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Title	北海道北部地域の重力測定
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Citation	北海道大学地球物理学研究報告, 71, 71-90
Issue Date	2008-03-15
DOI	https://doi.org/10.14943/gbhu.71.71
Doc URL	https://hdl.handle.net/2115/32761
Type	departmental bulletin paper
File Information	71-71.pdf



北海道北部地域の重力測定

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(2008 年 1 月 7 日受理)

Gravity survey in the Northern Hokkaido region, Northern Japan

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(Received January 7, 2008)

The northern part of Hokkaido (Dohoku region) is recognized as the boundary region between the Okhotsk and Amurian plates. In this region, strain concentration is reported based on triangulation and GPS observations. However, there had not been observed any inland earthquakes larger than M_{JMA} 6 in Dohoku region, until the 2004 Rumoi-Nanbu earthquake (M_{JMA} 6.1) occurred. There may be a possibility of occurrence of intraplate large earthquake in the future. The mechanism of the earthquakes observed in the region is strike-slip and thrust type, owing to the east-west compression. In case the thrust type earthquake had been rupturing recurrently, it should be resulted as positive Bouguer gravity anomalies. There exists plenty amounts of gravity observation data in this region, for the purpose of oil and mineral exploration. However, it exists as a hand written paper document. Additionally, these data are basically unreleased. So we performed gravity measurement in the Dohoku region to draw more detailed Bouguer anomaly map. The observed gravity data is listed in this document.

I. はじめに

北海道北部地域は北海道内陸部の中でも微小地震活動が活発な地域である。Takahashi *et al.* (1999) は GPS の観測によってこの地域がオホーツクプレートとアムールプレートの境界として機能している可能性を指摘している。また、三角測量や GPS の観測からは東西圧縮による歪みの集中も観測されている(国土地理院, 1997)。2004 年の 12 月には留萌支庁南部で M_{JMA} 6.1 の地震が発生しており、道北地域は弟子屈地域と並んで北海道において内陸地震が発生する可能性が高い地域であると言える。この地域では第四紀に活動した逆断層型の活断層がいくつか認められている(活断層研究会, 1991; 池田・他, 2002)。高橋・笠原(2005)は、道北地域においてこれまで観測された $M5$ 以上の地震のメカニズムが横ずれか逆断層型であることを示して

いる。これは前述したようにこの地域が現在圧縮応力場にあることと整合的である。逆断層型の地震断層に限れば、地震活動を繰り返せば断層の上盤側では正の重力異常が観測される。詳細な重力異常分布を明らかにする事によって、繰り返し破壊している逆断層を特定できる可能性がある。稚内から幌延にかけて重力測定を行い、より詳細なブーゲー異常分布を明らかにしたので報告する。

II. 既存重力データ

調査地域において公開されている既存重力データは、旧地質調査所発行の重力データ CD-ROM（地質調査総合センター，2004）に収録されているもの、国土地理院（2006）による測定データがある。このほかに北海道大学による測定データがあるが、測定点密度はかなり疎らである。道北地域には主に石油・鉱物資源探査を目的とした稠密な重力測定データが存在するが、手書きの数表として存在すること等からコンパイル作業が困難である。また、加えてこうしたデータは非公開であるため、公開可能なデータセット編纂の観点から、新たな測定を行った。海域は海上保安庁海洋情報部によって公開されているデータを用いた。

III. 重力測定詳細

2007 年 9 月に、合計 478 点の重力測定を行った。Fig.1 に既存、新規の測定点分布を示す。また、本報告書の最後に今回の測定で得られた重力データを収録した（Table 1）。基準点は北海道大学理学部 3 号館内の一等重力点とし、測定に用いた重力計は Scintrex 社製の CG-3 型スプリング式相対重力計、S315 である。基準点、独標点以外の測定点座標の決定には TOPCON 社製の 2 周波レシーバ（LEGACY-H GNSS RECEIVER）2 台、若しくは国土地理院の展開する電子基準点データを用いた GPS 相対測位によって行われた。位置決定精度は水平方向で 10cm 以内、標高決定精度はジオイドモデルの精度を考慮に入れても全ての測定点において 1m 以内である。全ての測定において現場写真を撮影するとともに、舗装道路における測定ではコンクリート釘によるマーカー打ち込みを行い、再測定の際の再現性確保に可能な限り努めている。観測で得た相対重力値は地球潮汐補正、ドリフト補正を施した後、北海道大学理学部三号館内にある札幌一等重力点を基準点とし、JGSN96 に準ずる絶対重力値に変換された。ドリフトレートは一日あたり 0.2mGal 以内であった。ブーゲー異常値算出の詳細は本多・他（2007）に記した通りである。地形補正は本多・河野（2005）による。測定地域が比較的広範囲であるので、仮定密度は通常用いられる 2670kg/m^3 とした。

IV. 重力異常分布

Fig.2 に既存データのみによるブーゲー異常図を、Fig.3 には新規に得られたデータを加えた

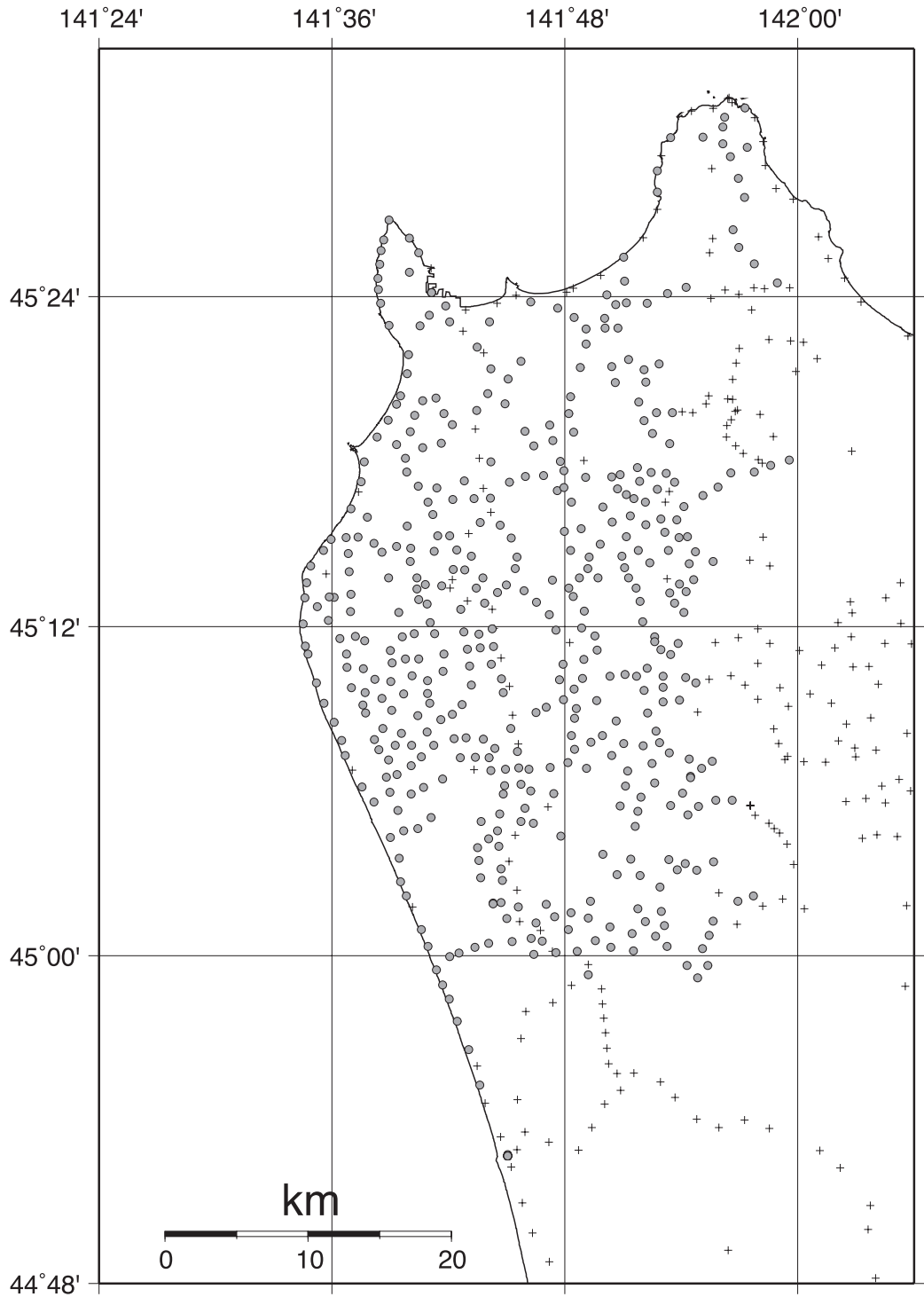


Fig. 1. Distribution of previously obtained and newly installed gravity stations in the northern part of Hokkaido, Japan. Crosses indicate previously obtained data (GSJ, 2004; GSI, 2006; Hokkaido University, unreleased). Gray solid circles with black rim indicate newly obtained data in this study.

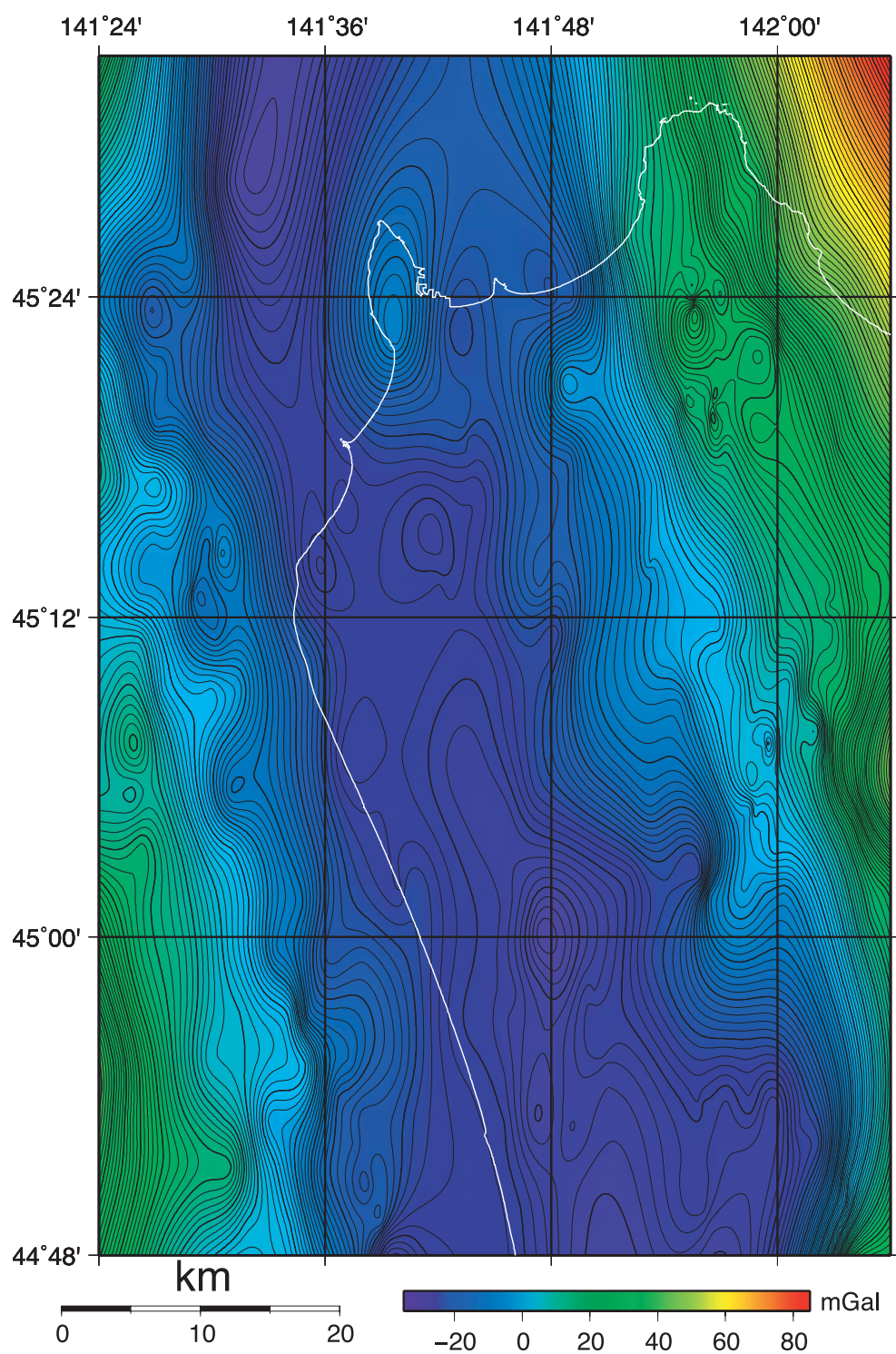


Fig. 2. Bouguer anomaly map by old data. Density is assumed to be 2670 kg/m^3 . Contour interval is 1mGal.

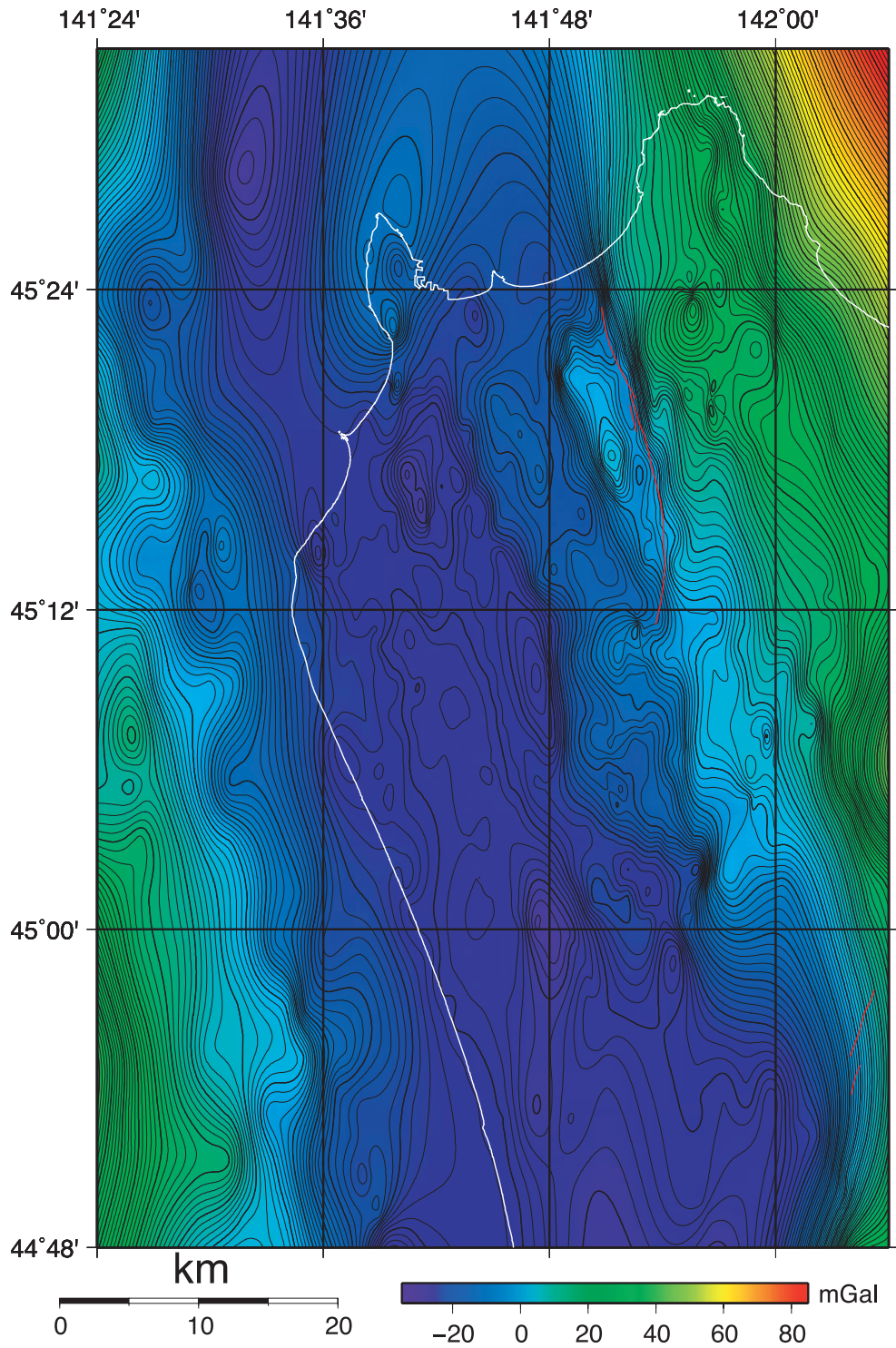


Fig. 3. Newly obtained Bouguer anomaly map. Density is assumed to be 2670 kg/m^3 . Contour interval is 1mGal. Red line indicates active faults (Group for active fault research, 1991).

ブーゲー異常図を示す。北海道北部地域の重力異常は南北に延びる大きな負の異常帯で特徴付けられ、本調査地域である稚内、サロベツ、豊富地域はこの低異常帯の東縁部にあたる。Fig.2, Fig.3 を比較すれば本研究により重力異常分布がより詳細になったことが分かる。重力異常分布は小椋・掃部（1992）による鮮新世後期～前期更新世層の基底面構造とよい対応を見せる。浜勇知付近のユークル背斜、勇知背斜、幌延付近の幌延背斜に対応する重力異常パターンが認められるが、背斜構造にも関わらず低異常を示す。これは本多・他（2007）で指摘されているように深層部に低密度の層が存在することが理由として考えられる。また、活断層研究会（1991）に示されている幌延断層に対応する北北西－南南東走向の重力異常の水平急勾配帯が認められる。この急勾配帯の西方 5 km ほどの位置にも同じ走向の急勾配帯が認められ、幌延断層から派生した断層が伏在する可能性がある。

今後は更に北緯 45 度以南の地域の測定も進めるとともに、幌延断層及び西側の重力勾配帯付近についても追加の測定を行っていく。

謝辞 GPS 観測に際し、豊富温泉ふれあいセンターに御協力いただいた。図の作成には Generic Mapping Tools 4.0 (Wessel and Smith, 1998) を用いた。記して感謝いたします。

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Table 1. Observed gravity data. Assumed density is 2670 kg/m³. Gravity values are referred to JGSN96. B.A.: Bouguer Anomaly. T.C.: Terrain Correction. "Method" indicates how we decided the "Altitude" (DG: Differential GPS, BM: Benchmark, SH: Spot Height, TR: Triangulation Point, CL: By barometer and map contour, INN: Easy reference from neighboring GPS observation point). Gravity stations are listed on the order of measurement.

Station name	Latitude (° N)	Longitude (° E)	Altitude (m)	G (mGal)	B.A (mGal)	T.C. (mGal)	Method
HK07B-FGS	43.07083	141.34389	15.00	980477.549	38.06	0.70	FGS
HK07BC0012	45.40237	141.68575	2.50	980639.598	-14.05	0.27	TR
HK07BC0013	45.42397	141.85049	5.22	980658.768	3.80	0.48	DG
HK07BC0014	45.46336	141.87965	1.22	980672.328	13.93	1.06	DG
HK07BC0015	45.47612	141.87947	3.08	980672.285	12.90	0.79	DG
HK07BC0016	45.49607	141.89095	2.03	980676.798	15.11	0.61	DG
HK07BC0017	45.49647	141.91866	88.50	980664.983	20.59	0.84	DG
HK07BC0018	45.49250	141.93570	92.00	980667.659	23.71	0.39	SH
HK07BC0019	45.50253	141.93587	79.51	980672.886	25.72	0.51	DG
HK07BC0020	45.50839	141.93724	58.65	980679.778	29.11	1.78	DG
HK07BC0021	45.51415	141.95471	1.30	980698.260	34.33	0.42	DG
HK07BC0022	45.48469	141.94218	69.00	980668.346	21.71	1.74	SH
HK07BC0023	45.49019	141.95677	67.34	980678.312	29.93	0.72	DG
HK07BC0024	45.47166	141.94920	19.25	980682.464	26.59	0.94	DG
HK07BC0025	45.46007	141.95432	29.94	980679.203	27.28	1.80	DG
HK07BC0026	45.44041	141.94444	64.88	980667.360	23.53	1.26	DG
HK07BC0027	45.42972	141.94948	66.73	980666.235	23.30	0.82	DG
HK07BC0028	45.41979	141.96281	95.80	980660.906	24.36	0.62	DG
HK07BC0029	45.40847	141.98262	27.32	980677.594	29.35	1.10	DG
HK07BC0030	45.40949	141.85146	3.00	980656.266	1.88	0.16	SH
HK07BC0031	45.39614	141.87079	8.21	980660.678	9.72	0.86	DG
HK07BC0032	45.40202	141.88828	22.60	980663.149	14.18	0.58	DG
HK07BC0033	45.40237	141.68575	2.50	980639.598	-14.05	0.27	TR
HK07BC0034	45.40237	141.68575	2.50	980639.598	-14.05	0.27	TR
HK07BC0035	45.39632	141.85292	7.00	980652.927	0.86	0.45	SH
HK07BC0036	45.40557	141.90414	56.35	980659.253	16.60	0.96	DG
HK07BC0037	45.39514	141.84384	4.68	980643.033	-9.69	0.18	DG
HK07BC0038	45.40118	141.83609	26.00	980636.529	-12.25	0.53	SH
HK07BC0039	45.38696	141.83418	27.00	980635.041	-11.96	0.83	SH
HK07BC0040	45.38105	141.83476	26.00	980634.614	-12.66	0.21	SH
HK07BC0041	45.38097	141.84570	7.00	980642.418	-8.52	0.24	SH

Table 1. continued

Station name	Latitude (° N)	Longitude (° E)	Altitude (m)	G (mGal)	B.A (mGal)	T.C. (mGal)	Method
HK07BC0042	45.36214	141.85500	46.00	980634.699	-6.55	0.47	SH
HK07BC0043	45.35585	141.86795	21.00	980644.794	-0.42	0.56	SH
HK07BC0044	45.35936	141.88104	32.28	980652.852	13.69	3.82	DG
HK07BC0045	45.34837	141.86957	37.49	980638.715	-2.95	0.48	DG
HK07BC0046	45.32973	141.89249	39.71	980647.927	11.76	3.27	DG
HK07BC0047	45.32980	141.87894	31.41	980641.292	0.72	0.86	DG
HK07BC0048	45.31113	141.89014	28.00	980645.228	6.13	0.88	SH
HK07BC0049	45.31726	141.87550	63.46	980629.771	-3.96	0.57	DG
HK07BC0050	45.32497	141.86819	48.67	980632.814	-4.60	0.42	DG
HK07BC0051	45.33636	141.86368	22.68	980638.989	-4.45	0.51	DG
HK07BC0052	45.34806	141.84351	17.46	980643.631	-1.86	0.56	DG
HK07BC0053	45.35764	141.84048	10.30	980643.241	-4.76	0.38	DG
HK07BC0054	45.37152	141.81848	6.00	980643.520	-6.71	0.30	SH
HK07BC0055	45.38059	141.81834	3.00	980638.239	-13.64	0.07	SH
HK07BC0056	45.38758	141.80823	6.36	980635.045	-15.99	0.93	DG
HK07BC0057	45.39307	141.79405	5.00	980634.854	-17.74	0.16	SH
HK07BC0058	45.39691	141.77092	4.00	980635.105	-17.97	0.22	SH
HK07BC0059	45.38478	141.73544	48.51	980621.040	-21.95	0.26	DG
HK07BC0060	45.36954	141.72485	23.00	980626.221	-19.88	0.97	SH
HK07BC0061	45.35636	141.73654	4.17	980630.390	-19.11	0.07	DG
HK07BC0062	45.34135	141.73404	3.47	980630.633	-17.33	0.30	DG
HK07BC0063	45.33529	141.74878	10.91	980631.356	-13.87	0.87	DG
HK07BC0064	45.35032	141.75133	1.89	980632.412	-16.78	0.25	DG
HK07BC0065	45.36102	141.76245	1.69	980633.216	-17.07	0.18	DG
HK07BC0066	45.33118	141.72426	5.79	980628.303	-18.39	0.19	DG
HK07BC0067	45.29996	141.73645	26.38	980620.800	-18.51	0.59	DG
HK07BC0068	45.28773	141.75269	115.16	980604.322	-15.53	1.33	DG
HK07BC0069	45.29123	141.76622	144.35	980599.025	-15.52	0.91	DG
HK07BC0070	45.29178	141.78169	55.19	980619.660	-13.39	0.50	DG
HK07BC0071	45.29474	141.79918	7.00	980628.341	-14.39	0.62	SH
HK07BC0072	45.30030	141.79634	6.00	980629.232	-14.39	0.41	SH
HK07BC0073	45.30968	141.77357	60.80	980620.093	-12.69	1.28	DG
HK07BC0074	45.31847	141.76587	61.34	980620.615	-13.76	0.39	DG
HK07BC0075	45.32230	141.78705	3.51	980630.584	-15.59	0.38	DG
HK07BC0076	45.31290	141.78966	9.00	980630.161	-14.23	0.23	SH
HK07BC0077	45.31806	141.80748	5.67	980630.817	-14.55	0.37	DG

Station name	Latitude (° N)	Longitude (° E)	Altitude (m)	G (mGal)	B.A (mGal)	T.C. (mGal)	Method
HK07BC0078	45.32923	141.80363	8.00	980631.997	-13.84	0.45	SH
HK07BC0079	45.33960	141.80519	3.50	980634.951	-12.89	0.21	SH
HK07BC0080	45.35710	141.81352	5.00	980641.678	-7.30	0.33	SH
HK07BC0081	45.41490	141.66640	169.07	980605.196	-12.37	2.66	DG
HK07BC0082	45.40236	141.68575	2.50	980639.598	-14.05	0.27	TR
HK07BC0083	45.40237	141.68575	2.50	980639.598	-14.05	0.27	TR
HK07BC0084	45.39436	141.69766	2.00	980635.747	-17.48	0.18	SH
HK07BC0085	45.38485	141.70131	8.89	980631.599	-19.46	0.16	DG
HK07BC0086	45.38883	141.68381	11.83	980634.563	-15.92	0.32	DG
HK07BC0087	45.38244	141.67578	26.50	980632.499	-14.43	0.38	DG
HK07BC0088	45.38261	141.64894	2.34	980640.584	-9.93	1.05	DG
HK07BC0089	45.39592	141.64185	3.85	980642.462	-9.24	0.71	DG
HK07BC0090	45.40424	141.63995	4.00	980643.607	-8.86	0.75	SH
HK07BC0091	45.41112	141.63953	3.15	980644.612	-8.93	0.61	DG
HK07BC0092	45.41949	141.64096	5.00	980645.935	-8.04	0.64	SH
HK07BC0093	45.42804	141.64211	2.56	980647.000	-8.63	0.41	DG
HK07BC0094	45.43430	141.64459	2.42	980647.671	-8.79	0.30	DG
HK07BC0095	45.44646	141.64912	2.40	980648.899	-9.06	0.12	SH
HK07BC0096	45.43537	141.66650	1.00	980647.515	-9.20	0.35	SH
HK07BC0097	45.42659	141.67459	2.10	980645.851	-9.71	0.37	SH
HK07BC0098	45.36484	141.66582	8.91	980633.832	-14.50	0.87	DG
HK07BC0099	45.35338	141.66486	10.74	980629.684	-17.36	0.89	DG
HK07BC0100	45.33995	141.65915	4.93	980627.428	-20.18	0.27	DG
HK07BC0101	45.33493	141.65547	3.64	980627.158	-20.24	0.31	DG
HK07BC0102	45.32517	141.64833	3.97	980625.840	-20.82	0.13	DG
HK07BC0103	45.31505	141.63870	7.39	980621.427	-23.51	0.23	DG
HK07BC0104	45.31062	141.65550	12.00	980621.952	-21.66	0.27	SH
HK07BC0105	45.31818	141.66719	12.00	980621.870	-22.36	0.34	SH
HK07BC0106	45.32820	141.67097	9.45	980622.747	-22.49	0.71	DG
HK07BC0107	45.33706	141.67807	9.13	980624.305	-21.78	0.63	DG
HK07BC0108	45.33877	141.68921	13.62	980623.457	-21.63	0.77	DG
HK07BC0109	45.30215	141.66318	12.00	980618.702	-24.17	0.22	SH
HK07BC0110	45.30862	141.67798	12.23	980617.450	-25.78	0.38	DG
HK07BC0111	45.31142	141.69415	76.46	980603.743	-26.43	0.75	DG
HK07BC0112	45.32253	141.70354	82.48	980604.931	-24.66	1.05	DG

Table 1. continued

Station name	Latitude (° N)	Longitude (° E)	Altitude (m)	G (mGal)	B.A (mGal)	T.C. (mGal)	Method
HK07BC0113	45.32923	141.69608	81.65	980605.871	-24.62	1.01	DG
HK07BC0114	45.28273	141.79359	8.40	980628.295	-12.57	1.01	DG
HK07BC0115	45.28445	141.79922	5.57	980627.745	-14.21	0.72	DG
HK07BC0116	45.27566	141.80573	14.81	980624.189	-15.77	0.18	DG
HK07BC0117	45.25960	141.81419	7.49	980624.133	-15.69	0.30	DG
HK07BC0118	45.25778	141.79968	14.13	980622.825	-15.49	0.29	DG
HK07BC0119	45.24630	141.80484	23.00	980620.327	-15.17	0.38	SH
HK07BC0120	45.25471	141.85298	19.00	980627.043	-9.81	0.57	SH
HK07BC0121	45.26365	141.84090	22.48	980623.797	-13.49	0.28	DG
HK07BC0122	45.27269	141.83295	43.86	980619.327	-14.33	0.33	DG
HK07BC0123	45.29077	141.81805	14.00	980628.083	-13.34	0.24	SH
HK07BC0124	45.29084	141.84021	12.73	980635.540	-4.86	1.33	DG
HK07BC0125	45.29235	141.84752	13.32	980641.833	1.85	1.47	DG
HK07BC0126	45.29647	141.86261	20.00	980642.884	3.04	0.57	SH
HK07BC0127	45.28832	141.86421	20.74	980639.313	0.65	1.31	DG
HK07BC0128	45.29355	141.87425	45.24	980631.381	-3.87	0.49	DG
HK07BC0129	45.29310	141.88725	81.00	980625.496	-2.64	0.41	SH
HK07BC0130	45.28779	141.89445	69.00	980629.025	-1.19	0.25	SH
HK07BC0131	45.26726	141.85622	27.85	980629.673	-6.80	0.36	DG
HK07BC0132	45.28381	141.84549	12.26	980635.508	-4.51	1.27	DG
HK07BC0133	45.28029	141.85301	14.53	980638.586	-1.66	0.28	DG
HK07BC0134	45.27789	141.85951	18.00	980639.853	0.55	0.39	SH
HK07BC0135	45.27557	141.86942	33.00	980633.793	-2.56	0.20	SH
HK07BC0136	45.28345	141.87973	54.79	980626.455	-5.37	1.13	DG
HK07BC0137	45.26194	141.86955	46.47	980627.039	-5.02	0.63	DG
HK07BC0138	45.26530	141.88269	52.00	980627.801	-3.81	0.28	SH
HK07BC0139	45.26485	141.89610	77.10	980624.637	-1.40	0.71	TR
HK07BC0140	45.25727	141.88585	22.57	980633.228	-2.82	0.78	DG
HK07BC0141	45.25423	141.89804	26.00	980634.908	-0.63	0.27	SH
HK07BC0142	45.27289	141.90250	44.00	980635.341	2.94	1.43	SH
HK07BC0143	45.27960	141.91888	57.02	980637.934	11.25	4.18	DG
HK07BC0144	45.29321	141.94279	156.50	980624.205	11.76	1.18	DG
HK07BC0145	45.29388	141.96286	163.63	980625.275	14.20	1.06	DG
HK07BC0146	45.29798	141.97684	119.08	980638.396	18.15	1.15	DG
HK07BC0147	45.30124	141.99284	79.64	980649.444	23.22	2.41	DG
HK07BC0148	45.28476	141.93167	74.98	980637.497	12.63	3.19	DG

Station name	Latitude (° N)	Longitude (° E)	Altitude (m)	G (mGal)	B.A (mGal)	T.C. (mGal)	Method
HK07BC0149	45.25460	141.90544	48.17	980631.272	0.32	0.63	DG
HK07BC0150	45.24567	141.91223	77.00	980624.932	0.36	0.57	SH
HK07BC0151	44.87886	141.75107	4.33	980581.334	-24.88	0.12	DG
HK07BC0152	44.87802	141.75087	3.00	980581.301	-24.95	0.26	INN
HK07BC0153	45.22073	141.74232	14.77	980612.763	-22.16	0.23	DG
HK07BC0154	45.22547	141.74992	14.09	980612.622	-22.76	0.34	DG
HK07BC0155	45.23532	141.75749	13.87	980611.952	-24.42	0.28	DG
HK07BC0156	45.24237	141.75906	19.00	980614.517	-21.28	0.46	SH
HK07BC0157	45.25399	141.75392	24.00	980617.405	-18.68	0.17	SH
HK07BC0158	45.26159	141.74469	37.80	980611.036	-22.76	0.53	DG
HK07BC0159	45.27817	141.73619	49.00	980612.250	-21.02	0.38	SH
HK07BC0160	45.27780	141.72221	77.87	980601.113	-26.31	0.43	DG
HK07BC0161	45.28843	141.71387	68.87	980603.644	-25.94	1.04	DG
HK07BC0162	45.26332	141.72754	18.16	980614.177	-22.37	1.60	DG
HK07BC0163	45.25523	141.70125	22.00	980609.520	-26.95	0.40	SH
HK07BC0164	45.25528	141.69101	13.00	980608.018	-29.89	0.68	SH
HK07BC0165	45.26821	141.68678	23.00	980606.425	-31.10	0.29	SH
HK07BC0166	45.27729	141.70381	29.00	980612.377	-24.77	0.21	SH
HK07BC0167	45.27550	141.68237	26.00	980607.723	-29.75	0.37	SH
HK07BC0168	45.28416	141.69011	30.51	980608.483	-28.16	0.98	DG
HK07BC0169	45.28528	141.67403	52.18	980602.003	-31.17	0.49	DG
HK07BC0170	45.29381	141.66425	17.61	980612.709	-27.68	0.74	DG
HK07BC0171	45.30003	141.62787	7.85	980620.441	-22.64	0.40	DG
HK07BC0172	45.28807	141.62506	10.43	980618.537	-23.06	0.45	DG
HK07BC0173	45.27172	141.61650	6.97	980618.171	-22.74	0.44	DG
HK07BC0174	45.25306	141.59946	5.00	980616.613	-23.15	0.28	SH
HK07BC0175	45.25401	141.61238	7.00	980617.480	-21.82	0.44	SH
HK07BC0176	45.25435	141.62253	5.10	980616.537	-23.45	0.13	BM
HK07BC0177	45.26646	141.63029	9.28	980616.394	-23.53	0.40	DG
HK07BC0178	45.25074	141.63603	6.43	980615.244	-23.82	0.43	DG
HK07BC0179	45.24883	141.65550	5.00	980615.115	-23.96	0.49	DG
HK07BC0180	45.26117	141.66454	13.97	980613.755	-23.74	1.16	DG
HK07BC0181	45.24764	141.66769	5.90	980614.574	-24.34	0.40	DG
HK07BC0182	45.23975	141.66727	11.04	980613.050	-23.90	0.62	DG
HK07BC0183	45.24587	141.68787	8.23	980611.382	-27.00	0.27	DG

Table 1. continued

Station name	Latitude (° N)	Longitude (° E)	Altitude (m)	G (mGal)	B.A (mGal)	T.C. (mGal)	Method
HK07BC0184	45.24524	141.64316	8.82	980613.731	-23.83	0.94	DG
HK07BC0185	45.22958	141.64874	22.00	980609.385	-24.07	0.93	SH
HK07BC0186	45.24445	141.61409	9.83	980615.158	-22.66	0.41	DG
HK07BC0187	45.23336	141.61482	27.22	980609.566	-21.93	2.32	DG
HK07BC0188	45.21780	141.60196	16.00	980611.871	-22.38	0.39	SH
HK07BC0189	45.21975	141.61644	20.61	980608.990	-24.31	0.47	DG
HK07BC0190	45.21810	141.59767	11.88	980613.155	-22.10	0.18	DG
HK07BC0191	45.21227	141.58763	12.39	980615.364	-19.40	0.14	DG
HK07BC0192	45.20385	141.59705	10.14	980613.496	-20.90	0.17	DG
HK07BC0193	45.19287	141.60692	7.50	980612.098	-21.10	0.90	DG
HK07BC0194	45.19433	141.62013	8.00	980610.522	-23.06	0.43	SH
HK07BC0195	45.20915	141.61612	21.01	980608.577	-23.34	0.84	DG
HK07BC0196	44.87801	141.75087	3.00	980581.301	-24.95	0.26	INN
HK07BC0197	44.87802	141.75089	3.00	980581.301	-24.95	0.26	INN
HK07BC0198	45.12176	141.61143	4.44	980604.237	-23.86	0.21	DG
HK07BC0199	45.13086	141.60846	8.00	980606.229	-21.70	0.50	SH
HK07BC0200	45.14214	141.60208	6.62	980608.922	-20.49	0.31	DG
HK07BC0201	45.15353	141.59303	3.00	980611.688	-19.59	0.18	SH
HK07BC0202	45.16607	141.58664	5.55	980612.940	-18.65	0.50	DG
HK07BC0203	45.18353	141.57938	4.15	980615.340	-18.36	0.25	DG
HK07BC0204	45.18826	141.57718	2.00	980616.369	-18.36	0.07	SH
HK07BC0205	45.20163	141.57544	10.13	980616.184	-18.05	0.17	DG
HK07BC0206	45.21767	141.57687	12.02	980617.207	-17.72	0.54	DG
HK07BC0207	45.22673	141.57845	13.83	980617.151	-18.00	0.76	DG
HK07BC0208	45.23685	141.58165	4.21	980616.843	-21.52	0.34	DG
HK07BC0209	45.24635	141.59270	4.48	980614.192	-25.19	0.13	DG
HK07BC0210	45.19140	141.62808	9.00	980609.638	-23.69	0.22	SH
HK07BC0211	45.18336	141.61267	5.00	980611.459	-22.09	0.19	SH
HK07BC0212	45.17531	141.61279	4.00	980611.012	-22.16	0.05	SH
HK07BC0213	45.16293	141.61671	4.00	980610.185	-21.89	0.04	SH
HK07BC0214	45.15256	141.62651	5.00	980609.582	-21.26	0.14	SH
HK07BC0215	45.14763	141.62910	5.00	980609.003	-21.42	0.11	SH
HK07BC0216	45.13161	141.63646	5.00	980606.876	-21.93	0.25	SH
HK07BC0217	45.12537	141.64035	12.00	980604.763	-22.03	0.33	SH
HK07BC0218	45.10863	141.64665	39.00	980596.749	-23.20	0.32	SH
HK07BC0219	45.11031	141.65585	12.00	980602.432	-23.22	0.09	SH

Station name	Latitude (° N)	Longitude (° E)	Altitude (m)	G (mGal)	B.A (mGal)	T.C. (mGal)	Method
HK07BC0220	45.11576	141.66826	7.00	980603.278	-23.73	0.25	SH
HK07BC0221	45.11927	141.64877	14.00	980603.127	-22.56	0.49	SH
HK07BC0222	45.12814	141.65425	3.00	980605.552	-23.56	0.05	SH
HK07BC0223	45.13833	141.64392	4.00	980607.126	-22.63	0.13	SH
HK07BC0224	45.14938	141.65155	6.00	980606.753	-23.52	0.22	SH
HK07BC0225	45.15668	141.64296	4.00	980608.633	-22.87	0.04	SH
HK07BC0226	45.15999	141.62849	4.00	980609.966	-21.84	0.04	SH
HK07BC0227	45.17448	141.62709	5.00	980610.636	-22.04	0.20	SH
HK07BC0228	45.16805	141.63699	5.00	980609.577	-22.62	0.16	SH
HK07BC0229	45.16684	141.65074	6.00	980608.321	-23.42	0.28	SH
HK07BC0230	45.17797	141.65181	52.00	980598.503	-25.00	0.40	SH
HK07BC0231	45.18054	141.66299	55.00	980597.035	-26.06	0.47	SH
HK07BC0232	45.18037	141.67471	69.00	980593.358	-26.93	0.39	SH
HK07BC0233	45.17014	141.66896	53.69	980595.884	-25.77	1.20	DG
HK07BC0234	45.15923	141.66165	5.00	980607.002	-24.41	0.13	SH
HK07BC0235	45.13523	141.65970	5.00	980605.243	-24.10	0.07	SH
HK07BC0236	45.12812	141.66830	5.00	980604.089	-24.58	0.10	SH
HK07BC0237	45.12100	141.67694	5.00	980602.871	-25.23	0.03	SH
HK07BC0238	45.12808	141.68759	2.93	980602.541	-26.49	0.14	DG
HK07BC0239	45.13622	141.68166	4.00	980603.309	-26.35	0.04	SH
HK07BC0240	45.14597	141.67366	5.00	980604.925	-25.33	0.12	SH
HK07BC0241	45.14365	141.69341	4.00	980603.603	-26.73	0.03	SH
HK07BC0242	45.15363	141.68393	12.00	980603.947	-24.79	0.91	SH
HK07BC0243	45.15948	141.68208	59.00	980593.520	-26.40	0.79	SH
HK07BC0244	45.16743	141.68213	58.00	980594.323	-26.51	0.94	SH
HK07BC0245	45.17300	141.69534	42.00	980598.513	-26.58	0.34	SH
HK07BC0246	45.18358	141.69627	11.00	980606.741	-25.39	0.44	SH
HK07BC0247	45.19572	141.68817	13.00	980608.233	-24.77	0.27	SH
HK07BC0248	45.20250	141.68436	21.00	980607.545	-24.60	0.17	SH
HK07BC0249	45.19586	141.67079	63.00	980596.971	-26.14	0.24	SH
HK07BC0250	45.19399	141.66040	23.00	980605.838	-24.60	0.58	SH
HK07BC0251	45.18547	141.65038	17.00	980606.918	-23.13	1.39	SH
HK07BC0252	45.20866	141.65750	32.37	980604.643	-24.62	1.15	DG
HK07BC0253	45.21373	141.68170	19.00	980609.447	-24.09	0.19	SH
HK07BC0254	45.21661	141.67464	17.00	980609.782	-24.22	0.25	SH

Table 1. continued

Station name	Latitude (° N)	Longitude (° E)	Altitude (m)	G (mGal)	B.A (mGal)	T.C. (mGal)	Method
HK07BC0255	45.22306	141.67323	32.00	980606.954	-24.70	0.35	SH
HK07BC0256	45.22959	141.67291	34.00	980607.785	-24.29	0.15	SH
HK07BC0257	45.22555	141.68028	14.00	980611.735	-23.83	0.18	SH
HK07BC0258	45.22474	141.69441	12.00	980612.032	-23.72	0.33	SH
HK07BC0259	45.22364	141.72408	12.00	980612.734	-23.02	0.23	SH
HK07BC0260	45.22973	141.72964	13.00	980613.592	-22.37	0.35	SH
HK07BC0261	44.87801	141.75087	3.00	980581.301	-24.95	0.26	INN
HK07BC0262	44.87802	141.75089	3.00	980581.301	-24.95	0.26	INN
HK07BC0263	44.98847	141.82011	14.00	980583.749	-29.56	1.02	SH
HK07BC0264	45.00274	141.81079	11.00	980584.421	-31.57	0.22	SH
HK07BC0265	45.00177	141.79228	11.00	980582.877	-32.56	0.70	CL
HK07BC0266	45.00883	141.78075	4.00	980587.385	-30.55	0.22	SH
HK07BC0267	45.00095	141.77344	5.00	980589.839	-27.19	0.22	SH
HK07BC0268	45.02008	141.77527	6.00	980590.098	-28.45	0.22	SH
HK07BC0269	45.03226	141.74545	3.00	980594.039	-26.38	0.06	SH
HK07BC0270	45.10020	141.77094	10.00	980601.044	-24.09	0.09	SH
HK07BC0271	45.10446	141.76248	9.00	980601.021	-24.74	0.06	SH
HK07BC0272	45.10349	141.74840	9.00	980599.534	-26.06	0.15	SH
HK07BC0273	45.11360	141.74919	9.00	980600.530	-25.93	0.20	SH
HK07BC0274	45.11441	141.76057	7.00	980602.438	-24.58	0.08	SH
HK07BC0275	45.12432	141.75943	9.00	980602.983	-24.32	0.25	SH
HK07BC0276	45.11263	141.73642	8.00	980600.415	-26.31	0.05	SH
HK07BC0277	45.12048	141.73521	7.00	980601.254	-26.26	0.16	SH
HK07BC0278	45.12083	141.72308	6.00	980601.289	-26.48	0.14	SH
HK07BC0279	45.12060	141.71045	5.00	980601.253	-26.70	0.13	SH
HK07BC0280	45.12619	141.73990	7.00	980601.640	-26.29	0.26	SH
HK07BC0281	45.14687	141.70345	5.00	980603.399	-26.94	0.12	SH
HK07BC0282	45.15286	141.71196	5.00	980603.925	-26.92	0.16	CL
HK07BC0283	45.16460	141.71968	5.00	980605.467	-26.52	0.07	SH
HK07BC0284	45.17617	141.71829	5.81	980606.742	-26.06	0.14	DG
HK07BC0285	45.18650	141.71631	7.00	980608.167	-25.31	0.17	SH
HK07BC0286	45.18732	141.72733	7.00	980608.719	-24.81	0.18	SH
HK07BC0287	45.18810	141.73889	6.00	980609.570	-24.14	0.19	SH
HK07BC0288	45.19558	141.72621	7.00	980609.585	-24.80	0.07	SH
HK07BC0289	45.19678	141.71326	6.00	980609.692	-25.03	0.05	SH
HK07BC0290	45.21056	141.71057	13.00	980610.112	-24.31	0.22	SH

Station name	Latitude (° N)	Longitude (° E)	Altitude (m)	G (mGal)	B.A (mGal)	T.C. (mGal)	Method
HK07BC0291	45.23485	141.70422	54.00	980602.354	-25.56	0.74	SH
HK07BC0292	45.23466	141.71411	39.00	980606.553	-25.02	0.12	SH
HK07BC0293	45.24298	141.71986	15.00	980613.121	-23.85	0.15	SH
HK07BC0294	45.24650	141.70715	12.00	980611.474	-26.21	0.33	SH
HK07BC0295	45.21442	141.73137	9.00	980611.937	-23.66	0.16	SH
HK07BC0296	45.22180	141.76511	17.76	980609.774	-24.49	0.44	DG
HK07BC0297	45.21479	141.77582	19.00	980610.392	-23.21	0.22	SH
HK07BC0298	45.20740	141.78688	22.50	980610.031	-22.13	0.31	DG
HK07BC0299	45.22847	141.78937	92.11	980603.292	-16.21	0.60	DG
HK07BC0300	45.22353	141.80331	25.51	980619.328	-13.79	0.22	DG
HK07BC0301	45.21851	141.80746	28.00	980617.752	-14.38	0.26	SH
HK07BC0302	45.20943	141.81674	26.00	980616.684	-14.96	0.31	SH
HK07BC0303	45.22958	141.81265	17.00	980621.023	-14.37	0.14	SH
HK07BC0304	45.23538	141.81990	23.00	980621.288	-12.90	0.71	SH
HK07BC0305	45.22963	141.82846	38.14	980618.615	-12.15	0.58	DG
HK07BC0306	45.24231	141.82080	17.00	980622.662	-13.72	0.33	SH
HK07BC0307	45.25020	141.83061	38.73	980617.406	-15.43	0.22	DG
HK07BC0308	45.24640	141.88905	54.00	980624.996	-4.20	0.54	SH
HK07BC0309	45.23818	141.90683	21.00	980634.921	0.09	0.32	SH
HK07BC0310	45.23957	141.92735	27.00	980638.113	6.17	1.71	SH
HK07BC0311	45.22866	141.91087	33.00	980634.327	2.77	0.47	SH
HK07BC0312	45.22125	141.90431	44.00	980627.616	-1.51	0.23	SH
HK07BC0313	45.22583	141.89850	56.00	980623.560	-3.57	0.40	SH
HK07BC0314	44.87801	141.75087	3.00	980581.301	-24.95	0.26	INN
HK07BC0315	44.87802	141.75089	3.00	980581.301	-24.95	0.26	INN
HK07BC0316	45.16128	141.86829	37.98	980616.355	-8.45	0.34	DG
HK07BC0317	45.16324	141.88458	70.95	980609.862	-8.55	0.42	DG
HK07BC0318	45.15451	141.88467	51.00	980612.572	-9.08	0.36	SH
HK07BC0319	45.15541	141.89873	88.70	980607.267	-6.63	0.77	DG
HK07BC0320	45.16997	141.88455	42.54	980618.845	-5.82	0.38	DG
HK07BC0321	45.16920	141.90388	48.00	980620.425	-2.72	0.68	SH
HK07BC0322	45.16594	141.91266	51.00	980619.127	-3.17	0.55	SH
HK07BC0323	45.18330	141.89091	71.00	980614.485	-5.69	0.56	SH
HK07BC0324	45.19000	141.89742	52.00	980617.064	-7.41	0.57	SH
HK07BC0325	45.20866	141.90236	34.85	980624.757	-4.68	0.57	DG

Table 1. continued

Station name	Latitude (° N)	Longitude (° E)	Altitude (m)	G (mGal)	B.A (mGal)	T.C. (mGal)	Method
HK07BC0326	45.21426	141.89424	35.00	980623.229	-7.05	0.31	SH
HK07BC0327	45.22053	141.89012	25.00	980626.230	-6.27	0.55	SH
HK07BC0328	45.23879	141.87302	36.00	980625.041	-7.24	0.36	SH
HK07BC0329	45.24637	141.86305	14.00	980629.002	-8.32	0.31	SH
HK07BC0330	45.24276	141.84903	17.00	980623.410	-12.64	0.69	SH
HK07BC0331	45.23600	141.85150	22.00	980621.953	-12.65	0.54	SH
HK07BC0332	45.22958	141.85492	27.00	980620.150	-13.22	0.20	SH
HK07BC0333	45.22359	141.86124	22.00	980621.051	-12.77	0.16	SH
HK07BC0334	45.21541	141.86473	53.69	980613.598	-12.36	1.07	DG
HK07BC0335	45.20299	141.86708	39.00	980617.737	-10.59	0.40	SH
HK07BC0336	45.19390	141.87738	44.00	980616.711	-9.50	0.74	SH
HK07BC0337	45.18603	141.88245	65.00	980614.343	-7.54	0.27	SH
HK07BC0338	45.19103	141.87741	74.00	980613.249	-4.88	2.60	SH
HK07BC0339	45.17489	141.87067	51.24	980616.415	-6.49	0.82	DG
HK07BC0340	45.17008	141.86163	34.73	980619.080	-5.12	2.28	DG
HK07BC0341	45.17097	141.85187	32.88	980618.982	-6.76	1.07	DG
HK07BC0342	45.16999	141.83885	29.88	980617.642	-9.30	0.53	DG
HK07BC0343	45.18011	141.81648	27.00	980612.058	-16.73	0.31	SH
HK07BC0344	45.18588	141.82773	35.33	980613.577	-13.94	0.42	DG
HK07BC0345	45.19461	141.82597	33.36	980614.221	-14.32	0.58	DG
HK07BC0346	45.19941	141.81450	25.08	980613.789	-17.19	0.25	DG
HK07BC0347	45.19800	141.79231	25.41	980607.312	-23.37	0.37	DG
HK07BC0348	45.17716	141.79852	29.00	980605.051	-23.16	0.22	SH
HK07BC0349	45.16782	141.79544	46.92	980597.340	-26.58	0.16	DG
HK07BC0350	45.15564	141.79893	57.00	980594.634	-26.05	0.28	SH
HK07BC0351	45.15044	141.81001	38.36	980603.705	-20.03	0.42	DG
HK07BC0352	45.15523	141.82753	108.24	980595.457	-13.86	1.20	DG
HK07BC0353	45.16228	141.80818	40.00	980605.093	-19.65	0.20	SH
HK07BC0354	45.16873	141.81532	42.00	980608.293	-16.58	0.26	SH
HK07BC0355	45.19877	141.73753	5.92	980611.137	-23.41	0.25	DG
HK07BC0356	44.87801	141.75087	3.00	980581.301	-24.95	0.26	INN
HK07BC0357	44.87802	141.75089	3.00	980581.301	-24.95	0.26	INN
HK07BC0358	45.09472	141.94386	67.00	980611.877	-0.53	0.61	SH
HK07BC0359	45.09459	141.92964	58.33	980612.034	-0.88	1.63	DG
HK07BC0360	45.09081	141.91484	53.27	980607.175	-7.80	0.54	DG
HK07BC0361	45.08570	141.90590	45.00	980604.271	-11.83	0.60	SH

Station name	Latitude (° N)	Longitude (° E)	Altitude (m)	G (mGal)	B.A (mGal)	T.C. (mGal)	Method
HK07BC0362	45.09133	141.89099	48.00	980602.870	-13.52	0.42	SH
HK07BC0363	45.09907	141.90106	52.54	980605.407	-10.68	0.51	DG
HK07BC0364	45.10918	141.90797	58.56	980607.849	-8.22	0.30	DG
HK07BC0365	45.11395	141.91745	67.33	980608.081	-6.38	0.56	DG
HK07BC0366	45.11829	141.92651	73.60	980611.742	-0.24	1.74	DG
HK07BC0367	45.10848	141.90788	60.00	980607.849	-7.77	0.42	SH
HK07BC0368	45.11973	141.90694	86.47	980601.925	-9.59	0.42	DG
HK07BC0369	45.12346	141.88977	118.77	980591.959	-12.94	0.94	DG
HK07BC0370	45.12951	141.88161	91.00	980600.240	-11.12	0.56	SH
HK07BC0371	45.13655	141.87846	82.00	980603.922	-9.99	0.42	SH
HK07BC0372	45.14764	141.87134	78.70	980605.537	-9.89	0.54	DG
HK07BC0373	45.12771	141.86720	112.92	980595.726	-11.16	0.55	DG
HK07BC0374	45.11698	141.87515	129.05	980588.589	-14.23	0.27	DG
HK07BC0375	45.10501	141.87727	100.66	980592.641	-14.73	0.39	DG
HK07BC0376	45.09660	141.86545	81.13	980595.437	-15.07	0.40	DG
HK07BC0377	45.08799	141.86278	81.15	980592.353	-17.32	0.44	DG
HK07BC0378	45.07870	141.86035	45.36	980600.862	-14.59	0.69	DG
HK07BC0379	45.05862	141.88956	47.18	980597.054	-16.15	0.70	DG
HK07BC0380	45.05610	141.90361	52.81	980596.325	-15.23	0.90	DG
HK07BC0381	45.05216	141.91344	64.37	980593.255	-16.06	0.63	DG
HK07BC0382	45.05706	141.92789	74.00	980596.007	-10.25	2.19	DG
HK07BC0383	45.05230	141.89674	129.16	980576.983	-18.24	1.55	DG
HK07BC0384	45.04185	141.88176	90.90	980581.624	-21.90	0.42	DG
HK07BC0385	45.02852	141.86270	62.68	980585.511	-22.18	0.64	DG
HK07BC0386	45.01352	141.85779	9.00	980597.517	-19.57	0.36	SH
HK07BC0387	45.02068	141.86914	14.95	980595.800	-19.41	1.41	DG
HK07BC0388	45.02709	141.88303	44.00	980586.601	-23.28	1.61	SH
HK07BC0389	45.01823	141.88559	25.86	980590.033	-23.29	0.91	DG
HK07BC0390	45.00564	141.88774	15.08	980593.926	-20.39	1.08	DG
HK07BC0391	45.01194	141.87796	79.88	980579.959	-21.02	2.08	DG
HK07BC0392	45.01757	141.83890	10.25	980594.920	-19.84	2.81	DG
HK07BC0393	45.02297	141.82004	9.27	980591.482	-26.45	0.35	DG
HK07BC0394	45.03317	141.82198	16.46	980593.211	-23.01	1.27	DG
HK07BC0395	45.02613	141.80522	6.64	980589.528	-29.19	0.40	DG
HK07BC0396	45.02378	141.79131	13.38	980585.958	-31.13	0.55	DG

Table 1. continued

Station name	Latitude (° N)	Longitude (° E)	Altitude (m)	G (mGal)	B.A (mGal)	T.C. (mGal)	Method
HK07BC0397	45.03132	141.78427	10.09	980588.173	-29.45	1.24	DG
HK07BC0398	45.11343	141.76920	9.90	980602.950	-23.26	0.19	DG
HK07BC0399	45.11469	141.78735	15.93	980601.433	-23.22	0.47	DG
HK07BC0400	45.11760	141.80276	19.00	980599.081	-25.61	0.29	SH
HK07BC0401	45.12563	141.80850	24.00	980601.631	-22.93	0.17	SH
HK07BC0402	45.14447	141.80833	30.24	980603.394	-21.43	0.38	DG
HK07BC0403	45.13403	141.80573	20.05	980601.819	-24.18	0.23	DG
HK07BC0404	45.12980	141.82246	48.78	980603.471	-16.01	0.71	DG
HK07BC0405	45.13391	141.83221	120.89	980590.141	-14.43	1.42	DG
HK07BC0406	45.14291	141.84418	164.63	980584.583	-12.11	0.83	DG
HK07BC0407	45.12912	141.85048	162.28	980584.184	-12.37	0.65	DG
HK07BC0408	45.12176	141.84052	82.32	980599.214	-12.02	1.60	DG
HK07BC0409	45.11244	141.85400	103.93	980594.851	-12.04	0.95	DG
HK07BC0410	44.87802	141.75087	3.00	980581.301	-24.95	0.26	INN
HK07BC0411	44.87802	141.75089	3.00	980581.301	-24.95	0.26	INN
HK07BC0412	44.92122	141.72705	10.00	980584.548	-24.25	0.24	SH
HK07BC0413	44.94273	141.71744	8.07	980586.042	-25.27	0.07	DG
HK07BC0414	44.96006	141.70784	8.14	980587.623	-25.15	0.17	DG
HK07BC0415	44.97346	141.70076	7.78	980589.253	-24.77	0.20	DG
HK07BC0416	44.98231	141.69508	10.00	980590.415	-23.57	0.60	SH
HK07BC0417	44.99131	141.68994	8.00	980591.820	-23.60	0.38	SH
HK07BC0418	44.99946	141.70114	4.79	980591.879	-25.03	0.26	DG
HK07BC0419	45.00756	141.73479	4.00	980590.576	-27.23	0.25	SH
HK07BC0420	45.00864	141.75479	2.00	980591.644	-26.86	0.04	SH
HK07BC0421	45.03223	141.73839	1.45	980593.699	-26.98	0.10	DG
HK07BC0422	45.02265	141.75017	2.70	980592.724	-26.87	0.07	DG
HK07BC0423	45.01062	141.77127	3.48	980590.542	-27.70	0.18	DG
HK07BC0424	45.00524	141.72298	1.14	980591.432	-26.86	0.12	DG
HK07BC0425	45.00169	141.70908	3.10	980591.710	-25.94	0.05	DG
HK07BC0426	45.00557	141.68251	6.80	980592.823	-24.26	0.25	DG
HK07BC0427	45.01601	141.67688	6.11	980594.345	-23.91	0.16	DG
HK07BC0428	45.03655	141.66389	7.00	980597.648	-22.09	0.36	SH
HK07BC0429	45.04494	141.65907	7.00	980598.796	-21.54	0.52	SH
HK07BC0430	45.05928	141.65785	6.82	980599.449	-22.70	0.04	DG
HK07BC0431	45.07201	141.65024	8.75	980599.715	-23.16	0.08	DG
HK07BC0432	45.09359	141.63597	13.00	980599.931	-23.66	0.47	SH

Station name	Latitude (° N)	Longitude (° E)	Altitude (m)	G (mGal)	B.A (mGal)	T.C. (mGal)	Method
HK07BC0433	45.10278	141.62592	7.00	980601.303	-24.44	0.34	SH
HK07BC0434	45.08856	141.65681	6.00	980601.999	-22.87	0.11	SH
HK07BC0435	45.07607	141.66182	3.00	980601.307	-23.01	0.13	SH
HK07BC0436	45.07727	141.67384	4.00	980600.221	-24.12	0.03	SH
HK07BC0437	45.08424	141.68536	0.81	980600.558	-24.89	0.17	DG
HK07BC0438	45.09954	141.64975	44.20	980593.916	-24.22	0.20	DG
HK07BC0439	45.09849	141.66792	7.00	980601.979	-23.46	0.25	SH
HK07BC0440	45.10249	141.67888	4.70	980601.028	-25.40	0.08	DG
HK07BC0441	45.10766	141.69508	5.05	980600.538	-26.25	0.12	DG
HK07BC0442	45.13199	141.70486	7.00	980601.535	-26.90	0.29	SH
HK07BC0443	45.13265	141.71527	5.00	980601.816	-27.27	0.09	SH
HK07BC0444	45.13171	141.72992	5.65	980601.829	-26.92	0.21	DG
HK07BC0445	45.13823	141.75352	5.08	980604.612	-24.74	0.24	DG
HK07BC0446	45.16837	141.74557	7.00	980607.841	-23.96	0.14	SH
HK07BC0447	45.17740	141.73694	6.00	980608.405	-24.46	0.12	SH
HK07BC0448	45.15994	141.74712	5.09	980606.747	-24.61	0.20	DG
HK07BC0449	45.14799	141.77545	88.05	980587.426	-25.45	1.17	DG
HK07BC0450	45.15115	141.78392	119.06	980579.484	-27.22	1.08	DG
HK07BC0451	45.07282	141.79648	35.41	980594.227	-22.88	0.51	DG
HK07BC0452	45.04573	141.74660	3.58	980594.994	-26.44	0.13	DG
HK07BC0453	45.02971	141.75998	3.39	980593.270	-26.65	0.22	DG
HK07BC0454	45.03151	141.73831	2.00	980593.711	-26.86	0.04	DG
HK07BC0455	44.87801	141.75087	3.00	980581.301	-24.95	0.26	INN
HK07BC0456	45.06179	141.83263	29.78	980594.433	-22.10	1.13	DG
HK07BC0457	45.04933	141.84512	42.62	980590.977	-21.36	1.64	DG
HK07BC0458	45.05870	141.85666	112.17	980579.758	-20.09	1.21	DG
HK07BC0459	45.04874	141.86488	90.79	980582.082	-21.64	0.88	DG
HK07BC0460	45.00307	141.85913	7.00	980595.970	-20.61	0.40	SH
HK07BC0461	44.99417	141.90489	15.00	980589.008	-24.57	0.84	SH
HK07BC0462	45.00429	141.91823	21.54	980594.765	-16.95	1.67	DG
HK07BC0463	45.01248	141.92418	27.46	980594.786	-17.74	0.74	DG
HK07BC0464	45.02103	141.92760	35.18	980595.989	-15.97	0.77	DG
HK07BC0465	45.03331	141.94873	50.73	980605.153	-2.33	2.67	DG
HK07BC0466	45.03637	141.96199	63.87	980605.917	-0.38	1.89	DG
HK07BC0467	44.98642	141.91396	23.00	980585.595	-25.80	0.69	SH

Table 1. continued

Station name	Latitude (° N)	Longitude (° E)	Altitude (m)	G (mGal)	B.A (mGal)	T.C. (mGal)	Method
HK07BC0468	44.99405	141.92305	32.64	980589.218	-17.78	3.77	DG
HK07BC0469	45.00510	141.83955	7.00	980593.076	-23.83	0.29	SH
HK07BC0470	45.00910	141.82642	6.00	980590.519	-27.14	0.10	SH
HK07BC0471	45.01588	141.80318	8.00	980586.581	-31.21	0.20	SH
HK07BC0472	45.04754	141.72784	4.00	980595.328	-26.07	0.27	SH
HK07BC0473	45.05802	141.72621	4.00	980596.519	-25.95	0.15	SH
HK07BC0474	45.06586	141.72510	4.00	980597.056	-26.12	0.15	SH
HK07BC0475	45.07119	141.73454	4.00	980597.383	-26.26	0.16	SH
HK07BC0476	45.07602	141.74234	5.00	980597.592	-26.38	0.07	SH
HK07BC0477	45.06648	141.74323	7.00	980596.705	-25.70	0.38	SH
HK07BC0478	45.05295	141.74536	6.00	980595.668	-25.78	0.30	SH
HK07BC0479	45.08178	141.76239	24.00	980594.590	-25.94	0.28	SH
HK07BC0480	45.08059	141.77319	25.00	980595.109	-25.31	0.08	SH
HK07BC0481	45.08633	141.74399	9.00	980597.675	-26.37	0.14	SH
HK07BC0482	45.08170	141.72813	5.00	980597.917	-26.50	0.15	SH
HK07BC0483	45.08971	141.76570	14.00	980598.199	-24.90	0.40	SH
HK07BC0484	45.09829	141.74728	8.00	980598.000	-27.43	0.04	SH
HK07BC0485	45.09856	141.79074	14.85	980601.744	-22.00	0.28	DG
HK07BC0486	45.10332	141.85210	115.00	980589.087	-15.30	0.35	SH
HK07BC0487	45.09107	141.84766	133.39	980582.979	-15.28	1.44	DG
HK07BC0488	45.11405	141.81874	29.00	980605.416	-17.01	0.22	SH
HK07B-FGS	43.07083	141.34389	15.00	980477.549	38.06	0.70	FGS