligals extended to 0.001 milligal by BMR 1973. Effective November 1966-

APPENDIX 3F

Milligal Values for LaCoste & Romberg, Inc. Model G Gravity Meter 252

<i>Counter Reading</i>	<i>Value in Milligals</i>	<i>Factor for Interval</i>	<i>Counter Reading</i>	<i>Value in Milligals</i>	<i>Factor for Interval</i>
000	000.000	1.05207			
100	105.207	1.05197	3600	3785.948	1.05188
200	210.404	1.05192	3700	3891.136	1.05191
300	315.596	1.05187	3800	3996.327	1.05195
400	420.783	1.05185	3900	4101.522	1.05196
500	525.968	1.05182	4000	4206.718	1.05198
600	631.150	1.05180	4100	4311.916	1.05199
700	736.330	1.05175	4200	4417.115	1.05198
800	841.505	1.05170	4300	4522.313	1.05198
900	946.675	1.05165	4400	4627.511	1.05196
1000	1051.840	1.05161	4500	4732.707	1.05195
1100	1157.001	1.05157	4600	4837.902	1.05192
1200	1262.158	1.05154	4700	4943.094	1.05187
1300	1367.312	1.05151	4800	5048.281	1.05182
1400	1472.463	1.05150	4900	5153.463	1.05170
1500	1577.613	1.05147	5000	5258.633	1.05155
1600	1682.760	1.05146	5100	5363.788	1.05140
1700	1787.906	1.05146	5200	5468.928	1.05127
1800	1893.052	1.05145	5300	5574.055	1.05115
1900	1998.197	1.05142	5400	5679.170	1.05098
2000	2103.339	1.05140	5500	5784.268	1.05080
2100	2208.479	1.05140	5600	5889.348	1.05060
2200	2313.619	1.05142	5700	5994.408	1.05040
2300	2418.761	1.05145	5800	6099.448	1.05020
2400	2523.906	1.05150	5900	6204.408	1.04998
2500	2629.056	1.05155	6000	6309.466	1.04977
2600	2734.211	1.05160	6100	6414.443	1.04953
2700	2839.371	1.05167	6200	6519.396	1.04925
2800	2944.538	1.05170	6300	6624.321	1.04895
2900	3049.708	1.05173	6400	6729.216	1.04864
3000	3154.881	1.05175	6500	6834.080	1.04830
3100	3260.056	1.05175	6600	6938.910	1.04794
3200	3365.231	1.05175	6700	7043.704	1.04755
3300	3470.406	1.05177	6800	7148.459	1.04715
3400	3575.583	1.05180	6900	7253.174	1.04680
3500	3680.763	1.05185	7000	7357.854	

Manufacturers table AWS 1-13-71 with values in milligals extended to 0.001 milligal by BMR 1973. Effective January 1971-June 1972.

APPENDIX 3G

Milligal values for LaCoste & Romberg, Inc. Model G Gravity Meter 252

<i>Counter Reading</i>	<i>Value in Milligals</i>	<i>Factor for Interval</i>	<i>Counter Reading</i>	<i>Value in Milligals</i>	<i>Factor for Interval</i>
000	000.000	1.05169			
100	105.169	1.05159	3600	3784.580	1.05150
200	210.328	1.05154	3700	3889.730	1.05153
300	315.482	1.05149	3800	3994.883	1.05157
400	420.631	1.05147	3900	4100.040	1.05158
500	525.778	1.05144	4000	4205.198	1.05160
600	630.922	1.05142	4100	4310.358	1.05161
700	736.064	1.05137	4200	4415.519	1.05160
800	841.201	1.05132	4300	4520.679	1.05160
900	946.333	1.05127	4400	4625.839	1.05158
1000	1051.460	1.05123	4500	4731.997	1.05157
1100	1156.583	1.05119	4600	4836.154	1.05154
1200	1261.702	1.05116	4700	4941.308	1.05149
1300	1366.818	1.05113	4800	5046.457	1.05144
1400	1471.931	1.05112	4900	5151.601	1.05132
1500	1577.043	1.05109	5000	5256.733	1.05117
1600	1682.152	1.05108	5100	5361.850	1.05102
1700	1787.260	1.05108	5200	5466.952	1.05089
1800	1892.368	1.05107	5300	5572.041	1.05077
1900	1997.475	1.05104	5400	5677.118	1.05060
2000	2102.579	1.05102	5500	5782.178	1.05042
2100	2207.681	1.05102	5600	5887.220	1.05022
2200	2312.783	1.05104	5700	5992.242	1.05002
2300	2417.887	1.05107	5800	6097.244	1.04982
2400	2522.994	1.05112	5900	6202.226	1.04960
2500	2628.106	1.05117	6000	6307.186	1.04939
2600	2733.223	1.05122	6100	6412.125	1.04915
2700	2838.345	1.05129	6200	6517.040	1.04887
2800	2943.474	1.05132	6300	6621.927	1.04857
2900	3048.606	1.05135	6400	6726.784	1.04826
3000	3153.741	1.05137	6500	6831.610	1.04792
3100	3258.878	1.05137	6600	6936.402	1.04756
3200	3364.015	1.05137	6700	7041.158	1.04717
3300	3469.152	1.05139	6800	7145.875	1.04677
3400	3574.291	1.05142	6900	7250.552	1.04642
3500	3679.433	1.05147	7000	7355.194	

Manufacturers table AWS 6-16-72 with values in milligals extended to 0.001 milligal by BMR 1973. Effective June 1972-

APPENDIX 4A G20 1965

IGC Name	Station	BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
			M	D	H	M			
Brisbane J		6491.0147	02	05	09	40	2680.13	— .016	2808.033
Brisbane C		6499.0147	02	05	10	29	2689.99	+ .024	2818.420
Brisbane D		6091.0147	02	05	10	52	2689.40	+ .047	2817.824
Brisbane N		6091.0247	02	05	11	25	2633.89	+ .074	2759.601
Brisbane K		6491.0247	02	05	12	36	2688.13	+ .117	2816.561
Brisbane N		6091.0247	02	05	14	11	2633.86	+ .134	2759.630
Brisbane D		6091.0147	02	05	14	35	2689.31	+ .128	2817.810
Brisbane C		6499.0147	02	05	14	52	2689.89	+ .121	2818.412
Brisbane J		6491.0147	02	05	17	31	2680.07	+ .005	2807.991
Maryborough A		5099.9948	02	05	19	09	2548.45	— .059	2669.822
Maryborough J		6591.0148	02	05	20	07	2550.12	— .075	2671.558
Maryborough J		6591.0148	02	06	11	07	2550.07	+ .030	2671.611
Maryborough A		5099.9948	02	06	12	04	2548.33	+ .067	2669.822
Rockhampton K		6499.0149	02	06	14	30	2407.94	+ .123	2522.607
Rockhampton J		6591.0149	02	06	15	05	2407.28	+ .117	2521.908
Rockhampton A		5099.9949	02	06	15	34	2404.15	+ .114	2518.622
Rockhampton J		6591.0149	02	06	18	01	2407.39	+ .013	2521.920
Rockhampton K		6499.0149	02	06	18	16	2408.04	+ .002	2522.591
Mackay J		6491.0161	02	06	21	30	2274.55	— .063	2382.530
Mackay J		6491.0161	02	07	10	16	2274.53	— .023	2382.549
Mackay A		6499.9961	02	07	10	36	2275.35	— .016	2383.416
Mackay J		6491.0161	02	07	10	55	2274.51	— .009	2382.542
Townsville N		6591.0151	02	07	13	30	2169.39	+ .072	2272.399
Townsville A		5099.9951	02	07	14	20	2169.45	+ .095	2272.485
Townsville B		6491.0251	02	07	14	50	2170.10	+ .102	2273.173
Townsville A		5099.9951	02	07	15	04	2169.45	+ .105	2272.495
Townsville N		6591.0151	02	07	15	18	2169.37	+ .105	2272.411
Townsville L		6091.0151	02	07	15	56	2172.40	+ .103	2275.586
Townsville M		6091.0251	02	07	16	20	2114.64	+ .097	2215.021
Townsville L		6091.0151	02	07	16	49	2172.41	+ .088	2275.581
Townsville N		6591.0151	02	07	19	05	2169.44	+ .006	2272.385
Cairns A		5099.9952	02	07	21	25	2051.81	— .049	2149.008
Cairns A		5099.9952	02	09	10	21	2051.78	+ .010	2149.036
Cairns L		6591.0252	02	09	11	30	2050.31	— .005	2147.480
Cairns K		6491.0152	02	09	11	47	2047.76	— .006	2144.806
Cairns L		6591.0252	02	09	12	06	2050.35	— .007	2147.520
Cairns A		5099.9952	02	09	12	25	2051.79	— .007	2149.029
Cairns A		5099.9952	02	10	06	48	2051.68	+ .113	2149.034
Townsville N		6591.0151	02	10	07	55	2169.44	+ .109	2272.488
Townsville C		6499.0151	02	10	11	01	2169.53	+ .032	2272.506
Mackay J		6491.0161	02	10	13	11	2274.62	— .015	2382.652
Rockhampton K		6499.0149	02	10	16	21	2408.16	— .006	2522.708
Rockhampton K		6499.0149	02	11	08	30	2408.05	+ .133	2522.732
Maryborough A		5099.9948	02	11	10	11	2548.39	+ .097	2669.915
Brisbane J		6491.0147	02	11	11	51	2680.15	+ .032	2808.102
Brisbane J		6491.0147	02	12	09	59	2680.02	+ .131	2808.065
Grafton K		6491.9110	02	12	16	44	2842.02	— .082	2977.874
Grafton J		6491.1110	02	12	17	38	2833.45	— .073	2968.888
Grafton K		6491.9110	02	12	18	10	2842.03	— .063	2977.904
Kempsey J		6491.9111	02	12	22	45	2934.41	— .021	3074.916

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time (EST)</i>				<i>Reading (Sc. Div.)</i>	<i>E.T. Corr. (mGal)</i>	<i>Corr'd Equiv. (mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>	<i>M</i>			
Kempsey J		6491.9111	02	13	09	10	2934.25	+ .174	3074.943
Kempsey K		6491.1111	02	13	09	43	2943.53	+ .181	3084.692
Kempsey J		6491.9111	02	13	10	04	2934.23	+ .182	3074.930
Sydney J		6491.0105	02	13	18	08	3193.82	— .096	3347.190
Sydney J		6491.0105	02	15	11	52	3193.54	+ .194	3347.186
Sydney A		5099.9905	02	15	14	13	3181.28	+ .099	3334.218
Sydney N		6091.0105	02	15	14	54	3163.43	+ .052	3315.429
Sydney O		6091.0205	02	15	15	33	3107.26	+ .009	3256.407
Sydney N		6091.0105	02	15	16	13	3163.50	— .032	3315.418
Sydney A		5099.9905	02	15	17	35	3181.46	— .093	3334.215
Sydney J		6491.0105	02	15	17	57	3193.79	— .103	3347.152
Sydney J		6491.0105	02	16	09	06	3193.66	+ .050	3347.168
Canberra J		6491.0104	02	16	10	44	3118.96	+ .134	3268.817
Canberra K		6591.0204	02	16	13	27	3062.67	+ .162	3209.746
Canberra J		6491.0104	02	16	14	08	3118.94	+ .135	3268.797
Canberra J		6491.0104	02	17	10	15	3119.03	+ .057	3268.814
Albury K		6591.9136	02	17	11	48	3257.28	+ .125	3414.047
Albury J		6591.1136	02	17	12	29	3262.90	+ .146	3419.969
Albury J		6591.1136	02	18	10	39	3263.02	+ .022	3419.971
Albury K		6591.9136	02	18	11	30	3257.33	+ .063	3414.037
Melbourne M		6491.0101	02	18	13	07	3443.52	+ .107	3609.611
Melbourne M		6491.0101	02	19	15	06	3443.51	+ .076	3609.570
Melbourne C		6491.0501	02	19	16	02	3460.45	+ .055	3627.341
Melbourne A		5099.9901	02	19	16	19	3460.46	+ .045	3627.341
Melbourne D		6491.0201	02	19	16	31	3460.47	+ .038	3627.345
Melbourne J		6591.0201	02	19	16	40	3460.50	+ .032	3627.370
Melbourne E		6591.0101	02	19	16	51	3460.64	+ .026	3627.511
Melbourne J		6591.0201	02	19	16	58	3460.51	+ .022	3627.371
Melbourne C		6491.0501	02	19	17	12	3460.51	+ .013	3627.362
Melbourne M		6491.0101	02	19	17	38	3443.57	— .005	3609.552
Melbourne M		6491.0101	02	20	09	33	3443.63	— .053	3609.567
Melbourne N		6491.0301	02	20	10	16	3443.62	— .043	3609.566
Melbourne J		6591.0201	02	20	10	37	3444.44	— .036	3610.434
Melbourne L		6591.0301	02	20	10	57	3444.45	— .030	3610.451
Melbourne F		6491.0401	02	20	11	47	3467.37	— .008	3634.546
Melbourne P		6091.0101	02	20	13	22	3430.72	+ .031	3596.091
Melbourne Q		6091.0201	02	20	13	46	3380.23	+ .038	3543.072
Melbourne P		6091.0101	02	20	14	06	3430.75	+ .044	3596.136
Melbourne F		6491.0401	02	20	15	03	3467.34	+ .048	3634.570
Melbourne L		6591.0301	02	20	15	43	3444.37	+ .042	3610.439
Melbourne J		6591.0201	02	20	15	51	3444.37	+ .040	3610.437
Melbourne N		6491.0301	02	20	16	07	3443.53	+ .036	3609.551
Melbourne M		6491.0101	02	20	16	15	3443.55	+ .032	3609.568

APPENDIX 4B G20 1970

IGC Name	Station	BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
			M	D	H	M			
Canberra L		6491.0304	05	04	10	57	3119.635	+.027	3269.419
Canberra K		6491.0204	05	04	11	25	3067.58	+.025	3214.764
Canberra L		6491.0304	05	04	11	58	3119.66	+.018	3269.436
Canberra K		6491.0204	05	04	12	34	3067.585	+.005	3214.749
Canberra L		6491.0304	05	04	13	05	3119.68	-.012	3269.427
Canberra K		6491.0204	05	04	13	35	3067.62	-.029	3214.752
Canberra L		6491.0304	05	04	13	56	3119.71	-.041	3269.430
Canberra M		6893.0104	05	05	12	26	3124.03	+.003	3274.010
Albury L		6793.1136	05	05	14	00	3262.145	-.034	3418.996
Canberra M		6893.0104	05	05	15	24	3124.10	-.077	3274.003
Albury L		6793.1136	05	05	16	51	3262.20	-.098	3418.990
Albury L		6793.1136	05	06	08	12	3262.185	-.088	3418.984
Melbourne		7090.0101	05	06	10	01	3448.34	-.055	3614.512
Albury L		6793.1136	05	06	11	39	3262.11	-.013	3418.981
Melbourne		7090.0101	05	06	13	39	3448.30	-.028	3614.496
Melbourne P		6091.0101	05	07	10	05	3435.535	-.068	3601.049
Melbourne Q		6091.0201	05	07	10	43	3384.995	-.057	3547.980
Melbourne P		6091.0101	05	07	11	32	3435.515	-.042	3601.054
Melbourne Q		6091.0201	05	07	12	09	3384.985	-.034	3547.993
Melbourne P		6091.0101	05	07	12	39	3435.49	-.030	3601.040
Melbourne Q		6091.0201	05	07	13	20	3384.965	-.029	3547.977
Melbourne P		6091.0101	05	07	13	52	3435.50	-.033	3601.048
Melbourne U		7070.9401	05	08	10	04	3487.025	-.074	3655.123
Flinders Island L		6491.9140	05	08	12	03	3680.05	-.052	3857.910
Melbourne U		7090.9401	05	08	13	48	3486.99	-.038	3655.123
Flinders Island L		6491.9140	05	08	16	34	3680.06	-.078	3857.894
Flinders Island L		6491.9140	05	09	08	53	3680.01	-.065	3857.855
Launceston J		6491.0171	05	09	10	27	3747.755	-.072	3939.024
Flinders Island L		6491.9140	05	09	11	59	3680.03	-.059	3857.882
Launceston J		6491.0171	05	09	13	27	3747.755	-.055	3929.041
Launceston N		6850.0271	05	09	14	10	3747.480	-.055	3928.752
Launceston J		6491.0171	05	09	14	52	3747.74	-.058	3929.022
Hobart K		6491.0160	05	09	16	24	3912.73	-.073	4102.381
Launceston J		6491.0171	05	09	17	34	3747.765	-.078	3929.029
Hobart K		6491.0160	05	09	18	49	3912.725	-.080	4102.369
Hobart L		6091.0160	05	11	09	58	3908.225	-.045	4097.674
Hobart M		6091.0260	05	11	11	07	3856.375	-.060	4043.172
Hobart L		6091.0160	05	11	11	45	3908.260	-.064	4097.692
Hobart M		6091.0260	05	11	12	27	3856.365	-.066	4043.155
Hobart L		6091.0160	05	11	13	12	3908.26	-.066	4097.690
Hobart M		6091.0260	05	11	14	02	3856.39	-.065	4043.182
Hobart L		6091.0160	05	11	14	38	3908.27	-.063	4097.704
Hobart K		6491.0160	05	12	09	45	3912.69	-.024	4102.388
King Island		6491.9143	05	12	12	14	3672.62	-.057	3850.099
Melbourne U		7090.9401	05	12	13	32	3487.025	-.059	3655.138
Canberra M		6893.0104	05	14	10	27	3124.02	-.005	3273.991
Sydney V		6891.0105	05	14	12	27	3198.50	-.049	3352.151
Canberra M		6893.0104	05	14	14	43	3124.11	-.061	3274.030
Sydney V		6891.0105	05	14	16	22	3198.535	-.033	3352.204
Sydney U		7090.0105	05	14	17	11	3196.535	-.018	3350.119
Sydney V		6891.0105	05	14	18	07	3198.50	+.001	3352.201

<i>IGC Name</i>	<i>Station BMR No.</i>	<i>Date and Time (EST)</i>				<i>Reading (Sc. Div.)</i>	<i>E.T. Corr. (mGal)</i>	<i>Corr'd Equiv. (mGal)</i>
		<i>M</i>	<i>D</i>	<i>H</i>	<i>M</i>			
Sydney N	6091.0105	05	15	10	25	3168.215	+ .007	3320.408
Sydney O	6091.0205	05	15	11	02	3112.015	— .009	3261.382
Sydney N	6091.0105	05	15	11	36	3168.23	— .024	3320.393
Sydney O	6091.0205	05	15	12	17	3112.04	— .040	3261.377
Sydney N	6091.0105	05	15	12	57	3168.235	— .054	3320.368
Sydney O	6091.0205	05	15	13	46	3112.055	— .063	3261.370
Sydney N	6091.0105	05	15	14	25	3168.26	— .066	3320.382
Sydney V	6891.0105	05	16	07	51	3198.45	+ .043	3352.191
Williamtown J	7090.9402	05	16	09	41	3087.485	+ .036	3235.672
Sydney V	6891.0105	05	16	10	47	3198.50	+ .009	3352.209
Williamtown J	7090.9402	05	16	12	40	3087.575	— .043	3235.688
Kempsey J	6491.9111	05	16	13	56	2939.185	— .065	3079.884
Williamtown J	7090.9402	05	16	15	13	3087.625	— .067	3235.716
Kempsey J	6491.9111	05	16	16	29	2939.15	— .040	3079.873
Kempsey J	6491.9111	05	18	08	15	2939.075	+ .020	3079.854
Grafton K	6491.9110	05	18	09	27	2846.655	+ .042	2982.863
Kempsey J	6491.9111	05	18	10	36	2939.10	+ .030	3079.890
Grafton K	6491.9110	05	18	11	48	2846.695	+ .007	2982.870
Brisbane J	6491.0147	05	18	13	15	2648.92	— .036	2813.040
Grafton K	6491.9110	05	18	15	11	2846.81	— .081	2982.903
Brisbane J	6491.0147	05	18	16	28	2684.955	— .068	2813.045
Brisbane D	6091.0147	05	19	10	35	2694.20	+ .043	2822.857
Brisbane N	6091.0247	05	19	11	20	2638.765	+ .034	2764.677
Brisbane D	6091.0147	05	19	11	55	2694.20	+ .019	2822.833
Brisbane N	6091.0247	05	19	12	23	2638.785	+ .004	2764.668
Brisbane D	6091.0147	05	19	12	50	2694.23	— .011	2822.834
Brisbane N	6091.0247	05	19	13	20	2638.815	— .028	2764.668
Brisbane D	6091.0147	05	19	13	50	2694.265	— .045	2822.837
Brisbane J	6491.0147	05	20	09	03	2684.90	— .003	2813.052
Maryborough A	5099.9948	05	20	10	51	2553.215	+ .041	2674.922
Brisbane J	6491.0147	05	20	12	17	2684.92	+ .015	2813.091
Maryborough A	5099.9948	05	20	13	48	2553.28	— .027	2674.922
Rockhampton K	6499.0149	05	20	15	34	2413.02	— .079	2527.733
Maryborough A	5099.9948	05	20	17	17	2553.40	— .085	2674.990
Rockhampton K	6499.0149	05	20	19	10	2412.945	— .013	2527.721
Rockhampton L	7090.0149	05	20	19	27	2413.12	+ .004	2527.921
Rockhampton K	6499.0149	05	21	07	53	2413.015	— .072	2527.735
Mackay J	6491.0161	05	21	09	38	2279.435	— .001	2387.715
Rockhampton K	6499.0149	05	21	10	58	2412.95	+ .033	2527.772
Mackay J	6491.0161	05	21	12	36	2279.395	+ .049	2387.723
Townsville O	7090.0151	05	21	14	53	2174.44	— .019	2277.603
Mackay J	6491.0161	05	21	16	50	2279.56	— .095	2387.752
Townsville O	7090.0151	05	21	18	22	2174.51	— .092	2277.603
Townsville L	6091.0151	05	22	08	51	2177.48	— .066	2280.743
Townsville M	6091.0251	05	22	09	20	2119.695	— .047	2220.177
Townsville L	6091.0151	05	22	09	46	2177.425	— .030	2280.721
Townsville M	6091.0251	05	22	10	17	2119.665	— .009	2220.184
Townsville L	6091.0151	05	22	10	34	2177.395	+ .001	2280.721
Townsville M	6091.0251	05	22	11	04	2119.64	+ .021	2220.188
Townsville L	6091.0151	05	22	11	27	2177.365	+ .033	2280.721
Townsville A	5099.9951	05	22	12	30	2174.365	+ .050	2277.593
Townsville O	7090.0151	05	22	12	46	2174.365	+ .051	2277.594
Townsville A	5099.9951	05	22	13	07	2174.375	+ .049	2277.602

IGC Name	Station BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
		M	D	H	M			
Townsville O	7090.0151	05	23	08	34	2174.515	— .087	2277.613
Townsville K	6491.0151	05	23	08	48	2174.535	— .084	2277.637
Cairns A	5099.9952	05	23	10	38	2056.745	— .022	2154.209
Townsville O	7090.0151	05	23	12	26	2174.43	+ .030	2277.641
Cairns A	5099.9952	05	23	13	49	2056.695	+ .052	2154.230
Cairns A	5099.9952	05	25	08	30	2056.805	— .050	2154.244
Cooktown L	7090.1072	05	25	09	52	2001.205	— .065	2095.943
Cairns A	5099.9952	05	25	11	08	2056.815	— .051	2154.253
Cooktown L	7090.1072	05	25	12	34	2001.175	— .008	2095.969
Iron Range K	6600.0025	05	25	14	18	1909.48	+ .047	1999.913
Cooktown L	7090.1072	05	25	16	11	2001.135	+ .043	2095.978
Iron Range K	6600.0025	05	25	18	07	1909.525	+ .012	1999.926
Iron Range K	6600.0025	05	26	09	46	1909.57	— .038	1999.923
Iron Range J	6491.9073	05	26	10	00	1908.39	— .043	1998.681
Thursday Island K	6691.1001	05	26	11	46	1812.425	— .041	1898.110
Iron Range K	6600.0025	05	26	13	18	1909.585	— .009	1999.968
Thursday Island K	6691.1001	05	26	15	10	1812.32	+ .050	1898.091
Thursday Island J	6691.9001	05	26	15	16	1812.315	+ .052	1898.088
Thursday Island K	6691.1001	05	27	07	29	1812.295	+ .083	1898.098
Port Moresby L	6791.0476	05	27	10	35	1782.08	— .029	1866.323
Thursday Island K	6691.1001	05	27	13	26	1812.41	— .026	1898.110
Port Moresby L	6791.0476	05	27	16	20	1781.985	+ .067	1866.319
Port Moresby Q	7090.0176	05	28	10	51	1790.70	— .006	1875.379
Port Moresby L	6791.0476	05	28	11	52	1782.105	— .030	1866.348
Port Moresby L	6791.0476	05	29	11	38	1782.075	— .002	1866.344
Lae K	6791.0177	05	29	13	25	1589.605	— .041	1664.628
Port Moresby L	6791.0476	05	29	15	09	1782.165	— .029	1866.412
Lae K	6791.0177	05	29	16	57	1589.53	+ .038	1664.629
Lae K	6791.0177	05	30	06	52	1589.475	+ .094	1664.627
Menyamya J	6791.9035	05	30	08	24	1418.35	+ .121	1485.370
Lae K	6791.0177	05	30	09	35	1589.485	+ .109	1664.652
Menyamya J	6791.9035	05	30	11	14	1418.435	+ .055	1485.393
Mount Hagen K	6791.0178	05	30	12	51	1271.835	— .007	1331.754
Menyamya J	6791.9035	05	30	15	46	1418.58	— .043	1485.447
Mount Hagen K	6791.0178	05	30	17	06	1271.835	— .002	1331.759
Mount Hagen K	6791.0178	05	31	08	54	1271.675	+ .120	1331.713
Laiagam J	6791.9029	05	31	10	32	1105.185	+ .116	1157.307
Mount Hagen K	6791.0178	05	31	11	41	1271.805	+ .074	1331.803
Laiagam J	6791.9029	05	31	13	03	1105.28	+ .015	1157.306
Mount Hagen K	6791.0178	05	31	14	12	1271.91	— .034	1331.805
Menyamya J	6791.9035	06	01	11	28	1418.47	+ .098	1485.473
Lae K	6791.0177	06	01	12	32	1589.56	+ .053	1664.675
Menyamya J	6791.9035	06	01	13	34	1418.485	+ .006	1485.397
Lae K	6791.0177	06	01	14	34	1589.67	— .040	1664.697
Lae K	6791.0177	06	02	08	52	1589.54	+ .067	1664.668
Port Moresby L	6791.0476	06	02	10	50	1782.11	+ .105	1866.488
Lae K	6791.0177	06	02	12	34	1589.565	+ .077	1664.704
Port Moresby L	6791.0476	06	02	14	30	1782.32	— .023	1866.580

<i>IGC Name</i>	<i>Station</i> <i>BMR No.</i>	<i>Date and Time</i> <i>(EST)</i>				<i>Reading</i> <i>(Sc. Div.)</i>	<i>E.T. Corr.</i> <i>(mGal)</i>	<i>Corr'd</i> <i>Equiv.</i> <i>(mGal)</i>
		<i>M</i>	<i>D</i>	<i>H</i>	<i>M</i>			
Port Moresby Q	7090.0176	06	03	14	45	1790.915	— .012	1875.598
Port Moresby C	7090.0376	06	03	15	16	1786.455	— .036	1870.900
Port Moresby D	7090.0576	06	03	15	33	1786.385	— .047	1870.816
Port Moresby Q	7090.0176	06	03	15	52	1790.975	— .061	1875.612
Port Moresby S	7090.0476	06	03	17	27	1782.55	— .090	1866.754
Port Moresby L	6791.0476	06	03	17	37	1782.365	— .089	1866.561
Port Moresby L	6791.0476	06	04	11	49	1782.19	+ .091	1866.558
Port Moresby K	6791.0376	06	04	12	38	1739.64	+ .089	1821.968
Port Moresby R	7090.0276	06	04	12	57	1740.85	+ .084	1823.231
Port Moresby L	6791.0476	06	04	13	37	1782.21	+ .061	1866.549
Port Moresby Q	7090.0176	06	04	14	24	1790.89	+ .032	1875.616
Port Moresby R	7090.0276	06	04	14	56	1740.895	+ .007	1823.201
Port Moresby Q	7090.0176	06	04	15	40	1790.935	— .029	1875.602
Port Moresby R	7090.0276	06	04	16	08	1740.96	— .048	1823.214
Port Moresby Q	7090.0176	06	04	16	29	1790.94	— .061	1875.575
Port Moresby R	7090.0276	06	04	17	07	1740.96	— .081	1823.181
Port Moresby Q	7090.0176	06	04	17	47	1790.975	— .089	1875.584
Cooktown L	7090.1072	06	05	12	07	2001.35	+ .053	2096.213
Cooktown K	6491.1072	06	05	13	03	1994.925	+ .058	2089.484
Cooktown L	7090.1072	06	05	14	10	2001.32	+ .039	2096.168
Brisbane J	6491.0147	06	06	08	44	2685.275	— .074	2813.374
Grafton K	6491.9110	06	06	10	34	2847.05	— .041	2983.195
Brisbane J	6491.0147	06	06	11	54	2685.17	— .006	2813.332
Grafton K	6491.9110	06	06	13	29	2846.995	— .011	2983.167
Williamtown J	7090.9402	06	06	15	27	3087.885	— .052	3236.004
Sydney V	6891.0105	06	06	16	30	3198.845	— .071	3352.491
Williamtown J	7090.9402	06	06	17	38	3087.865	— .081	3235.954
Sydney V	6891.0105	06	06	18	44	3198.83	— .074	3352.473
Canberra L	6491.0304	06	11	14	22	3119.90	— .034	3269.636
Canberra K	6491.0204	06	11	14	49	3067.825	— .026	3214.970
Canberra L	6491.0304	06	11	15	07	3119.90	— .021	3269.649
Canberra K	6491.0204	06	11	15	32	3067.805	— .015	3214.960
Canberra L	6491.0304	06	11	15	52	3119.865	— .009	3269.624
Canberra K	6491.0204	06	11	16	12	3067.79	— .004	3214.955
Canberra L	6491.0304	06	11	16	31	3119.855	— .000	3269.623

APPENDIX 4C G101 1970

IGC Name	Station	BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
			M	D	H	M			
Canberra L		6491.0304	05	04	10	55	3237.45	+ .027	3384.038
Canberra K		6491.0204	05	04	11	37	3184.96	+ .024	3329.134
Canberra L		6491.0304	05	04	12	04	3237.45	+ .016	3384.027
Canberra K		6491.0204	05	04	12	39	3185.20	+ .002	3329.363
Canberra L		6491.0304	05	04	13	05	3237.58	— .012	3384.135
Canberra K		6491.0204	05	04	13	35	3185.26	— .029	3329.394
Canberra L		6491.0304	05	04	14	00	3237.65	— .044	3384.176
Canberra M		6893.0104	05	05	12	20	3242.01	+ .005	3388.785
Albury L		6793.1136	05	05	13	54	3381.70	— .032	3534.861
Canberra M		6893.0104	05	05	15	19	3242.24	— .075	3388.946
Albury L		6793.1136	05	05	16	44	3381.85	— .097	3534.953
Albury L		6793.1136	05	06	08	19	3381.78	— .085	3534.892
Melbourne		7090.0101	05	06	10	00	3569.10	— .055	3730.871
Albury L		6793.1136	05	06	11	37	3381.73	— .013	3534.912
Melbourne		7090.0101	05	06	15	03	3569.04	— .057	3730.806
Melbourne U		7090.9401	05	06	16	04	3607.96	— .081	3771.496
Melbourne		7090.0101	05	06	16	49	3568.98	— .092	3730.708
Melbourne U		7090.9401	05	06	17	40	3607.93	— .095	3771.451
Melbourne P		6091.0101	05	07	10	15	3555.95	— .065	3717.104
Melbourne Q		6091.0201	05	07	11	03	3505.32	— .050	3664.155
Melbourne P		6091.0101	05	07	11	32	3556.05	— .042	3717.232
Melbourne Q		6091.0201	05	07	12	09	3505.32	— .034	3664.171
Melbourne P		6091.0101	05	07	12	51	3556.11	— .029	3717.308
Melbourne Q		6091.0201	05	07	13	20	3505.34	— .029	3664.197
Melbourne P		6091.0101	05	07	13	50	3556.06	— .032	3717.252
Melbourne U		7090.9401	05	08	09	40	3607.88	— .078	3771.415
Flinders Island L		6491.9140	05	08	11	59	3801.85	— .052	3974.358
Melbourne U		7090.9401	05	08	13	37	3607.70	— .037	3771.268
Flinders Island L		6491.9140	05	08	16	25	3802.04	— .077	3974.532
Flinders Island L		6491.9140	05	09	08	42	3801.95	— .063	3974.452
Launceston J		6491.0171	05	09	10	35	3869.83	— .071	4045.457
Flinders Island L		6491.9140	05	09	11	57	3801.96	— .059	3974.466
Launceston J		6491.0171	05	09	13	31	3870.13	— .055	4045.786
Launceston J		6491.0171	05	09	15	04	3870.02	— .059	4045.667
Hobart K		6491.0160	05	09	16	22	4035.74	— .073	4219.015
Launceston J		6491.0171	05	09	17	30	3869.95	— .077	4045.576
Hobart K		6491.0160	05	09	18	45	4035.84	— .080	4219.112
Hobart L		6091.0160	05	11	09	50	4031.37	— .042	4214.474
Hobart M		6091.0260	05	11	10	48	3979.24	— .056	4159.927
Hobart L		6091.0160	05	11	11	38	4031.41	— .063	4214.495
Hobart M		6091.0260	05	11	12	27	3979.24	— .066	4159.917
Hobart L		6091.0160	05	11	13	10	4031.49	— .066	4214.576
Hobart M		6091.0260	05	11	13	54	3979.25	— .065	4159.928
Hobart L		6091.0160	05	11	14	41	4031.48	— .063	4214.568
Hobart K		6491.0160	05	12	09	42	4035.95	— .023	4219.284
King Island		6491.9143	05	12	12	07	3794.67	— .056	3966.843
Melbourne U		7090.9401	05	12	13	25	3607.84	— .059	3771.392

Station IGC Name	BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
		M	D	H	M			
Sydney V	6891.0105	05	14	12	30	3318.19	— .050	3468.412
Canberra M	6893.0104	05	14	14	36	3243.34	— .061	3390.110
Sydney V	6891.0105	05	14	16	28	3318.19	— .031	3468.431
Sydney U	7090.0105	05	14	17	10	3316.20	— .018	3466.362
Sydney V	6891.0105	05	14	18	05	3318.12	— .000	3468.389
Sydney N	6091.0105	05	15	10	20	3287.43	+ .008	3436.295
Sydney O	6091.0205	05	15	11	02	3230.92	— .009	3377.172
Sydney N	6091.0105	05	15	11	43	3287.43	— .026	3436.261
Sydney O	6091.0205	05	15	12	15	3230.88	— .040	3377.099
Sydney N	6091.0105	05	15	13	00	3287.46	— .055	3436.264
Sydney O	6091.0205	05	15	13	55	3230.92	— .064	3377.117
Sydney N	6091.0105	05	15	14	28	3287.34	— .066	3436.127
Sydney V	6891.0105	05	16	07	43	3317.94	+ .042	3468.242
Williamtown J	7090.9402	05	16	09	35	3206.21	+ .038	3351.373
Sydney V	6891.0105	05	16	10	45	3317.98	+ .010	3468.252
Williamtown J	7090.9402	05	16	12	33	3206.25	— .039	3351.338
Kempsey J	6491.9111	05	16	13	50	3057.37	— .063	3195.605
Williamtown J	7090.9402	05	16	15	05	3207.07	— .068	3352.167
Kempsey J	6491.9111	05	16	16	22	3057.73	— .042	3196.002
Kempsey J	6491.9111	05	18	08	12	3057.83	+ .019	3196.168
Grafton K	6491.9110	05	18	09	25	2964.93	+ .042	3099.039
Kempsey J	6491.9111	05	18	10	32	3057.99	+ .030	3196.346
Grafton K	6491.9110	05	18	11	40	2965.02	+ .010	3099.101
Brisbane J	6491.0147	05	18	13	04	2802.56	— .029	2929.183
Grafton K	6491.9110	05	18	15	04	2965.29	— .080	3099.294
Brisbane J	6491.0147	05	18	16	18	2802.89	— .072	2929.485
Brisbane D	6091.0147	05	19	10	44	2812.29	+ .042	2939.428
Brisbane N	6091.0247	05	19	11	23	2756.50	+ .033	2881.084
Brisbane D	6091.0147	05	19	11	58	2812.20	+ .018	2939.310
Brisbane N	6091.0247	05	19	12	25	2756.51	+ .002	2881.064
Brisbane D	6091.0147	05	19	12	53	2812.25	— .012	2939.332
Brisbane N	6091.0247	05	19	13	23	2756.70	— .029	2881.232
Brisbane D	6091.0147	05	19	13	53	2812.31	— .047	2939.360
Brisbane J	6491.0147	05	20	08	48	2803.03	— .011	2929.692
Maryborough A	5099.9948	05	20	10	50	2670.21	+ .041	2790.868
Brisbane J	6491.0147	05	20	12	08	2802.86	+ .018	2929.544
Maryborough A	5099.9948	05	20	13	40	2670.61	— .022	2791.223
Rockhampton K	6499.0149	05	20	15	23	2529.80	— .075	2643.932
Maryborough A	5099.9948	05	20	17	17	2670.74	— .085	2791.296
Rockhampton K	6499.0149	05	20	18	58	2529.92	— .025	2644.107
Rockhampton K	6499.0149	05	21	08	02	2529.94	— .067	2644.086
Mackay J	6491.0161	05	21	09	31	2395.87	— .005	2503.977
Rockhampton K	6499.0149	05	21	10	55	2530.01	+ .032	2644.258
Mackay J	6491.0161	05	21	12	46	2396.04	+ .045	2504.205
Townsville O	7090.0151	05	21	14	45	2290.70	— .013	2394.020
Mackay J	6491.0161	05	21	16	45	2396.22	— .094	2504.254
Townsville O	7090.0151	05	21	18	25	2290.90	— .091	2394.151
Townsville L	6091.0151	05	22	08	53	2293.93	— .066	2397.343
Townsville M	6091.0251	05	22	09	24	2235.98	— .045	2336.783
Townsville L	6091.0151	05	22	09	50	2293.90	— .028	2397.350
Townsville M	6091.0251	05	22	10	15	2235.94	— .010	2336.777
Townsville L	6091.0151	05	22	10	38	2293.87	+ .005	2397.352
Townsville M	6091.0251	05	22	11	00	2235.93	+ .019	2336.795
Townsville L	6091.0151	05	22	11	30	2293.88	+ .035	2397.392

IGC Name	Station	BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
			M	D	H	M			
Townsville O		7090.0151	05	23	08	32	2291.01	— .088	2394.269
Cairns A		5099.9952	05	23	10	37	2172.70	— .022	2270.659
Townsville O		7090.0151	05	23	12	21	2290.92	+ .029	2394.292
Cairns A		5099.9952	05	23	13	46	2172.77	+ .052	2270.806
Cairns A		5099.9952	05	25	08	33	2172.82	— .051	2270.755
Cooktown L		7090.1072	05	25	09	58	2117.00	— .064	2212.399
Cairns A		5099.9952	05	25	11	08	2172.84	— .051	2270.776
Cooktown L		7090.1072	05	25	12	34	2117.00	— .007	2212.456
Iron Range K		6600.0025	05	25	14	24	2025.07	+ .049	2116.431
Cooktown L		7090.1072	05	25	16	10	2116.97	+ .043	2212.475
Iron Range K		6600.0025	05	25	18	23	2025.16	+ .004	2116.480
Iron Range K		6600.0025	05	26	09	30	2025.17	— .033	2116.453
Iron Range J		6491.9073	05	26	09	58	2023.98	— .042	2115.201
Thursday Island K		6691.1001	05	26	11	44	1927.72	— .041	2014.596
Iron Range K		6600.0025	05	26	13	18	2025.20	— .009	2116.509
Thursday Island K		6691.1001	05	26	15	00	1927.66	+ .046	2014.620
Thursday Island K		6691.1001	05	27	07	32	1927.65	+ .082	2014.645
Port Moresby L		6791.0476	05	27	10	37	1897.30	— .029	1982.814
Thursday Island K		6691.1001	05	27	13	21	1927.75	— .027	2014.641
Port Moresby L		6791.0476	05	27	16	20	1897.20	+ .066	1982.805
Port Moresby L		6791.0476	05	29	11	25	1897.28	+ .005	1982.827
Lae K		6791.0177	05	29	13	23	1704.20	— .040	1780.990
Port Moresby L		6791.0476	05	29	15	08	1897.35	— .030	1982.865
Lae K		6791.0177	05	29	16	50	1704.17	+ .033	1781.031
Lae K		6791.0177	05	30	06	48	1704.07	+ .092	1780.986
Menyamya J		6791.9035	05	30	08	24	1532.66	+ .121	1601.869
Lae K		6791.0177	05	30	09	28	1704.09	+ .112	1781.027
Menyamya J		6791.9035	05	30	11	08	1532.68	+ .060	1601.829
Mount Hagen K		6791.0178	05	30	12	47	1385.69	+ .000	1448.156
Menyamya J		6791.9035	05	30	15	45	1532.79	— .043	1601.841
Mount Hagen K		6791.0178	05	30	17	08	1385.72	+ .000	1448.187
Mount Hagen K		6791.0178	05	31	08	44	1385.38	+ .117	1447.949
Laiagam J		6791.9029	05	31	10	28	1218.26	+ .118	1273.310
Mount Hagen K		6791.0178	05	31	11	34	1385.50	+ .079	1448.037
Laiagam J		6791.9029	05	31	12	56	1218.70	+ .021	1273.673
Mount Hagen K		6791.0178	05	31	14	08	1385.86	— .033	1448.301
Menyamya J		6791.9035	06	01	11	15	1532.82	+ .105	1602.020
Lae K		6791.0177	06	01	12	32	1704.35	+ .053	1781.239
Menyamya J		6791.9035	06	01	13	34	1532.94	+ .006	1602.047
Lae K		6791.0177	06	01	14	32	1704.33	— .040	1781.125
Lae K		6791.0177	06	02	08	50	1704.23	+ .065	1781.126
Port Moresby L		6791.0476	06	02	10	46	1897.27	+ .105	1982.917
Lae K		6791.0177	06	02	12	35	1704.16	+ .076	1781.064
Port Moresby L		6791.0476	06	02	14	26	1879.30	— .020	1982.823
Port Moresby L		6791.0476	06	04	11	54	1897.14	+ .092	1982.768
Port Moresby K		6791.0376	06	04	13	04	1854.53	+ .081	1938.225
Port Moresby R		7090.0276	06	04	13	08	1855.73	+ .078	1939.476
Port Moresby L		6791.0476	06	04	13	32	1897.22	+ .064	1982.824
Port Moresby Q		7090.0176	06	04	14	24	1905.90	+ .030	1991.861
Port Moresby R		7090.0276	06	04	14	56	1855.82	+ .006	1939.498

<i>IGC Name</i>	<i>Station</i>	<i>BMR No.</i>	<i>Date and Time</i> <i>(EST)</i>				<i>Reading</i> <i>(Sc. Div.)</i>	<i>E.T. Corr.</i> <i>(mGal)</i>	<i>Corr'd</i> <i>Equiv.</i> <i>(mGal)</i>
			<i>M</i>	<i>D</i>	<i>H</i>	<i>M</i>			
Port Moresby Q		7090.0176	06	04	15	35	1905.95	— .024	1991.860
Port Moresby R		7090.0276	06	04	16	04	1855.87	— .045	1939.500
Port Moresby Q		7090.0176	06	04	16	35	1906.04	— .064	1991.914
Port Moresby R		7090.0276	06	04	17	08	1855.89	— .082	1939.484
Port Moresby Q		7090.0176	06	04	17	40	1906.00	— .088	1991.848
Cooktown L		7090.1072	06	05	12	05	2117.04	+ .052	2212.557
Cooktown K		6491.1072	06	05	12	48	2110.67	+ .058	2205.905
Cooktown L		7090.1072	06	05	14	04	2117.01	+ .043	2212.517
Brisbane J		6491.0147	06	06	08	52	2803.15	— .072	2929.757
Grafton K		6491.9110	06	06	10	35	2965.82	— .040	3099.888
Brisbane J		6491.0147	06	06	11	50	2803.22	— .007	2929.895
Grafton K		6491.9110	06	06	13	28	2965.87	— .010	3099.970
Williamtown J		7090.9402	06	06	15	20	3208.38	— .049	3353.556
Sydney V		6891.0105	06	06	16	28	3319.94	— .071	3470.221
Williamtown J		7090.9402	06	06	17	32	3208.41	— .081	3353.555
Sydney V		6891.0105	06	06	18	38	3319.91	— .076	3470.185
Canberra L		6491.0304	06	11	14	21	3240.67	— .033	3387.346
Canberra K		6491.0204	06	11	14	45	3188.31	— .027	3332.586
Canberra L		6491.0304	06	11	15	08	3240.64	— .021	3387.326
Canberra K		6491.0204	06	11	15	31	3188.29	— .015	3332.578
Canberra L		6491.0304	06	11	15	50	3240.62	— .010	3387.316
Canberra K		6491.0204	06	11	16	10	3188.23	— .005	3332.525
Canberra L		6491.0304	06	11	16	27	3240.55	— .002	3387.251

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IGC Name	Station BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
		M	D	H	M			
Canberra L	6491.0304	05	04	10	52	3183.615	+ .027	3363.840
Canberra K	6491.0204	05	04	11	33	3131.925	+ .025	3309.112
Canberra L	6491.0304	05	04	12	04	3183.640	+ .016	3363.856
Canberra K	6491.0204	05	04	12	40	3131.960	+ .001	3309.125
Canberra L	6491.0304	05	04	13	02	3183.665	— .010	3363.856
Canberra K	6491.0204	05	04	13	28	3131.965	— .024	3309.105
Canberra L	6491.0304	05	04	14	00	3183.680	— .044	3363.838
Canberra M	6893.0104	05	05	12	20	3187.960	+ .005	3368.419
Albury L	6793.1136	05	05	14	06	3324.900	— .036	3513.392
Canberra M	6893.0104	05	05	15	18	3188.025	— .075	3368.407
Albury L	6793.1136	05	05	16	46	3324.910	— .097	3513.342
Albury L	6793.1136	05	06	08	18	3324.890	— .086	3513.332
Melbourne	7090.0101	05	06	10	08	3509.490	— .053	3708.897
Albury L	6793.1136	05	06	11	44	3324.835	— .012	3513.347
Melbourne	7090.0101	05	06	13	23	3509.495	— .024	3708.931
Melbourne M	6491.0101	05	06	13	29	3509.530	— .026	3708.966
Melbourne M	6491.0101	05	06	14	32	3509.535	— .046	3708.951
Melbourne	7090.0101	05	06	14	41	3509.520	— .059	3708.922
Melbourne U	7090.9401	05	06	16	00	3547.940	— .080	3749.604
Melbourne	7090.0101	05	06	16	51	3509.560	— .093	3708.931
Melbourne U	7090.9401	05	06	17	34	3547.935	— .095	3749.583
Melbourne P	6091.0101	05	07	10	14	3496.795	— .065	3695.436
Melbourne Q	6091.0201	05	07	10	52	3446.765	— .054	3642.452
Melbourne P	6091.0101	05	07	11	39	3496.790	— .041	3695.455
Melbourne Q	6091.0201	05	07	12	02	3446.750	— .034	3642.456
Melbourne P	6091.0101	05	07	12	46	3496.770	— .029	3695.446
Melbourne Q	6091.0201	05	07	13	13	3446.755	— .029	3642.466
Melbourne P	6091.0101	05	07	13	44	3496.785	— .031	3695.459
Melbourne U	7090.9401	05	08	09	59	3547.920	— .075	3749.587
Flinders Island L	6491.9140	05	08	12	10	3739.410	— .051	3952.501
Melbourne U	7090.9401	05	08	13	28	3547.875	— .037	3749.578
Flinders Island L	6491.9140	05	08	16	26	3739.410	— .077	3952.475
Flinders Island L	6491.9140	05	09	09	01	3739.405	— .066	3952.481
Launceston J	6491.0171	05	09	10	35	3806.585	— .071	4023.664
Flinders Island L	6491.9140	05	09	11	51	3739.430	— .060	3952.513
Launceston J	6491.0171	05	09	13	36	3806.605	— .055	4023.701
Launceston N	6850.0271	05	09	14	05	3806.355	— .055	4023.436
Launceston J	6491.0171	05	09	14	47	3806.600	— .057	4023.694
Hobart K	6491.0160	05	09	16	33	3970.220	— .074	4197.089
Launceston J	6491.0171	05	09	17	42	3806.635	— .078	4023.710
Hobart K	6491.0160	05	09	18	56	3970.210	— .079	4197.073
Hobart L	6091.0160	05	11	09	47	3965.755	— .041	4192.389
Hobart M	6091.0260	05	11	10	52	3914.235	— .057	4137.767
Hobart L	6091.0160	05	11	11	38	3965.805	— .063	4192.420
Hobart M	6091.0260	05	11	12	33	3914.275	— .066	4137.800
Hobart L	6091.0160	05	11	13	05	3965.800	— .066	4192.412
Hobart M	6091.0260	05	11	13	56	3914.285	— .065	4137.812
Hobart L	6091.0160	05	11	14	46	3965.805	— .063	4192.420

<i>IGC Name</i>	<i>Station</i> <i>BMR No.</i>	<i>Date and Time</i> <i>(EST)</i>				<i>Reading</i> <i>(Sc. Div.)</i>	<i>E.T. Corr.</i> <i>(mGal)</i>	<i>Corr'd</i> <i>Equiv.</i> <i>(mGal)</i>
		<i>M</i>	<i>D</i>	<i>H</i>	<i>M</i>			
Hobart K	6491.0160	05	12	09	51	3970.135	— .027	4197.046
King Island	6491.9143	05	12	12	08	3732.020	— .057	3944.664
Melbourne U	7090.9401	05	12	13	26	3547.890	— .059	3749.572
Canberra M	6893.0104	05	14	10	35	3187.980	— .008	3368.427
Sydney V	6891.0105	05	14	12	35	3261.825	— .051	3446.580
Canberra M	6893.0104	05	14	14	47	3188.020	— .060	3368.417
Sydney V	6891.0105	05	14	16	28	3261.815	— .031	3446.589
Sydney U	7090.0105	05	14	17	07	3259.880	— .019	3444.552
Sydney V	6891.0105	05	14	18	12	3261.785	+ .002	3446.590
Sydney N	6091.0105	05	15	10	20	3231.765	+ .009	3414.808
Sydney O	6091.0205	05	15	10	58	3176.080	— .007	3555.829
Sydney N	6091.0105	05	15	11	43	3231.795	— .027	3414.803
Sydney O	6091.0205	05	15	12	12	3176.110	— .038	3355.829
Sydney N	6091.0105	05	15	12	52	3231.815	— .053	3414.798
Sydney O	6091.0205	05	15	13	51	3176.140	— .064	3355.835
Sydney N	6091.0105	05	15	14	33	3231.835	— .066	3414.807
Sydney V	6891.0105	05	16	07	46	3261.750	+ .043	3446.594
Williamstown J	7090.9402	06	16	09	35	3151.710	+ .038	3330.072
Sydney V	6891.0105	05	16	10	51	3261.790	+ .006	3446.600
Williamstown J	7090.9402	05	16	12	32	3151.775	— .039	3330.064
Kempsey J	6491.9111	05	16	14	01	3004.580	— .066	3174.210
Williamstown J	7090.9402	05	16	15	07	3151.805	— .068	3330.067
Kempsey J	6491.9111	05	16	16	23	3004.605	— .042	3174.261
Kempsey J	6491.9111	05	18	08	06	3004.520	+ .018	3174.231
Grafton K	6491.9110	05	18	09	20	2912.855	+ .042	3077.236
Kempsey J	6491.9111	05	18	10	30	3004.505	+ .031	3174.228
Grafton K	6491.9110	05	18	11	43	2912.870	+ .009	3077.219
Brisbane J	6491.0147	05	18	13	10	2752.455	— .033	2907.430
Grafton K	6491.9110	05	18	15	07	2912.970	— .080	3077.235
Brisbane J	6491.0147	05	18	16	23	2752.515	— .070	2907.457
Brisbane D	6091.0147	05	19	10	42	2761.735	+ .042	2917.324
Brisbane N	6091.0247	05	19	11	25	2706.715	+ .032	2859.101
Brisbane D	6091.0147	05	19	11	58	2761.755	+ .018	2917.321
Brisbane N	6091.0247	05	19	12	27	2706.735	+ .001	2859.091
Brisbane D	6091.0147	05	19	12	54	2761.775	— .013	2917.311
Brisbane N	6091.0247	05	19	13	24	2706.770	— .030	2859.097
Brisbane D	6091.0147	05	19	13	54	2761.815	— .048	2917.319
Brisbane J	6491.0147	05	20	08	58	2752.520	— .006	2907.526
Maryborough A	5099.9948	05	20	10	56	2621.875	+ .041	2769.360
Brisbane J	6491.0147	05	20	12	09	2752.515	+ .018	2907.545
Maryborough A	5099.9948	05	20	13	43	2621.930	— .024	2769.354
Rockhampton K	6499.0149	05	20	15	25	2482.770	— .075	2622.113
Maryborough A	5099.9948	05	20	17	23	2622.000	— .084	2769.368
Rockhampton K	6499.0149	05	20	19	18	2482.710	— .006	2622.118
Rockhampton L	7090.0149	05	20	19	30	2482.885	+ .007	2622.317
Rockhampton K	6499.0149	05	21	08	04	2482.765	— .066	2622.117
Mackay J	6491.0161	05	21	09	33	2350.225	— .004	2482.023
Rockhampton K	6499.0149	05	21	10	54	2482.675	+ .032	2622.119
Mackay J	6491.0161	05	21	12	33	2350.175	+ .049	2482.024
Townsville O	7090.0151	05	21	14	48	2246.015	— .015	2371.834
Mackay J	6491.0161	05	21	16	43	2350.205	— .093	2481.913
Townsville P	7090.0251	05	21	18	12	2246.195	— .095	2371.944
Townsville O	7090.0151	05	21	18	18	2246.100	— .093	2371.845

IGC Name	Station	BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
			M	D	H	M			
Townsville L		6091.0151	05	22	08	47	2249.050	— .069	2374.988
Townsville M		6091.0251	05	22	09	27	2191.735	— .043	2314.421
Townsville L		6091.0151	05	22	09	50	2248.995	— .027	2374.972
Townsville M		6091.0251	05	22	10	12	2191.720	— .013	2314.435
Townsville L		6091.0151	05	22	10	37	2248.960	+ .004	2374.966
Townsville M		6091.0251	05	22	10	58	2191.690	+ .017	2314.434
Townsville L		6091.0151	05	22	11	32	2248.920	+ .036	2374.956
Townsville A		5099.9951	05	22	12	25	2245.970	+ .050	2371.851
Townsville O		7090.0151	05	22	12	49	2245.945	+ .051	2371.826
Townsville A		5099.9951	05	22	13	04	2245.975	+ .050	2371.856
Townsville O		7090.0151	05	23	08	39	2246.095	— .086	2371.847
Cairns A		5099.9952	05	23	10	41	2129.250	— .020	2248.393
Townsville O		7090.0150	05	23	12	22	2246.000	+ .029	2371.862
Cairns A		5099.9952	05	23	13	45	2129.205	+ .052	2248.417
Cairns A		5099.9952	05	25	08	33	2129.260	— .051	2248.372
Cooktown L		7090.1072	05	25	09	59	2074.080	— .064	2190.033
Cairns A		5099.9952	05	25	11	14	2129.270	— .048	2248.386
Cooktown L		7090.1072	05	25	12	37	2074.030	— .006	2190.038
Iron Range K		6600.0025	05	25	14	14	1983.140	+ .046	2094.027
Cooktown L		7090.1072	05	25	16	07	2073.985	+ .044	2190.041
Iron Range K		6600.0025	05	25	18	02	1983.155	+ .014	2094.011
Iron Range K		6600.0025	05	26	09	41	1983.185	— .037	2093.992
Thursday Island K		6691.1001	05	26	11	53	1886.745	— .039	1992.074
Iron Range K		6600.0025	05	26	13	24	1983.140	— .006	2093.975
Thursday Island K		6691.1001	05	26	15	22	1886.650	+ .054	1992.067
Thursday Island J		6691.9001	05	26	15	28	1886.655	+ .056	1992.074
Thursday Island K		6691.1001	05	27	07	22	1886.570	+ .087	1992.015
Port Moresby L		6791.0476	05	27	10	38	1856.660	— .030	1960.294
Thursday Island K		6691.1001	05	27	13	22	1886.725	— .026	1992.066
Port Moresby L		6791.0476	05	27	16	15	1856.545	+ .065	1960.267
Port Moresby Q		7090.0176	05	28	10	41	1865.125	+ .001	1969.269
Port Moresby L		6491.0476	05	28	11	56	1856.620	— .032	1960.250
Port Moresby L		6791.0476	05	29	11	33	1856.560	+ .000	1960.218
Lae K		6791.0177	05	29	13	28	1665.600	— .041	1758.419
Port Moresby L		6791.0476	05	29	15	13	1856.590	— .028	1960.222
Lae K		6791.0177	05	29	16	52	1665.535	+ .035	1758.427
Lae K		6791.0177	05	30	06	56	1665.435	+ .095	1758.381
Menyamya J		6791.9035	05	30	08	31	1495.805	+ .121	1579.220
Lae K		6791.0177	05	30	09	29	1665.430	+ .111	1758.392
Menyamya J		6791.9035	05	30	11	10	1495.845	+ .058	1579.200
Mount Hagen K		6791.0178	05	30	12	56	1350.440	— .009	1425.566
Menyamya J		6791.9035	05	30	15	51	1495.940	— .040	1579.202
Mount Hagen K		6791.0178	05	30	17	11	1350.425	+ .002	1425.561
Mount Hagen K		6791.0178	05	31	08	49	1350.310	+ .118	1425.556
Laiagam J		6791.9029	05	31	10	38	1184.995	+ .113	1250.984
Mount Hagen K		6791.0178	05	31	11	36	1350.345	+ .078	1425.553
Laiagam J		6791.9029	05	31	12	57	1185.105	+ .020	1251.007
Mount Hagen K		6791.0178	05	31	14	16	1350.475	— .036	1425.576
Menyamya J		6791.9035	06	01	11	35	1495.930	+ .095	1579.326
Lae K		6791.0177	06	01	12	38	1665.590	+ .049	1758.499
Menyamya J		6791.9035	06	01	13	41	1496.030	+ .000	1579.337
Lae K		6791.0177	06	01	14	39	1665.675	— .044	1758.496

<i>IGC Name</i>	<i>Station BMR No.</i>	<i>Date and Time (EST)</i>				<i>Reading (Sc. Div.)</i>	<i>E.T. Corr. (mGal)</i>	<i>Corr'd Equiv. (mGal)</i>
		<i>M</i>	<i>D</i>	<i>H</i>	<i>M</i>			
Lae K	6791.0177	06	02	08	55	1665.535	+ .069	1758.461
Port Moresby L	6791.0476	06	02	10	45	1856.540	+ .105	1960.302
Lae K	6791.0177	06	02	12	38	1665.540	+ .074	1758.471
Port Moresby L	6791.0476	06	02	14	26	1856.645	— .020	1960.288
Port Moresby Q	7090.0176	06	03	14	41	1865.125	— .010	1969.258
Port Moresby C	7090.0376	06	03	15	12	1860.700	— .032	1964.561
Port Moresby D	7090.0576	06	03	15	30	1860.625	— .045	1964.468
Port Moresby Q	7090.0176	06	03	15	49	1865.140	— .059	1969.225
Port Moresby S	7090.0476	06	03	17	30	1856.835	— .090	1960.419
Port Moresby L	6791.0476	06	03	17	40	1856.645	— .089	1960.219
Port Moresby L	6791.0476	06	04	11	53	1856.440	+ .091	1960.182
Port Moresby K	6791.0376	06	04	12	28	1814.230	+ .090	1915.580
Port Moresby R	7090.0276	06	04	13	02	1815.440	+ .081	1916.850
Port Moresby L	6791.0476	06	04	13	40	1856.485	+ .060	1960.199
Port Moresby Q	7090.0176	06	04	14	28	1865.040	+ .028	1969.207
Port Moresby R	7090.0276	06	04	15	01	1815.500	+ .003	1916.835
Port Moresby Q	7090.0176	06	04	15	35	1865.080	— .023	1969.198
Port Moresby R	7090.0276	06	04	16	04	1815.560	— .045	1916.850
Port Moresby Q	7090.0176	06	04	16	38	1865.125	— .066	1969.202
Port Moresby R	7090.0276	06	04	17	11	1815.595	— .082	1916.850
Port Moresby Q	7090.0176	06	04	17	43	1865.145	— .088	1969.201
Cooktown L	7090.1072	06	05	12	01	2073.840	+ .051	2189.894
Cooktown K	6491.1072	06	05	12	55	2067.535	+ .058	2183.327
Cooktown L	7090.1072	06	05	14	06	2073.860	+ .041	2189.906
Brisbane J	6491.0147	06	06	08	49	2752.370	— .073	2907.301
Grafton K	6491.9110	06	06	10	29	2912.795	— .042	3077.088
Brisbane J	6491.0147	06	06	11	50	2752.300	— .007	2907.292
Grafton K	6491.9110	06	06	13	24	2912.765	— .010	3077.088
Williamtown J	7090.9402	06	06	15	21	3151.700	— .050	3329.973
Sydney V	6891.0105	06	06	16	25	3261.735	— .070	3446.465
Williamtown J	7090.9402	06	06	17	32	3151.710	— .081	3329.953
Sydney V	6891.0105	06	06	18	39	3261.730	— .076	3446.454
Canberra L	6491.0304	06	11	14	27	3183.540	— .032	3363.702
Canberra K	6491.0204	06	11	14	46	3131.850	— .027	3308.980
Canberra L	6491.0304	06	11	15	10	3183.550	— .020	3363.725
Canberra K	6491.0204	06	11	15	29	3131.825	— .015	3308.966
Canberra L	6491.0304	06	11	15	47	3183.525	— .011	3363.707
Canberra K	6491.0204	06	11	16	08	3131.825	— .005	3308.976
Canberra L	6491.0304	06	11	16	27	3183.525	— .001	3363.717

APPENDIX 4E G20 1971

IGC Name	Station BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
		M	D	H	M			
Canberra M	6893.0104	04	18	12	40	3122.63	— .054	3272.483
Sydney V	6891.0105	04	18	14	17	3197.09	— .061	3350.659
Sydney A	5099.9905	04	18	14	44	3184.695	— .059	3337.646
Sydney	7199.9999	04	18	14	50	3184.365	— .059	3337.299
Sydney A	5099.9905	04	18	14	58	3184.70	— .058	3337.652
Sydney	7199.9999	04	18	15	02	3184.365	— .058	3337.300
Sydney V	6891.0105	04	18	16	09	3197.05	— .050	3350.628
Brisbane J	6491.0147	04	18	20	24	2683.465	— .015	2811.534
Brisbane J	6491.0147	04	19	06	15	2683.365	+ .111	2811.555
Rockhampton K	6499.0149	04	19	08	45	2411.45	+ .084	2526.249
Mackay J	6491.0161	04	19	10	04	2277.955	+ .048	2386.212
Townsville O	7090.0151	04	19	11	36	2173.02	+ .003	2276.136
Cairns A	5099.9952	04	19	12	55	2055.325	— .029	2152.713
Cairns A	5099.9952	04	20	07	40	2055.225	+ .125	2152.762
Port Moresby L	6791.0476	04	20	11	42	1780.635	+ .038	1864.875
Lae K	6791.0177	04	20	13	40	1588.12	— .034	1663.079
Lae K	6791.0177	04	21	08	25	1587.99	+ .145	1663.122
Mount Hagen K	6791.0178	04	21	13	05	1270.38	+ .022	1330.259
Lae K	6791.0177	04	21	16	48	1588.22	— .047	1663.171
Lae K	6791.0177	04	22	08	22	1588.025	+ .134	1663.148
Port Moresby L	6791.0476	04	22	11	59	1780.635	+ .114	1864.951
Cairns A	5099.9952	04	22	16	53	2055.535	— .083	2152.879
Cairns A	5099.9952	04	23	15	11	2055.48	+ .056	2152.849
Townsville O	7090.0151	04	23	17	18	2173.26	— .094	2276.290
Mackay J	6491.0161	04	23	18	50	2278.17	— .018	2386.371
Rockhampton K	6499.0149	04	23	20	05	2411.59	+ .072	2526.384
Brisbane J	6491.0147	04	23	22	13	2683.52	+ .172	2811.779
Brisbane J	6491.0147	04	24	06	01	2683.76	— .093	2811.766
Sydney V	6891.0105	04	24	08	51	3197.245	+ .000	3350.882
Canberra M	6893.0104	04	24	10	56	3122.74	+ .042	3272.694
Canberra M	6893.0104	04	29	09	46	3122.77	— .064	3272.620
Albury L	6793.1136	04	29	11	16	3260.845	— .064	3417.601
Melbourne M	6491.0101	04	29	13	03	3447.045	— .055	3613.151
Hobart K	6491.0160	04	29	15	15	3911.43	— .066	4101.022
Hobart L	6091.0160	04	29	16	19	3906.965	— .072	4096.323
Hobart L	6091.0160	04	30	11	58	3906.925	— .067	4096.286
Hobart K	6491.0160	04	30	13	16	3911.34	— .069	4100.924
Launceston N	6850.0271	04	30	14	25	3746.14	— .064	3927.335
Melbourne M	6491.0101	04	30	15	45	3446.975	— .052	3613.081
Albury L	6793.1136	04	30	17	24	3260.745	— .050	3417.510
Canberra M	6893.0104	04	30	18	39	3122.67	— .055	3272.524

APPENDIX 4F G101 1971

<i>IGC Name</i>	<i>Station</i> <i>BMR No.</i>	<i>Date and Time</i> <i>(EST)</i>				<i>Reading</i> <i>(Sc. Div.)</i>	<i>E.T. Corr.</i> <i>(mGal)</i>	<i>Corr'd</i> <i>Equiv.</i> <i>(mGal)</i>
		<i>M</i>	<i>D</i>	<i>H</i>	<i>M</i>			
Canberra M	6893.0104	04	18	12	45	3244.23	— .055	3391.047
Sydney V	6891.0105	04	18	14	12	3319.02	— .061	3469.269
Sydney	7199.9999	04	18	15	08	3306.20	— .057	3455.863
Sydney A	5099.9905	04	18	15	15	3306.53	— .057	3456.208
Sydney	7199.9999	04	18	15	21	3306.21	— .056	3455.875
Sydney A	5099.9905	04	18	15	27	3306.53	— .055	3456.210
Sydney V	6891.0105	04	18	16	08	3319.01	— .050	3469.269
Brisbane J	6491.0147	04	18	20	25	2802.95	— .015	2929.605
Brisbane J	6491.0147	04	19	06	18	2802.91	+ .111	2929.689
Rockhampton K	6499.0149	04	19	08	46	2529.98	+ .084	2644.279
Mackay J	6491.0161	04	19	10	03	2396.06	+ .048	2504.229
Townsville O	7090.0151	04	19	11	33	2290.78	+ .004	2394.120
Cairns A	5099.9952	04	19	12	58	2172.69	— .030	2270.641
Cairns A	5099.9952	04	20	07	43	2172.56	+ .126	2270.661
Port Moresby L	6791.0476	04	20	11	42	1897.07	+ .038	1982.641
Lae K	6791.0177	04	20	13	40	1704.04	— .034	1780.828
Lae K	6791.0177	04	21	08	06	1703.90	+ .138	1780.854
Mount Hagen K	6791.0178	04	21	13	08	1385.73	+ .019	1448.217
Lae K	6791.0177	04	21	16	56	1704.23	— .044	1781.017
Lae K	6791.0177	04	22	08	21	1704.07	+ .134	1781.028
Port Moresby L	6791.0476	04	22	11	58	1897.11	+ .115	1982.760
Cairns A	5099.9952	04	22	16	51	2172.86	— .084	2270.764
Cairns A	5099.9952	04	23	15	13	2172.83	— .056	2270.761
Townsville O	7090.0151	04	23	17	18	2290.91	— .094	2394.158
Mackay J	6491.0161	04	23	18	50	2396.05	— .018	2504.152
Rockhampton K	6499.0149	04	23	20	04	2529.90	+ .072	2644.183
Brisbane J	6491.0147	04	23	22	15	2802.55	+ .173	2929.374
Brisbane J	6491.0147	04	24	06	06	2802.82	— .092	2929.392
Sydney V	6891.0105	04	24	08	45	3319.15	— .005	3469.461
Canberra M	6893.0104	04	24	10	58	3244.28	+ .042	3391.197
Canberra M	6893.0104	04	29	09	47	3244.49	— .064	3391.310
Albury L	6793.1136	04	29	11	14	3383.36	— .064	3536.566
Melbourne M	6491.0101	04	29	13	03	3570.14	— .055	3731.958
Hobart K	6491.0160	04	29	15	15	4037.08	— .066	4220.423
Hobart L	6091.0160	04	29	16	19	4032.66	— .072	4215.794
Hobart L	6091.0160	04	30	11	58	4032.70	— .067	4215.840
Hobart K	6491.0160	04	30	13	16	4037.15	— .069	4220.494
Launceston N	6850.0271	04	30	14	27	3871.00	— .064	4046.688
Melbourne M	6491.0101	04	30	15	45	3570.25	— .052	3732.077
Albury L	6793.1136	04	30	17	24	3383.20	— .050	3536.412
Canberra M	6893.0104	04	30	18	42	3244.26	— .055	3391.079

APPENDIX 4G G132 1971

IGC Name	Station	BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
			M	D	H	M			
Canberra L		6491.0304	01	29	09	35	3183.315	— .016	3363.480
Canberra K		6491.0204	01	29	09	50	3131.615	— .003	3308.755
Canberra L		6491.0304	01	29	10	00	3183.312	+ .005	3363.498
Canberra K		6491.0204	01	29	10	15	3131.613	+ .022	3308.778
Canberra L		6491.0304	01	29	10	30	3183.310	+ .033	3363.523
Canberra K		6491.0204	01	29	10	42	3131.600	+ .045	3308.788
Canberra L		6491.0304	01	29	10	55	3183.340	+ .057	3363.579
Canberra M		6893.0104	04	18	12	47	3187.035	— .055	3367.379
Sydney V		6892.0105	04	18	14	12	3260.840	— .061	3445.527
Sydney A		5099.9905	04	18	15	10	3248.585	— .057	3432.553
Sydney		7199.9999	04	18	15	15	3248.250	— .057	3432.198
Sydney A		5099.9905	04	18	15	20	3248.585	— .056	3432.554
Sydney		7199.9999	04	18	15	26	3248.250	— .056	3432.199
Sydney V		6891.0105	04	18	16	04	3260.810	— .051	3445.505
Brisbane J		6491.0147	04	18	20	14	2751.435	— .015	2906.369
Brisbane J		6491.0147	04	19	06	24	2751.315	+ .101	2906.358
Rockhampton K		6499.0149	04	19	08	41	2481.515	+ .085	2620.946
Mackay J		6491.0161	04	19	09	59	2349.060	+ .050	2480.846
Townsville O		7090.0151	04	19	11	33	2244.96	+ .004	2370.737
Cairns A		5099.9952	04	19	13	00	2128.210	— .031	2247.282
Cairns A		5099.9952	04	20	07	33	2128.065	+ .124	2247.284
Port Moresby L		6791.0476	04	20	11	37	1855.550	+ .042	1959.193
Lae K		6791.0177	04	20	13	34	1664.605	— .031	1757.378
Lae K		6791.0177	04	21	08	21	1664.420	+ .144	1757.358
Mount Hagen K		6791.0178	04	21	13	15	1349.490	+ .013	1424.585
Lae K		6791.0177	04	21	16	56	1664.605	— .044	1757.365
Lae K		6791.0177	04	22	08	16	1664.410	+ .127	1757.330
Port Moresby L		6791.0476	04	22	11	55	1855.455	+ .117	1959.168
Cairns A		5099.9952	04	22	16	49	2128.200	— .083	2247.220
Cairns A		5099.9952	04	23	15	06	2128.145	— .052	2247.193
Townsville O		7090.0151	04	23	17	13	2244.955	— .096	2370.632
Mackay J		6491.0161	04	23	18	46	2349.020	— .021	2480.732
Rockhampton K		6499.0149	04	23	20	00	2481.450	+ .068	2620.860
Brisbane J		6491.0147	04	23	22	08	2751.175	+ .171	2906.280
Brisbane J		6491.0147	04	24	06	07	2751.425	— .092	2906.282
Sydney V		6891.0105	04	24	08	44	3260.710	— .005	3445.445
Canberra M		6893.0104	04	24	10	46	3186.860	+ .041	3367.290
Canberra M		6893.0104	04	29	09	38	3186.905	— .063	3367.234
Albury L		6793.1136	04	29	11	11	3323.850	— .064	3512.252
Melbourne M		6491.0101	04	29	12	58	3508.465	— .055	3707.809
Hobart K		6491.0160	04	29	15	10	3969.095	— .065	4195.905
Hobart L		6091.0160	04	29	16	15	3964.720	— .072	4191.261
Hobart L		6091.0160	04	30	11	54	3964.700	— .067	4191.245
Hobart K		6491.0160	04	30	13	11	3969.060	— .069	4195.864
Launceston N		6850.0271	04	30	14	21	3805.255	— .064	4022.261
Melbourne M		6491.0101	04	30	15	39	3508.450	— .052	3707.796
Albury L		6793.1136	04	30	17	20	3323.765	— .050	3512.176
Canberra M		6893.0104	04	30	18	35	3186.875	— .054	3367.211

<i>IGC Name</i>	<i>Station BMR No.</i>	<i>Date and Time (EST)</i>				<i>Reading (Sc. Div.)</i>	<i>E.T. Corr. (mGal)</i>	<i>Corr'd Equiv. (mGal)</i>
		<i>M</i>	<i>D</i>	<i>H</i>	<i>M</i>			
Canberra L	6491.0304	12	07	11	02	3149.740	+.013	3327.961
Canberra K	6491.0204	12	07	11	15	3098.040	+.020	3273.231
Canberra L	6491.0304	12	07	11	24	3149.750	+.025	3327.984
Canberra K	6491.0204	12	07	11	36	3098.040	+.032	3273.243
Canberra L	6491.0304	12	07	11	46	3149.740	+.037	3327.985
Canberra K	6491.0204	12	07	12	00	3098.025	+.045	3273.240
Canberra L	6491.0304	12	07	12	09	3149.725	+.050	3327.982

APPENDIX 4H G252 1971

IGC Name	Station	BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
			M	D	H	M			
Canberra M		6893.0104	04	18	12	38	3134.465	— .054	3296.251
Sydney V		6891.0105	04	18	14	17	3208.87	— .061	3374.499
Sydney		7199.9999	04	18	14	45	3196.16	— .059	3361.133
Sydney A		5099.9905	04	18	14	51	3196.48	— .059	3361.470
Sydney		7199.9999	04	18	14	57	3196.175	— .058	3361.150
Sydney A		5099.9905	04	18	15	01	3196.48	— .058	3361.471
Sydney V		6891.0105	04	18	16	03	3208.81	— .051	3374.446
Brisbane J		6491.0147	04	18	20	17	2696.00	— .014	2835.151
Rockhampton K		6499.0149	04	19	08	41	2424.54	+ .085	2549.795
Mackay J		6491.0161	04	19	10	00	2291.35	+ .050	2409.716
Townsville O		7090.1051	04	19	11	27	2186.60	+ .007	2299.537
Cairns A		5099.9952	04	19	12	54	2069.26	— .029	2176.130
Cairns A		5099.9952	04	20	07	35	2069.13	+ .125	2176.147
Port Moresby L		6791.0476	04	20	11	36	1795.37	+ .043	1888.227
Lae K		6791.0177	04	20	13	33	1603.47	— .031	1686.378
Lae K		6791.0177	04	21	08	00	1603.34	+ .135	1686.407
Mount Hagen K		6791.0178	04	21	13	00	1286.92	+ .025	1353.583
Lae K		6791.0177	04	21	16	50	1603.76	— .047	1686.666
Lae K		6791.0177	04	22	08	15	1603.60	+ .127	1686.672
Port Moresby L		6791.0476	04	22	11	54	1795.63	+ .117	1888.574
Cairns A		5099.9952	04	22	16	46	2069.86	— .085	2176.705
Cairns A		5099.9952	04	23	15	07	2069.80	— .053	2176.674
Townsville O		7090.0151	04	23	17	14	2187.23	— .095	2300.098
Mackay J		6491.0161	04	23	18	46	2291.95	— .021	2410.276
Rockhampton K		6499.0149	04	23	20	00	2425.11	+ .068	2550.377
Brisbane J		6491.0147	04	23	22	08	2696.49	+ .172	2835.852
Brisbane J		6491.0147	04	24	06	02	2696.76	— .093	2835.871
Sydney V		6891.0105	04	24	08	39	3209.32	— .009	3375.024
Canberra M		6983.0104	04	24	10	50	3134.88	+ .042	3296.783
Canberra M		6893.0104	04	29	09	40	3135.21	— .063	3297.025
Albury L		6793.1136	04	29	11	10	3273.10	— .064	3442.050
Melbourne M		6491.0101	04	29	12	58	3459.06	— .055	3637.647
Hobart K		6491.0160	04	29	15	10	3923.08	— .065	4125.736
Hobart L		6091.0160	04	29	16	15	3918.66	— .072	4121.080
Hobart L		6091.0160	04	30	11	52	3918.70	— .067	4121.127
Hobart K		6491.0160	04	30	13	11	3923.12	— .069	4125.774
Launceston N		6850.0271	04	30	14	23	3758.04	— .064	3952.125
Melbourne M		6491.0101	04	30	15	39	3459.11	— .052	3637.703
Albury L		6793.1136	04	30	17	20	3273.20	— .050	3442.169
Canberra M		6893.0104	04	30	18	34	3135.28	— .056	3297.106

APPENDIX 4I G104 1972

IGC Name	Station	BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
			M	D	H	M			
Canberra L		6491.0304	06	16	14	28	2999.64	— .010	3158.221
Canberra K		6491.0204	06	16	14	40	2947.68	— .007	3103.450
Canberra L		6491.0304	06	16	14	53	2999.62	— .004	3158.205
Canberra K		6491.0204	06	16	15	06	2947.66	— .001	3103.435
Canberra L		6491.0304	06	16	15	16	2999.615	— .000	3158.204
Canberra K		6491.0204	06	16	15	29	2947.65	+ .001	3103.426
Canberra L		6491.0304	06	16	15	43	2999.60	+ .002	3158.190
Canberra	laboratory		12	12	10	00	3000.75	— .021	3159.380
Canberra M		6893.0104	12	13	09	00	*3002.60	— .005	*3161.346
Albury L		6793.1136	12	13	10	13	*3141.03	— .011	*3307.284
Melbourne V		7213.0101	12	13	11	45	*3311.98	— .009	*3487.540
Launceston N		6850.0271	12	13	14	35	3624.74	+ .023	3817.411
Hobart K		6491.0160	12	13	15	23	3789.35	+ .027	3991.034
Hobart K		6491.0160	12	14	10	13	3789.34	+ .003	3990.999
Launceston N		6850.0271	12	14	11	00	3624.70	— .004	3817.342
Melbourne V		7213.0101	12	14	12	23	3311.68	— .011	3487.221
Melbourne V		7213.0101	12	14	14	58	3311.70	— .003	3487.250
Albury L		6793.1136	12	14	16	20	3141.05	+ .015	3307.331
Canberra M		6893.0104	12	14	17	23	3003.48	+ .025	3162.304
Canberra	laboratory		12	14	18	40	3000.73	+ .021	3159.401
Canberra M		6893.0104	12	16	16	00	3003.58	— .058	3162.326
Sydney V		6891.0105	12	16	17	33	3077.73	— .040	3240.517
Sydney V		6891.0105	12	16	18	50	3077.70	— .021	3240.504
Brisbane R		7213.0147	12	16	20	36	2566.35	+ .018	2701.586
Brisbane R		7213.0147	12	18	06	50	2566.29	+ .077	2701.582
Rockhampton K		6499.0140	12	18	08	34	2295.05	+ .162	2415.903
Mackay J		6491.0161	12	18	09	50	2162.00	+ .194	2275.797
Townsville O		7090.0151	12	18	11	05	2057.42	+ .189	2165.651
Cairns A		5099.9952	12	18	12	10	1940.27	+ .149	2042.240
Cairns A		5099.9952	12	18	16	55	1940.50	— .093	2042.241
Port Moresby L		6791.0476	12	18	19	15	1666.74	— .019	1754.060
Port Moresby L		6791.0476	12	19	06	30	1666.80	— .044	1754.098
Lae K		6791.0177	12	19	08	45	1474.94	+ .096	1552.263
Mount Hagen K		6791.0178	12	19	10	25	1158.59	+ .166	1219.369
Mount Hagen K		6791.0178	12	19	14	38	1158.74	+ .029	1219.390
Lae K		6791.0177	12	19	17	08	1475.13	— .103	1552.264
Port Moresby L		6791.0476	12	19	18	38	1666.82	— .089	1754.074
Port Moresby L		6791.0476	12	20	13	43	1666.60	+ .141	1754.072
Cairns A		5099.9952	12	20	16	08	1940.40	— .008	2042.220
Cairns A		5099.9952	12	21	09	23	1940.36	+ .048	2042.234
Townsville O		7090.0151	12	21	10	56	2057.45	+ .165	2165.658
Mackay J		6491.0161	12	21	12	28	2162.00	+ .216	2275.819
Rockhampton K		6499.0149	12	21	13	43	2294.99	+ .189	2415.867
Brisbane R		7213.0147	12	21	15	03	2566.30	+ .103	2701.618
Sydney V		6891.0105	12	21	16	46	3077.73	— .005	3240.552
Canberra M		6893.0104	12	21	17	54	3003.61	— .060	3162.356
Canberra M		6893.0104	12	22	08	25	3003.59	— .032	3162.363
Albury L		6793.1136	12	22	10	26	3141.03	+ .079	3307.374
Melbourne V		7213.0101	12	22	11	52	3311.60	+ .145	3487.293

* It is thought that the meter was off heat intermittently during this period.

APPENDIX 4J G20A 1973

IGC Name	Station	BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
			M	D	H	M			
Canberra L		6491.0304	04	26	13	58	3022.57	— .059	3168.794
Canberra K		6491.0204	04	26	14	18	2970.43	— .059	3114.014
Canberra L		6491.0304	04	26	14	38	3022.57	— .058	3168.795
Canberra K		6491.0204	04	26	14	58	2970.44	— .056	3114.028
Canberra L		6491.0304	04	26	15	15	3022.56	— .054	3168.788
Canberra K		6491.0204	04	26	15	35	2970.43	— .051	3114.022
Canberra L		6491.0304	04	26	15	53	3022.55	— .048	3168.784
Canberra P		7390.0104	05	03	08	21	3027.55	— .083	3174.002
Melbourne M		6491.0101	05	03	12	04	3351.01	— .012	3514.017
Melbourne W		7390.0101	05	03	12	48	3351.05	— .013	3514.058
Canberra M		6893.0104	05	03	15	25	3027.05	— .075	3173.485
Canberra P		7390.0104	05	03	15	58	3027.65	— .092	3174.098
Melbourne M		6491.0101	05	03	19	04	3351.29	— .079	3514.245
Melbourne W		7390.0101	05	03	19	58	3351.30	— .037	3514.297
Melbourne M		6491.0101	05	03	20	11	3351.25	— .026	3514.256
Melbourne W		7390.0101	05	03	20	14	3351.29	— .022	3514.302
Melbourne M		6491.0101	05	04	07	24	3351.32	— .099	3514.256
Melbourne W		7390.0101	05	04	08	21	3351.38	— .104	3514.314
Flinders Island L		6491.9140	05	04	10	21	3582.94	— .070	3757.815
Flinders Island K		7390.1140	05	04	11	02	3582.695	— .056	3757.572
Melbourne M		6491.0101	05	04	13	25	3351.28	— .025	3514.288
Melbourne W		7390.0101	05	04	14	03	3351.33	— .033	3514.333
Flinders Island L		6491.9140	05	04	16	35	3582.98	— .098	3757.829
Flinders Island K		7390.1140	05	04	16	53	3582.77	— .102	3757.605
Flinders Island L		6491.9140	05	04	17	05	3582.99	— .105	3757.833
Flinders Island K		7390.1140	05	04	17	18	3582.76	— .106	3757.590
Flinders Island L		6491.9140	05	05	07	50	3582.96	— .085	3757.821
Flinders Island K		7390.1140	05	05	08	28	3582.76	— .095	3757.601
Hobart K		6491.0160	05	05	10	23	3815.48	— .089	4002.377
Hobart P		7390.0160	05	05	11	01	3815.79	— .080	4002.712
Flinders Island L		6491.9140	05	05	13	45	3582.92	— .047	3757.817
Flinders Island K		7390.1140	05	05	13	58	3582.70	— .047	3757.586
Hobart K		6491.0160	05	05	16	16	3815.45	— .087	4002.348
Hobart P		7390.0160	05	05	16	33	3815.79	— .091	4002.701
Hobart K		6491.0160	05	05	16	50	3815.47	— .094	4002.362
Hobart P		7390.0160	05	05	17	02	3815.79	— .097	4002.695
Hobart K		6491.0160	05	06	15	35	3815.44	— .067	4002.357
Hobart Q		7390.0260	05	06	15	50	3814.25	— .069	4001.103
Hobart K		6491.0160	05	06	16	10	3815.46	— .072	4002.373
Hobart Q		7390.0260	05	06	16	31	3814.24	— .076	4001.086
Hobart K		6491.0160	05	06	16	44	3815.46	— .079	4002.366
Hobart K		6491.0160	05	07	07	50	3815.39	— .015	4002.357
Hobart P		7390.0160	05	07	08	05	3815.72	— .025	4002.694
Flinders Island L		6491.9140	05	07	11	00	3582.92	— .080	3757.784
Flinders Island K		7390.1140	05	07	11	10	3582.69	— .080	3757.542
Hobart K		6491.0160	05	07	13	24	3815.42	— .073	4002.330
Hobart P		7390.0160	05	07	13	47	3815.72	— .070	4002.649
Flinders Island L		6491.9140	05	07	16	19	3582.88	— .052	3757.770
Flinders Island K		7390.1140	05	07	16	44	3582.65	— .054	3757.526

<i>IGC Name</i>	<i>Station BMR No.</i>	<i>Date and Time (EST)</i>				<i>Reading (Sc. Div.)</i>	<i>E.T. Corr. (mGal)</i>	<i>Corr'd Equiv. (mGal)</i>
		<i>M</i>	<i>D</i>	<i>H</i>	<i>M</i>			
Flinders Island L	6491.9140	05	08	07	30	3582.80	+ .034	3757.772
Flinders Island K	7390.1140	05	08	07	52	3582.59	+ .020	3757.537
Hobart K	6491.0160	05	08	10	09	3815.38	— .056	4002.305
Hobart P	7390.0160	05	08	10	32	3815.70	— .065	4002.633
Flinders Island L	6491.9140	05	08	13	00	3582.98	— .075	3757.852
Flinders Island K	7390.1140	05	08	13	26	3582.76	— .072	3757.624
Flinders Island L	6491.9140	05	09	07	17	3582.96	+ .055	3757.961
Flinders Island K	7390.1140	05	09	07	39	3582.74	+ .046	3757.721
Melbourne M	6491.0101	05	09	10	05	3351.35	— .018	3514.369
Melbourne W	7390.0101	05	09	10	25	3351.39	— .028	3514.401
Flinders Island L	6491.9140	05	09	12	40	3582.02	— .075	3756.843
Flinders Island K	7390.1140	05	09	13	02	3582.815	— .077	3757.677
Melbourne M	6491.0101	05	09	15	47	3351.37	— .048	3514.360
Melbourne W	7390.0101	05	09	16	09	3351.41	— .043	3514.407
Melbourne M	6491.0101	05	09	16	40	3351.36	— .033	3514.364
Melbourne V	7213.0101	05	09	17	33	3336.44	— .020	3498.693
Melbourne M	6491.0101	05	09	18	05	3351.37	— .014	3514.394
Melbourne M	6491.0101	05	10	07	26	3351.28	+ .060	3514.373
Melbourne W	7390.0101	05	10	07	39	3351.33	+ .058	3514.424
Canberra M	6893.0104	05	10	10	36	3027.27	— .017	3173.774
Canberra P	7390.0104	05	10	10	53	3027.84	— .025	3174.365
Melbourne M	6491.0101	05	10	14	14	3351.40	— .073	3514.366
Melbourne W	7390.0101	05	10	14	28	3351.44	— .072	3514.409
Canberra M	6893.0104	05	10	17	37	3027.23	— .002	3173.747
Canberra P	7390.0104	05	10	17	52	3027.79	+ .004	3174.342
Canberra M	6893.0104	05	11	07	42	3026.92	+ .052	3173.475
Canberra P	7390.0104	05	11	07	57	3027.63	+ .051	3174.220
Melbourne M	6491.0101	05	11	11	08	3351.40	— .014	3514.425
Melbourne W	7390.0101	05	11	11	37	3351.47	— .027	3514.486
Canberra M	6893.0104	05	11	14	07	3027.40	— .072	3173.856
Canberra P	7390.0104	05	11	14	27	3027.98	— .072	3174.465
Canberra M	6893.0104	05	12	07	28	3027.33	+ .029	3173.883
Canberra P	7390.0104	05	12	07	48	3027.89	+ .033	3174.476
Sydney T	6891.0305	05	12	10	25	3102.51	+ .017	3252.865
Sydney X	7390.0105	05	12	10	37	3103.00	+ .012	3253.375
Canberra M	6893.0104	05	12	12	30	3027.39	— .040	3173.877
Canberra P	7390.0104	05	12	13	07	3027.96	— .055	3174.461
Sydney T	6891.0305	05	12	14	48	3102.60	— .073	3252.869
Sydney X	7390.0105	05	12	15	10	3103.08	— .070	3253.377
Canberra M	6893.0104	05	12	17	15	3027.50	— .025	3174.008
Canberra P	7390.0104	05	12	17	32	3028.08	— .015	3174.627
Sydney T	6891.0305	05	12	19	27	3102.58	+ .064	3252.985
Sydney X	7390.0105	05	12	19	40	3103.07	+ .070	3253.506
Sydney A	5099.9905	05	13	10	39	3089.46	+ .018	3239.153
Sydney V	6891.0105	05	13	11	35	3101.86	— .005	3252.160
Sydney X	7390.0105	05	13	12	11	3103.13	— .021	3253.478
Sydney A	5099.9905	05	13	13	05	3089.50	— .047	3239.130
Sydney V	6891.0105	05	13	13	59	3101.91	— .067	3252.150
Sydney X	7390.0105	05	13	14	44	3103.19	— .076	3253.486
Sydney A	5099.9905	05	13	15	38	3089.55	— .074	3239.156
Sydney V	6891.0105	05	13	16	29	3101.91	— .059	3252.158
Sydney X	7390.0105	05	13	17	04	3103.14	— .041	3253.469
Sydney A	5099.9905	05	13	17	55	3089.49	— .007	3239.160

IGC Name	Station BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
		M	D	H	M			
Sydney T	6891.0305	05	14	09	43	3102.62	+ .020	3252.983
Sydney X	7390.0105	05	14	10	04	3103.10	+ .020	3253.488
Sydney U	7090.0105	05	14	10	36	3099.92	+ .018	3250.144
Sydney T	6891.0305	05	14	11	13	3102.62	+ .010	3252.973
Sydney X	7390.0105	05	14	11	30	3103.12	+ .005	3253.494
Sydney U	7090.0105	05	14	12	22	3099.95	— .017	3250.140
Sydney T	6891.0305	05	14	13	10	3102.67	— .040	3252.976
Sydney X	7390.0105	05	14	13	29	3103.17	— .049	3253.492
Sydney U	7090.0105	05	14	14	02	3100.00	— .062	3250.148
Sydney T	6891.0305	05	14	14	33	3102.70	— .073	3252.974
Sydney T	6891.0305	05	16	07	35	3102.70	— .064	3252.983
Sydney X	7390.0105	05	16	07	45	3103.18	— .060	3253.492
Kempsey J	6491.9111	05	16	10	14	2842.56	+ .011	2979.762
Kempsey L	7390.1111	05	16	10	30	2842.48	+ .015	2979.682
Sydney T	6891.0305	05	16	12	39	3102.65	— .010	3252.985
Sydney X	7390.0105	05	16	13	08	3103.14	— .020	3253.490
Kempsey J	6491.9111	05	16	15	21	2842.64	— .074	2979.761
Kempsey L	7390.1111	05	16	15	54	2842.58	— .083	2979.689
Kempsey J	6491.9111	05	17	07	17	2842.68	— .079	2979.798
Kempsey L	7390.1111	05	17	07	42	2842.59	— .072	2979.710
Brisbane R	7213.0147	05	17	10	02	2588.93	+ .005	2713.414
Brisbane S	7390.0147	05	17	10	31	2589.28	+ .016	2713.792
Kempsey J	6491.9111	05	17	12	58	2842.75	— .003	2979.947
Kempsey L	7390.1111	05	17	13	17	2842.67	— .010	2979.856
Brisbane R	7213.0147	05	17	15	37	2588.99	— .068	2713.404
Brisbane S	7390.0147	05	17	16	15	2589.35	— .082	2713.768
Brisbane R	7213.0147	05	18	07	00	2589.04	— .084	2713.440
Brisbane S	7390.0147	05	18	07	24	2589.38	— .082	2713.799
Rockhampton K	6499.0149	05	18	10	03	2316.72	— .005	2427.691
Rockhampton M	7390.0149	05	18	10	28	2317.15	+ .008	2428.155
Brisbane R	7213.0147	05	18	13	27	2588.98	+ .004	2713.465
Brisbane S	7390.0147	05	18	13	43	2589.31	— .001	2713.807
Rockhampton K	6499.0149	05	18	16	29	2316.84	— .068	2427.754
Rockhampton M	7390.0149	05	18	17	04	2317.28	— .080	2428.204
Rockhampton K	6499.0149	05	19	06	56	2316.88	— .077	2427.787
Rockhampton M	7390.0149	05	19	07	24	2317.30	— .079	2428.226
Mackay J	6491.0161	05	19	09	25	2183.34	— .042	2287.711
Mackay M	7390.0161	05	19	09	50	2183.23	— .029	2287.609
Rockhampton K	6499.0149	05	19	11	43	2316.80	+ .021	2427.801
Rockhampton M	7390.0149	05	19	12	21	2317.20	+ .030	2428.230
Rockhampton K	6499.0149	05	20	07	23	2316.89	— .068	2427.806
Rockhampton M	7390.0149	05	20	07	58	2317.33	— .072	2428.264
Mackay J	6491.0161	05	20	09	36	2183.31	— .050	2287.672
Mackay M	7390.0161	05	20	10	04	2183.20	— .038	2287.568
Rockhampton K	6499.0149	05	20	12	01	2316.81	+ .012	2427.802
Rockhampton M	7390.0149	05	20	12	27	2317.22	+ .019	2428.240
Mackay J	6491.0161	05	20	14	24	2183.27	+ .028	2287.708
Mackay M	7390.0161	05	20	15	00	2183.19	+ .017	2287.613

IGC Name	Station BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
		M	D	H	M			
Mackay J	6491.0161	05	21	07	13	2183.36	— .042	2287.732
Mackay M	7390.0161	05	21	07	38	2183.26	— .051	2287.618
Townsville O	7090.0151	05	21	10	07	2078.38	— .047	2177.604
Townsville Q	7390.0151	05	21	10	28	2078.59	— .038	2177.833
Mackay J	6491.0161	05	21	12	40	2183.29	+ .015	2287.716
Mackay M	7390.0161	05	21	13	04	2183.18	+ .023	2287.608
Townsville O	7090.0151	05	21	15	19	2078.31	+ .030	2177.607
Townsville Q	7390.0151	05	21	15	44	2078.52	+ .022	2177.820
Townsville O	7090.0151	05	23	07	00	2078.36	+ .029	2177.659
Townsville Q	7390.0151	05	23	07	24	2078.60	+ .015	2177.897
Cooktown L	7090.1072	05	23	09	46	1905.11	— .038	1995.893
Cooktown M	7390.1072	05	23	10	27	1905.29	— .039	1996.081
Townsville O	7090.0151	05	23	13	17	2078.405	— .002	2177.675
Townsville Q	7390.0151	05	23	13	45	2078.61	+ .008	2177.906
Cooktown L	7090.1072	05	23	16	17	1905.025	+ .047	1995.889
Cooktown M	7390.1072	05	23	17	00	1905.21	+ .044	1996.080
Cooktown L	7090.1072	05	24	07	17	1905.04	+ .053	1995.910
Cooktown M	7390.1072	05	24	07	50	1905.25	+ .035	1996.113
Iron Range K	6600.0025	05	24	10	05	1813.55	— .019	1899.902
Iron Range L	7390.1073	05	24	10	29	1813.255	— .025	1899.586
Cooktown L	7090.1072	05	24	13	06	1905.09	— .016	1995.894
Cooktown M	7390.1072	05	24	13	47	1905.26	— .003	1996.085
Iron Range K	6600.0025	05	24	16	16	1813.48	+ .052	1899.899
Iron Range L	7390.1073	05	24	16	52	1813.18	+ .059	1899.592
Iron Range K	6600.0025	05	24	17	04	1813.48	+ .060	1899.907
Iron Range L	7390.1073	05	24	17	15	1813.18	+ .061	1899.594
Port Moresby T	7390.0176	05	25	11	01	1686.62	— .016	1766.818
Iron Range K	6600.0025	05	25	14	32	1813.57	— .006	1899.936
Iron Range L	7390.1073	05	25	14	53	1813.27	+ .002	1899.629
Port Moresby L	7390.0176	05	25	18	38	1686.53	+ .085	1766.825
Port Moresby T	6791.0476	05	25	19	13	1685.94	+ .083	1766.204
Port Moresby L	7390.0176	05	25	19	39	1686.55	+ .078	1766.839
Port Moresby T	6791.0476	05	25	20	03	1685.97	+ .072	1766.225
Port Moresby Q	7090.0176	05	25	21	14	1694.57	+ .046	1775.215
Port Moresby V	7390.0376	05	25	21	55	1644.65	+ .030	1722.863
Port Moresby Q	7090.0176	05	25	22	33	1694.60	+ .016	1775.217
Port Moresby V	7390.0376	05	25	23	02	1644.69	+ .007	1722.882
Port Moresby Q	7090.0176	05	25	23	33	1694.62	— .001	1775.221
Port Moresby L	6791.0476	05	26	07	10	1685.97	+ .097	1766.250
Port Moresby T	7390.0176	05	26	07	47	1686.54	+ .092	1766.843
Lae K	6791.0177	05	26	10	04	1493.50	+ .038	1564.422
Lae M	7390.0177	05	26	10	30	1494.14	+ .024	1565.079
Port Moresby L	6791.0476	05	26	12	37	1686.09	— .030	1766.249
Port Moresby T	7390.0176	05	26	12	57	1686.69	— .033	1766.875
Lae K	6791.0177	05	26	15	54	1493.49	+ .019	1564.393
Lae M	7390.0177	05	26	16	21	1494.11	+ .034	1565.058
Lae K	6791.0177	05	27	07	02	1493.44	+ .102	1564.423
Lae M	7390.0177	05	27	07	26	1494.06	+ .107	1565.078
Mount Hagen K	6791.0178	05	27	09	38	1175.94	+ .093	1231.701
Mount Hagen M	7390.0178	05	27	09	58	1175.45	+ .084	1231.178
Lae K	6791.0177	05	27	11	45	1493.65	+ .010	1564.552
Lae M	7390.0177	05	27	12	12	1494.28	— .006	1565.196
Mount Hagen K	6791.0178	05	27	14	25	1176.13	— .042	1231.765
Mount Hagen M	7390.0178	05	27	14	46	1175.61	— .041	1231.221

IGC Name	Station BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
		M	D	H	M			
Mount Hagen K	6791.0178	05	28	08	43	1175.99	+ .121	1231.781
Mount Hagen M	7390.0178	05	28	09	09	1175.48	+ .124	1231.250
Laiagam J	6791.9029	05	28	10	33	1009.38	+ .101	1057.219
Laiagam L	7390.1029	05	28	10	53	1009.56	+ .090	1057.397
Mount Hagen K	6791.0178	05	28	12	07	1176.09	+ .037	1231.802
Mount Hagen M	7090.0178	05	28	12	27	1175.59	+ .022	1231.263
Laiagam J	6791.9029	05	28	13	33	1009.52	— .024	1057.241
Laiagam L	7390.1029	05	28	14	04	1009.69	— .041	1057.402
Mount Hagen K	6791.0178	05	28	15	04	1176.18	— .059	1231.800
Mount Hagen M	7390.0178	05	28	15	52	1175.66	— .055	1231.259
Laiagam J	6791.9029	05	28	16	52	1009.52	— .029	1057.236
Laiagam L	7390.1029	05	28	17	01	1009.70	— .024	1057.429
Mount Hagen K	6791.0178	05	28	17	52	1176.12	+ .018	1231.814
Mount Hagen M	7390.0178	05	28	18	20	1175.57	+ .043	1231.263
Mount Hagen K	6791.0178	05	29	07	38	1176.045	+ .070	1231.788
Mount Hagen M	7390.0178	05	29	08	03	1175.515	+ .090	1231.252
Lae K	6791.0177	05	29	10	06	1493.575	+ .128	1564.591
Lae M	7390.0177	05	29	10	26	1494.18	+ .123	1565.220
Mount Hagen K	6791.0178	05	29	12	20	1176.04	+ .062	1231.774
Mount Hagen M	7390.0178	05	29	12	52	1175.55	+ .034	1231.233
Lae K	6791.0177	05	29	14	49	1493.74	— .066	1564.570
Lae M	7390.0177	05	29	15	21	1494.36	— .074	1565.212
Lae K	6791.0177	05	30	06	56	1493.68	— .007	1564.566
Lae M	7390.0177	05	30	07	28	1494.265	+ .024	1565.210
Port Moresby L	6791.0476	05	30	09	30	1686.13	+ .112	1766.433
Port Moresby T	7390.0176	05	30	10	06	1686.69	+ .122	1767.030
Lae K	6791.0177	05	30	12	30	1493.59	+ .081	1564.560
Lae M	7390.0177	05	30	12	55	1494.23	+ .058	1565.207
Port Moresby L	6791.0476	05	30	15	42	1686.28	— .087	1766.391
Port Moresby T	7390.0176	05	30	16	17	1686.88	— .094	1767.013
Port Moresby T	7390.0176	06	01	09	42	1686.63	+ .044	1766.889
Port Moresby U	7390.0276	06	01	10	03	1686.18	+ .063	1766.436
Port Moresby T	7390.0176	06	01	10	19	1686.62	+ .077	1766.911
Port Moresby U	7390.0276	06	01	10	34	1686.16	+ .088	1766.440
Port Moresby T	7390.0176	06	01	10	50	1686.61	+ .100	1766.924
Port Moresby U	7390.0276	06	01	11	03	1686.13	+ .106	1766.427
Port Moresby T	7390.0176	06	01	11	16	1686.59	+ .111	1766.914
Port Moresby L	6791.0476	06	02	07	22	1686.25	— .107	1766.340
Port Moresby T	7390.0176	06	02	07	50	1686.83	— .097	1766.958
Iron Range K	6600.0025	06	02	10	48	1813.66	+ .029	1900.065
Iron Range L	7390.1073	06	02	11	12	1813.33	+ .050	1899.740
Port Moresby T	7390.0176	06	02	14	50	1686.70	+ .061	1766.979
Iron Range K	6600.0025	06	02	18	03	1813.80	— .095	1900.088
Iron Range L	7390.1073	06	02	18	30	1813.49	— .103	1899.755
Iron Range K	6600.0025	06	03	06	35	1813.765	— .063	1900.083
Iron Range L	7390.1073	06	03	07	07	1813.475	— .082	1899.760
Cooktown L	7090.1072	06	03	09	24	1905.34	— .075	1996.097
Cooktown M	7390.1072	06	03	10	01	1905.48	— .052	1996.267
Iron Range K	6600.0025	06	03	12	00	1813.66	+ .048	1900.084
Iron Range L	7390.1073	06	03	12	42	1813.335	+ .075	1899.770
Cooktown L	7090.1072	06	03	15	08	1905.20	+ .059	1996.084
Cooktown M	7390.1072	06	03	15	38	1905.41	+ .041	1996.286

<i>IGC Name</i>	<i>Station</i> <i>BMR No.</i>	<i>Date and Time</i> <i>(EST)</i>				<i>Reading</i> <i>(Sc. Div.)</i>	<i>E.T. Corr.</i> <i>(mGal)</i>	<i>Corr'd</i> <i>Equiv.</i> <i>(mGal)</i>
		<i>M</i>	<i>D</i>	<i>H</i>	<i>M</i>			
Cooktown L	7090.1072	06	04	07	00	1905.30	— .036	1996.094
Cooktown M	7390.1072	06	04	07	35	1905.51	— .061	1996.289
Townsville O	7090.0151	06	04	09	59	2078.68	— .073	2177.893
Townsville Q	7390.0151	06	04	10	30	2078.86	— .058	2178.096
Cooktown L	7090.1072	06	04	13	23	1905.19	+ .060	1996.075
Cooktown M	7390.1072	06	04	13	55	1905.36	+ .072	1996.265
Townsville O	7090.0151	06	04	16	33	2078.565	+ .022	2177.867
Townsville Q	7390.0151	06	04	16	57	2078.79	+ .009	2178.090
Townsville O	7090.0151	06	05	06	55	2078.56	+ .013	2177.853
Townsville Q	7390.0151	06	05	07	22	2078.795	— .008	2178.078
Cooktown L	7090.1072	06	05	09	52	1905.29	— .068	1996.052
Cooktown M	7390.1072	06	05	10	13	1905.465	— .067	1996.236
Townsville O	7090.0151	06	05	12	41	2078.60	— .002	2177.880
Townsville Q	7390.0151	06	05	13	06	2078.79	+ .012	2178.093
Townsville O	7090.0151	06	06	07	28	2078.56	+ .027	2177.867
Townsville Q	7390.0151	06	06	07	52	2078.795	+ .009	2178.095
Mackay J	6491.0161	06	06	09	50	2183.60	— .057	2287.969
Mackay M	7390.0161	06	06	10	22	2183.50	— .062	2287.859
Townsville O	7090.0151	06	06	12	22	2078.60	— .033	2177.849
Townsville Q	7390.0151	06	06	12	45	2078.815	— .023	2178.084
Mackay J	6491.0161	06	06	15	04	2183.505	+ .043	2287.969
Mackay M	7390.0161	06	06	15	33	2183.375	+ .053	2287.843
Mackay J	6491.0161	06	07	07	03	2183.495	+ .060	2287.976
Mackay M	7390.0161	06	07	07	37	2183.405	+ .040	2287.861
Rockhampton K	6499.0149	06	07	09	32	2317.08	— .032	2428.042
Rockhampton M	7390.0149	06	07	09	55	2317.515	— .041	2428.489
Mackay J	6491.0161	06	07	11	44	2183.585	— .053	2287.957
Mackay M	7390.0161	06	07	12	07	2183.475	— .050	2287.845
Rockhampton K	6499.0149	06	07	14	00	2317.075	— .010	2428.059
Rockhampton M	7390.0149	06	07	14	36	2317.49	+ .007	2428.511
Rockhampton K	6499.0149	06	08	07	13	2317.015	+ .058	2428.064
Rockhampton M	7390.0149	06	08	07	42	2317.44	+ .046	2428.498
Brisbane R	7213.0147	06	08	10	38	2589.385	— .046	2713.840
Brisbane S	7390.0147	06	08	10	49	2589.72	— .049	2714.189
Rockhampton K	6499.0149	06	08	13	38	2317.145	— .037	2428.105
Rockhampton M	7390.0149	06	08	14	04	2317.555	— .029	2428.543
Brisbane R	7213.0147	06	08	16	59	2589.275	+ .050	2713.821
Brisbane S	7390.0147	06	08	17	11	2589.61	+ .054	2714.177
Brisbane S	7390.0147	06	09	09	35	2589.655	— .006	2714.164
Brisbane D	6091.0147	06	09	10	50	2598.37	— .035	2723.284
Brisbane N	6091.0247	06	09	11	45	2542.925	— .051	2665.062
Brisbane D	6091.0147	06	09	12	15	2598.40	— .056	2723.294
Brisbane N	6091.0247	06	09	12	43	2542.935	— .058	2665.065
Brisbane D	6091.0147	06	09	13	10	2598.395	— .057	2723.288
Brisbane N	6091.0247	06	09	13	37	2542.935	— .053	2665.070
Brisbane D	6091.0147	06	09	14	05	2598.395	— .046	2723.299

IGC Name	Station BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
		M	D	H	M			
Brisbane S	7390.0147	06	09	14	55	2589.66	— .027	2714.148
Brisbane D	6091.0147	06	09	15	39	2598.315	— .006	2723.255
Brisbane S	7390.0147	06	09	16	30	2589.59	+ .023	2714.125
Brisbane D	6091.0147	06	09	17	32	2598.265	+ .057	2723.266
Brisbane S	7390.0147	06	09	18	24	2589.54	+ .079	2714.128
Brisbane T	7390.0247	06	09	19	45	2588.88	+ .095	2713.451
Brisbane S	7390.0147	06	09	20	02	2589.52	+ .095	2714.123
Brisbane T	7390.0247	06	09	20	18	2588.885	+ .095	2713.456
Brisbane S	7390.0147	06	09	20	32	2589.54	+ .093	2714.142
Brisbane T	7390.0247	06	09	20	46	2588.88	+ .091	2713.447
Brisbane S	7390.0147	06	09	21	00	2589.53	+ .087	2714.126
Brisbane R	7213.0147	06	10	07	19	2589.25	+ .028	2713.773
Brisbane S	7390.0147	06	10	07	36	2589.605	+ .027	2714.144
Kempsey J	6491.9111	06	10	10	07	2843.08	— .015	2980.282
Kempsey L	7390.1111	06	10	10	42	2843.00	— .027	2980.186
Brisbane R	7213.0147	06	10	12	56	2589.315	— .059	2713.754
Brisbane S	7390.0147	06	10	13	10	2589.655	— .060	2714.110
Kempsey J	6491.9111	06	10	16	04	2843.075	— .017	2980.275
Kempsey L	7390.1111	06	10	16	45	2842.97	+ .008	2980.190
Kempsey J	6491.9111	06	11	07	27	2843.04	— .002	2980.253
Kempsey L	7390.1111	06	11	07	47	2842.945	+ .001	2980.156
Brisbane R	7213.0147	06	11	10	07	2589.245	+ .006	2713.745
Brisbane S	7390.0147	06	11	10	24	2589.595	+ .000	2714.107
Kempsey J	6491.9111	06	11	13	00	2843.12	— .060	2980.279
Kempsey L	7390.1111	06	11	13	11	2843.03	— .062	2980.183
Kempsey J	6491.9111	06	12	07	20	2843.06	— .023	2980.253
Kempsey L	7390.1111	06	12	07	40	2842.98	— .017	2980.175
Sydney T	6891.0305	06	12	10	11	3103.09	— .012	3253.445
Sydney X	7390.0105	06	12	10	28	3103.57	— .014	3253.948
Kempsey J	6491.9111	06	12	12	59	2843.08	— .053	2980.244
Kempsey L	7390.1111	06	12	13	20	2842.995	— .059	2980.149
Sydney T	6891.0305	06	12	16	02	3103.13	— .059	3253.440
Sydney X	7390.0105	06	12	16	24	3103.61	— .050	3253.954
Sydney T	6891.0305	06	13	07	30	3103.13	— .050	3253.449
Sydney X	7390.0105	06	13	07	44	3103.62	— .045	3253.969
Canberra M	6893.0104	06	13	10	02	3027.92	— .020	3174.454
Canberra P	7390.0104	06	13	10	31	3028.47	— .018	3175.034
Sydney T	6891.0305	06	13	12	22	3103.09	— .036	3253.421
Sydney X	7390.0105	06	13	12	43	3103.57	— .042	3253.920
Canberra M	6893.0104	06	13	14	35	3027.97	— .074	3174.453
Canberra P	7390.0104	06	13	15	03	3028.54	— .077	3175.049
Sydney T	6891.0305	06	13	16	58	3103.29	— .054	3253.613
Sydney X	7390.0105	06	13	17	26	3103.76	— .039	3254.122
Canberra M	6893.0104	06	13	19	40	3028.035	+ .055	3174.650
Canberra P	7390.0104	06	13	20	00	3028.575	+ .071	3175.233
Canberra L	6491.0304	07	04	10	19	3023.88	— .081	3170.148
Canberra K	6491.0204	07	04	10	32	2971.77	— .076	3115.405
Canberra L	6491.0304	07	04	10	43	3023.88	— .072	3170.157
Canberra K	6491.0204	07	04	10	55	2971.78	— .067	3115.424
Canberra L	6491.0304	07	04	11	05	3023.88	— .063	3170.166
Canberra K	6491.0204	07	04	11	18	2971.76	— .057	3115.413
Canberra L	6491.0304	07	04	11	28	3023.87	— .052	2170.167
Canberra K	6491.0204	07	04	11	40	2971.75	— .045	3115.415
Canberra L	6491.0304	07	04	11	51	3023.85	— .040	3170.158

APPENDIX 4K G101 1973

IGC Name	Station BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
		M	D	H	M			
Canberra L	6491.0304	04	26	09	32	3188.91	+ .021	3333.262
Canberra K	6491.0204	04	26	09	52	3136.68	+ .012	3278.626
Canberra L	6491.0304	04	26	10	08	3188.93	+ .006	3333.268
Canberra K	6491.0204	04	26	10	29	3136.68	— .003	3278.611
Canberra L	6491.0304	04	26	10	45	3188.95	— .010	3333.273
Canberra K	6491.0204	04	26	11	06	3136.72	— .019	3278.636
Canberra L	6491.0304	04	26	11	22	3188.98	— .025	3333.289
Canberra K	6491.0204	04	26	11	40	3136.72	— .032	3278.623
Canberra L	6491.0304	04	26	11	57	3188.98	— .038	3333.276
Canberra P	7390.0104	05	03	08	15	3194.01	— .087	3338.488
Melbourne M	6491.0101	05	03	12	16	3518.21	— .011	3677.678
Melbourne W	7390.0101	05	03	12	53	3518.26	— .013	3677.729
Canberra M	6893.0104	05	03	15	13	3193.34	— .069	3337.805
Canberra P	7390.0104	05	03	15	53	3193.93	— .088	3338.403
Melbourne M	6491.0101	05	03	19	17	3518.22	— .071	3677.629
Melbourne W	7390.0101	05	03	20	05	3518.21	— .031	3677.658
Melbourne M	6491.0101	05	03	20	18	3518.16	— .018	3677.619
Melbourne W	7390.0101	05	03	20	30	3518.20	— .007	3677.672
Melbourne M	6491.0101	05	04	07	29	3518.30	— .101	3677.683
Melbourne W	7390.0101	05	04	08	25	3518.31	— .104	3677.690
Flinders Island L	6491.9140	05	04	10	30	3750.51	— .067	3920.634
Flinders Island K	7390.1140	05	04	11	07	3750.29	— .055	3920.416
Melbourne M	6491.0101	05	04	13	17	3518.13	— .025	3677.581
Melbourne W	7390.0101	05	04	13	58	3518.19	— .032	3677.637
Flinders Island L	6491.9140	05	04	16	44	3750.51	— .100	3920.601
Flinders Island K	7390.1140	05	04	17	00	3750.29	— .104	3920.367
Flinders Island L	6491.9140	05	04	17	10	3750.51	— .105	3920.596
Flinders Island K	7390.1140	05	04	17	23	3750.29	— .107	3920.364
Flinders Island L	6491.9140	05	05	07	56	3750.52	— .087	3920.624
Flinders Island K	7390.1140	05	05	08	33	3750.29	— .095	3920.376
Hobart K	6491.0160	05	05	10	31	3983.71	— .087	4164.572
Hobart P	7390.0160	05	05	11	05	3984.00	— .079	4164.883
Flinders Island L	6491.9140	05	05	13	53	3750.47	— .047	3920.612
Flinders Island K	7390.1140	05	05	14	02	3750.28	— .047	3920.413
Hobart K	6491.0160	05	05	16	25	3983.70	— .089	4164.560
Hobart P	7390.0160	05	05	16	41	3984.00	— .093	4164.869
Hobart K	6491.0160	05	05	16	55	3983.69	— .095	4164.543
Hobart P	7390.0160	05	05	17	07	3983.99	— .098	4164.854
Hobart K	6491.0160	05	06	15	39	3983.65	— .068	4164.528
Hobart Q	7390.0260	05	06	16	02	3982.46	— .071	4163.280
Hobart K	6491.0160	05	06	16	18	3983.66	— .074	4164.533
Hobart Q	7390.0260	05	06	16	37	3982.47	— .077	4163.285
Hobart K	6491.0160	05	06	16	47	3983.67	— .079	4164.538
Hobart K	6491.0160	05	07	07	59	3983.67	— .021	4164.596
Hobart P	7390.0160	05	07	08	10	3984.02	— .028	4164.955
Flinders Island L	6491.9140	05	07	11	05	3750.52	— .080	3920.631
Flinders Island K	7390.1140	05	07	11	14	3750.29	— .080	3920.391
Hobart K	6491.0160	05	07	13	31	3983.71	— .072	4164.587
Hobart P	7390.0160	05	07	13	50	3984.03	— .070	4164.924
Flinders Island L	6491.9140	05	07	16	31	3750.49	— .053	3920.627
Flinders Island K	7390.1140	05	07	16	51	3750.29	— .055	3920.416

<i>IGC Name</i>	<i>Station BMR No.</i>	<i>Date and Time (EST)</i>				<i>Reading (Sc. Div.)</i>	<i>E.T. Corr. (mGal)</i>	<i>Corr'd Equiv. (mGal)</i>
		<i>M</i>	<i>D</i>	<i>H</i>	<i>M</i>			
Flinders Island L	6491.9140	05	08	07	36	3750.45	+ .030	3920.668
Flinders Island K	7390.1140	05	08	07	55	3750.21	+ .018	3920.405
Hobart K	6491.0160	05	08	10	16	3983.68	— .059	4164.569
Hobart P	7390.0160	05	08	10	37	3984.01	— .066	4164.907
Flinders Island L	6491.9140	05	08	13	08	3750.57	— .074	3920.690
Flinders Island K	7390.1140	05	08	13	31	3750.34	— .071	3920.452
Flinders Island L	6491.9140	05	09	07	23	3750.49	+ .053	3920.733
Flinders Island K	7390.1140	05	09	07	44	3750.25	+ .044	3920.473
Melbourne M	6491.0101	05	09	10	12	3518.255	— .021	3677.716
Melbourne W	7390.0101	05	09	10	30	3518.30	— .030	3677.754
Flinders Island L	6491.9140	05	09	12	47	3750.59	— .076	3920.709
Flinders Island K	7390.1140	05	09	13	06	3750.38	— .077	3920.488
Melbourne M	6491.0101	05	09	15	57	3518.28	— .046	3677.717
Melbourne W	7390.0101	05	09	16	12	3518.32	— .043	3677.762
Melbourne M	6491.0101	05	09	16	44	3518.26	— .033	3677.709
Melbourne V	7213.0101	05	09	17	38	3503.33	— .019	3662.105
Melbourne M	6491.0101	05	09	18	16	3518.26	— .013	3677.729
Melbourne M	6491.0101	05	10	07	32	3518.19	+ .059	3677.728
Melbourne W	7390.0101	05	10	07	43	3518.23	+ .057	3677.767
Canberra M	6893.0104	05	10	10	42	3193.40	— .020	3337.917
Canberra P	7390.0104	05	10	10	51	3193.94	— .024	3338.478
Melbourne M	6491.0101	05	10	14	22	3518.27	— .072	3677.680
Melbourne W	7390.0101	05	10	14	32	3518.33	— .072	3677.743
Canberra M	6893.0104	05	10	17	42	3193.37	— .000	3337.906
Canberra P	7390.0104	05	10	17	58	3193.97	+ .006	3338.539
Canberra M	6893.0104	05	11	07	47	3193.33	+ .052	3337.916
Canberra P	7390.0104	05	11	08	02	3193.91	+ .051	3338.521
Melbourne M	6491.0101	05	11	11	13	3518.26	— .015	3677.727
Melbourne W	7390.0101	05	11	11	40	3518.32	— .028	3677.777
Canberra M	6893.0104	05	11	14	15	3193.49	— .072	3337.959
Canberra P	7390.0104	05	11	14	32	3194.07	— .071	3338.567
Canberra M	6893.0104	05	12	07	34	3193.41	+ .031	3337.979
Canberra P	7390.0104	05	12	07	53	3193.98	+ .034	3338.578
Sydney T	6891.0305	05	12	10	30	3268.74	+ .015	3416.754
Sydney X	7390.0105	05	12	10	41	3269.24	+ .010	3417.272
Canberra M	6893.0104	05	12	12	35	3193.43	— .042	3337.926
Canberra P	7390.0104	05	12	13	10	3194.03	— .056	3338.540
Sydney T	6891.0305	05	12	14	54	3268.81	— .073	3416.739
Sydney X	7390.0105	05	12	15	13	3269.30	— .070	3417.254
Canberra M	6893.0104	05	12	17	18	3193.46	— .024	3337.976
Canberra P	7390.0104	05	12	17	36	3194.01	— .013	3338.562
Sydney T	6891.0305	05	12	19	32	3268.72	+ .066	3416.784
Sydney X	7390.0105	05	12	19	45	3269.19	+ .073	3417.282
Sydney A	5099.9905	05	13	10	43	3255.53	+ .017	3402.939
Sydney V	6891.0105	05	13	11	42	3267.98	— .008	3415.936
Sydney X	7390.0105	05	13	12	16	3269.27	— .024	3417.269
Sydney A	5099.9905	05	13	13	11	3255.64	— .049	3402.988
Sydney V	6891.0105	05	13	14	05	3268.06	— .069	3415.958
Sydney X	7390.0105	05	13	14	50	3269.31	— .076	3417.259
Sydney A	5099.9905	05	13	15	43	3255.66	— .074	3402.984
Sydney V	6891.0105	05	13	16	34	3268.05	— .057	3415.960
Sydney X	7390.0105	05	13	17	07	3269.27	— .040	3417.253
Sydney Z	5099.9905	05	13	17	59	3255.60	— .005	3402.990

IGC Name	Station	BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
			M	D	H	M			
Sydney T		6891.0305	05	14	09	49	3268.71	+ .021	3416.728
Sydney X		7390.0105	05	14	10	09	3269.21	+ .020	3417.250
Sydney U		7090.0105	05	14	10	41	3266.05	+ .017	3413.942
Sydney T		6891.0305	05	14	11	17	3268.73	+ .009	3416.737
Sydney X		7390.0105	05	14	11	33	3269.23	+ .003	3417.254
Sydney U		7090.0105	05	14	12	27	3266.07	— .019	3143.927
Sydney T		6891.0305	05	14	13	15	3268.79	— .043	3416.748
Sydney X		7390.0105	05	14	13	33	3269.28	— .050	3417.253
Sydney U		7090.0105	05	14	14	06	3266.10	— .063	3413.914
Sydney T		6891.0305	05	14	14	38	3268.81	— .074	3416.738
Sydney T		6891.0305	05	16	07	38	3268.90	— .063	3416.843
Sydney X		7390.0105	05	16	07	50	3269.38	— .058	3417.350
Kempsey J		6491.9111	05	16	10	22	3008.16	+ .013	3144.217
Kempsey L		7390.1111	05	16	10	34	3008.09	+ .015	3144.146
Sydney T		6891.0305	05	16	12	45	3268.73	— .013	3416.715
Sydney X		7390.0105	05	16	13	11	3269.21	— .021	3417.209
Kempsey J		6491.9111	05	16	15	27	3008.19	— .076	3144.159
Kempsey L		7390.1111	05	16	15	59	3008.10	— .084	3144.057
Kempsey J		6491.9111	05	17	07	23	3008.15	— .078	3144.115
Kempsey L		7390.1111	05	17	07	45	3008.08	— .070	3144.050
Brisbane R		7213.0147	05	17	10	07	2753.81	+ .007	2878.246
Brisbane S		7390.0147	05	17	10	35	2754.14	+ .017	2878.601
Kempsey J		6491.9111	05	17	13	02	3008.10	— .005	3144.136
Kempsey L		7390.1111	05	17	13	20	3008.02	— .011	3144.046
Brisbane R		7213.0147	05	17	15	43	2753.91	— .071	2878.272
Brisbane S		7390.0147	05	17	16	19	2754.25	— .082	2878.617
Brisbane R		7213.0147	05	18	07	05	2753.94	— .084	2878.291
Brisbane S		7390.0147	05	18	07	28	2754.28	— .080	2878.650
Rockhampton K		6499.0149	05	18	10	11	2481.26	— .001	2593.252
Rockhampton M		7390.0149	05	18	10	31	2481.66	+ .009	2593.680
Brisbane R		7213.0147	05	18	13	33	2753.83	+ .002	2878.262
Brisbane S		7390.0147	05	18	13	47	2754.18	— .003	2878.623
Rockhampton K		6499.0149	05	18	16	36	2481.31	— .070	2593.236
Rockhampton M		7390.0149	05	18	17	11	2481.73	— .081	2593.664
Rockhampton K		6499.0149	05	19	07	02	2481.32	— .077	2593.239
Rockhampton M		7390.0149	05	19	07	27	2481.74	— .079	2593.676
Mackay J		6491.0161	05	19	09	31	2347.59	— .039	2453.469
Mackay M		7390.0161	05	19	09	53	2347.48	— .027	2453.366
Rockhampton K		6499.0149	05	19	11	48	2481.23	+ .023	2593.245
Rockhampton M		7390.0149	05	19	12	24	2481.64	+ .030	2593.681
Rockhampton K		6499.0149	05	20	07	29	2481.31	— .069	2593.237
Rockhampton M		7390.0149	05	20	08	02	2481.75	— .072	2593.694
Mackay J		6491.0161	05	20	09	42	2347.61	— .047	2453.482
Mackay M		7390.0161	05	20	10	11	2347.50	— .033	2453.381
Rockhampton K		6499.0149	05	20	12	07	2481.23	+ .014	2593.236
Rockhampton M		7390.0149	05	20	12	30	2481.66	+ .020	2593.691
Mackay J		6491.0161	05	20	14	33	2347.54	+ .025	2453.481
Mackay M		7390.0161	05	20	15	04	2347.44	+ .016	2453.367
Mackay J		6491.0161	05	21	07	17	2347.60	— .044	2453.474
Mackay M		7390.0161	05	21	07	42	2347.51	— .052	2453.372
Townsville O		7090.0151	05	21	10	12	2242.49	— .044	2343.590
Townsville Q		7390.0151	05	21	10	32	2242.69	— .036	2343.807
Mackay J		6491.0161	05	21	12	47	2347.55	+ .018	2453.484
Mackay M		7390.0161	05	21	13	08	2347.43	+ .024	2453.365
Townsville O		7090.0151	05	21	15	25	2242.42	+ .028	2343.589
Townsville Q		7390.0151	05	21	15	48	2242.65	+ .022	2343.823

IGC Name	Station	BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
			M	D	H	M			
Townsville O		7090.0151	05	23	07	09	2242.42	+ .024	2343.585
Townsville Q		7390.0151	05	23	07	28	2242.67	+ .013	2343.835
Cooktown L		7090.1072	05	23	09	54	2068.955	— .039	2162.209
Cooktown M		7390.1072	05	23	10	32	2069.13	— .039	2162.392
Townsville O		7090.0151	05	23	13	25	2242.43	+ .000	2343.571
Townsville Q		7390.1051	05	23	13	48	2242.65	+ .009	2343.810
Cooktown L		7090.1072	05	23	16	25	2068.87	+ .047	2162.206
Cooktown M		7390.1072	05	23	17	04	2069.06	+ .044	2162.402
Cooktown L		7090.1072	05	24	07	28	2068.87	+ .047	2162.206
Cooktown M		7390.1072	05	24	07	59	2069.06	+ .031	2162.389
Iron Range K		6600.0025	05	24	10	12	1977.29	— .021	2066.424
Iron Range L		7390.1073	05	24	10	33	1977.00	— .025	2066.117
Cooktown L		7090.1072	05	24	13	12	2068.91	— .014	2162.187
Cooktown M		7390.1072	05	24	13	53	2069.09	— .002	2162.387
Iron Range K		6600.0025	05	24	16	23	1977.20	+ .053	2066.404
Iron Range L		7390.1073	05	24	16	57	1976.92	+ .059	2066.117
Iron Range K		6600.0025	05	24	17	08	1977.22	+ .061	2066.432
Iron Range L		7390.1073	05	24	17	19	1976.92	+ .061	2066.119
Port Moresby T		7390.0176	05	25	11	06	1846.82	— .017	1930.070
Iron Range K		6600.0025	05	25	14	41	1973.90	— .003	2062.899
Iron Range L		7390.1073	05	25	14	58	1973.60	+ .004	2062.592
Port Moresby L		7390.0176	05	25	18	44	1846.80	+ .085	1930.151
Port Moresby T		6791.0476	05	25	19	19	1846.19	+ .082	1929.510
Port Moresby L		7390.0176	05	25	19	45	1846.82	+ .077	1930.164
Port Moresby T		6791.0476	05	25	20	08	1846.22	+ .071	1929.531
Port Moresby Q		7090.0176	05	25	21	20	1854.83	+ .044	1938.502
Port Moresby V		7390.0376	05	25	22	00	1804.87	+ .028	1886.273
Port Moresby Q		7090.0176	05	25	22	37	1854.84	+ .015	1938.483
Port Moresby V		7390.0376	05	25	23	06	1804.89	+ .006	1886.272
Port Moresby Q		7090.0176	05	25	23	38	1854.87	— .003	1938.497
Port Moresby L		6791.0476	05	26	07	20	1846.21	+ .097	1929.546
Port Moresby T		7390.0176	05	26	07	51	1846.80	+ .091	1930.157
Lae K		6791.0177	05	26	10	13	1653.55	+ .033	1728.126
Lae M		7390.0177	05	26	10	33	1654.20	+ .022	1728.794
Port Moresby L		6791.0476	05	26	12	42	1846.33	— .031	1929.543
Port Moresby T		7390.0176	05	26	13	02	1846.93	— .033	1930.169
Lae K		6791.0177	05	26	16	01	1653.575	+ .023	1728.142
Lae M		7390.0177	05	26	16	25	1654.20	+ .037	1728.809
Lae K		6791.0177	05	27	07	08	1653.485	+ .104	1728.129
Lae M		7390.0177	05	27	07	30	1654.11	+ .108	1728.786
Mount Hagen K		6791.0178	05	27	09	45	1335.78	+ .090	1396.090
Mount Hagen M		7390.0178	05	27	10	02	1335.29	+ .081	1395.569
Lae K		6791.0177	05	27	11	53	1653.595	+ .005	1728.145
Lae M		7390.0177	05	27	12	16	1654.23	— .008	1728.795
Mount Hagen K		6791.0178	05	27	14	34	1335.915	— .041	1396.100
Mount Hagen M		7390.0178	05	27	14	50	1335.40	— .040	1395.563
Mount Hagen K		6791.0178	05	28	08	47	1335.74	+ .122	1396.080
Mount Hagen M		7390.0178	05	28	09	14	1335.22	+ .124	1395.539
Laiagam J		6791.9029	05	28	10	39	1169.12	+ .098	1221.937
Laiagam L		7390.1029	05	28	10	58	1169.29	+ .088	1222.105

IGC Name	Station BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
		M	D	H	M			
Mount Hagen K	6791.0178	05	28	12	12	1335.83	+ .033	1396.085
Mount Hagen M	7390.0178	05	28	12	31	1335.34	+ .019	1395.559
Laiagam J	6791.9029	05	28	13	37	1169.24	— .026	1221.938
Laiagam L	7390.1029	05	28	14	07	1169.42	— .043	1222.109
Mount Hagen K	6791.0178	05	28	15	10	1335.93	— .059	1396.098
Mount Hagen M	7390.0178	05	28	15	55	1335.40	— .054	1395.549
Laiagam J	6791.9029	05	28	16	52	1169.255	— .029	1221.951
Laiagam L	7390.1029	05	28	17	04	1169.40	— .022	1222.109
Mount Hagen K	6791.0178	05	28	17	57	1335.87	+ .022	1396.116
Mount Hagen M	7390.0178	05	28	18	27	1335.33	+ .049	1395.579
Mount Hagen K	6791.0178	05	29	07	43	1335.84	+ .074	1396.137
Mount Hagen M	7390.0178	05	29	08	08	1335.30	+ .093	1395.592
Lae K	6791.0177	05	29	10	13	1653.495	+ .127	1728.162
Lae M	7390.0177	05	29	10	30	1654.11	+ .122	1728.800
Mount Hagen K	6791.0178	05	29	12	28	1335.84	+ .055	1396.118
Mount Hagen M	7390.0178	05	29	12	56	1335.35	+ .031	1395.582
Lae K	6791.0177	05	29	14	57	1653.67	— .068	1728.150
Lae M	7390.0177	05	29	15	25	1654.31	— .075	1728.812
Lae K	6791.0177	05	30	07	02	1653.60	— .001	1728.144
Lae M	7390.0177	05	30	07	32	1654.195	+ .027	1728.794
Port Moresby L	6791.0476	05	30	09	36	1846.21	+ .114	1929.563
Port Moresby T	7390.0176	05	30	10	10	1846.79	+ .122	1930.177
Lae K	6791.0177	05	30	12	37	1653.48	+ .075	1728.095
Lae M	7390.0177	05	30	12	59	1654.15	+ .054	1728.774
Port Moresby L	6791.0476	05	30	15	48	1846.39	— .089	1929.548
Port Moresby T	7390.0176	05	30	16	22	1846.98	— .094	1930.160
Port Moresby D	7090.0576	05	31	20	34	1850.26	+ .054	1933.736
Port Moresby T	7390.0176	05	31	21	37	1846.75	+ .127	1930.140
Port Moresby D	7090.0576	05	31	22	08	1850.17	+ .160	1933.748
Port Moresby T	7390.0176	05	31	22	37	1846.72	+ .182	1930.164
Port Moresby D	7090.0576	05	31	23	07	1850.13	+ .194	1933.740
Port Moresby T	7390.0176	05	31	23	43	1846.68	+ .199	1930.139
Port Moresby T	7390.0176	06	01	09	46	1846.73	+ .046	1930.039
Port Moresby U	7390.0276	06	01	10	05	1846.25	+ .065	1929.556
Port Moresby T	7390.0176	06	01	10	22	1846.70	+ .080	1930.041
Port Moresby U	7390.0276	06	01	10	37	1846.235	+ .089	1929.564
Port Moresby T	7390.0176	06	01	10	53	1846.69	+ .100	1930.051
Port Moresby U	7390.0276	06	01	11	05	1846.21	+ .107	1929.556
Port Moresby T	7390.0176	06	01	11	20	1846.68	+ .113	1930.053
Port Moresby L	6791.0476	06	02	07	27	1846.31	— .106	1929.448
Port Moresby T	7390.0176	06	02	07	55	1846.90	— .094	1930.076
Iron Range K	6600.0025	06	02	10	54	1973.81	+ .035	2062.843
Iron Range L	7390.1073	06	02	11	15	1973.505	+ .053	2062.542
Port Moresby T	7390.0176	06	02	14	57	1846.755	+ .056	1930.075
Iron Range K	6600.0025	06	02	18	14	1973.945	— .100	2062.849
Iron Range L	7390.1073	06	02	18	37	1973.63	— .104	2062.515
Iron Range K	6600.0025	06	03	06	43	1973.87	— .068	2062.802
Iron Range L	7390.1073	06	03	07	12	1973.595	— .085	2062.498
Cooktown L	7090.1072	06	03	09	32	2065.54	— .070	2158.609
Cooktown M	7390.1072	06	03	10	06	2065.70	— .048	2158.798
Iron Range K	6600.0025	06	03	12	06	1973.75	+ .052	2062.797
Iron Range L	7390.1073	06	03	12	46	1973.44	+ .077	2062.498
Cooktown L	7090.1072	06	03	15	13	2065.40	+ .057	2158.590
Cooktown M	7390.1072	06	03	15	44	2065.61	+ .037	2158.789

IGC Name	Station	BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
			M	D	H	M			
Cooktown L		7090.1072	06	04	07	06	2065.46	— .040	2158.556
Cooktown M		7390.1072	06	04	07	40	2065.68	— .064	2158.761
Townsville O		7090.0151	06	04	10	05	2239.015	— .070	2339.931
Townsville Q		7390.0151	06	04	10	34	2239.225	— .056	2340.165
Cooktown L		7090.1072	06	04	13	30	2065.375	+ .064	2158.571
Cooktown M		7390.1072	06	04	13	58	2065.54	+ .073	2158.752
Townsville O		7090.0151	06	04	16	42	2238.925	+ .017	2339.924
Townsville Q		7390.0151	06	04	17	06	2239.175	+ .005	2340.174
Townsville O		7090.0151	06	05	07	03	2238.955	+ .007	2339.946
Townsville Q		7390.0151	06	05	07	27	2239.185	— .012	2340.167
Cooktown L		7090.1072	06	05	10	00	2065.54	— .068	2158.611
Cooktown M		7390.1072	06	05	10	18	2065.71	— .066	2158.791
Townsville O		7090.0151	06	05	12	52	2238.96	+ .004	2339.948
Townsville Q		7390.0151	06	05	13	10	2239.175	+ .013	2340.182
Townsville O		7090.0151	06	06	07	32	2238.905	+ .024	2339.910
Townsville Q		7390.0151	06	06	07	55	2239.15	+ .007	2340.149
Mackay J		6491.0161	06	06	09	55	2344.11	— .058	2449.812
Mackay M		7390.0161	06	06	10	25	2344.005	— .062	2449.698
Townsville O		7090.0151	06	06	12	29	2238.945	— .030	2339.898
Townsville Q		7390.0151	06	06	12	47	2239.17	— .022	2340.141
Mackay J		6491.0161	06	06	15	12	2344.02	+ .046	2449.822
Mackay M		7390.0161	06	06	15	37	2343.915	+ .053	2449.719
Mackay J		6491.0161	06	07	07	12	2343.995	+ .057	2449.807
Mackay M		7390.0161	06	07	07	44	2343.90	+ .036	2449.686
Rockhampton K		6499.0149	06	07	09	38	2477.77	— .034	2589.571
Rockhampton M		7390.0149	06	07	09	59	2478.205	— .042	2590.017
Mackay J		6491.0161	06	07	11	49	2344.085	— .053	2449.791
Mackay M		7390.0161	06	07	12	12	2343.99	— .048	2449.696
Rockhampton K		6499.0149	06	07	14	06	2477.74	— .008	2589.565
Rockhampton M		7390.0149	06	07	14	41	2478.16	+ .009	2590.021
Rockhampton K		6499.0149	06	08	07	18	2477.68	+ .056	2589.567
Rockhampton M		7390.0149	06	08	07	46	2478.12	+ .044	2590.015
Brisbane R		7213.0147	06	08	10	43	2750.33	— .047	2874.553
Brisbane S		7390.0147	06	08	10	52	2750.675	— .051	2874.910
Rockhampton K		6499.0149	06	08	13	45	2477.75	— .035	2589.549
Rockhampton M		7390.0149	06	08	14	07	2478.175	— .027	2590.001
Brisbane R		7213.0147	06	08	17	05	2750.275	+ .053	2874.596
Brisbane S		7390.0147	06	08	17	15	2750.61	+ .056	2874.949
Brisbane S		7390.0147	06	09	09	42	2750.685	— .009	2874.962
Brisbane D		6091.0147	06	09	10	55	2759.435	— .037	2884.083
Brisbane N		6091.0247	06	09	11	50	2703.90	— .052	2826.001
Brisbane D		6091.0147	06	09	12	20	2759.445	— .056	2884.075
Brisbane N		6091.0247	06	09	12	47	2703.90	— .058	2825.995
Brisbane D		6091.0147	06	09	13	13	2759.455	— .057	2884.084
Brisbane N		6091.0247	06	09	13	41	2703.925	— .052	2826.027
Brisbane D		6091.0147	06	09	14	10	2759.50	— .044	2884.144
Brisbane S		7390.0147	06	09	14	59	2750.73	— .025	2874.993
Brisbane D		6091.0147	06	09	15	43	2759.435	— .004	2884.116
Brisbane S		7390.0147	06	09	16	35	2750.695	+ .026	2875.008
Brisbane D		6091.0147	06	09	17	36	2759.37	+ .059	2884.111
Brisbane S		7390.0147	06	09	19	28	2750.615	+ .093	2874.991
Brisbane T		7390.0247	06	09	19	49	2749.96	+ .095	2874.308
Brisbane S		7390.0147	06	09	20	06	2750.63	+ .095	2875.009
Brisbane T		7390.0247	06	09	20	22	2749.97	+ .095	2874.319
Brisbane S		7390.0147	06	09	20	36	2750.62	+ .093	2874.996
Brisbane T		7390.0247	06	09	20	49	2749.97	+ .090	2874.314
Brisbane S		7390.0149	06	09	21	04	2750.61	+ .086	2874.979

<i>IGC Name</i>	<i>Station</i> <i>BMR No.</i>	<i>Date and Time</i> <i>(EST)</i>				<i>Reading</i> <i>(Sc. Div.)</i>	<i>E.T. Corr.</i> <i>(mGal)</i>	<i>Corr'd</i> <i>Equiv.</i> <i>(mGal)</i>
		<i>M</i>	<i>D</i>	<i>H</i>	<i>M</i>			
Brisbane R	7213.0147	06	10	07	24	2750.33	+ .028	2874.628
Brisbane S	7390.0147	06	10	07	40	2750.665	+ .027	2874.977
Kempsey J	6491.9111	06	10	10	14	3004.67	— .017	3140.537
Kempsey L	7390.1111	06	10	10	46	3004.585	— .028	3140.437
Brisbane R	7213.0147	06	10	13	03	2750.415	— .059	2874.630
Brisbane S	7390.0147	06	10	13	14	2750.77	— .060	2875.000
Kempsey J	6491.9111	06	10	16	11	3004.635	— .014	3140.503
Kempsey L	7390.1111	06	10	16	51	3004.535	+ .012	3140.425
Kempsey J	6491.9111	06	11	07	32	3004.61	— .001	3140.490
Kempsey L	7390.1111	06	11	07	51	3004.55	+ .002	3140.430
Brisbane R	7213.0147	06	11	10	12	2750.44	+ .004	2874.719
Brisbane S	7390.0147	06	11	10	28	2750.795	— .001	2875.085
Kempsey J	6491.9111	06	11	13	05	3004.77	— .061	3140.597
Kempsey L	7390.1111	06	11	13	16	3004.71	— .063	3140.533
Kempsey J	6491.9111	06	12	07	24	3004.77	— .022	3140.636
Kempsey L	7390.1111	06	12	07	45	3004.69	— .016	3140.559
Sydney T	6891.0305	06	12	10	05	3265.365	— .012	3413.197
Sydney X	7390.0105	06	12	10	34	3265.865	— .015	3413.716
Kempsey J	6491.9111	06	12	13	05	3004.785	— .054	3140.620
Kempsey L	7390.1111	06	12	13	24	3004.71	— .060	3140.536
Sydney T	6891.0305	06	12	16	14	3265.40	— .054	3413.191
Sydney X	7390.0105	06	12	16	29	3265.88	— .047	3413.700
Sydney T	6891.0305	06	13	07	36	3265.41	— .048	3413.208
Sydney X	7390.0105	06	13	07	48	3265.89	— .044	3413.714
Canberra M	6893.0104	06	13	10	11	3190.02	— .019	3334.383
Canberra P	7390.0104	06	13	10	35	3190.60	— .018	3334.991
Sydney T	6891.0305	06	13	12	30	3265.32	— .038	3413.123
Sydney X	7390.0105	06	13	12	48	3265.83	— .044	3413.651
Canberra M	6893.0104	06	13	14	43	3190.12	— .075	3334.432
Canberra P	7390.0104	06	13	15	07	3190.68	— .078	3335.014
Sydney T	6891.0305	06	13	17	07	3265.40	— .050	3413.195
Sydney X	7390.0105	06	13	17	31	3265.88	— .036	3413.711
Canberra M	6893.0104	06	13	19	45	3189.96	+ .059	3334.398
Canberra P	7390.0104	06	13	20	05	3190.505	+ .074	3334.983
Canberra L	6491.0304	06	29	13	55	3185.89	— .077	3330.005
Canberra K	6491.0204	06	29	14	11	3133.71	— .082	3275.425
Canberra L	6491.0304	06	29	14	30	3185.93	— .090	3330.034
Canberra K	6491.0204	06	29	14	46	3133.70	— .095	3275.402
Canberra L	6491.0304	06	29	15	03	3185.95	— .100	3330.045
Canberra K	6491.0204	06	29	15	21	3133.73	— .102	3275.426
Canberra L	6491.0304	06	29	15	37	3185.95	— .104	3330.041

APPENDIX 4L G132 1973

IGC Name	Station BMR No.	Date and Time (EST)				Reading (Sec. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
		M	D	H	M			
Canberra L	6491.0304	04	26	14	02	3122.41	— .059	3298.954
Canberra K	6491.0204	04	26	14	23	3070.70	— .058	3244.212
Canberra L	6491.0304	04	26	14	43	3122.42	— .057	3298.966
Canberra K	6491.0204	04	26	15	00	3070.70	— .056	3244.214
Canberra L	6491.0304	04	26	15	21	3122.43	— .053	3298.981
Canberra K	6491.0204	04	26	15	39	3070.70	— .050	3244.220
Canberra L	6491.0304	04	26	15	58	3122.42	— .046	3298.977
Canberra P	7390.0104	05	03	08	15	3127.57	— .087	3304.389
Melbourne M	6491.0101	05	03	12	02	3448.81	— .011	3644.661
Melbourne W	7390.0101	05	03	12	47	3448.88	— .013	3644.733
Canberra M	6893.0104	05	03	15	10	3127.33	— .068	3304.154
Canberra P	7390.0104	05	03	15	52	3127.82	— .088	3304.652
Melbourne M	6491.0101	05	03	19	00	3448.79	— .081	3644.570
Melbourne W	7390.0101	05	03	19	52	3449.79	— .042	3645.668
Melbourne M	6491.0101	05	03	20	10	3449.74	— .026	3645.631
Melbourne W	7390.0101	05	03	20	23	3449.82	— .015	3645.727
Melbourne M	6491.0101	05	04	07	23	3449.85	— .099	3645.675
Melbourne W	7390.0101	05	04	08	20	3449.88	— .104	3645.701
Flinders Island L	6491.9140	05	04	10	18	3679.84	— .070	3889.360
Flinders Island K	7390.1140	05	04	11	00	3679.57	— .057	3889.087
Melbourne M	6491.0101	05	04	13	15	3450.36	— .025	3646.289
Melbourne W	7390.0101	05	04	13	57	3450.41	— .031	3646.336
Flinders Island L	6491.9140	05	04	16	32	3680.35	— .097	3889.874
Flinders Island K	7390.1140	05	04	16	52	3680.14	— .102	3889.646
Flinders Island L	6491.9140	05	04	17	05	3680.37	— .104	3889.888
Flinders Island K	7390.1140	05	04	17	17	3680.15	— .107	3889.652
Flinders Island L	6491.9140	05	05	07	48	3680.34	— .084	3889.876
Flinders Island K	7390.1140	05	05	08	29	3680.15	— .095	3889.664
Hobart K	6491.0160	05	05	10	20	3911.39	— .089	4134.719
Hobart P	7390.0160	05	05	11	02	3911.68	— .079	4135.037
Flinders Island L	6491.9140	05	05	13	45	3680.60	— .046	3890.190
Flinders Island K	7390.1140	05	05	13	58	3680.370	— .047	3889.945
Hobart K	6491.0160	05	05	16	16	3912.150	— .087	4135.527
Hobart P	7390.0160	05	05	16	34	3912.470	— .091	4135.862
Hobart K	6491.0160	05	05	16	50	3912.160	— .094	4135.531
Hobart P	7390.0160	05	05	17	03	3912.470	— .098	4135.855
Hobart K	6491.0160	05	06	15	35	3912.130	— .067	4135.526
Hobart Q	7390.0260	05	06	15	58	3910.960	— .070	4134.283
Hobart K	6491.0160	05	06	16	17	3912.150	— .074	4135.540
Hobart Q	7390.0260	05	06	16	38	3910.950	— .078	4134.264
Hobart K	6491.0160	05	06	16	46	3912.160	— .079	4135.546
Hobart K	6491.0160	05	07	07	53	3912.120	— .017	4135.565
Hobart P	7390.0160	05	07	08	08	3912.430	— .026	4135.885
Flinders Island L	6491.9140	05	07	10	55	3681.480	— .080	3891.088
Flinders Island K	7390.1140	05	07	11	12	3681.280	— .080	3890.876
Hobart K	6491.0160	05	07	13	27	3912.320	— .073	4135.721
Hobart P	7390.0160	05	07	13	48	3912.620	— .070	4136.042
Flinders Island L	6491.9140	05	07	16	23	3681.590	— .052	3891.233
Flinders Island K	7390.1140	05	07	16	46	3681.360	— .054	3890.987

<i>IGC Name</i>	<i>Station BMR No.</i>	<i>Date and Time (EST)</i>				<i>Reading (Sc. Div.)</i>	<i>E.T. Corr. (mGal)</i>	<i>Corr'd Equiv. (mGal)</i>
		<i>M</i>	<i>D</i>	<i>H</i>	<i>M</i>			
Flinders Island L	6491.9140	05	08	07	30	3681.530	+ .034	3891.255
Flinders Island K	7390.1140	05	08	07	48	3681.290	+ .023	3890.990
Hobart K	6491.0160	05	08	10	07	3912.760	— .052	4136.208
Hobart P	7390.0160	05	08	10	30	3913.080	— .060	4136.540
Flinders Island L	6491.9140	05	08	13	00	3682.120	— .075	3891.771
Flinders Island K	7390.1140	05	08	13	25	3681.940	— .072	3891.584
Flinders Island L	6491.9140	05	09	07	20	3682.01	+ .054	3891.784
Flinders Island K	7390.1140	05	09	07	38	3681.80	+ .047	3891.554
Melbourne M	6491.0101	05	09	10	05	3452.24	— .018	3648.287
Melbourne W	7390.0101	05	09	10	25	3452.29	— .028	3648.330
Flinders Island L	6491.9140	05	09	12	42	3682.25	— .075	3891.909
Flinders Island K	7390.1140	05	09	13	03	3682.04	— .076	3891.685
Melbourne M	6491.0101	05	09	15	47	3452.58	— .048	3648.617
Melbourne W	7390.0101	05	09	16	10	3452.63	— .042	3648.676
Melbourne M	6491.0101	05	09	16	40	3452.58	— .034	3648.631
Melbourne V	7213.0101	05	09	17	33	3437.78	— .020	3632.968
Melbourne M	6491.0101	05	09	18	08	3452.59	— .014	3648.662
Melbourne M	6491.0101	05	10	07	26	3452.51	+ .060	3648.651
Melbourne W	7390.0101	05	10	07	40	3452.55	+ .058	3648.692
Canberra M	6893.0104	05	10	10	35	3131.04	— .016	3308.134
Canberra P	7390.0104	05	10	10	53	3131.63	— .025	3308.749
Melbourne M	6491.0101	05	10	14	15	3452.77	— .073	3648.794
Melbourne W	7390.0101	05	10	14	28	3452.82	— .072	3648.848
Canberra M	6893.0104	05	10	17	37	3130.85	— .001	3307.947
Canberra P	7390.0104	05	10	17	52	3131.41	+ .004	3308.545
Canberra M	6893.0104	05	11	07	43	3130.65	+ .052	3307.789
Canberra P	7390.0104	05	11	07	58	3131.30	+ .051	3308.476
Melbourne M	6491.0101	05	11	11	11	3452.73	— .014	3648.810
Melbourne W	7390.0101	05	11	11	38	3452.80	— .027	3648.871
Canberra M	6893.0104	05	11	14	07	3131.29	— .072	3308.342
Canberra P	7390.0104	05	11	14	28	3131.81	— .072	3308.893
Canberra M	6893.0104	05	12	07	28	3131.20	+ .029	3308.348
Canberra P	7390.0104	05	12	07	47	3131.72	+ .033	3308.903
Sydney T	6891.0305	05	12	10	24	3205.95	+ .017	3387.479
Sydney X	7390.0105	05	12	10	39	3206.45	+ .010	3388.001
Canberra M	6893.0104	05	12	12	30	3131.40	— .040	3308.491
Canberra P	7390.0104	05	12	13	05	3131.97	— .055	3309.079
Sydney T	6891.0305	05	12	14	48	3206.85	— .073	3388.342
Sydney X	7390.0105	05	12	15	11	3207.35	— .070	3388.874
Canberra M	6893.0104	05	12	17	15	3132.21	— .025	3309.363
Canberra P	7390.0104	05	12	17	33	3132.75	— .014	3309.946
Sydney T	6891.0305	05	12	19	22	3206.71	+ .061	3388.328
Sydney X	7390.0105	05	12	19	42	3207.19	+ .071	3388.846
Sydney A	5099.9905	05	13	10	37	3193.71	+ .018	3374.519
Sydney V	6891.0105	05	13	11	34	3206.01	— .004	3387.521
Sydney X	7390.0105	05	13	12	09	3207.25	— .020	3388.818
Sydney A	5099.9905	05	13	13	12	3193.81	— .050	3374.557
Sydney V	6891.0105	05	13	13	58	3206.08	— .066	3387.533
Sydney X	7390.0105	05	13	14	43	3207.35	— .076	3388.868
Sydney A	5099.9905	05	13	15	37	3193.82	— .074	3374.544
Sydney V	6891.0105	05	13	16	28	3206.11	— .060	3387.571
Sydney X	7390.0105	05	13	17	00	3207.30	— .043	3388.848
Sydney A	5099.9905	05	13	17	54	3193.80	— .008	3374.589

IGC Name	Station BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
		M	D	H	M			
Sydney T	6891.0305	05	14	09	43	3206.76	+ .020	3388.340
Sydney X	7390.0105	05	14	10	05	3207.25	+ .021	3388.859
Sydney U	7090.0105	05	14	10	35	3204.07	+ .018	3385.489
Sydney T	6891.0305	05	14	11	14	3206.78	+ .010	3388.351
Sydney X	7390.0105	05	14	11	28	3207.28	— .006	3388.864
Sydney U	7090.0105	05	14	12	22	3204.11	— .017	3385.496
Sydney T	6891.0305	05	14	13	11	3206.82	— .040	3388.343
Sydney X	7390.0105	05	14	13	30	3207.32	— .049	3388.864
Sydney U	7090.0105	05	14	14	02	3204.17	— .062	3385.515
Sydney T	6891.0305	05	14	14	34	3206.85	— .073	3388.342
Sydney T	6891.0305	05	16	07	35	3206.87	— .064	3388.372
Sydney X	7390.0105	05	16	07	48	3207.36	— .059	3388.896
Kempsey J	6491.1111	05	16	10	14	2948.83	+ .011	3115.281
Kempsey L	7390.1111	05	16	10	31	2948.76	+ .015	3115.211
Sydney U	6891.0305	05	16	12	40	3206.95	— .011	3388.510
Sydney X	7390.0105	05	16	13	10	3207.43	— .022	3389.007
Kempsey J	6491.1111	05	16	15	20	2948.95	— .074	3115.323
Kempsey L	7390.1111	05	16	15	55	2948.90	— .083	3115.261
Kempsey J	6491.1111	05	17	07	15	2949.00	— .080	3115.370
Kempsey L	7390.1111	05	17	07	41	2948.91	— .072	3115.282
Brisbane R	7213.0147	05	17	10	02	2697.15	+ .005	2848.954
Brisbane S	7390.0147	05	17	10	32	2697.47	+ .016	2849.304
Kempsey J	6491.1111	05	17	12	58	2949.00	— .003	3115.447
Kempsey L	7390.1111	05	17	13	16	2948.94	— .009	3115.377
Brisbane R	7213.0147	05	17	15	36	2697.18	— .068	2848.913
Brisbane S	7390.0147	05	17	16	14	2697.55	— .082	2849.290
Brisbane R	7213.0147	05	18	07	00	2697.27	— .084	2848.992
Brisbane S	7390.0147	05	18	07	25	2697.57	— .081	2849.312
Rockhampton K	6499.0149	05	18	10	03	2427.15	— .005	2563.364
Rockhampton M	7390.0149	05	18	19	28	2427.58	+ .008	2563.831
Brisbane R	7213.0147	05	18	13	28	2697.37	+ .004	2849.186
Brisbane S	7390.0147	05	18	13	43	2697.72	— .001	2849.551
Rockhampton K	6499.0149	05	18	16	30	2427.34	— .068	2563.502
Rockhampton M	7390.0149	05	18	17	05	2427.76	— .080	2563.934
Rockhampton K	6499.0149	05	19	06	57	2427.37	— .077	2563.524
Rockhampton M	7390.0149	05	19	07	26	2427.80	— .079	2563.977
Mackay J	6491.0161	05	19	09	26	2294.88	— .041	2423.468
Mackay M	7390.0161	05	19	09	52	2294.77	— .027	2423.366
Rockhampton K	6499.0149	05	19	11	47	2427.38	+ .022	2563.634
Rockhampton M	7390.0149	05	19	12	20	2427.80	+ .030	2564.086
Rockhampton K	6499.0149	05	20	07	23	2427.47	— .067	2563.640
Rockhampton M	7390.0149	05	20	07	58	2427.88	— .072	2564.069
Mackay J	6491.0161	05	20	09	38	2295.01	— .049	2423.598
Mackay M	7390.0161	05	20	10	07	2294.93	— .035	2423.527
Rockhampton K	6499.0149	05	20	12	03	2427.45	+ .013	2563.699
Rockhampton M	7390.0149	05	20	12	28	2427.87	+ .019	2564.149
Mackay J	6491.0161	05	20	14	26	2295.01	+ .028	2423.675
Mackay M	7390.0161	05	20	15	02	2294.90	+ .016	2423.546
Mackay J	6491.0161	05	21	07	11	2295.08	— .040	2423.681
Mackay M	7390.0161	05	21	07	40	2294.99	— .052	2423.573
Townsville O	7090.0151	05	21	10	08	2190.93	— .046	2313.567
Townsville Q	7390.0151	05	21	10	31	2191.13	— .037	2313.788
Mackay J	6491.0161	05	21	12	43	2295.06	+ .016	2423.715
Mackay M	7390.0161	05	21	13	07	2294.97	+ .024	2423.628
Townsville O	7090.0151	05	21	15	21	2190.88	+ .030	2313.590
Townsville Q	7390.0151	05	21	15	48	2191.13	+ .021	2313.846

IGC Name	Station BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
		M	D	H	M			
Townsville O	7090.0151	05	23	07	04	2190.890	+ .028	2313.599
Townsville Q	7390.0151	05	23	07	25	2191.150	+ .015	2313.861
Cooktown L	7090.1072	05	23	09	46	2019.125	— .038	2131.975
Cooktown M	7390.1072	05	23	10	30	2019.305	— .039	2132.164
Townsville O	7090.0151	05	23	13	21	2191.045	— .001	2313.734
Townsville Q	7390.0151	05	23	13	46	2191.260	+ .008	2313.970
Cooktown L	7090.1072	05	23	16	20	2019.030	+ .047	2131.960
Cooktown M	7390.1072	05	23	17	02	2019.225	+ .044	2132.163
Cooktown L	7090.1072	05	24	07	21	2019.025	+ .051	2131.958
Cooktown M	7390.1072	05	24	07	56	2019.230	+ .033	2132.157
Iron Range K	6600.0025	05	25	10	09	1928.280	— .020	2035.985
Iron Range L	7390.1073	05	24	10	30	1927.960	— .025	2035.642
Cooktown L	7090.1072	05	24	13	06	2019.095	— .016	2131.965
Cooktown M	7390.1072	05	24	13	43	2019.290	— .005	2132.182
Iron Range K	6600.0025	05	24	16	15	1928.200	+ .052	2035.973
Iron Range L	7390.1073	05	24	16	48	1927.905	+ .058	2035.667
Iron Range K	6600.0025	05	24	17	00	1928.195	+ .060	2035.975
Iron Range L	7390.1073	05	24	17	13	1927.900	+ .061	2035.665
Port Moresby T	7390.0176	05	25	11	04	1796.360	— .017	1896.591
Iron Range K	6600.0025	05	25	14	33	1922.230	— .006	2029.606
Iron Range L	7390.1073	05	25	14	55	1921.935	+ .004	2029.304
Port Moresby L	7390.0176	05	25	18	37	1796.190	+ .085	1896.514
Port Moresby T	6791.0476	05	25	19	13	1795.580	+ .082	1895.866
Port Moresby L	7390.0176	05	25	19	49	1796.190	+ .076	1896.505
Port Moresby T	6791.0476	05	25	20	06	1795.625	+ .071	1895.903
Port Moresby Q	7090.0176	05	25	21	15	1804.135	+ .046	1904.869
Port Moresby V	7390.0376	05	25	21	55	1754.590	+ .030	1852.507
Port Moresby Q	7090.0176	05	25	22	34	1804.170	+ .016	1904.876
Port Moresby V	7390.0376	05	25	23	03	1754.630	+ .007	1852.526
Port Moresby Q	7090.0176	05	25	23	36	1804.185	— .002	1904.874
Port Moresby L	6791.0476	05	26	07	12	1795.510	+ .097	1895.807
Port Moresby T	7390.0176	05	26	07	49	1796.145	+ .092	1896.473
Lae K	6791.0177	05	26	10	10	1604.555	+ .034	1694.006
Lae M	7390.0177	05	26	10	33	1605.200	+ .022	1694.675
Port Moresby L	6791.0476	05	26	12	40	1795.650	— .031	1895.827
Port Moresby T	7390.0176	05	26	13	02	1796.260	— .033	1896.470
Lae K	6791.0177	05	26	15	57	1604.570	+ .021	1694.009
Lae M	7390.0177	05	26	16	24	1605.160	+ .036	1694.647
Lae K	6791.0177	05	27	07	00	1604.460	+ .102	1693.974
Lae M	7390.0177	05	27	07	25	1605.060	+ .107	1694.612
Mount Hagen K	6791.0178	05	27	09	36	1289.400	+ .093	1361.208
Mount Hagen M	7390.0178	05	27	09	54	1288.890	+ .085	1360.662
Lae K	6791.0177	05	27	11	43	1604.635	+ .011	1694.067
Lae M	7390.0177	05	27	12	10	1605.230	— .005	1694.680
Mount Hagen K	6791.0178	05	27	14	22	1289.650	— .042	1361.337
Mount Hagen M	7390.0177	05	27	14	44	1289.155	— .041	1360.815
Mount Hagen K	6791.0178	05	28	08	43	1289.470	+ .121	1361.310
Mount Hagen M	7390.0178	05	28	09	10	1288.970	+ .124	1360.785
Laiagam J	6791.9029	05	28	10	30	1124.190	+ .103	1186.774
Laiagam K	7390.1029	05	28	10	55	1124.360	+ .090	1186.940
Mount Hagen K	6791.0178	05	28	12	05	1289.580	+ .038	1361.343
Mount Hagen M	7390.0178	05	28	12	28	1289.090	— .003	1360.785
Laiagam J	6791.9029	05	28	13	33	1124.290	— .024	1186.752
Laiagam L	7390.1029	05	28	14	09	1124.470	— .045	1186.921

IGC Name	Station	BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
			M	D	H	M			
Mount Hagen K		6791.0178	05	28	15	03	1289.660	— .059	1361.331
Mount Hagen M		7390.0178	05	28	15	49	1289.140	— .055	1360.785
Laiagam J		6791.9029	05	28	16	45	1124.300	— .033	1186.754
Laiagam L		7390.1029	05	28	17	00	1124.460	— .024	1186.932
Mount Hagen K		6791.0178	05	28	17	52	1289.595	+ .018	1361.339
Mount Hagen M		7390.0178	05	28	18	21	1289.110	+ .043	1360.852
Mount Hagen K		6791.0178	05	29	07	36	1289.510	+ .069	1361.300
Mount Hagen M		7390.0178	05	29	08	04	1289.010	+ .091	1360.794
Lae K		6791.0177	05	29	10	05	1604.600	+ .128	1694.147
Lae M		7390.0177	05	29	10	26	1605.230	+ .123	1694.808
Mount Hagen K		6791.0178	05	29	12	19	1289.585	+ .063	1361.373
Mount Hagen M		7390.0178	05	29	12	52	1289.095	+ .034	1360.827
Lae K		6791.0177	05	29	14	47	1604.815	— .065	1694.182
Lae M		7390.0177	05	29	15	20	1605.420	— .074	1694.812
Lae K		6791.0177	05	30	06	52	1604.760	— .010	1694.179
Lae M		7390.0177	05	30	07	26	1605.330	+ .022	1694.813
Port Moresby L		6791.0476	05	30	09	25	1795.745	+ .110	1896.068
Port Moresby T		7390.0176	05	30	10	06	1796.350	+ .122	1896.720
Lae K		6791.0177	05	30	12	30	1604.885	+ .081	1694.402
Lae M		7390.0177	05	30	12	53	1605.500	+ .060	1695.030
Port Moresby L		6791.0476	05	30	15	40	1796.020	— .086	1896.163
Port Moresby T		7390.0176	05	30	16	18	1796.650	— .094	1896.821
Port Moresby D		7090.0576	05	31	20	30	1799.930	+ .050	1900.430
Port Moresby T		7390.0176	05	31	21	38	1796.440	+ .128	1896.821
Port Moresby D		7090.0576	05	31	22	10	1799.825	+ .163	1900.432
Port Moresby T		7390.0176	05	31	22	40	1796.385	+ .184	1896.819
Port Moresby D		7090.0576	05	31	23	10	1799.800	+ .195	1900.438
Port Moresby T		7390.0176	05	31	23	44	1796.370	+ .199	1896.818
Port Moresby T		7390.0176	06	01	09	35	1796.475	+ .035	1896.765
Port Moresby U		7390.0276	06	01	09	55	1796.005	+ .057	1896.290
Port Moresby T		7390.0176	06	01	10	13	1796.460	+ .072	1896.786
Port Moresby U		7390.0276	06	01	10	27	1795.975	+ .084	1896.285
Port Moresby T		7390.0176	06	01	10	44	1796.435	+ .096	1896.783
Port Moresby U		7390.0276	06	01	10	57	1795.955	+ .104	1896.284
Port Moresby T		7390.0176	06	01	11	10	1796.410	+ .109	1896.770
Port Moresby L		6791.0476	06	02	07	18	1795.990	— .108	1896.109
Port Moresby T		7390.0176	06	02	07	55	1796.595	— .093	1896.764
Iron Range K		6600.0025	06	02	10	53	1922.470	+ .033	2029.898
Iron Range L		7390.1073	06	02	11	19	1922.140	+ .056	2029.573
Port Moresby T		7390.0176	06	02	14	59	1796.470	+ .053	1896.777
Iron Range K		6600.0025	06	02	18	09	1922.550	— .097	2029.853
Iron Range L		7390.1073	06	02	18	35	1922.260	— .103	2029.540
Iron Range K		6600.0025	06	03	06	38	1922.505	— .064	2029.838
Iron Range L		7390.1073	06	03	07	07	1922.240	— .083	2029.539
Cooktown L		7090.1072	06	03	09	25	2013.400	— .073	2125.889
Cooktown M		7390.1072	06	03	10	03	2013.580	— .050	2126.102
Iron Range K		6600.0025	06	03	12	03	1922.460	+ .050	2029.905
Iron Range L		7390.1073	06	03	12	40	1922.140	+ .075	2029.592
Cooktown L		7090.1072	06	03	15	07	2013.270	+ .060	2125.885
Cooktown M		7390.1072	06	03	15	20	2013.510	+ .052	2126.130

IGC Name	Station BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
		M	D	H	M			
Cooktown L	7090.1072	06	04	07	00	2013.380	— .036	2125.905
Cooktown M	7390.1072	06	04	07	39	2013.590	— .063	2126.100
Townsville O	7090.0151	06	04	10	03	2185.370	— .071	2307.665
Townsville Q	7390.0151	06	04	10	33	2185.595	— .057	2307.917
Cooktown L	7090.1072	06	04	13	24	2013.290	+ .061	2125.907
Cooktown M	7390.1072	06	04	13	56	2013.460	+ .072	2126.097
Townsville O	7090.0151	06	04	16	30	2185.290	+ .024	2307.675
Townsville Q	7390.0151	06	04	17	00	2185.530	+ .008	2307.913
Townsville O	7090.0151	06	05	07	00	2185.300	+ .009	2307.671
Townsville Q	7390.0151	06	05	07	25	2185.550	— .011	2307.915
Cooktown L	7090.1072	06	05	09	55	2013.500	— .068	2126.000
Cooktown M	7390.1072	06	05	10	77	2013.690	— .066	2126.203
Townsville O	7090.0151	06	05	12	44	2185.430	— .001	2307.798
Townsville Q	7390.0151	06	05	13	10	2185.640	— .014	2308.035
Townsville O	7090.0151	06	06	07	14	2185.365	+ .037	2307.768
Townsville Q	7390.0151	06	06	07	52	2185.630	+ .009	2308.020
Mackay J	6491.0161	06	06	09	50	2289.600	— .057	2417.870
Mackay M	7390.0161	06	06	10	21	2289.480	— .061	2417.739
Townsville O	7090.0151	06	06	12	25	2185.450	— .032	2307.788
Townsville Q	7390.0151	06	06	12	45	2185.650	— .023	2308.009
Mackay J	6491.0161	06	06	15	03	2289.605	+ .043	2417.975
Mackay M	7390.0161	06	06	15	33	2289.500	+ .053	2417.874
Mackay J	6491.0161	06	07	07	03	2289.585	+ .060	2417.971
Mackay M	7390.0161	06	07	07	38	2289.530	+ .040	2417.893
Rockhampton K	6499.0149	06	07	09	33	2422.165	— .032	2558.065
Rockhampton M	7390.0149	06	07	09	55	2422.600	— .040	2558.517
Mackay J	6491.0161	06	07	11	43	2289.680	— .053	2417.959
Mackay M	7390.0161	06	07	12	07	2289.590	— .050	2417.866
Rockhampton K	6499.0149	06	07	14	00	2422.150	— .010	2558.071
Rockhampton M	7390.0149	06	07	14	36	2422.560	+ .007	2558.522
Rockhampton K	6499.0149	06	08	07	12	2422.080	+ .058	2558.065
Rockhampton M	7390.0149	06	08	07	43	2422.520	+ .046	2558.518
Brisbane R	7213.0147	06	08	10	35	2692.305	— .045	2843.779
Brisbane S	7390.0147	06	08	10	50	2692.655	— .050	2844.144
Rockhampton K	6499.0149	06	08	13	40	2422.240	— .036	2558.140
Rockhampton M	7390.0149	06	08	14	05	2422.660	— .028	2558.592
Brisbane R	7213.0147	06	08	17	00	2692.300	+ .051	2843.870
Brisbane S	7390.0147	06	08	17	14	2692.650	+ .056	2844.245
Brisbane S	7390.0147	06	09	09	37	2692.705	— .007	2844.240
Brisbane D	6091.0147	06	09	10	48	2701.370	— .034	2853.380
Brisbane N	6091.0247	06	09	11	45	2646.360	— .051	2795.170
Brisbane D	6091.0147	06	09	12	15	2701.400	— .056	2853.389
Brisbane N	6091.0247	06	09	12	42	2646.360	— .058	2795.163
Brisbane D	6091.0147	06	09	13	08	2701.405	— .057	2853.394
Brisbane N	6091.0247	06	09	13	36	2646.375	— .053	2795.184
Brisbane D	6091.0147	06	09	14	05	2701.400	— .046	2853.399
Brisbane S	7390.0147	06	09	14	56	2692.760	— .027	2844.278
Brisbane D	6091.0147	06	09	15	39	2701.370	— .006	2853.408
Brisbane S	7390.0147	06	09	16	30	2692.690	+ .023	2844.254
Brisbane D	6091.0147	06	09	17	30	2701.305	+ .056	2853.401
Brisbane S	7390.0147	06	09	18	24	2692.640	+ .079	2844.257
Brisbane T	7390.0247	06	09	19	46	2691.970	+ .095	2843.564
Brisbane S	7390.0147	06	09	20	05	2692.620	+ .095	2844.252

IGC Name	Station	BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
			M	D	H	M			
Brisbane T		7390.0247	06	09	20	20	2691.980	+ .094	2843.574
Brisbane S		7390.0147	06	09	20	33	2692.645	+ .093	2844.277
Brisbane T		7390.0247	06	09	20	45	2691.980	+ .091	2843.571
Brisbane S		7390.0147	06	09	21	00	2692.640	+ .087	2844.265
Brisbane R		7213.0147	06	10	07	17	2692.350	+ .027	2843.898
Brisbane S		7390.0147	06	10	07	34	2692.700	+ .028	2844.270
Kempsey J		6491.9111	06	10	10	06	2944.245	— .014	3110.403
Kempsey L		7390.1111	06	10	10	40	2944.200	— .026	3110.343
Brisbane R		7213.0147	06	10	12	56	2692.470	— .059	2843.939
Brisbane S		7390.0147	06	10	13	09	2692.825	— .060	2844.314
Kempsey J		6491.9111	06	10	16	04	2944.420	— .017	3110.585
Kempsey L		7390.1111	06	10	16	44	2944.310	+ .007	3110.493
Kempsey J		6491.9111	06	11	07	28	2944.390	— .001	3110.569
Kempsey L		7390.1111	06	11	07	45	2944.310	+ .001	3110.487
Brisbane R		7213.0147	06	11	10	05	2692.670	+ .006	2844.216
Brisbane S		7390.0147	06	11	10	24	2693.030	+ .000	2844.591
Kempsey J		6491.9111	06	11	13	00	2944.580	— .060	3110.711
Kempsey L		7390.1111	06	11	13	10	2944.520	— .062	3110.646
Kempsey J		6491.9111	06	12	07	20	2944.560	— .023	3110.727
Kempsey L		7390.1111	06	12	07	40	2944.480	— .017	3110.649
Sydney T		6891.0305	06	12	10	06	3202.665	— .012	3383.971
Sydney X		7390.0105	06	12	10	26	3203.170	— .014	3384.504
Kempsey J		6491.9111	06	12	13	00	2944.700	— .053	3110.845
Kempsey L		7390.1111	06	12	13	21	2944.640	— .059	3110.776
Sydney T		6891.0305	06	12	16	04	3202.915	— .059	3384.189
Sydney X		7390.0105	06	12	16	25	3203.400	— .049	3384.712
Sydney T		6891.0305	06	13	07	29	3202.920	— .050	3384.203
Sydney X		7390.0105	06	13	07	44	3203.410	— .045	3384.727
Canberra M		6893.0104	06	13	10	00	3128.330	— .020	3305.260
Canberra P		7390.0104	06	13	10	28	3128.870	— .018	3305.834
Sydney T		6891.0305	06	13	12	22	3202.830	— .036	3384.122
Sydney X		7390.0105	06	13	12	42	3203.340	— .042	3384.656
Canberra M		6893.0104	06	13	14	36	3128.330	— .074	3305.206
Canberra P		7390.0104	06	13	15	04	3128.870	— .077	3305.775
Sydney T		6891.0305	06	13	17	00	3203.480	— .053	3384.793
Sydney X		7390.0105	06	13	17	25	3203.940	— .039	3385.294
Canberra M		6893.0104	06	13	19	39	3128.770	+ .054	3305.800
Canberra P		7390.0104	06	13	20	00	3129.350	+ .071	3306.431

APPENDIX 4M G252 1973

<i>IGC Name</i>	<i>Station</i> <i>BMR No.</i>	<i>Date and Time</i> <i>(EST)</i>				<i>Reading</i> <i>(Sc. Div.)</i>	<i>E.T. Corr.</i> <i>(mGal)</i>	<i>Corr'd</i> <i>Equiv.</i> <i>(mGal)</i>
		<i>M</i>	<i>D</i>	<i>H</i>	<i>M</i>			
Canberra L	6491.0304	03	07	14	05	3161.42	+ .057	3323.510
Canberra K	6491.0204	03	07	14	21	3109.32	+ .050	3268.727
Canberra L	6491.0304	03	07	14	35	3161.40	+ .044	3323.476
Canberra K	6491.0204	03	07	14	49	3109.35	+ .037	3268.745
Canberra L	6491.0304	03	07	15	03	3161.44	+ .030	3323.504
Canberra K	6491.0204	03	07	15	29	3109.37	+ .012	3268.741
Canberra L	6491.0304	03	07	15	44	3161.46	+ .002	3323.497
Canberra P	7390.0104	05	03	08	21	3167.98	— .083	3330.267
Melbourne M	6491.0101	05	03	12	11	3491.24	— .011	3670.212
Melbourne W	7390.0101	05	03	12	52	3491.28	— .013	3670.252
Canberra M	6893.0104	05	03	15	21	3167.40	— .073	3329.667
Canberra P	7390.0104	05	03	15	57	3167.99	— .091	3330.270
Melbourne M	6491.0101	05	03	19	15	3491.32	— .072	3670.235
Melbourne W	7390.0101	05	03	20	03	3491.34	— .032	3670.296
Melbourne M	6491.0101	05	03	20	18	3491.27	— .018	3670.236
Melbourne W	7390.0101	05	03	20	28	3491.32	— .008	3670.299
Melbourne M	6491.0101	05	04	07	28	3491.33	— .100	3670.217
Melbourne W	7390.0101	05	04	08	24	3491.37	— .104	3670.255
Flinders Island L	6491.9140	05	04	10	28	3722.86	— .068	3913.700
Flinders Island K	7390.1140	05	04	11	05	3722.61	— .055	3913.450
Melbourne M	6491.0101	05	04	13	23	3491.21	— .025	3670.166
Melbourne W	7390.0101	05	04	14	02	3491.26	— .033	3670.211
Flinders Island L	6491.9140	05	04	16	42	3722.88	— .100	3913.689
Flinders Island K	7390.1140	05	04	16	58	3722.67	— .103	3913.465
Flinders Island L	6491.9140	05	04	17	10	3722.87	— .105	3913.673
Flinders Island K	7390.1140	05	04	17	22	3722.67	— .107	3913.461
Flinders Island L	6491.9140	05	05	07	55	3722.81	— .087	3913.628
Flinders Island K	7390.1140	05	05	08	33	3722.64	— .095	3913.442
Hobart K	6491.0160	05	05	10	30	3955.33	— .087	4158.137
Hobart P	7390.0160	05	05	11	05	3955.62	— .079	4158.450
Flinders Island L	6491.9140	05	05	13	52	3722.82	— .046	3913.680
Flinders Island K	7390.1140	05	05	14	02	3722.60	— .047	3913.448
Hobart K	6491.0160	05	05	16	25	3955.36	— .089	4158.166
Hobart P	7390.0160	05	05	16	38	3955.68	— .092	4158.500
Hobart K	6491.0160	05	05	16	55	3955.37	— .095	4158.171
Hobart P	7390.0160	05	05	17	07	3955.66	— .098	4158.473
Hobart K	6491.0160	05	06	15	40	3955.26	— .068	4158.082
Hobart Q	7390.0260	05	06	16	03	3954.09	— .071	4156.849
Hobart K	6491.0160	05	06	16	23	3955.27	— .075	4158.086
Hobart Q	7390.0260	05	06	16	42	3954.07	— .078	4156.821
Hobart K	6491.0160	05	06	16	48	3955.29	— .080	4158.102
Hobart K	6491.0160	05	07	07	57	3955.20	— .020	4158.067
Hobart P	7390.0160	05	07	08	11	3955.53	— .028	4158.406
Flinders Island L	6491.9140	05	07	11	08	3722.78	— .080	3913.604
Flinders Island K	7390.1140	05	07	11	16	3722.57	— .080	3913.383
Hobart K	6491.0160	05	07	13	32	3955.30	— .072	4158.120
Hobart P	7390.0160	05	07	13	53	3955.61	— .069	4158.449
Flinders Island L	6491.9140	05	07	16	33	3722.81	— .053	3913.662
Flinders Island K	7390.1140	05	07	16	53	3722.60	— .055	3913.440

<i>IGC Name</i>	<i>Station BMR No.</i>	<i>Date and Time (EST)</i>				<i>Reading (Sc. Div.)</i>	<i>E.T. Corr. (mGal)</i>	<i>Corr'd Equiv. (mGal)</i>
		<i>M</i>	<i>D</i>	<i>H</i>	<i>M</i>			
Flinders Island L	6491.9140	05	08	07	35	3722.74	+ .031	3913.673
Flinders Island K	7390.1140	05	08	07	54	3722.54	+ .019	3913.450
Hobart K	6491.0160	05	08	10	15	3955.34	— .059	4158.175
Hobart P	7390.0160	05	08	10	36	3955.67	— .065	4158.516
Flinders Island L	6491.9140	05	08	13	06	3722.89	— .074	3913.726
Flinders Island K	7390.1140	05	08	13	30	3722.67	— .071	3913.497
Flinders Island L	6491.9140	05	09	07	23	3722.75	+ .053	3913.705
Flinders Island K	7390.1140	05	09	07	44	3722.55	+ .044	3913.486
Melbourne M	6491.0101	05	09	10	12	3491.27	— .021	3670.233
Melbourne W	7390.0101	05	09	10	30	3491.33	— .030	3670.287
Flinders Island L	6491.9140	05	09	12	47	3722.93	— .076	3913.766
Flinders Island K	7390.1140	05	09	13	06	3722.70	— .077	3913.523
Melbourne M	6491.0101	05	09	15	55	3491.32	— .047	3670.260
Melbourne W	7390.0101	05	09	16	15	3491.37	— .041	3670.318
Melbourne M	6491.0101	05	09	16	45	3491.32	— .032	3670.275
Melbourne V	7213.0101	05	09	17	38	3476.42	— .019	3654.622
Melbourne M	6491.0101	05	09	18	12	3491.31	— .013	3670.283
Melbourne M	6491.0101	05	10	07	30	3491.23	+ .060	3670.272
Melbourne W	7390.0101	05	10	07	43	3491.28	+ .057	3670.322
Canberra M	6893.0104	05	10	10	41	3167.43	— .019	3329.753
Canberra P	7390.0104	05	10	10	56	3167.99	— .027	3330.334
Melbourne M	6491.0101	05	10	14	21	3491.39	— .073	3670.307
Melbourne W	7390.0101	05	10	14	32	3491.41	— .072	3670.329
Canberra M	6893.0104	05	10	17	42	3167.43	+ .000	3329.772
Canberra P	7390.0104	05	10	17	57	3167.99	+ .006	3330.367
Canberra M	6893.0104	05	11	07	48	3167.20	+ .052	3329.582
Canberra P	7390.0104	05	11	08	02	3167.81	+ .051	3330.222
Melbourne M	6491.0101	05	11	11	15	3491.28	— .017	3670.248
Melbourne W	7390.0101	05	11	11	42	3491.31	— .029	3670.267
Canberra M	6893.0104	05	11	14	17	3167.43	— .072	3329.700
Canberra P	7390.0104	05	11	14	32	3168.02	— .071	3330.321
Canberra M	6893.0104	05	12	07	34	3167.34	+ .031	3329.708
Canberra P	7390.0104	05	12	07	52	3167.93	+ .034	3330.332
Sydney T	6891.0305	05	12	10	30	3242.47	+ .015	3408.682
Sydney X	7390.0105	05	12	10	41	3242.96	+ .010	3409.192
Canberra M	6893.0104	05	12	12	35	3167.43	— .042	3329.730
Canberra P	7390.0104	05	12	13	11	3168.02	— .057	3330.335
Sydney T	6891.0305	05	12	14	55	3242.57	— .072	3408.700
Sydney X	7390.0105	05	12	15	15	3243.07	— .070	3409.228
Canberra M	6893.0104	05	12	17	20	3167.42	— .023	3329.738
Canberra P	7390.0104	05	12	17	36	3167.98	— .013	3330.337
Sydney T	6891.0305	05	12	19	33	3242.31	+ .067	3408.565
Sydney X	7390.0105	05	12	19	45	3242.80	+ .073	3409.087
Sydney A	5099.9905	05	13	10	42	3229.21	+ .017	3394.743
Sydney V	6891.0105	05	13	11	40	3241.60	— .007	3407.745
Sydney X	7390.0105	05	13	12	14	3242.85	— .023	3409.043
Sydney A	5099.9905	05	13	13	03	3229.28	— .046	3394.753
Sydney V	6891.0105	05	13	14	03	3241.65	— .068	3407.737
Sydney X	7390.0105	05	13	14	48	3242.90	— .076	3409.043
Sydney A	5099.9905	05	13	15	41	3229.31	— .074	3394.757
Sydney V	6891.0105	05	13	16	33	3241.65	— .057	3407.748
Sydney X	7390.0105	05	13	17	07	3242.88	— .039	3409.059
Sydney A	5099.9905	05	13	17	58	3229.31	— .005	3394.826

IGC Name	Station BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
		M	D	H	M			
Sydney T	6891.0305	05	14	09	48	3242.40	+ .021	3408.614
Sydney X	7390.0105	05	14	10	08	3242.89	+ .021	3409.129
Sydney U	7090.0105	05	14	10	40	3239.68	+ .018	3405.751
Sydney T	6891.0305	05	14	11	18	3242.39	+ .011	3408.594
Sydney X	7390.0105	05	14	11	33	3242.88	+ .003	3409.101
Sydney U	7090.0105	05	14	12	26	3239.72	— .019	3405.756
Sydney T	6891.0305	05	14	13	15	3242.45	— .043	3408.603
Sydney X	7390.0105	05	14	13	34	3242.94	— .050	3409.111
Sydney U	7090.0105	05	14	14	06	3239.76	— .063	3405.754
Sydney T	6891.0305	05	14	14	38	3242.48	— .074	3408.603
Sydney T	6891.0305	05	16	07	40	3242.56	— .062	3408.699
Sydney X	7390.0105	05	16	07	52	3243.04	— .058	3409.208
Kempsey J	6491.9111	05	16	10	22	2982.67	+ .013	3135.534
Kempsey L	7390.1111	05	16	10	35	2982.60	+ .016	3135.464
Sydney T	6891.0305	05	16	12	46	3242.49	— .013	3408.675
Sydney X	7390.0105	05	16	13	12	3242.99	— .023	3409.190
Kempsey J	6491.9111	05	16	15	28	2982.86	— .076	3135.645
Kempsey L	7390.1111	05	16	16	02	2982.77	— .084	3135.542
Kempsey J	6491.9111	05	17	07	22	2982.87	— .078	3135.653
Kempsey L	7390.1111	05	17	07	45	2982.79	— .070	3135.577
Brisbane R	7213.0147	05	17	10	06	2729.28	+ .007	2869.134
Brisbane S	7390.0147	05	17	10	34	2729.62	+ .017	2869.501
Kempsey J	6491.9111	05	17	13	03	2982.77	— .004	3135.622
Kempsey L	7390.1111	05	17	13	20	2982.71	— .006	3135.557
Brisbane R	7213.0147	05	17	15	43	2729.32	— .071	2869.098
Brisbane S	7390.0147	05	17	16	20	2729.70	— .083	2869.485
Brisbane R	7213.0147	05	18	07	05	2729.37	— .084	2869.137
Brisbane S	7390.0147	05	18	07	28	2729.71	— .081	2869.498
Rockhampton K	6499.0149	05	18	10	11	2457.55	— .001	2583.485
Rockhampton M	7390.0149	05	18	10	32	2457.97	+ .010	2583.937
Brisbane R	7213.0147	05	18	13	33	2729.33	+ .002	2869.181
Brisbane S	7390.0147	05	18	13	48	2729.65	— .003	2869.513
Rockhampton K	6499.0149	05	18	16	36	2457.60	— .070	2583.469
Rockhampton M	7390.0149	05	18	17	11	2458.05	— .081	2583.931
Rockhampton K	6499.0149	05	19	07	04	2457.62	— .078	2583.482
Rockhampton M	7390.0149	05	19	07	30	2458.06	— .079	2583.943
Mackay J	6491.0161	05	19	09	33	2324.31	— .038	2443.401
Mackay M	7390.0161	05	19	09	56	2324.20	— .026	2443.297
Rockhampton K	6499.0149	05	19	11	51	2457.57	+ .024	2583.531
Rockhampton M	7390.0149	05	19	12	27	2457.96	+ .031	2583.948
Rockhampton K	6499.0149	05	20	07	28	2457.63	— .068	2583.502
Rockhampton M	7390.0149	05	20	08	03	2458.05	— .072	2583.940
Mackay J	6491.0161	05	20	09	43	2324.36	— .047	2443.444
Mackay M	7390.0161	05	20	10	12	2324.25	— .033	2443.342
Rockhampton K	6499.0149	05	20	12	07	2457.56	— .013	2583.483
Rockhampton M	7390.0149	05	20	12	31	2457.98	+ .020	2583.958
Mackay J	6491.0161	05	20	14	32	2324.28	+ .025	2443.432
Mackay M	7390.0161	05	20	15	05	2324.19	+ .015	2443.327
Mackay J	6491.0161	05	21	07	20	2324.35	— .045	2443.436
Mackay M	7390.0161	05	21	07	45	2324.25	— .053	2443.322
Townsville O	7090.0151	05	21	10	15	2219.62	— .043	2333.361
Townsville Q	7390.0151	05	21	10	35	2219.84	— .035	2333.601
Mackay J	6491.0161	05	21	12	48	2324.31	+ .018	2443.457
Mackay M	7390.0161	05	21	12	13	2324.21	+ .025	2443.358
Townsville O	7090.0151	05	21	15	26	2219.55	+ .028	2333.359
Townsville Q	7390.0151	05	21	15	51	2219.78	+ .020	2333.593

IGC Name	Station	BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
			M	D	H	M			
Townsville O		7090.0151	05	23	07	09	2219.515	+ .024	2333.318
Townsville Q		7390.0151	05	23	07	30	2219.76	+ .012	2333.564
Cooktown L		7090.1072	05	23	09	53	2046.65	— .038	2151.571
Cooktown M		7390.1072	05	23	10	34	2046.84	— .039	2151.770
Townsville O		7090.0151	05	23	13	25	2220.255	+ .000	2334.072
Townsville Q		7390.0151	05	23	13	50	2220.46	+ .010	2334.297
Cooktown L		7090.1072	05	23	16	24	2047.16	+ .047	2152.192
Cooktown M		7390.1072	05	23	17	05	2047.36	+ .043	2152.398
Cooktown L		7090.1072	05	24	07	25	2047.15	+ .049	2152.184
Cooktown M		7390.1072	05	24	08	02	2047.35	+ .029	2152.374
Iron Range K		6600.0025	05	24	10	13	1955.87	— .021	2056.176
Iron Range L		7390.1073	05	24	10	36	1955.595	— .026	2055.882
Cooktown L		7090.1072	05	24	13	12	2047.19	— .014	2152.163
Cooktown M		7390.1072	05	24	13	52	2047.37	— .002	2152.364
Iron Range K		6600.0025	05	24	16	21	1955.79	+ .053	2056.166
Iron Range L		7390.1073	05	24	16	52	1955.50	+ .059	2055.867
Iron Range K		6600.0025	05	24	17	08	1955.795	+ .060	2056.178
Iron Range L		7390.1073	05	24	17	18	1955.50	+ .061	2055.869
Port Moresby T		7390.0176	05	25	11	08	1825.45	— .017	1919.101
Iron Range K		6600.0025	05	25	14	40	1952.095	— .003	2052.226
Iron Range L		7390.1073	05	25	14	58	1951.805	+ .004	2051.928
Port Moresby L		7390.0176	05	25	18	45	1825.44	+ .085	1919.192
Port Moresby T		6791.0476	05	25	19	20	1824.85	+ .081	1918.568
Port Moresby L		7390.0176	05	25	19	46	1825.47	+ .076	1919.215
Port Moresby T		6791.0476	05	25	20	11	1824.865	+ .070	1918.573
Port Moresby Q		7090.0176	05	25	21	19	1833.45	+ .044	1927.570
Port Moresby V		7390.0376	05	25	22	00	1783.68	+ .028	1875.242
Port Moresby Q		7090.0176	05	25	22	38	1833.49	+ .014	1927.582
Port Moresby V		7390.0376	05	25	23	06	1783.71	+ .005	1875.251
Port Moresby Q		7090.0176	05	25	23	40	1833.51	— .003	1927.586
Port Moresby L		6791.0476	05	26	07	17	1824.88	+ .097	1918.616
Port Moresby T		7390.0176	05	26	07	53	1825.485	+ .091	1919.246
Lae K		6791.0177	05	26	10	14	1633.005	+ .032	1716.875
Lae M		7390.0177	05	26	10	36	1633.635	+ .021	1717.526
Port Moresby L		6791.0476	05	26	12	45	1825.04	— .032	1918.655
Port Moresby T		7390.0176	05	26	13	06	1825.64	— .034	1919.283
Lae K		6791.0177	05	26	16	03	1633.00	+ .024	1716.862
Lae M		7390.0177	05	26	16	28	1633.605	+ .039	1717.513
Lae K		6791.0177	05	27	07	05	1632.94	+ .104	1716.879
Lae M		7390.0177	05	27	07	27	1633.56	+ .107	1717.533
Mount Hagen K		6791.0178	05	27	09	41	1316.375	+ .091	1384.121
Mount Hagen M		7390.0178	05	27	10	00	1315.88	+ .082	1383.592
Lae K		6791.0177	05	27	11	50	1633.09	+ .007	1716.939
Lae M		7390.0177	05	27	12	14	1633.70	— .007	1717.566
Mount Hagen K		6791.0178	05	27	14	30	1316.565	— .042	1384.188
Mount Hagen M		7390.0178	05	27	14	48	1316.04	— .040	1383.638
Mount Hagen K		6791.0178	05	28	08	46	1316.40	+ .122	1384.179
Mount Hagen M		7390.0178	05	28	09	12	1315.87	+ .124	1383.623
Laiagam J		6791.9029	05	28	10	38	1150.39	+ .099	1209.651
Laiagam L		7390.1029	05	28	10	53	1150.58	+ .091	1209.843
Mount Hagen K		6791.0178	05	28	12	12	1316.51	+ .033	1384.205
Mount Hagen M		7390.0178	05	28	12	30	1316.03	+ .020	1383.688
Laiagam J		6791.9029	05	28	13	38	1150.51	— .027	1209.652
Laiagam L		7390.1029	05	28	14	07	1150.71	— .043	1209.846

IGC Name	Station BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
		M	D	H	M			
Mount Hagen K	6791.0178	05	28	15	08	1316.60	— .059	1384.208
Mount Hagen M	7390.0178	05	28	15	55	1316.08	— .054	1383.666
Laiagam J	6791.9029	05	28	16	52	1150.53	— .029	1209.671
Laiagam L	7390.1029	05	28	17	05	1150.68	— .022	1209.835
Mount Hagen K	6791.0178	05	28	17	57	1316.55	+ .022	1384.236
Mount Hagen M	7390.0178	05	28	18	24	1315.99	+ .046	1383.672
Mount Hagen K	6791.0178	05	29	07	41	1316.45	+ .073	1384.182
Mount Hagen M	7390.0178	05	29	08	08	1315.93	+ .093	1383.656
Lae K	6791.0177	05	29	10	12	1633.055	+ .127	1717.022
Lae M	7390.0177	05	29	10	30	1633.665	+ .122	1717.659
Mount Hagen K	6791.0178	05	29	12	25	1316.47	+ .058	1384.188
Mount Hagen M	7390.0178	05	29	12	56	1316.00	+ .032	1383.668
Lae K	6791.0177	05	29	14	55	1633.21	— .068	1716.990
Lae M	7390.0177	05	29	15	25	1633.845	— .075	1717.651
Lae K	6791.0177	05	30	07	00	1633.14	— .003	1716.982
Lae M	7390.0177	05	30	07	33	1633.73	+ .029	1717.634
Port Moresby L	6791.0476	05	30	09	35	1824.995	+ .114	1918.753
Port Moresby T	7390.0176	05	30	10	10	1825.575	+ .122	1919.371
Lae K	6791.0177	05	30	12	36	1633.04	+ .075	1716.955
Lae M	7390.0177	05	30	12	58	1633.67	+ .055	1717.597
Port Moresby L	6791.0476	05	30	15	46	1825.155	— .088	1918.720
Port Moresby T	7390.0176	05	30	16	21	1825.77	— .094	1919.360
Port Moresby D	7090.0576	05	31	20	45	1829.05	+ .069	1922.971
Port Moresby T	7390.0176	05	31	21	42	1825.55	+ .133	1919.356
Port Moresby D	7090.0576	05	31	22	12	1828.98	+ .165	1922.993
Port Moresby T	7390.0176	05	31	22	43	1825.54	+ .185	1919.397
Port Moresby D	7090.0576	05	31	23	12	1828.945	+ .195	1922.986
Port Moresby T	7390.0176	05	31	23	47	1825.50	+ .199	1919.369
Port Moresby T	7390.0176	06	01	09	39	1825.645	+ .040	1919.363
Port Moresby U	7390.0276	06	01	10	00	1825.15	+ .060	1918.862
Port Moresby T	7390.0176	06	01	10	16	1825.59	+ .075	1919.340
Port Moresby U	7390.0276	06	01	10	30	1825.12	+ .086	1918.857
Port Moresby T	7390.0176	06	01	10	46	1825.53	+ .097	1919.299
Port Moresby U	7390.0276	06	01	11	00	1825.07	+ .105	1918.823
Port Moresby T	7390.0176	06	01	11	14	1825.51	+ .111	1919.292
Port Moresby L	6791.0476	06	02	07	30	1825.09	— .105	1918.634
Port Moresby T	7390.0176	06	02	07	58	1825.695	— .092	1919.283
Iron Range K	6600.0025	06	02	10	58	1952.17	+ .039	2052.347
Iron Range L	7390.1073	06	02	11	21	1951.85	+ .058	2052.029
Port Moresby T	7390.0176	06	02	15	02	1825.52	+ .052	1919.243
Iron Range K	6600.0025	06	02	18	15	1952.27	— .100	2052.313
Iron Range L	7390.1073	06	02	18	40	1951.98	— .105	2052.003
Iron Range K	6600.0025	06	03	06	42	1952.25	— .068	2052.324
Iron Range L	7390.1073	06	03	07	11	1951.95	— .084	2051.993
Cooktown L	7090.1072	06	03	09	30	2043.57	— .071	2148.301
Cooktown M	7390.1072	06	03	10	06	2043.71	— .048	2148.471
Iron Range K	6600.0025	06	03	12	06	1952.13	+ .052	2052.318
Iron Range L	7390.1073	06	03	12	45	1951.805	+ .076	2052.000
Cooktown L	7090.1072	06	03	15	13	2043.42	+ .057	2148.271
Cooktown M	7390.1072	06	03	15	44	2043.64	+ .038	2148.484

IGC Name	Station	BMR No.	Date and Time (EST)				Reading (Sc. Div.)	E.T. Corr. (mGal)	Corr'd Equiv. (mGal)
			M	D	H	M			
Cooktown L		7090.1072	06	04	07	07	2043.47	— .040	2148.227
Cooktown M		7390.1073	06	04	07	42	2043.68	— .064	2148.424
Townsville O		7090.0151	06	04	10	06	2216.465	— .070	2330.018
Townsville Q		7390.0151	06	04	10	37	2216.665	— .054	2330.245
Cooktown L		7090.1072	06	04	13	30	2043.35	+ .064	2148.205
Cooktown M		7390.1072	06	04	14	02	2043.53	+ .074	2148.404
Townsville O		7090.0151	06	04	16	37	2216.34	+ .020	2329.977
Townsville Q		7390.0151	06	04	17	08	2216.58	+ .003	2330.212
Townsville O		7090.0151	06	05	07	09	2216.35	+ .002	2329.970
Townsville Q		7390.0151	06	05	07	30	2216.58	— .014	2330.195
Cooktown L		7090.1072	06	05	10	04	2043.455	— .068	2148.183
Cooktown M		7390.1072	06	05	10	21	2043.635	— .065	2148.375
Townsville O		7090.0151	06	05	12	51	2216.35	+ .004	2329.972
Townsville Q		7390.0151	06	05	13	15	2216.555	+ .016	2330.199
Townsville O		7090.0151	06	06	07	32	2216.31	+ .024	2329.949
Townsville Q		7390.0151	06	06	07	56	2216.55	+ .006	2330.184
Mackay J		6491.0161	06	06	09	55	2321.12	— .058	2440.028
Mackay M		7390.0161	06	06	10	26	2321.03	— .062	2439.929
Townsville O		7090.0151	06	06	12	29	2216.36	— .030	2329.948
Townsville Q		7390.0151	06	06	12	48	2216.565	— .022	2330.171
Mackay J		6491.0161	06	06	15	10	2321.03	+ .045	2440.036
Mackay M		7390.0161	06	06	15	38	2320.92	+ .054	2439.929
Mackay J		6491.0161	06	07	07	13	2321.03	+ .054	2440.045
Mackay M		7390.0161	06	07	07	43	2320.94	+ .037	2439.933
Rockhampton K		6499.0149	06	07	09	40	2454.34	— .035	2580.077
Rockhampton M		7390.0149	06	07	10	00	2454.76	— .043	2580.510
Mackay J		6491.0161	06	07	11	50	2321.09	— .052	2440.002
Mackay M		7390.0161	06	07	12	16	2320.985	— .047	2439.897
Rockhampton K		6499.0149	06	07	14	06	2454.34	— .008	2580.104
Rockhampton M		7390.0149	06	07	14	42	2454.745	+ .010	2580.548
Rockhampton K		6499.0149	06	08	07	19	2454.28	+ .056	2580.105
Rockhampton M		7390.0149	06	08	07	49	2454.70	+ .043	2580.533
Brisbane R		7213.0147	06	08	10	43	2726.10	— .048	2865.736
Brisbane S		7390.0147	06	08	10	55	2726.46	— .051	2866.111
Rockhampton K		6499.0149	06	08	13	47	2454.33	— .034	2580.067
Rockhampton M		7390.0149	06	08	14	09	2454.74	— .026	2580.506
Brisbane R		7213.0147	06	08	17	07	2726.02	+ .053	2865.753
Brisbane S		7390.0147	06	08	17	18	2726.38	+ .057	2866.135
Brisbane S		7390.0147	06	09	09	43	2726.44	— .009	2866.132
Brisbane D		6091.0147	06	09	10	53	2735.14	— .036	2875.251
Brisbane N		6091.0247	06	09	11	50	2679.77	— .052	2817.027
Brisbane D		6091.0147	06	09	12	19	2735.15	— .056	2875.242
Brisbane N		6091.0247	06	09	12	46	2679.77	— .058	2817.021
Brisbane D		6091.0147	06	09	13	11	2735.16	— .057	2875.251
Brisbane N		6091.0247	06	09	13	40	2679.77	— .052	2817.027
Brisbane D		6091.0147	06	09	14	07	2735.17	— .045	2875.274
Brisbane S		7390.0147	06	09	14	58	2726.44	— .026	2866.115
Brisbane D		6091.0147	06	09	15	42	2735.11	— .004	2875.252
Brisbane S		7390.0147	06	09	16	35	2726.39	+ .026	2866.115
Brisbane D		6091.0147	06	09	17	35	2735.055	+ .059	2875.257
Brisbane S		7390.0147	06	09	19	28	2726.32	+ .093	2866.108
Brisbane T		7390.0247	06	09	19	50	2725.69	+ .095	2865.448
Brisbane S		7390.0147	06	09	20	08	2726.32	+ .095	2866.110
Brisbane T		7390.0247	06	09	20	23	2725.69	+ .095	2865.448
Brisbane S		7390.0147	06	09	20	35	2726.33	+ .093	2866.118
Brisbane T		7390.0247	06	09	20	50	2725.70	+ .090	2865.453
Brisbane S		7390.0147	06	09	21	03	2726.32	+ .086	2866.101

<i>IGC Name</i>	<i>Station</i> <i>BMR No.</i>	<i>Date and Time</i> <i>(EST)</i>				<i>Reading</i> <i>(Sc. Div.)</i>	<i>E.T. Corr.</i> <i>(mGal)</i>	<i>Corr'd</i> <i>Equiv.</i> <i>(mGal)</i>
		<i>M</i>	<i>D</i>	<i>H</i>	<i>M</i>			
Brisbane R	7213.0147	06	10	07	22	2726.04	+ .028	2865.749
Brisbane S	7390.0147	06	10	07	38	2726.385	+ .027	2866.110
Kempsey J	6491.9111	06	10	10	12	2979.52	— .015	3132.194
Kempsey L	7390.1111	06	10	10	45	2979.465	— .028	3132.124
Brisbane R	7213.0147	06	10	13	02	2726.07	— .059	2865.693
Brisbane S	7390.0147	06	10	13	13	2726.43	— .060	2866.071
Kempsey J	6491.9111	06	10	16	10	2979.55	— .014	3132.227
Kempsey L	7390.1111	06	10	16	48	2979.44	+ .010	3132.135
Kempsey J	6491.9111	06	11	07	30	2979.55	— .001	3132.240
Kempsey L	7390.1111	06	11	07	50	2979.46	+ .002	3132.148
Brisbane R	7213.0147	06	11	10	11	2726.05	+ .004	2865.735
Brisbane S	7390.0147	06	11	10	28	2726.415	— .001	2866.114
Kempsey J	6491.9111	06	11	13	06	2979.59	— .061	3132.222
Kempsey L	7390.1111	06	11	13	15	2979.52	— .063	3132.146
Kempsey J	6491.9111	06	12	07	23	2979.59	— .023	3132.260
Kempsey L	7390.1111	06	12	07	45	2979.50	— .016	3132.172
Sydney T	6891.0305	06	12	10	12	3239.34	— .013	3405.363
Sydney X	7390.0105	06	12	10	32	3239.83	— .015	3405.876
Kempsey J	6491.9111	06	12	13	04	2979.585	— .054	3132.224
Kempsey L	7390.1111	06	12	13	25	2979.51	— .060	3132.139
Sydney T	6891.0305	06	12	16	18	3239.44	— .052	3405.429
Sydney X	7390.0105	06	12	16	30	3239.95	— .047	3405.970
Sydney T	6891.0305	06	13	07	35	3239.42	— .048	3405.412
Sydney X	7390.0105	06	13	07	47	3239.91	— .044	3405.931
Canberra M	6893.0104	06	13	10	06	3164.30	— .019	3326.462
Canberra P	7390.0104	06	13	10	34	3164.86	— .018	3327.052
Sydney T	6891.0305	06	13	12	29	3239.39	— .038	3405.390
Sydney X	7390.0105	06	13	12	47	3239.90	— .044	3405.921
Canberra M	6893.0104	06	13	14	40	3164.36	— .075	3326.469
Canberra P	7390.0104	06	13	15	08	3164.93	— .078	3327.065
Sydney T	6891.0305	06	13	17	06	3239.46	— .050	3405.452
Sydney X	7390.0105	06	13	17	30	3239.94	— .036	3405.971
Canberra M	6893.0104	06	13	19	44	3164.28	+ .059	3326.519
Canberra P	7390.0104	06	13	20	04	3164.84	+ .074	3327.123
Canberra L	6491.0304	06	14	13	55	3160.07	— .057	3321.977
Canberra K	6491.0204	06	14	14	12	3108.04	— .062	3267.269
Canberra L	6491.0304	06	14	14	30	3160.09	— .067	3321.988
Canberra K	6491.0204	06	14	14	48	3108.05	— .072	3267.270
Canberra L	6491.0304	06	14	15	03	3160.09	— .076	3321.979
Canberra K	6491.0204	06	14	15	21	3108.05	— .080	3267.262
Canberra L	6491.0304	06	14	15	37	3160.11	— .081	3321.995

APPENDIX 5A AIR TIE INTERVALS 1965

<i>Gravity Station</i>		<i>Gravity Intervals (mGal)</i>							
<i>IGC Name</i>	<i>BMR No.</i>	<i>G43</i>		<i>G44</i>		<i>G47</i>		<i>G48</i>	
Cairns A	5099.9952	123.39	123.37	123.39	123.40	123.42	123.21	123.42	123.39
Townsville N	6591.0151	110.21	110.21	110.22	110.25	110.23	109.96	110.19	110.23
Mackay J	6491.0161	140.13	140.18	140.16	140.19	140.20	140.22	140.14	140.20
Rockhampton K	6499.0149	147.24	147.32	147.27	147.26	147.27	147.30	147.28	147.29
Maryborough A	5099.9948	138.20	138.22	138.24	138.21	138.25	138.26	138.27	138.28
Brisbane J	6491.0147	169.78	169.79	169.80	169.78	169.88	169.82	169.84	169.80
Grafton K	6491.9110	96.98	96.99	96.99	97.01	97.10	97.01	97.06	97.03
Kempsey J	6491.9111	272.35	272.34	272.43	(272.59)	272.52	272.46	272.45	272.46
Sydney J	6491.0105	—78.29	—78.33	—78.34	—78.36	—78.46	—78.44	—78.41	—78.41
Canberra J	6491.0104	145.25	145.27	145.31	145.31	145.32	145.32	145.33	145.34
Albury K	6591.9136	195.50	195.60	195.59	195.59	195.71	195.66	195.66	195.69
Melbourne M	6491.0101								

APPENDIX 5B GROUND TIES 1965

	<i>Stations</i>	<i>Meter No.</i>	<i>Interval</i>	<i>(mGal)</i>
Cairns A-L	5099.9952-6591.0252	G20	1.556	1.509
		G43	1.50	1.52
		G44	1.52	1.49
		G47	1.59	1.52
		G48	1.56	1.55
Townsville L-M	6091.0151-6091.0251	G20	60.565	60.560
		G43	60.50	60.49
		G44	60.52	60.48
		G47	60.59	60.60
		G48	60.51	60.54
Townsville A-N	5099.9951-6591.0151	G20	0.086	0.084
		G43	0.07	0.04
		G44	0.02	0.04
		G47	0.05	0.07
		G48	0.09	0.07
Mackay A-J	6499.9961-6491.0161	G20	0.867	0.874
		G43	0.87	0.88
		G44	0.88	0.88
		G47	0.89	0.89
		G48	0.90	0.88
Rockhampton K-J	6499.0149-6591.0149	G20	0.699	0.671
		G43	0.69	0.70
		G44	0.70	0.70
		G47	0.68	0.69
		G48	0.68	0.69
Maryborough J-A	6591.0148-5099.9948	G20	1.736	1.789
		G43	1.76	1.73
		G44	1.75	1.74
		G47	1.76	1.75
		G48	1.75	1.78
Brisbane J-D	6491.0147-6091.0147	G20	9.791	9.819
		G43	9.77	9.82
		G44	9.75	9.78
		G47	9.76	9.80
		G48	9.77	9.79
Brisbane D-N	6091.0147-6091.0247	G20	58.223	58.180
		G43	58.26	58.28
		G44	58.23	58.25
		G47	58.24	58.25
		G48	58.22	58.30
Grafton K-J	6491.9110-6491.1110	G20	8.986	9.016
		G43	8.98	8.96
		G44	8.95	9.03
		G47	9.05	9.03
		G48	9.00	9.02
Kempsey K-J	6491.1111-6491.9111	G20	9.749	9.762
		G43	9.78	9.79
		G44	9.77	9.78
		G47	9.73	9.75
		G48	9.77	9.77

<i>Stations</i>		<i>Meter No.</i>	<i>Interval</i>	<i>(mGal)</i>
Sydney J-A	6491.0105-5099.9905	G20	12.968	12.937
		G43	12.97	12.89
		G44	12.94	12.91
		G47	12.94	12.95
		G48	12.96	12.93
Sydney N-O	6091.0105-6091.0205	G20	59.022	59.011
		G43	58.97	59.01
		G44	58.99	58.97
		G47	58.99	59.00
		G48	(59.31)	(59.32)
Canberra J-K	6491.0104-6591.0204	G20	59.071	59.051
		G43	59.14	59.15
		G44	59.13	59.14
		G47	59.12	59.12
		G48	59.10	59.07
Albury J-K	6591.1136-6591.9136	G20	5.922	5.934
		G43	5.92	5.93
		G44	5.94	5.97
		G47	5.93	5.96
		G48	5.91	5.97
Melbourne A-M	5099.9901-6491.0101	G20	17.771	17.789
		G43	17.87	17.84
		G44	17.87	17.86
		G47	17.80	17.84
		G48	17.79	17.86
Melbourne P-Q	6091.0101-6091.0201	G20	53.019	53.064
		G43	53.01	53.02
		G44	53.00	53.02
		G47	53.02	53.05
		G48	52.99	52.99

APPENDIX 5C AIR TIE INTERVALS MEASURED 1970

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<i>Station</i>	<i>Meter No.</i>	<i>Intervals (mGal)</i>	<i>Mean Interval (mGal)</i>	<i>k</i>	<i>m (μGal)</i>	<i>M (μGal)</i>
Laiagam (6791.9029)-	G20	(174.459 + 90) 174.496 - 1 174.498 + 2	174.497	2	1	1
Mt Hagen (6791.0178)	G101	(174.693 + 88) [(174.565 363)] (174.505 264)	—			
	G132	174.570 - 3 [174.559 23] 174.558 23	174.564	2	8	6
Mt Hagen (6791.0178)-	G20	(153.658 + 54) 153.690 5	153.690	1	—	—
Menyamy (6791.9035)	G101	153.677 + 12 153.664 31	153.671	2	9	6
	G132	153.635 2 153.639 - 5	153.637	2	3	2
Menyamy (6791.9035)-	G20	179.271 25 179.272 23 (179.241 - 76) 179.289 + 22	179.277	3	10	6
Lae (6791.0177)	G101	179.142 + 41 179.174 - 40 179.204 27 (179.133 - 114)	179.173	3	31	18
	G132	179.168 11 179.179 - 20 179.168 11 179.160 - 3	179.169	4	8	4
Lae (6791.0177)-	G20	(201.750 68) 201.784 + 1 201.801 36 (201.827 92)	201.793	2	12	8
Port Moresby (6791.0476)	G101	201.857 38 201.854 41 (201.823 - 62) (201.806 - 94)	201.856	2	2	1
	G132	201.801 4 201.799 8 201.836 10 201.824 - 14	201.815	4	18	9
Port Moresby (6791.0476)-	G20	31.781 12 31.789 - 4	31.785	2	6	4
Thursday Island (6691.1001)	G101	31.829 - 4 31.831 - 9	31.830	2	1	1
	G132	31.749 51 31.785 - 27	31.767	2	25	18
Thursday Island (6691.1001)-	G20	101.838 45 101.867 - 19	101.853	2	21	14
Iron Range (6600.0025)	G101	(101.890 56) 101.901 24	101.901	1	—	—
	G132	101.908 - 17 101.904 - 7	101.906	2	3	2
Iron Range (6600.0025)-	G20	96.060 + 9 96.059 + 13	96.060	2	1	0
Cooktown (7090.1072)	G101	96.035 + 19 96.022 + 49	96.029	2	9	6
	G132	96.012 + 3 96.022 - 16	96.017	2	7	5
Cooktown (7090.1072)-	G20	58.306 + 9 58.298 26	58.302	2	6	4
Cairns (5099.9952)	G101	58.368 + 21 (58.351 57)	58.368	1	—	—
	G132	58.346 + 14 58.351 5	58.349	2	4	2
Cairns (5099.9952)-	G20	123.419 + 28 123.420 + 21	123.420	2	1	0
Townsville (7090.0151)	G101	123.623 + 23 (123.552 + 147)	123.623	1	—	—
	G132	123.462 + 15 123.467 + 24	123.465	2	4	2

<i>Station</i>	<i>Meter No.</i>	<i>Intervals (mGal)</i>	<i>Mean Interval (mGal)</i>	<i>k</i>	<i>m (μGal)</i>	<i>M (μGal)</i>
Townsville (7090.0151)- Mackay (6491.0161)	G20	110.136 29 110.149 0	110.143	2	9	6
	G101	110.209 49 (110.163 131)	110.209	1	—	—
	G132	(110.130 — 111) 110.073 + 11	110.073	1	—	—
Mackay (6491.0161)- Rockhampton (6499.0149)	G20	140.041 + 37 140.053 + 8	140.047	2	8	6
	G101	(140.197 172) (140.183 228)	—			
	G132	140.095 + 2 140.096 + 1	140.096	2	1	0
Rockhampton (6499.0149)- Maryborough (5099.9948)	G20	(147.223 + 68) 147.263 — 12	147.263	1	—	—
	G101	(147.326 73) (147.271 175)	—			
	G132	147.247 + 14 147.252 + 5	147.250	2	4	2
Maryborough (5099.9948)- Brisbane (6491.0147)	G20	138.152 + 39 138.169 0	138.161	2	12	8
	G101	(138.734 — 148) (138.513 355)	—			
	G132	138.178 + 19 138.188 — 6	138.183	2	7	5
Brisbane (6491.0147)- Grafton (6491.9110)	G20	169.844 + 33 169.860 + 5 169.845 — 42 169.850 — 28	169.850	4	7	4
	G101	(169.997 193) (169.924 302) (170.051 138) (170.029 82)	—			
	G132	169.796 + 16 169.789 + 27 169.792 — 9 169.796 0	169.793	4	3	2
Grafton (6491.9110)- Kempsey (6491.9111)	G20	97.013 + 44 97.032 + 7	97.023	2	13	9
	G101	(97.222 + 178) (97.276 + 62)	—			
	G132	96.993 — 3 97.000 — 17	96.997	2	5	3
Kempsey (6498.9111)- Williamtown (7090.9402)	G20	155.818 + 28 155.838 — 11	155.828	2	14	10
	G101	(156.153 + 829) (156.366 397)	—			
	G132	155.856 + 3 155.833 + 51	155.845	2	16	12
Williamtown (7090.9402)- Sydney (6891.0105)	G20	116.530 + 18 116.531 + 16 116.511 — 50 116.528 — 18	116.525	4	9	5
	G101	116.875 + 10 116.893 — 35 116.666 — 1 116.648 — 36	116.771	4	131	66
	G132	116.526 + 6 116.531 — 8 116.502 — 20 116.507 — 11	116.517	4	14	7
Sydney (6891.0105)- Canberra (6893.0104)	G20	—78.142 + 39 (—78.152 + 53)	—78.142	1	—	—
	G101	—78.312 + 19	—78.312	1	—	—
	G132	—78.158 — 10 —78.168 + 9	—78.163	2	7	5

<i>Station</i>	<i>Meter No.</i>	<i>Intervals (mGal)</i>	<i>Mean Interval (mGal)</i>	<i>k</i>	<i>m (μGal)</i>	<i>M (μGal)</i>
Canberra (6893.0104)- Albury (6793.1136)	G20	144.990 —7 144.990 —6	144.990	2	0	0
	G101	(145.991 161) (145.961 + 92)	—			
	G132	144.980 — 12 144.963 — 50	144.972	2	12	8
Albury (6793.1136)- Melbourne (7090.0101)	G20	195.530 — 3 195.524 — 16	195.527	2	4	3
	G101	195.969 + 20	195.969	1	—	—
	G132	195.557 + 15 195.567 + 34	195.562	2	7	5
Melbourne (7090.0101)- Melbourne (7090.9401)	G20	—	—			
	G101	(40.746 — 98) 40.767 — 45	40.767	1	—	—
	G132	40.677 + 9 40.662 — 21	40.670	2	11	7
Melbourne (7090.9401)- Flinders Island (6491.9140)	G20	202.787 0 202.781 — 16	202.784	2	4	3
	G101	(203.029 — 147) (203.154 + 174)	—			
	G132	202.919 — 9 202.914 — 26	202.917	2	4	2
Flinders Island (6491.9140)- Launceston (6491.0171)	G20	71.155 + 27 71.151 + 17	71.153	2	3	2
	G101	70.997 + 14 (71.144 + 329)	70.997	1	—	—
	G132	71.165 + 32 71.167 + 37	71.166	2	1	1
Launceston (6491.0171)- Hobart (6491.0160)	G20	173.355 + 7 173.346 — 12	173.351	2	6	4
	G101	(173.397 — 91) (173.485 + 97)	—			
	G132	173.385 + 16 173.371 — 16	173.378	2	10	7

APPENDIX 5D GROUND TIE INTERVALS MEASURED 1970

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<i>Station</i>	<i>Meter No.</i>	<i>Intervals (mGal)</i>	<i>Mean Interval (mGal)</i>	<i>k</i>	<i>m (μGal)</i>	<i>M (μGal)</i>
Port Moresby 7090.0176-6491.0476	G20	9.031 9.051	9.041	2	14	10
	G101	9.037	9.037	1	—	—
	G132	9.019 9.006	9.013	2	9	6
Port Moresby 7090.0176-7090.0376	G20	4.704 +14	4.704	1	—	—
	G101	—	—	—	—	—
	G132	4.682 -33	4.682	1	—	—
Port Moresby 7090.0176-7090.0576	G20	4.792 +14	4.792	1	—	—
	G101	—	—	—	—	—
	G132	4.766 -33	4.766	1	—	—
Port Moresby 7090.0476-6791.0476	G20	0.193	0.193	1	—	—
	G101	—	—	—	—	—
	G132	0.200	0.200	1	—	—
Port Moresby 6791.0476-6791.0376	G20	44.586 -9	44.586	1	—	—
	G101	(44.583 +56)	—	—	—	—
	G132	44.608 +17	44.608	1	—	—
Port Moresby 6791.0476-7090.0276	G20	43.321 -9	43.321	1	—	—
	G101	(43.334 +56)	—	—	—	—
	G132	43.343 +17	43.343	1	—	—
Port Moresby 7090.0176-7090.0276	G20	52.409 -14 [52.393 +13] 52.373 -27 [52.373 -33] 52.398 +9	52.393	3	18	11
	G101	52.363 -1 [52.361 +2] (52.386 +54) 52.422 -16 (52.396 -66)	52.393	2	42	29
	G132	52.358 -9 [52.355 +15] 52.350 +4 [52.352 0] 52.351 -1	52.353	3	4	3
	G20	6.709 -45	6.709	1	—	—
Cooktown 7090.1072-6491.1072	G101	6.638 -40	6.638	1	—	—
	G132	6.662 +12	6.662	1	—	—

<i>Station</i>	<i>Meter No.</i>	<i>Intervals (mGal)</i>	<i>Mean Interval (mGal)</i>	<i>k</i>	<i>m (μGal)</i>	<i>M (μGal)</i>
Townsville 6091.0151-6091.0251	G20	60.554 — 22 [60.541 + 7] 60.537 0 [60.536 + 4] 60.533 0	60.541	3	11	6
	G101	60.564 + 7 [60.570 — 6] 60.574 + 2 [60.566 + 18] 60.574 + 40	60.571	3	6	3
	G132	60.557 — 16 [60.544 + 14] 60.534 — 6 [60.532 — 1] 60.528 — 10	60.540	3	15	9
Townsville 5099.9951-7090.0151	G20	0.003 + 9	0.003	1	—	—
	G101	—	—	—	—	—
	G132	0.028 + 5	0.028	1	—	—
Rockhampton 7090.0149-6499.0149	G20	0.200	0.200	1	—	—
	G101	—	—	—	—	—
	G132	0.199	0.199	1	—	—
Brisbane 6091.0147-6091.0247	G20	58.167 — 24 [58.161 — 9] 58.166 + 1 [58.166 0] 58.168 3	58.167	3	1	1
	G101	(58.282 — 118) [58.237 — 20] 58.257 + 22 (58.187 + 168) 58.114 + 28	58.186	2	101	71
	G132	58.221 — 3 [58.225 — 10] 58.225 — 10 [58.217 + 6] 58.218 + 8	58.221	3	4	2
Sydney 6091.0105-6091.0205	G20	59.018 — 15 [59.015 — 5] 59.003 — 25 [58.994 — 7] 59.006 + 14	59.009	3	8	5
	G101	59.106 — 34 [59.130 — 73] 59.163 + 3 [59.157 + 18] (59.061 — 137)	59.135	2	40	28
	G132	58.977 — 5 [58.974 0] 58.972 — 5 [58.967 + 6] 58.968 + 9	58.972	3	5	3
Sydney 6891.0105-7090.0105	G20	2.084 — 3	2.084	1	—	—
	G101	2.051 — 42	2.051	1	—	—
	G132	2.037 + 1	2.037	1	—	—
Canberra 6491.0304-6491.0204	G20	54.663 + 17 [54.679 — 15] 54.682 — 9 [54.676 + 3] 54.677 + 3	54.674	3	10	6
	G101	54.897 — 11 [54.793 + 229] (54.726 + 108) 54.758 + 31 54.763 + 41	54.806	3	77	44
	G132	54.737 + 16 [54.738 + 13] 54.731 0 [54.740 — 20] 54.743 — 18	54.737	3	6	3

<i>Station</i>	<i>Meter No.</i>	<i>Intervals (mGal)</i>	<i>Mean Interval (mGal)</i>	<i>k</i>	<i>m (μGal)</i>	<i>M (μGal)</i>
Canberra 6491.0304-6491.0204	G20	54.674 +13 [54.683 —10] 54.675 —25 [54.667 —5] 54.668 —1	54.672	3	4	2
	G101	54.748 —20 [54.743 —10] 54.743 —10 (54.764 —53) (54.756 —65)	64.746	2	4	2
	G132	54.732 +23 [54.753 —14] 54.750 —18 [54.736 +10] 54.736 +10	54.739	3	9	5
Melbourne 6091.0101-6091.0201	G20	53.071 +5 [53.067 +13] 53.053 —14 [53.054 —16] 53.067 +8	53.064	3	9	5
	G101	(53.029 +128) 53.070 +16 (53.097 +76) 53.122 +26 (53.083 —56)	53.096	2	37	26
	G132	52.992 +19 [53.000 +4] 52.996 —9 [52.984 +10] 52.986 +13	52.991	3	5	3
Melbourne 6491.0101-7090.0101	G132	0.035 0.029	0.032			
Launceston 6491.0171-6850.0271	G20	0.279 —19	0.279	1	—	—
	G101	—	—			
	G132	0.262 —7	0.262	1	—	—
Hobart 6091.0160-6091.0260	G20	54.514 +18 [54.528 —17] 54.536 —2 [54.522 +27] 54.516 +14	54.522	3	12	7
	G101	54.558 +21 [54.573 —10] (54.621 +81) [54.654 +11] 54.644 —8	54.601	2	61	43
	G132	54.640 +31 [54.638 +33] 54.615 —8 [54.607 +12] 54.604 +8	64.620	3	18	11

APPENDIX 5E AIR TIE INTERVALS 1971, 1972

<i>Gravity Station</i>		<i>Gravity Intervals (mGal)</i>									
		<i>G20</i>		<i>G101</i>		<i>G132</i>		<i>G252</i>		<i>G104</i>	
Mount Hagen K (6791 0178)		332.544	332.593	332.637	332.800	332.773	332.780	332.824	333.083	332.894	332.874
Lae K (6791.0177)		201.796	201.803	201.813	201.732	201.815	201.838	201.849	201.902	201.835	201.810
Port Moresby L (6791.0476)		287.887	287.928	288.020	288.004	288.091	288.052	287.920	288.131	288.181	288.148
Cairns A (5099.9952)		123.423	123.441	123.479	123.397	123.455	123.439	123.407	123.424	123.411	123.424
Townsville O (7090.0151)		110.076	110.081	110.109	109.994	110.109	110.100	110.179	110.178	110.146	110.161
Mackay J (6491.0161)		140.037	140.013	140.050	140.031	140.100	140.128	140.079	(139.965)	140.106	140.048
Rockhampton K (6499.0149)		285.306	285.395	285.410	285.191	285.412	285.420	—	285.611	285.679	285.751
Brisbane J (6491.0147)		539.094	539.116	539.664	540.069	539.136	539.163	539.295	539.153	538.918 [*]	538.934
Sydney V (6891.0105)		—78.176	—78.188	—78.222	—78.264	—78.148	—78.155	—78.248	—78.241	—78.191	—78.196
Canberra M (6893.0104)		144.986	144.981	145.333	145.256	144.965	145.018	145.011	145.025	145.027	145.011
Albury L (6793.1136)		195.571	195.550	195.665	195.392	195.620	195.557	195.534	195.597	179.919	179.919
Melbourne M (6491.0101)		314.254	487.871	314.611	488.465	314.465	488.096	314.422	488.089	330.121 [*]	—
Launceston N (6850.0271)		173.589		173.806		173.603		173.649		173.657	173.623
Hobart K (6491.0160)											

* Melbourne V (7213.0101) and Brisbane R (7213.0147)

APPENDIX 5F GROUND TIE INTERVALS MEASURED 1971 AND 1972

<i>Stations</i>	<i>Meter No.</i>	<i>Intervals (mGal)</i>		<i>Mean Interval (mGal)</i>
Sydney V-A 6891.0105-5099.9905	G20	13.013	12.976	12.994
	G101	13.061	13.059	13.060
	G132	12.974	12.951	12.963
	G252	13.029	12.975	13.002
Sydney A-M 5099.9905-7199.9999	G20	0.347	0.352	0.349
	G101	0.345	0.335	0.340
	G132	0.355	0.355	0.355
	G252	0.337	0.321	0.329
Hobart K-L 6491.0160-6091.0160	G20	4.699	4.638	4.669
	G101	4.629	4.654	4.642
	G132	4.644	4.619	4.632
	G252	4.656	4.647	4.652
Canberra L-K	G104	54.763	—16 [54.763 —15] 54.769 —1	54.768
6491.0304-6491.0204	G132	[54.773 —9] 54.771 —14 54.736 +18 [54.734 +23] 54.733 +25 [54.739 +10] (54.762 +56) 54.744 +23 [54.748 +12] 54.742 +1 [54.743 —3] 54.743 —3		54.740

APPENDIX 5G LISTING OF GRAVITY INTERVALS MEASURED IN 1973 USING LaCOSTE & ROMBERG
GRAVITY METERS AND AIR TRANSPORT. THE MILLIGAL IS THE LaCOSTE TABLE SCALE

Meter No.	Measured Intervals (mGal) and Apparent Drift (μGal) Dates					Mean Interval (mGal)	k	m ± (μGal)	M ± (μGal)
Mount Hagen-Laiagam									
	05 28	05 28	05 28	05 28	05 28				
G20 A	173.858 +13	[173.862 +5]	173.858 −3	[173.840 +27]	173.830 +3	173.849	3	16	9
G101	173.445 +20	[173.452 +4]	173.445 −10	[173.440 −0]	173.454 +30	173.448	3	5	3
G132	173.845 0	[173.845 −19]	173.864 0	[173.858 +11]	(173.884 +67)	173.855	2	13	9
G252	(173.813 +65)	[173.844 +3]	173.832 −22	[173.827 −11]	173.834 +6	173.833	2	1	1
Lae-Mount Hagen									
	05 27	05 27	05 29	05 29					
G20 A	(333.964 +118)	333.999 +42	333.979 −20	333.985 −8		333.988	3	10	6
G101	333.222 +9	333.229 −6	333.213 −10	333.224 +13		333.222	4	7	3
G132	(333.985 +68)	(333.946 +156)	333.998 +33	333.983 +4		333.981	2	11	8
G252	333.959 +33	333.953 +46	333.997 +12	333.987 −8		333.974	4	21	11
Port Moresby-Lae									
	05 26	05 26	05 30	05 30					
G20 A	201.781 +32	201.805 −21	201.821 −3	201.815 −17		201.806	4	18	9
G101	201.369 +12	201.369 +15	201.393 −20	201.395 −17		201.382	4	14	7
G132	201.796 −3	201.807 −28	(201.801 −217)	(201.735 +101)		201.802	2	8	5
G252	201.739 +37	201.763 −13	201.755 −37	201.769 −11		201.757	4	13	7
Iron Range-Port Moresby									
	05 25	06 02	06 02						
G20 A	132.807 +7	132.772 +21	132.768 +15			132.782	3	21	12
G101	(132.481 +81)	132.466 −1	132.453 −27			132.460	2	9	6
G132	(132.752 −77)	132.803 +13	132.779 −33			132.791	2	17	12
G252	(132.781 +91)	132.765 −40	132.773 −26			132.769	2	6	4
Cooktown-Iron Range									
	05 24	05 24	06 03	06 03					
G20 A	96.515 −28	96.496 +6	96.502 +10	96.506 +19		96.505	4	8	4
G101	96.271 −2	96.270 0	96.300 0	96.296 −9		96.284	4	16	8
G132	96.526 +25	96.527 +25	(96.535 +53)	96.524 +28		96.526	3	2	1
G252	96.488 −10	96.490 −15	96.474 +7	96.477 +13		96.482	4	8	4

Meter No.	Measured Intervals (mGal) and Apparent Drift (μ Gal) Dates						Mean Interval (mGal)	k	$m \pm (\mu\text{Gal})$	$M \pm (\mu\text{Gal})$
Townsville-Cooktown										
	05	23	05	23	06	04	06	04	06	05
G20 A	181.817	+3	181.820	-1	181.818	-24	181.828	-6	181.849	+15
G101	181.431	-25	181.413	+10	181.408	-9	181.419	+9	181.383	+15
G132	(181.750 +109)		181.807	-1	181.818	-3	181.818	-4	(181.772 +120)	
G252	(182.149 +733)		(181.212 +628)		181.800	-20	181.824	-33	181.822	+4
							181.826	5	13	6
							181.411	5	18	8
							181.814	3	6	4
							181.825	3	4	2
Mackay-Townsville										
	05	21	05	21	06	06	06	06		
G20 A	109.780	-10	109.781	-13	109.770	-11	109.768	-16	109.775	
G101	109.561	-7	109.550	+16	109.553	-8	109.567	+21	109.558	
G132	(109.814 +55)		(109.811 +58)		109.725	-11	(109.792 +135)		109.725	
G252	109.740	+36	109.761	-9	109.752	-13	109.758	0	109.753	
								4	7	3
								4	8	4
								1	—	—
								4	9	5
Rockhampton-Mackay										
	05	19	05	20	05	20	06	07	06	07
G20 A	140.619	+4	140.685	-24	140.650	+45	140.636	-16	140.654	+22
G101	140.312	+5	140.312	-3	140.317	-14	140.326	+10	140.323	+4
G132	(140.669 +109)		(140.580 +80)		140.613	+19	140.638	-27	140.653	+5
G252	140.648	+5	140.607	+18	140.632	-15	140.595	-36	140.631	+38
								140.649	5	24
								140.318	5	6
								140.635	3	20
								140.623	5	21
										10
Brisbane-Rockhampton										
	05	18	05	18	06	08	06	08		
G20 A	285.648	+8	285.628	+49	285.669	+45	285.640	-12	285.646	
G101	284.957	-27	284.951	-16	284.902	-14	284.929	+39	284.935	
G132	(285.597 +239)		(285.669 +103)		(285.590 +74)		(285.603 +101)		(285.590)	
G252	285.568	+15	285.579	-6	285.591	-27	285.617	+24	285.589	
								4	17	9
								4	25	12
								0		
								4	21	11
Kempsey-Brisbane										
	05	17	05	17	06	10	06	10	06	11
G20 A	(265.992 +148)		266.076	-24	266.061	-34	266.078	+4	266.062	+27
G101	265.447	-4	265.437	+16	265.447	+23	265.432	-12	(265.395 +103)	
G132	(266.026 +95)		266.080	-14	266.049	+44	(266.090 +150)		(265.974 +159)	
G252	266.066	-20	266.064	-16	266.036	-39	266.057	+11	266.033	-2
								266.069	4	9
								265.441	4	8
								266.065	2	22
								266.051	5	16
										7

<i>Meter No.</i>	<i>Measured Intervals (mGal) and Apparent Drift (μGal) Dates</i>								<i>Mean Interval (mGal)</i>	<i>k</i>	<i>m ± (μGal)</i>	<i>M ± (μGal)</i>
Sydney-Kempsey												
	<i>05</i>	<i>16</i>	<i>05</i>	<i>16</i>	<i>06</i>	<i>12</i>	<i>06</i>	<i>12</i>				
G20 A	273.809	— 2	273.805	+ 7	273.786	— 26	273.802	+ 6	273.801	4	10	5
G101	(273.132	— 141)	(273.106	— 89)	273.169	— 23	273.172	— 16	273.171	2	2	2
G132	(273.741	+ 111)	273.771	+ 50	(273.793	+ 127)	(273.829	+ 208)	273.771	1	—	—
G252	273.735	— 18	(273.689	+ 78)	273.720	— 33	(273.782	+ 94)	273.728	2	11	8

													<i>Mean Interval</i>	<i>K</i>	<i>m ±</i>	<i>M ±</i>
<i>Meter No.</i>	<i>Measured Intervals (mGal) and Apparent Drift (μGal) Dates</i>												<i>(mGal)</i>		<i>(μGal)</i>	<i>(μGal)</i>
Canberra-Sydney																
	<i>05</i>	<i>12</i>	<i>05</i>	<i>12</i>	<i>05</i>	<i>12</i>	<i>06</i>	<i>13</i>	<i>06</i>	<i>13</i>	<i>06</i>	<i>13</i>				
G20 A	−78.907	−15	−78.915	+2	(−78.818	+129)	−78.908	−49	−78.879	+15	(−78.984	+184)	−78.902	4	16	8
					[−78.839	+166]					[−78.971	+202]				
G101	−78.714	−38	−78.722	−18	−78.649	+23	(−78.666	+60)	−78.712	−31	−78.707	+28	−78.701	5	29	13
					[−78.688	−63]					[−78.704	+22]				
G132	(−79.003	+176)	(−79.391	+873)	−78.913	−28	(−78.854	−71)	(−78.851	−59)	(−78.207	+656)	−78.913	1	—	—
					[−79.387	+867]					[−78.971	+202]				
G252	−78.858	+3	−78.877	+36	(−78.817	−141)	−78.873	−10	−78.863	+13	(−78.878	+58)	−78.868	4	9	4
					[−78.892	+2]					[−78.881	+50]				

Meter No.	Measured Intervals (mGal) and Apparent Drift (μ Gal) Dates						Mean Interval (mGal)	k	m $\pm$ (μ Gal)	M $\pm$ (μ Gal)
Melbourne-Canberra										
	05	03	05	03	05	10	05	10	05	11
G20 A	(340.000 + 96)		(340.066 + 239)		340.052 -15		340.056 -23		(340.128 + 245)	
G101	(339.300 -65)		(339.296 -71)		339.278 -24		(339.233 + 61)		339.230 + 46	
G132	(340.188 + 264)		(340.488 + 935)		(340.017 + 156)		(340.204 -204)		(340.160 + 417)	
G252	339.983 -3		340.001 + 44		339.991 + 7		333.978 + 33		(339.989 + 99)	
									340.054	2
									339.254	2
									—	3
									339.988	34
										24
										5
Flinders Island-Melbourne										
	05	04	05	04	05	09	05	09		
G20 A	243.249 + 19		243.256 + 33		243.297 -44		243.273 + 6		243.269	4
G101	(242.752 -53)		242.755 -49		242.727 + 15		242.730 + 8		242.737	3
G132	(243.085 + 635)		(243.032 + 559)		(243.291 + 131)		(243.197 + 346)		—	15
G252	243.216 -44		243.247 + 15		243.218 + 37		243.222 + 31		243.226	9
										7
Hobart-Flinders Island										
	05	05	05	05	05	07	05	07	05	08
G20 A	245.118 -15		245.120 -11		245.128 -45		245.115 -16		(245.054 + 87)	
G101	244.490 + 37		244.463 -14		244.547 -31		244.521 -26		244.475 + 47	
G132	(245.242 -281)		(245.529 + 825)		(245.094 + 157)		(245.114 + 111)		(245.264 + 594)	
G252	245.005 + 6		245.029 + 50		245.046 + 43		(245.039 + 57)		245.043 + 47	
									245.120	4
									244.499	6
									—	34
									245.031	19
										9

APPENDIX 5H GROUND TIE INTERVALS MEASURED 1973, CALIBRATION RANGES AND ADDITIONAL TIES

<i>Station</i>	<i>Meter No.</i>	<i>Intervals (mGal)</i>	<i>Mean Interval (mGal)</i>	<i>k</i>	<i>m (μGal)</i>	<i>M (μGal)</i>
Port Moresby 7090.0176-7390.0376	G20 A	52.353 +2 [53.343 +19] 52.337 +4	52.345	2	11	8
	G101	52.219 -19 [52.211 -1] 52.218 +14	52.219	2	1	0
	G132	52.366 +7 [52.358 +19] 52.349 -2	52.358	2	12	8
	G252	52.334 +12 [52.335 +9] 52.333 +4	52.334	2	1	0
Port Moresby 7090.0576-7390.0176	G20 A	—	—	—	—	—
	G101	3.604 +12 [3.596 +24] 3.580 -8 3.587 -25	3.590	3	12	7
	G132	3.610 +2 [3.612 -2] 3.616 +6 3.619 -1	3.615	3	5	3
	G252	3.629 +22 [3.617 +41] 3.592 -7 3.602 -28	3.608	3	19	11
Port Moresby 7390.0176-7390.0276	G20 A	0.465 +22 [0.473 +4] 0.477 +13 [0.491 -13] 0.492 -10	0.478	3	14	8
	G101	0.484 +2 [0.481 +8] 0.482 +10 [0.492 -8] 0.496 +2	0.487	3	8	4
	G132	0.486 +21 [0.499 -5] 0.500 -3 [0.499 -1] 0.493 -13	0.493	3	7	4
	G252	0.488 -23 [0.481 -5] 0.464 -41 [0.460 -34] 0.473 -7	0.475	3	12	7
Brisbane 6091.0147-6091.0247	G20 A	58.228 +10 [58.230 +3] 58.226 -6 [58.221 +5] 58.223 +11	58.226	3	3	1
	G101	58.077 -8 [58.077 -6] 58.091 +21 [58.086 +32] 58.093 +48	58.087	3	9	5
	G132	58.216 +9 [58.223 -7] 58.229 +5 [58.221 +21] 58.212 +5	58.219	3	9	5
	G252	58.218 -9 [58.218 -6] 58.226 +9 [58.227 +6] 58.236 +23	58.227	3	9	5
Brisbane 6091.0147-7390.0147	G20 A	9.128 -44 [9.118 -23] 9.135 +11 9.139 +3	9.134	3	6	3
	G101	9.136 -28 [9.116 +15] 9.106 -5 9.109 -17	9.117	3	17	10
	G132	9.126 +9 [9.141 -24] 9.151 -7 9.145 +3	9.141	3	13	8
	G252	9.147 -22 [9.137 0] 9.139 +5 9.144 -7	9.143	3	4	2
Brisbane 7390.0147-7390.0247	G20 A	0.673 -5 [0.669 +5] 0.677 +19 [0.691 -9] 0.687 -16	0.679	3	7	4
	G101	0.693 +18 [0.695 +11] 0.683 -13 [0.680 -5] 0.674 -17	0.683	3	10	5
	G132	0.689 -5 [0.682 +10] 0.691 +25 [0.705 -3] 0.701 -12	0.694	3	6	4
	G252	0.661 +2 [0.662 0] 0.666 +8 [0.668 +5] 0.656 -17	0.661	3	4	3

Station	Meter No.	Intervals (mGal)	Mean Interval (mGal)	k	m (μ Gal)	M (μ Gal)
Sydney 6891.0105-5099.9905	G20 A	13.016 -23 [13.024 -10] 13.011 +26 [12.999 +8] 13.001 +4	13.009	3	8	4
	G101	12.977 +49 [12.962 +22] 12.971 -4 [12.975 +2] 12.974 +6	12.974	3	3	2
	G132	12.988 +38 [12.972 +12] 12.980 -13 [13.014 +38] 13.010 +45	12.993	3	16	9
	G252	12.998 +10 [12.987 -8] 12.982 +4 [12.987 +11] 12.965 +69	12.982	3	17	10
Sydney 7390.0105-5099.9905	G20 A	14.339 -23 [14.351 +8] 14.339 +26 [14.323 -17] 14.310 +4	14.329	3	17	10
	G101	14.299 +49 [14.277 -10] 14.274 -4 [14.272 -6] 14.265 +6	14.279	3	13	8
	G132	14.276 +38 [14.281 +50] 14.319 -13 [14.316 -20] 14.277 +45	14.291	3	25	14
	G252	14.293 +10 [14.290 0] 14.287 4 [14.292 +16] (14.259 +69)	14.290	2	4	3
Sydney 7390.0105-6891.0105	G20 A	1.321 -10 [1.334 -8] 1.334 +8 1.315 -17	1.323	3	10	6
	G101	1.328 +22 [1.304 -10] 1.300 +2 1.294 -6	1.307	3	18	10
	G132	1.294 +12 [1.320 +50] 1.324 +38 1.282 -20	1.300	3	22	12
	G252	1.300 -8 [1.306 0] 1.303 +11 1.307 +16	1.303	3	4	2
Sydney 7390.0105-7090.0105	G20 A	3.346 +6 [3.352 -4] 3.353 -2 3.347 -8	3.349	3	4	2
	G101	3.310 +4 [3.319 -15] 3.327 -1 3.335 -13	3.324	3	13	7
	G132	3.372 +5 [3.372 +7] 3.368 0 3.355 19	3.365	3	9	5
	G252	3.367 -28 [3.348 +5] 3.349 +10 3.356 -2	3.357	3	9	5
Sydney 6891.0305-7090.0105	G20 A	2.833 -10 [2.830 -4] 2.835 +3 [2.832 +8] 2.827 -2	2.832	3	4	2
	G101	2.791 +9 [2.800 -15] 2.817 +11 [2.827 -13] 2.828 -10	2.812	3	19	11
	G132	2.857 +11 [2.859 +7] 2.850 -8 [2.838 +19] 2.827 -1	2.855	3	4	2
	G252	2.851 -20 [2.841 +5] 2.843 +9 [2.848 -2] 2.849 0	2.848	3	4	2

<i>Station</i>	<i>Meter No.</i>	<i>Intervals (mGal)</i>	<i>Mean Interval (mGal)</i>	<i>k</i>	<i>m (μGal)</i>	<i>M (μGal)</i>
Canberra 6491.0304-6491.0204 April 1973	G20 A	54.781 + 1 [54.774 + 14] 54.763 - 7 [54.763 - 6] 54.764 - 4	54.769	3	10	6
	G101	54.639 + 6 [54.648 - 15] 54.660 + 5 [54.651 + 25] 54.646 + 16 [54.659 - 13] 54.659 - 13	54.651	4	10	5
	G132	54.750 + 11 [54.752 + 2] 54.758 + 16 [54.764 + 6] 54.759 - 4	54.756	3	5	3
	G252	54.765 - 34 [54.740 + 18] 54.745 + 28 [54.760 - 4] 54.759 - 7	54.756	3	10	6
Canberra 6491.0304-6491.0204 June 1973	G20 A	54.748 + 9 [54.743 + 19] 54.738 + 9 [54.747 - 11] 54.754 + 1 [54.753 + 2] 54.747 - 9	54.747	4	7	3
	G101	54.593 + 29 [54.621 - 23] 54.637 + 11 [54.631 + 24] 54.617 - 4	54.616	3	22	13
	G132	—	—			
	G252	54.713 + 11 [54.719 + 1] 54.713 - 9 [54.713 - 8] 54.725 + 16	54.717	3	7	4
Melbourne 6491.0101-7213.0101	G20 A	15.690 + 30	15.690	1	—	—
	G101	15.616 + 20	15.616	1	—	—
	G132	15.682 + 31	15.680	1	—	—
	G252	15.658 + 8	15.658	1	—	—
Hobart 6491.0160-7390.0260	G20 A	1.261 + 16 [1.278 - 17] 1.283 - 7	1.272	2	16	11
	G101	1.251 + 5 [1.251 + 5] 1.251 + 5	1.251	2	0	0
	G132	1.251 + 14 [1.266 - 19] 1.280 + 6	1.266	2	21	14
	G252	1.235 + 4 [1.251 - 28] 1.277 + 16	1.256	2	30	21

APPENDIX 5I GROUND TIE INTERVALS MEASURED 1973, SOVIET STATIONS TO PERMANENT STATION

Station	Meter No.	Intervals (μ Gal)	Mean (mGal)	k	m (μ Gal)	M (μ Gal)
Laiagam 7390.1029-6791.9029	G20 A	178, 161, 193	+ .177	3	16	9
	G101	168, 171, 158	+ .166	3	7	4
	G132	166, 169, 178	+ .171	3	6	4
	G252	192, 194, 164	+ .183	3	17	10
Mount Hagen 7390.0178-6791.0178	G20 A	522, 544, 531, 539, 541, 552, 535, 542	- .538	8	9	3
	G101	521, 537, 541, 526, 549, 537, 545, 536	- .536	8	9	3
	G132	546, 522, 525, 558, 546, (487), 506, 546	- .536	7	18	7
	G252	529, 550, 556, 517, 542, 564, 526, 520	- .538	8	6	6
Lae 7390.0177-6791.0177	G20 A	657, 665, 655, 644, 629, 642, 644, 647	+ .648	8	11	4
	G101	668, 667, 657, 650, 638, 662, 650, 679	+ .659	8	13	5
	G132	669, 638, 638, 613, 661, 630, 634, 628	+ .639	8	18	6
	G252	651, 651, 654, 627, 637, 661, 652, 642	+ .647	8	11	4
Port Moresby 7390.0176-6791.0476	G20 A	621, 614, 593, 626, 597, 622, 618	+ .613	7	13	5
	G101	641, 633, 611, 626, 614, 612, 628	+ .624	7	12	4
	G132	648, 602, 666, 643, 652, 658, 655	+ .646	7	21	8
	G252	624, 642, 630, 628, 618, 640, 649	+ .633	7	11	4
Iron Range 7390.1073-6600.0025	G20 A	316, 307, 313, 307, 325, 333, 323, 314	- .317	8	9	3
	G101	307, 287, 313, 307, 301, 334, 304, 299	- .307	8	13	5
	G132	343, 306, 310, 302, 325, 313, 299, 313	- .314	8	14	5
	G252	294, 299, 309, 298, 318, 310, 331, 318	- .310	8	12	4
Cooktown 7390.1072-7090.1072	G20 A	188, 191, 203, 191, 170, 202, 195, 190, 184	+ .190	9	10	3
	G101	183, 196, 183, 200, 189, 199, 205, 181, 180	+ .191	9	9	3
	G132	189, 203, 199, 217, 213, (245), 195, 190, 203	+ .201	8	10	4
	G252	199, 206, 190, 201, 170, 213, 197, 199, 192	+ .196	9	12	4
Townsville 7390.0151-7090.0151	G20 A	229, 213, 238, 225, 203, 223, 225, 213, 228, 235	+ .223	10	11	3
	G101	217, 234, 250, 239, 234, 250, 221, 234, 239, 243	+ .236	10	11	3
	G132	221, 256, 262, 236, 252, 238, 244, 237, 252, 221	+ .242	10	14	4
	G252	240, 234, 246, 225, 227, 235, 225, 235, 223, 227	+ .232	10	8	2
Mackay 7390.0161-6491.0161	G20 A	102, 104, 95, 114, 108, 110, 126, 115, 112	- .110	9	9	3
	G101	103, 101, 114, 102, 119, 114, 103, 121, 95	- .109	9	9	3
	G132	102, 71, 129, 108, 87, 131, 101, 78, 93	- .100	9	21	7
	G252	104, 102, 105, 114, 99, 99, 107, 112, 105	- .105	9	5	2

<i>Station</i>	<i>Meter No.</i>	<i>Intervals (mGal)</i>	<i>Mean (mGal)</i>	<i>k</i>	<i>m (μGal)</i>	<i>M (μGal)</i>
Rockhampton 7390.0149-6499.0149	G20 A	464, 450, 439, 429, 458, 438, 447, 452, 434, 438	+.445	10	11	4
	G101	428, 428, 437, 436, 457, 455, 446, 456, 448, 452	+.444	10	11	4
	G132	467, 432, 453, 452, 429, 450, 452, 451, 453, 452	+.449	10	11	3
	G252	452, 462, 461, 417, (475), 449, 433, 444, 428, 439	+.442	9	14	5
Brisbane 7390.0147-7213.0147	G20 A	378, 364, 359, 343, 349, 356, 371, 356, 362	+.360	9	11	4
	G101	355, 345, 359, 361, 357, 353, 349, 370, 366	+.357	9	8	3
	G132	350, 377, (320), 365, 365, 375, 372, 375, 375	+.369	8	9	3
	G252	367, 387, 361, 332, 375, 382, 361, 378, 379	+.369	9	17	6
Kempsey 7390.1111-6491.9111	G20 A	80, 72, 88, 91, 96, 85, 97, 96, 78, 95	-.088	10	9	3
	G101	71, 102, 65, 90, 100, 78, 60, 64, 77, 84	-.079	10	15	5
	G132	70, 62, 88, 70, 60, 92, 82, 65, 78, 69	-.074	10	11	3
	G252	70, 103, 76, 65, 70, 92, 92, 76, 88, 85	-.082	10	12	4
Sydney 7390.0105-6891.0305	G20 A	510, 508, 521, 505, 521, 516, 509, 505, 503, 514, 520, 499, 509	+.511	13	7	2
	G101	518, 515, 498, 522, 517, 505, 507, 494, 519, 509, 506, 528, 516	+.512	13	10	3
	G132	522, 532, 518, 519, 513, 521, 524, 497, 533, 523, 524, 534, 501	+.520	13	11	3
	G252	510, 528, 522, 515, 507, 508, 509, 515, 513, 541, 519, 531, 519	+.518	13	10	3
Canberra 7390.0104-6893.0104	G20 A	613, 591, 595, (745), 609, 593, 584, 619, 580, 596, 583	+.596	10	13	4
	G101	598, 561, 633, 605, 608, 599, 614, 588, 608, 582, 585	+.598	11	19	6
	G132	(499), 615, 598, (687), 551, 555, 588, 583, 574, 569, (631)	+.579	8	22	8
	G252	603, 581, 595, (640), 621, 624, 605, 599, 590, 596, 604	+.602	10	13	4
Melbourne 7390.0101-6491.0101	G20 A	41, 52, 46, 58, 45, 32, 47, 51, 43, 61	+.048	10	8	3
	G101	51, 29, 53, 7, 56, 38, 45, 39, 63, 50	+.043	10	16	5
	G132	72, (98), (96), 26, 47, 43, 59, 41, 54, 61	+.050	8	14	5
	G252	40, 61, 63, 38, 45, 54, 58, 50, 22, 19	+.045	10	15	5
Flinders Island 7390.1140-6491.9140	G20 A	243, 224, 243, 220, 231, 242, 244, 235, 228, 240, (166)	-.235	10	9	3
	G101	218, 234, 232, 248, 199, 240, 211, 263, 238, 260, 221	-.233	11	20	6
	G132	273, 228, 236, 212, 245, 212, 246, 265, (187), 230, 224	-.237	10	20	6
	G252	250, 224, 212, (186), 232, 221, 222, 223, 229, 219, 243	-.228	10	11	4
Hobart 7390.0160-6491.0160	G20 A	335, 353, 333, 337, 319, 328	+.334	6	11	5
	G101	311, 309, 311, 359, 337, 338	+.328	6	20	8
	G132	318, 335, 324, 320, 321, 332	+.325	6	7	3
	G252	313, 334, 302, 339, (222), 341	+.326	5	17	8

APPENDIX 6 GRAVITY VALUES OF AUSTRALIAN CALIBRATION LINE STATIONS

(Sydney A assumed 979 671.860, Soviet Scale)

<i>Place</i>	<i>IGC No.</i>	<i>BMR No.</i>	<i>Gravity Value (mGal)</i>	
Laiagam	34653 L	7390.1029	977 488.632	
	34653 J	6791.9029	977 488.458	
Mount Hagen	34654 M	7390.0178	977 662.540	
	34654 K	6791.0178	977 663.077	
Menyamya	34675 J	6791.9035	977 816.822	
Lae	34667 M	7390.0177	977 996.691	
	34667 K	6791.0177	977 996.043	
Port Moresby	34697 T	7390.0176	978 198.575	
	34697 V	7390.0376	978 154.612	
	34697 Q	7090.0176	978 206.978	
	34697 C	7090.0376	978 202.283	Not recommended
	34697 S	7090.0476	978 198.142	Not now re-occupiable
	34697 D	7090.0576	978 202.184	
	34697 L	6791.0476	978 197.946	
Thursday Island	38202 K	6691.1001	978 229.762	
Iron Range	38223 L	7390.1073	978 331.392	
	38223 K	6600.0025	978 331.704	
Cooktown	38255 M	7390.1072	978 427.949	
	38255 L	7090.1072	978 427.755	
	38255 K	6491.1072	978 421.084	
Cairns	38265 L	6591.0252	978 484.607	
	38265 A	5099.9952	978 486.139	
Townsville	38296 Q	7390.0151	978 609.839	
	38296 O	7090.0151	978 609.606	
	38296 N	6591.0151	978 609.560	Not now re-occupiable
	38296 A	5099.9951	978 609.622	
Mackay	41819 M	7390.0161	978 719.658	
	41819 A	6499.9961	978 720.645	
	41819 J	6491.0161	978 719.764	
Rockhampton	41730 M	7390.0149	978 860.353	
	41730 L	7090.0149	978 860.108	
	41730 J	6591.0149	978 859.218	
	41730 K	6499.0149	978 859.908	
Maryborough	41752 J	6591.0148	979 008.963	
	41752 A	5099.9948	979 007.208	
Brisbane	41773 S	7390.0147	979 146.102	
	41773 T	7390.0247	979 145.422	
	41773 R	7213.0147	979 145.738	
	41773 J	6491.0147	979 145.440	Not now re-occupiable
	41773 D	6091.0147	979 155.245	
Grafton	41792 J	6491.1110	979 306.299	
	41792 K	6491.9110	979 315.303	
Kempsey	45312 L	7390.1111	979 412.277	
	45312 K	6491.1111	979 422.125	
	45312 J	6491.9111	979 412.358	
Williamstown	45321 J	7090.9402	979 568.273	

<i>Place</i>	<i>IGC No.</i>	<i>BMR No.</i>	<i>Gravity Value (mGal)</i>	
Sydney	45331 X	7390.0105	979 686.173	
	45331 U	7090.0105	979 682.821	
	45331 V	6891.0105	979 684.863	Not recommended
	45331 T	6891.0305	979 685.658	
	45331 J	6491.0105	979 684.802	Not now re-occupiable
	45331 A	5099.9905	979 671.860	
Canberra	45459 P	7390.0104	979 607.241	
	45459 M	6893.0104	979 606.646	
	45459 J	6491.0104	979 606.379	Not now re-occupiable
Albury	45466 L	6793.1136	979 751.711	
Melbourne	45474 W	7390.0101	979 947.421	
	45474 V	7213.0101	979 931.698	
	45474 —	7090.0101	979 947.343	Not recommended
	45474 M	6491.0101	979 947.375	
	45474 A	5099.9901	979 965.207	
Flinders Island	49007 K	7390.1140	980 190.794	
	49007 L	6491.9140	980 191.027	
Launceston	49017 N	6850.0271	980 261.934	
	49017 J	6491.0171	980 262.204	
Hobart	49027 P	7390.0160	980 435.982	
	49027 Q	7390.0260	980 434.392	
	49027 K	6491.0160	980 435.654	
	49027 L	6091.0160	980 431.003	

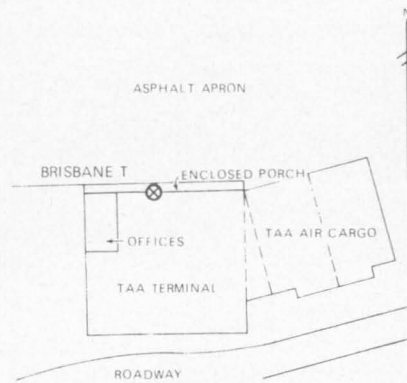
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APPENDIX 7

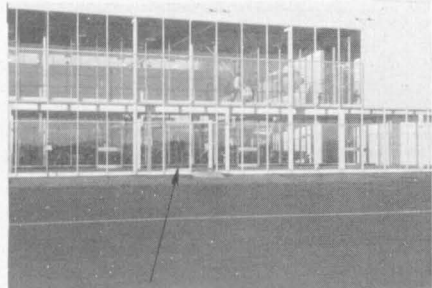
BRISBANE R & T (AUSTRALIA)

Brisbane R (7213.0147) is in the baggage claim area of Ansett terminal at Brisbane 'Eagle Farm' airport. The station is next to the partition bounding the parking lot, at the corner close to the passenger waiting area of the terminal, just underneath a 'red' telephone. Marked by a brass disc.

Brisbane T (7390.0247) is in the covered concrete porch which is on the apron side of the passenger waiting room of the 1972 TAA terminal at Brisbane airport. The station is on the waiting room side of the porch halfway along the building and opposite the westmost passenger opening to the apron. Marked by a brass disc.



BRISBANE R



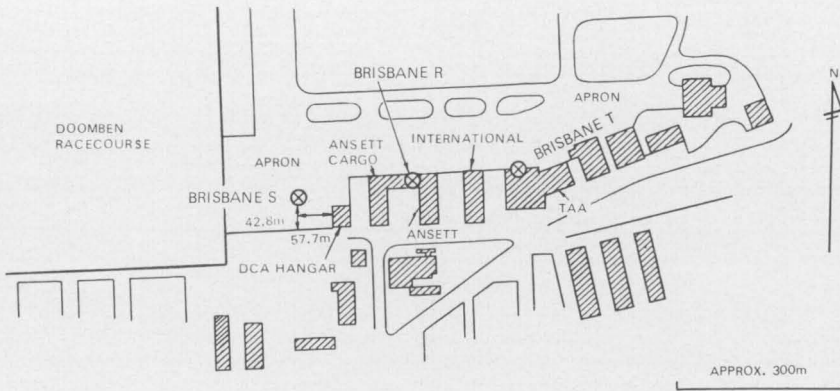
BRISBANE T

G 65-378 A

APPENDIX 7

BRISBANE S (AUSTRALIA)

Brisbane S (7290,0147) is at Brisbane airport on the asphalt apron in the 'general aviation area' just north of the 'V.I.P. area'. The station is 57.7m west of the line of the DCA hangar, 42.8m north of the fence bounding the apron, and is 22.1m southeast and 25.6m southwest of two separate drain gratings. Marked by orange paint.



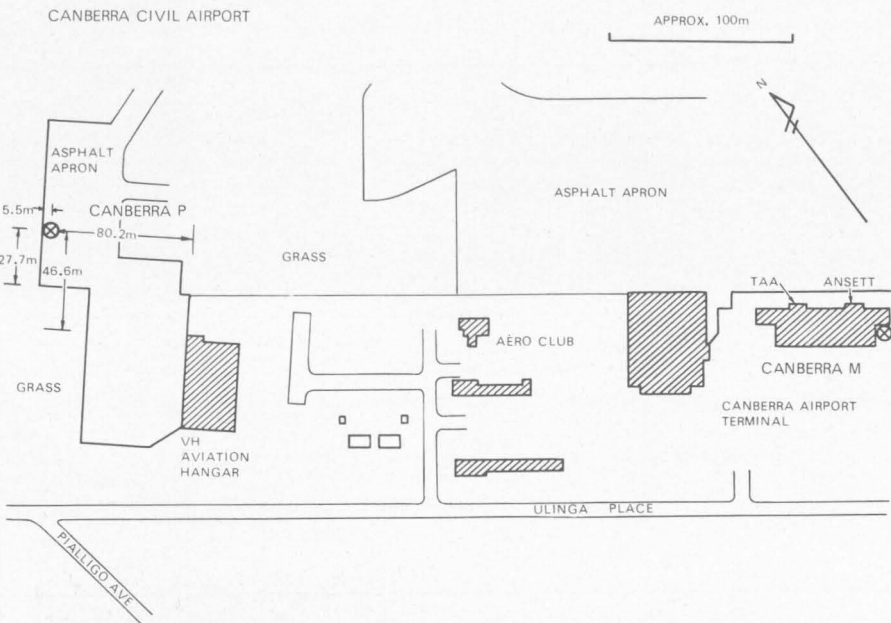
G 65- 379 A

APPENDIX 7

CANBERRA P & M (AUSTRALIA)

Canberra P (7390.0104) is at Canberra airport on the asphalt parking area near the VH Aviation hangar. The station is 80.2m northwest of the line of the northwest wall of the VH Aviation hangar, 46.6m northeast of the line of the verandah poles of the hangar, 27.7m northeast and 5.5m southeast of the asphalt margin. Marked by orange paint.

Canberra M (6893.0104) is in the Ansett baggage claim area of Canberra airport. The station is on concrete, at the northern corner of the claim area. Marked by a brass disc. For details see BMR sketch 155/B2-19-3.



CANBERRA P



CANBERRA M

665-380A

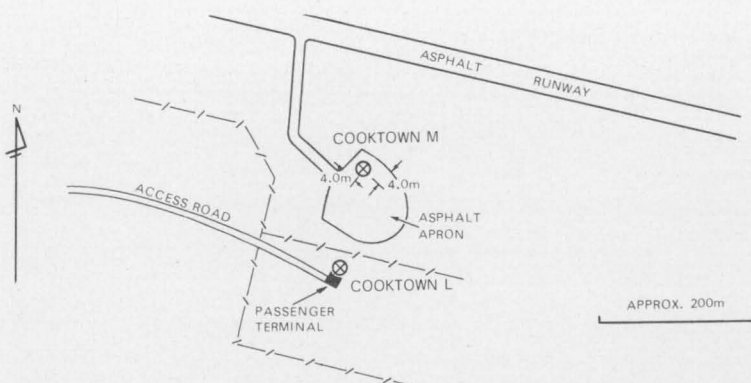
APPENDIX 7

COOKTOWN L&M (AUSTRALIA)

Cooktown M (7390.1072) is near the northern corner of the asphalt apron at Cooktown airstrip, about 4m from the northwest and north margins of the asphalt. Marked by orange paint.

Cooktown L (7090.1072) is at the base of the steps to the Cooktown airstrip terminal building near the centre of a large concrete slab. Marked by a brass disc. For details see BMR sketch number D55/B2-19.

COOKTOWN AIRPORT



COOKTOWN M



COOKTOWN L

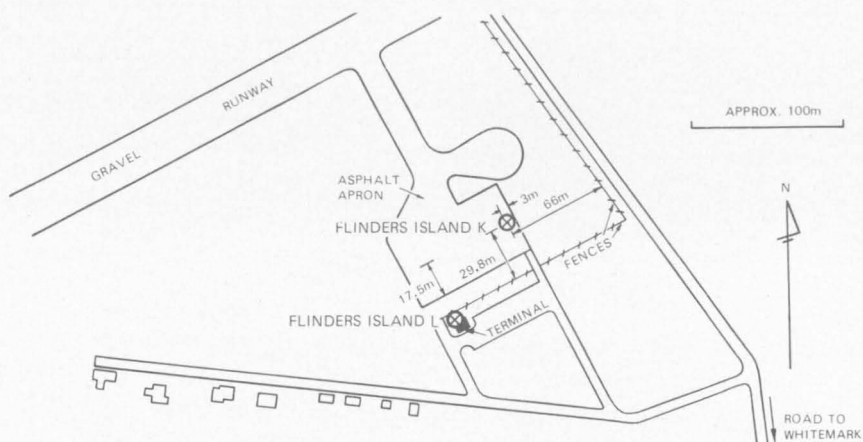
G 65-381 A

APPENDIX 7

FLINDERS ISLAND K&L (AUSTRALIA)

Flinders Island K (7390.1140) is near the southeast corner of the asphalt apron at the air-port. The station is 29.8m northwest of the apron/parking area fence, 66m southwest of the apron/road fence, and 3m southwest and 17.5m northwest of the asphalt apron margins. Marked by orange paint.

Flinders Island L (6491.9140) is in the west corner of porch of the Flinders Island airport terminal, 1.3m from the southwest wall, and 0.3m from the northwest wall. Marked by a brass disc. For details see BMR sketch number K55/B2-18.



FLINDERS ISLAND K



FLINDERS ISLAND L

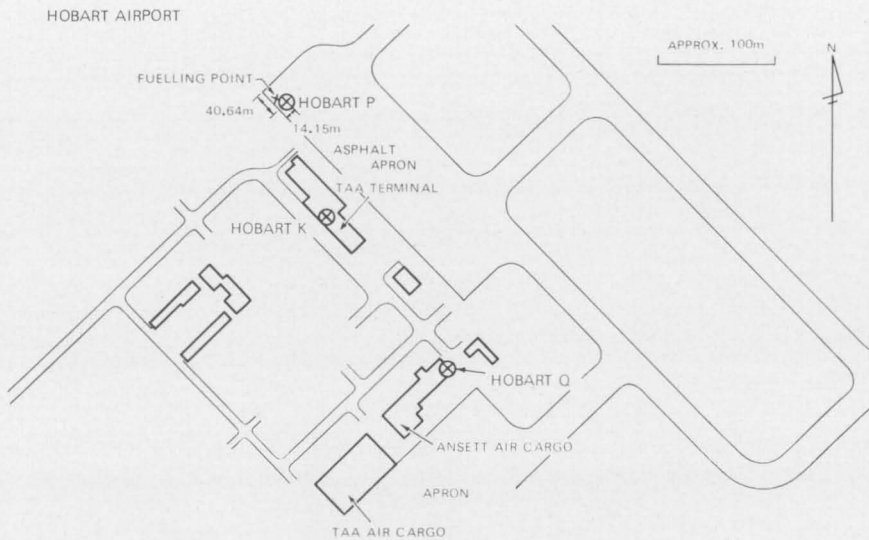
G65-382 A

APPENDIX 7

HOBART K & P (AUSTRALIA)

Hobart K (6491.0160) is at Hobart airport terminal building in the TAA luggage claim area. The station is on concrete at the base of the TAA entrance steps, 0.3m southeast of the brick wall of the terminal building, and 0.3m southwest of the base of the steps. Marked by a brass disc. For details see BMR sketch number K55/B2-25-2

Hobart P (7390.0160) is near the western corner of the passenger aircraft asphalt apron, 14.15m northeast and 40.64m southeast of the apron/grass margin, 6m northwest from an apron flood-light, and in the line of aircraft fuel points. Marked by orange paint.



HOBART K



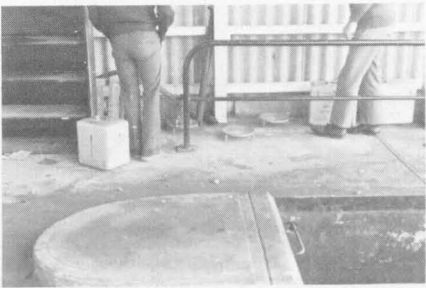
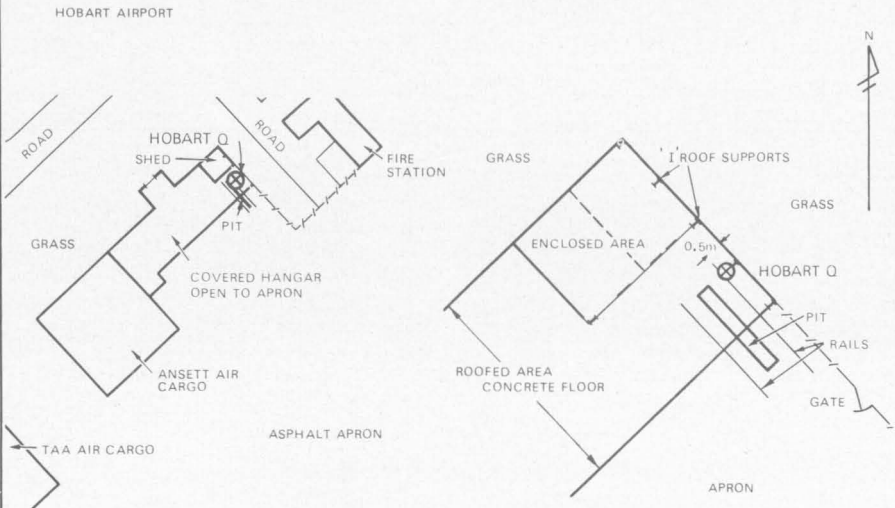
HOBART P

G65-384A

APPENDIX 7

HOBART Q
(AUSTRALIA)

Hobart Q (7390.0260) is in the Ansett hangar at Hobart airport, 0.5m from the northeast wall and opposite the northwestern end of a vehicle inspection pit. Marked by a brass disc.



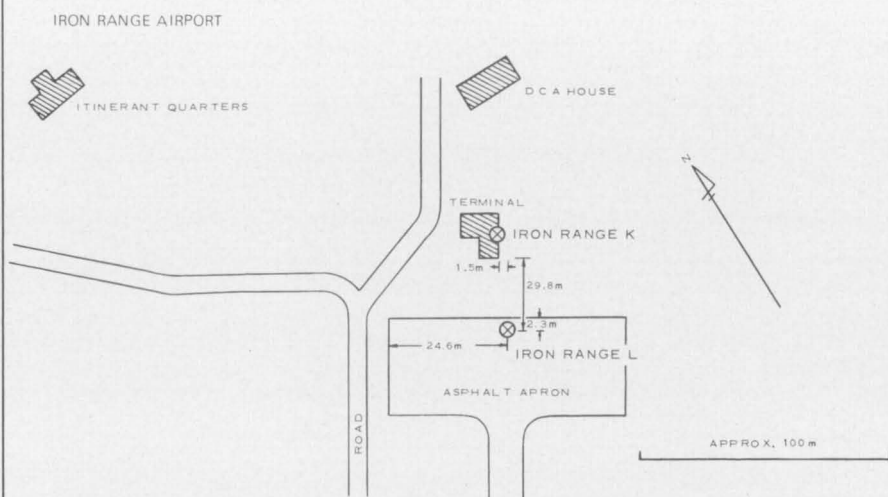
G 65-383 A

APPENDIX 7

IRON RANGE K & L (AUSTRALIA)

Iron Range L (7390.1073) is on the asphalt apron near the airport terminal building. The station is 24.6 m southeast and 2.3 m southwest of apron margins, and is 29.8 m south-west and 1.5 m southeast of the line of the walls of the terminal building at its south corner. Marked by orange paint.

Iron Range K (6600.0025) is near the eastern corner of the porch, on the southeastern side of the airport terminal building. Marked by a brass disc. For details see BMR sketch number D54/B2-17.



IRON RANGE L



IRON RANGE K

G65-385A

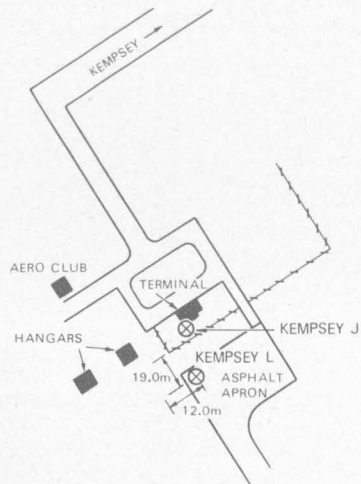
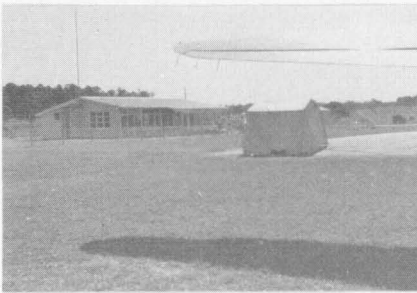
APPENDIX 7

KEMPSEY J&L (AUSTRALIA)

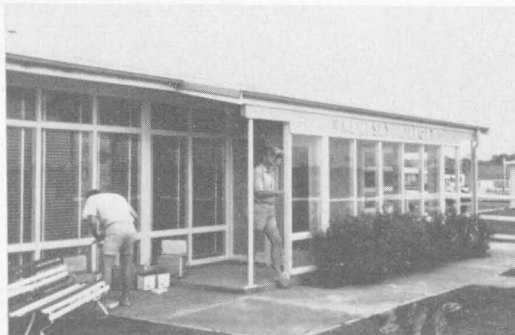
Kempsey L (7390.1111) is near the western corner of the asphalt apron at Kempsey airport. The station is 12m northeast of the line of the northeastern side of the Aero Club hangar, 19m south-east of the fence around the terminal building, and 1.8m northeast and 1.8m southeast of the apron margin. Marked by orange paint.

Kempsey J (6491.9111) is on the concrete path between the Kempsey airport terminal and the apron, next to the waiting room windows and at the base of the step to the southeastern door. Marked by a brass disc. For details see BMR sketch number H56/B2-17.

KEMPSEY AIRPORT



KEMPSEY L



KEMPSEY J

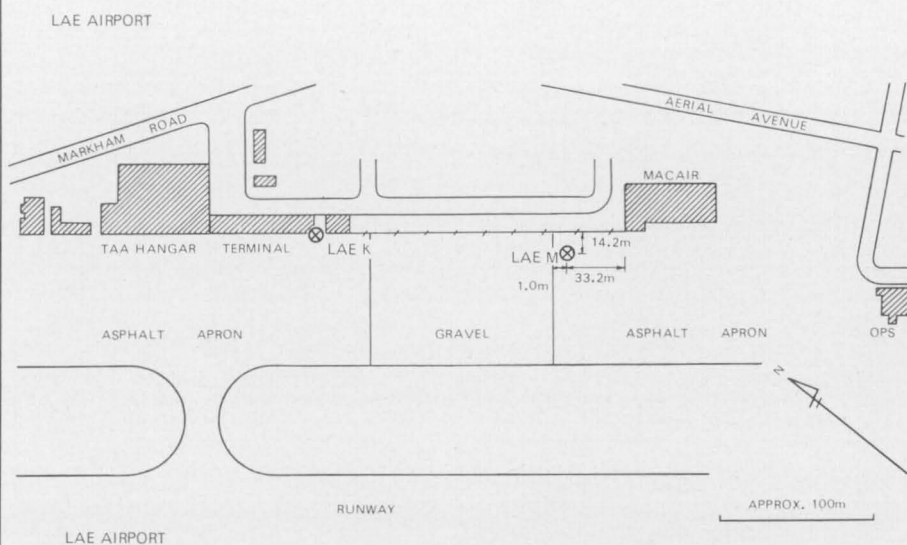
G65-386 A

APPENDIX 7

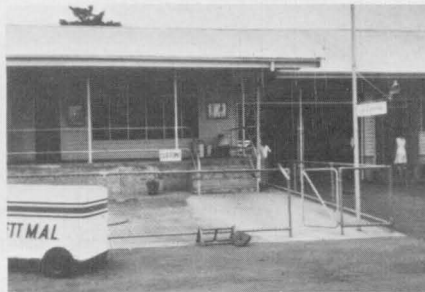
LAE K & M (PNG)

Lae K (6791.0177) is on the verandah of Ansett air traffic control office in the corner between the door and the adjacent railings to the south. Marked by a brass disc. For details see BMR sketch B55/B2-24.

Lae M (7390.0177) is on the asphalt apron of Lae airport near the Macair building. The station is 14.2m southwest of the fence bounding the tarmac, 33.2m northwest of the line of the north-west side of the Macair building, and 1.0m southeast of a gravel/asphalt boundary of the apron. Marked by orange paint.



LAE M



LAE K

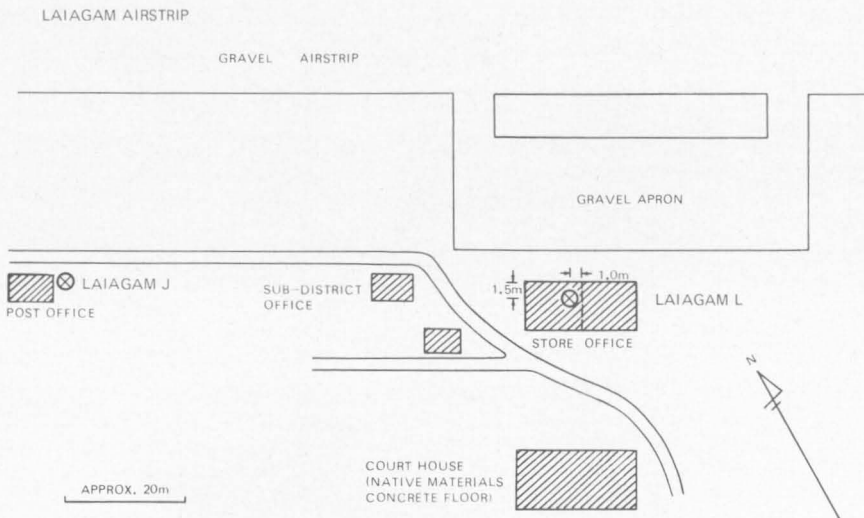
G65-387A

APPENDIX 7

LAIAGAM J & L (PNG)

Laiagam L (7390.1029) is within the store/office on the SSW margin of the aircraft parking area of Laiagam airstrip. Site is on the concrete floor of the store, 1.5m from the storeroom entrance, and 1m from the partition that divides the store from the office. Not marked.

Laiagam J (6791.9029) is on the southeast side of the Post Office building near its eastern corner. The station, is on a 2m by 1.3m concrete slab, 0.5m from the wall of the Post Office. Marked by a brass disc. For details see BMR sketch number B54/B2-18.



LAIAGAM J

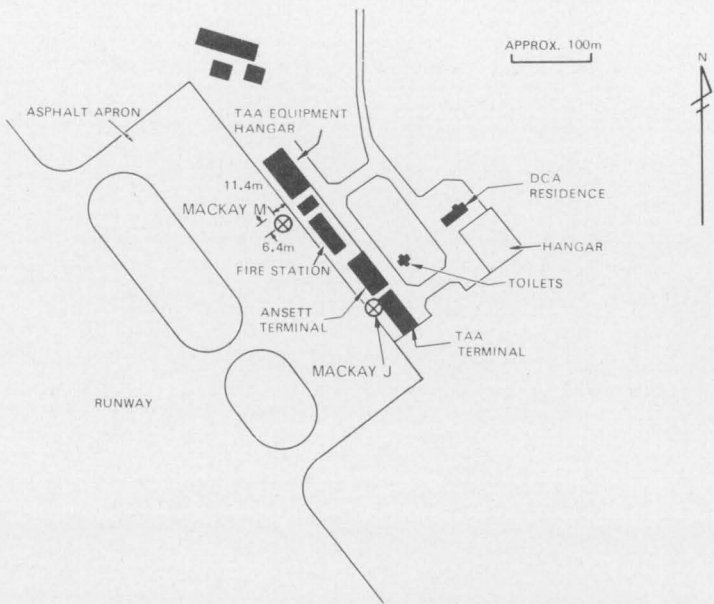
G 65-388A

APPENDIX 7

MACKAY J & M (AUSTRALIA)

Mackay M (7390.0161) is on asphalt airport apron between the TAA equipment hangar and the fire station. The station is 11.4m southwest of the asphalt margin and is 6.4m southeast of the line of the southeast margin of the TAA equipment hangar. Marked by orange paint.

Mackay J (6491.0161) is on the concrete between the TAA terminal/control tower and the Mackay airport apron. The station is 0.3m southwest of a floodlight pole, between the terminal entrance and an alleyway to the northwest. Marked by two brass discs. For details see BMR sketch number F55/B2-39.



MACKAY M



MACKAY J

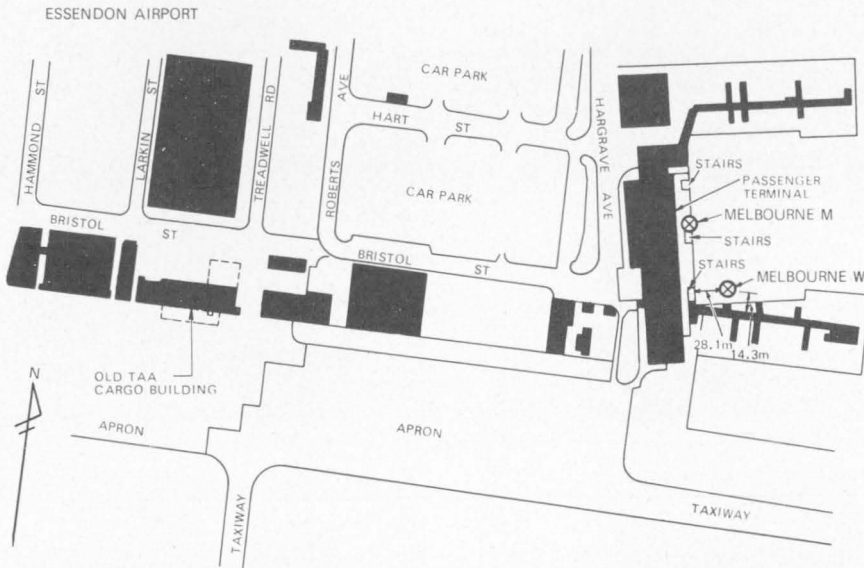
G 65-389A

APPENDIX 7

MELBOURNE M & W (AUSTRALIA)

Melbourne W (7390.0101) is on the concrete apron between the two walkways at Essendon Airport, Melbourne. The station is 28.1m east of wire fence separating the outdoor passenger area and the aircraft aprons and 14.3m north of the southern walkway. Marked by orange paint.

Melbourne M (6491.0101) is on the concrete outdoor area between the main passenger terminal of Essendon Airport and the concrete apron. The station is at ground level, at the base of the central stairway leading up to the observation balcony, 0.8m north of the stairs and 0.3m from the wire fence separating the outdoor passenger area and the aircraft apron. Marked by two brass discs. For details see BMR number J55/B2-62-3.



MELBOURNE W



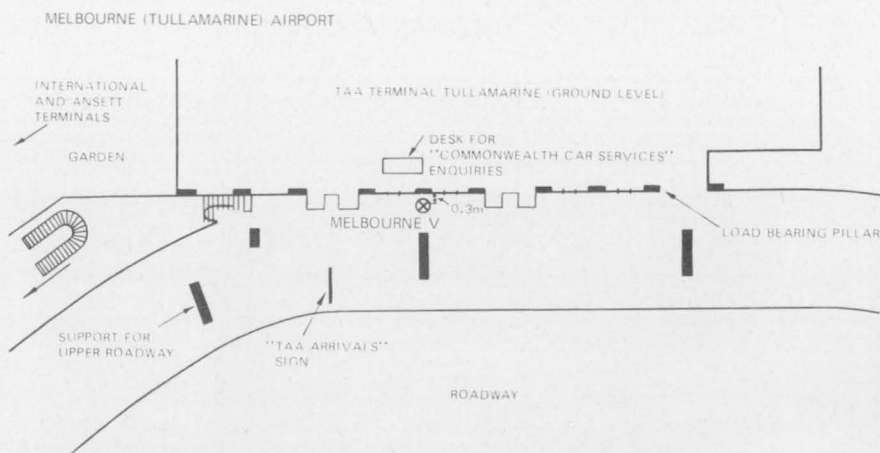
MELBOURNE M

G 65-390 A

APPENDIX 7

MELBOURNE V (AUSTRALIA)

Melbourne V (7213.0101) is at the TAA terminal at Melbourne (Tullamarine) airport on the concrete sidewalk (at ground level) between the terminal and the street. The station is under the overhead roadway, 0.3m from the building and midway along the TAA portion of the building. Not marked in October 1973.



G 65-391A

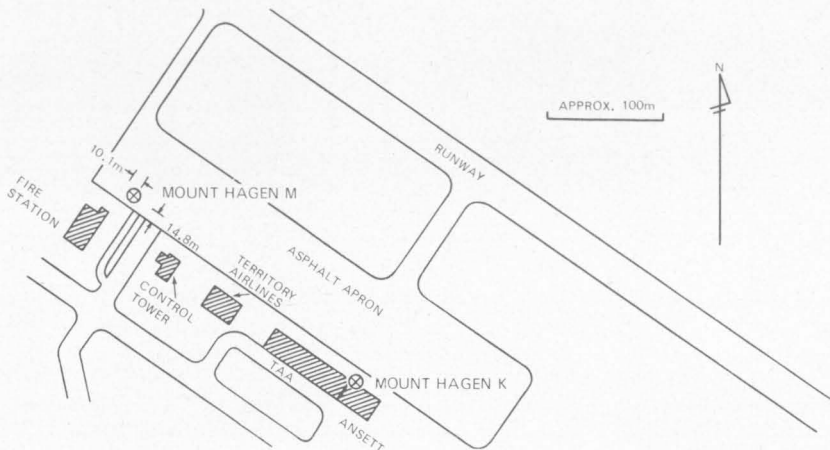
APPENDIX 7

MOUNT HAGEN K&M (PNG)

Mount Hagen M (7390.0178) is on the asphalt apron of Mount Hagen airport, opposite the grass between the fire station and the control tower. The station is 10.1m east of the line of the eastern wall of the fire station, and 14.8m north of the tarmac/grass boundary. Marked by orange paint.

Mount Hagen K (6791.0178) is on the concrete viewing area between the TAA terminal building and the airport apron. The station is 0.5m from the TAA terminal building and 0.5m from the southeast margin of the viewing area. Marked by a brass disc. For details see BMR sketch number B55/B2-17-1.

KAGAMUGA AIRPORT



MOUNT HAGEN K



MOUNT HAGEN M

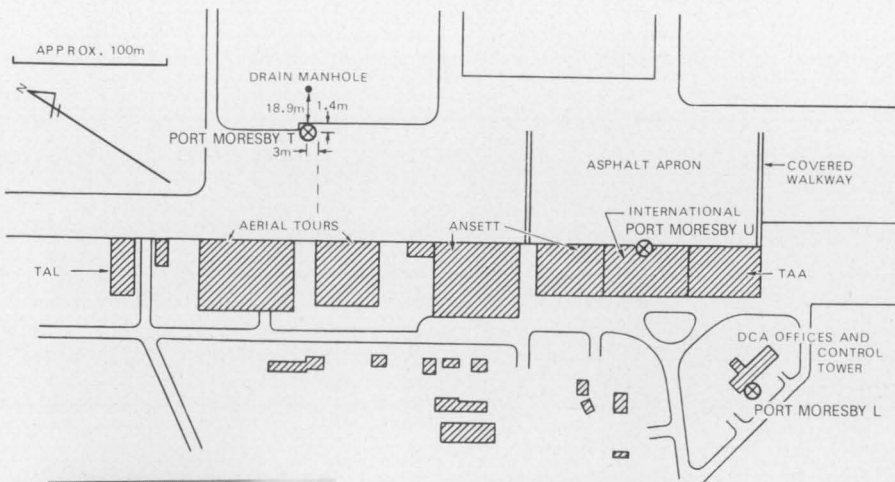
G65-392 A

APPENDIX 7

PORT MORESBY L&T (PNG)

Port Moresby T (7390.0176) is on the asphalt apron at Jacksons Aerodrome, opposite Aerial Tours hangars. The station is 3m northwest of the line of the northwest side of the Aerial Tours hangar that is closest to the main terminal. The station is 18.9m southwest of a drain manhole, and 1.4m SW of the asphalt/grass boundary of the apron. Marked by orange paint.

Port Moresby L (6791.0476) is on a concrete path near the southern wall of the DCA offices/control tower building Jacksons Aerodrome, 1m east of the doorway. Marked by a brass disc. For details see BMR sketch C55/B2-17-1.



PORT MORESBY T



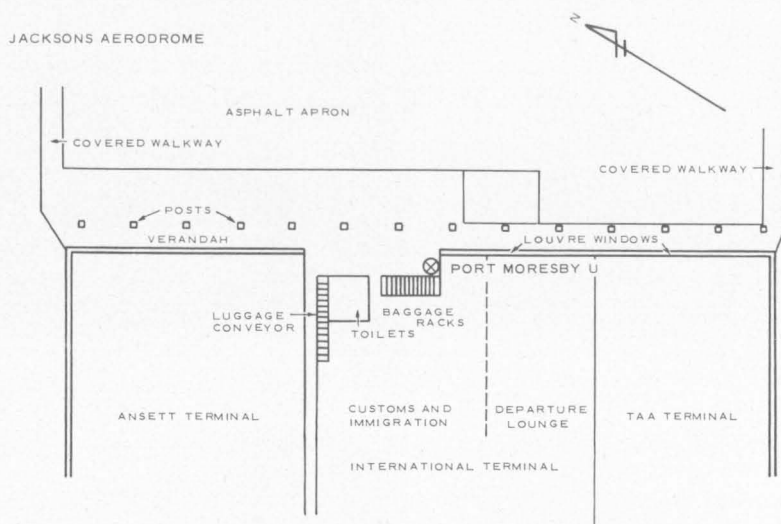
PORT MORESBY L

G65-393A

APPENDIX 7

PORT MORESBY U (PNG)

Port Moresby U (7390.0276) is on the apron side of the 1973 main terminal buildings, on the ground floor under the verandah. The station is in a concrete brick alcove in the international section, between the inward luggage racks and the outwards passenger lounge. Marked by a brass disc.



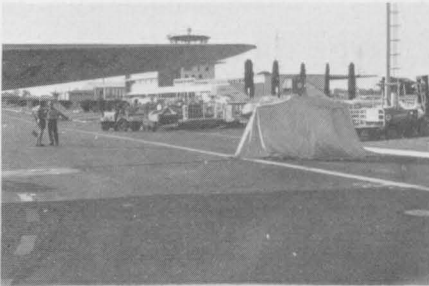
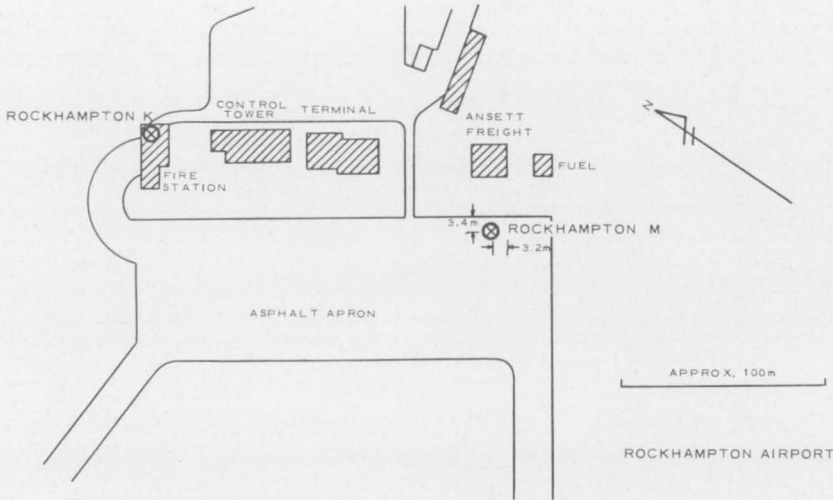
G65-394A

APPENDIX 7

ROCKHAMPTON K & M (AUSTRALIA)

Rockhampton M (7390.0149) is on the southern end of the asphalt apron of Rockhampton Airport near a freight shed. The station is 3.4m southwest of the apron margin, 3.2m northwest of the line of the southeast wall of the freight shed, and northeast of the petrol refuelling point on the apron. Marked by orange paint.

Rockhampton K (6499.0149) is on the northern corner of the concrete floor of the airport fire station. Marked by two brass discs. For details see BMR sketch number F56/B2-17.



ROCKHAMPTON M



ROCKHAMPTON K

665-395 A

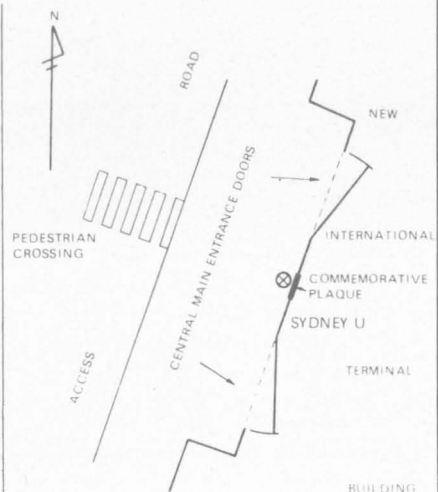
APPENDIX 7

SYDNEY U & X (AUSTRALIA)

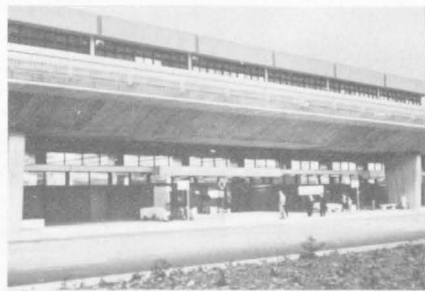
Sydney X (7390.0105) is on an asphalt aircraft holding bay near the 25' runway and the Adastra hangar. The station is 4m south of the asphalt margin, 48.5m southeast of the fence, 27.3m northeast of the orange holding light, and 7.6m from the second green light before the orange light. Marked by orange paint and a Philip's screw.

Sydney U (7090.0105) is at the street side of the International Terminal at Sydney (Kingsford Smith) Airport. It is on the concrete sidewalk near the wall, midway between the two central arrival doors at ground level under the overhead roadway, and immediately below a commemorative plaque. Marked by a brass disc. For details see BMR sketch number 155/B2-19-3.

SYDNEY (KINGSFORD SMITH) AIRPORT



SYDNEY X



SYDNEY U

G65-396A

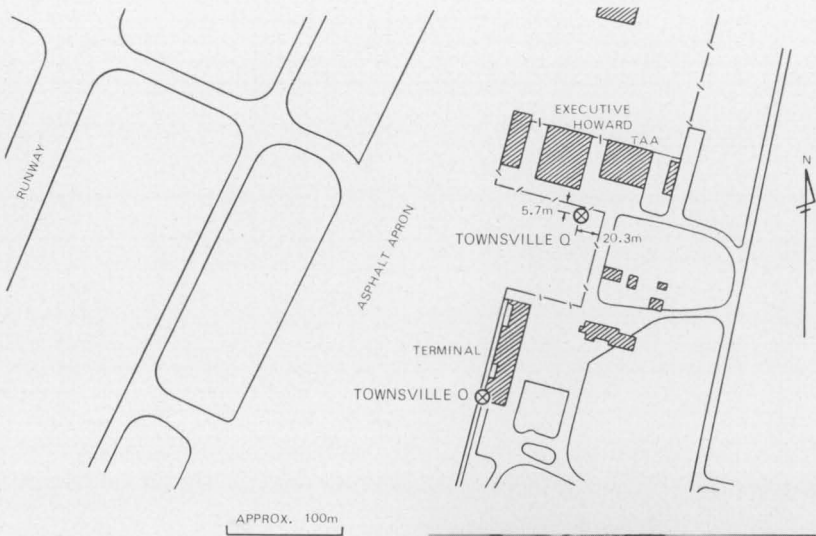
APPENDIX 7

TOWNSVILLE 0&Q (AUSTRALIA)

Townsville Q (7390.0151) is on the asphalt apron at Townsville airport between TAA and Executive Howard hangars and the terminal building. The station is 5.7m south and 20.3m west of the fence surrounding the apron. Marked by orange paint.

Townsville O (7090.0151) is inside the covered walkway that is between the airport apron and the main terminal building. The station is at the southern corner of the southern entrance ramp to the terminal building. Marked by a brass disc. For details see BMR sketch number E55/B2-30-8.

TOWNSVILLE AIRPORT



TOWNSVILLE Q



TOWNSVILLE O

G65-397A