

付表 A-1 伊勢湾・三河湾沿岸域新規取得海底重力データ一覧

Table A-1 Newly observed ocean bottom gravity data in the Coastal Zone of Ise Bay and Mikawa Bay

No	Year	Day	Time	Lat.	Long.	H	TYPE	Gobs	Gnorm	FAC+ A	BGC	TI	Tw	B20	BGA
1	2019	730	1230	345245.38400	1363949.47000	-14.930	BWP	979700.545	979723.5000	-3.7360	0.6290	0.0326	0.2025	-25.1592	-24.7160
2	2019	730	1603	345237.35600	1363949.61400	-15.220	BWP	979700.869	979723.3110	-3.8254	0.6412	0.0339	0.2072	-24.7038	-24.2515
3	2019	731	1031	345229.12400	1363949.40400	-15.140	BWP	979701.042	979723.1171	-3.8008	0.6379	0.0337	0.2049	-24.3217	-23.8717
4	2019	731	1056	345221.18600	1363949.29600	-15.250	BWP	979701.087	979722.9301	-3.8347	0.6425	0.0338	0.208	-24.1110	-23.6578
5	2019	731	1118	345212.96600	1363949.46400	-15.370	BWP	979701.268	979722.7365	-3.8717	0.6475	0.0325	0.2106	-23.7633	-23.3077
6	2019	731	1251	345204.87200	1363949.47000	-15.330	BWP	979701.632	979722.5459	-3.8594	0.6459	0.0321	0.2117	-23.1992	-22.7450
7	2019	731	1320	345156.74200	1363949.51200	-15.120	BWP	979701.774	979722.3545	-3.7946	0.6370	0.0348	0.1999	-22.8256	-22.3755
8	2019	731	1350	345148.59400	1363949.48800	-14.140	BWP	979701.836	979722.1626	-3.4923	0.5957	0.0336	0.1793	-22.3756	-21.9540
9	2019	731	1446	345140.47000	1363949.49400	-13.640	BWP	979702.005	979721.9713	-3.3380	0.5747	0.0316	0.169	-21.9176	-21.5114
10	2019	731	1518	345132.37600	1363949.47000	-13.310	BWP	979702.173	979721.7807	-3.2362	0.5607	0.0294	0.1642	-21.4946	-21.0992
11	2019	731	1546	345124.28200	1363949.46400	-13.940	BWP	979702.594	979721.5901	-3.4306	0.5873	0.0304	0.1764	-21.0096	-20.5957
12	2019	731	1617	345116.17600	1363949.51800	-14.950	BWP	979702.997	979721.3992	-3.7421	0.6299	0.0325	0.1995	-20.6140	-20.1702
13	2019	801	830	345108.03400	1363949.47600	-15.420	BWP	979703.615	979721.2075	-3.8871	0.6497	0.0311	0.2121	-19.8995	-19.4434
14	2019	801	900	345059.92200	1363949.44000	-17.030	BWP	979704.141	979721.0165	-4.3838	0.7175	0.0331	0.2539	-19.4966	-18.9937
15	2019	801	926	345051.78600	1363949.44000	-18.000	BWP	979704.534	979720.8250	-4.6831	0.7584	0.0308	0.282	-19.1052	-18.5765
16	2019	801	959	345043.66800	1363949.47000	-18.740	BWP	979704.858	979720.6339	-4.9114	0.7896	0.0289	0.3039	-18.7373	-18.1889
17	2019	801	1027	345035.56200	1363949.45800	-19.280	BWP	979705.290	979720.4430	-5.0780	0.8123	0.0280	0.3178	-18.2231	-17.6601
18	2019	801	1053	345027.46200	1363949.47600	-19.710	BWP	979705.675	979720.2523	-5.2106	0.8304	0.0275	0.3333	-17.7288	-17.1540
19	2019	801	1121	345019.36200	1363949.44000	-20.160	BWP	979705.958	979720.0616	-5.3495	0.8494	0.0275	0.3473	-17.3416	-16.7541
20	2019	801	1150	345011.24400	1363949.47600	-20.520	BWP	979706.188	979719.8705	-5.4605	0.8646	0.0272	0.3589	-16.9897	-16.3922
21	2019	801	1322	345003.12000	1363949.43400	-20.820	BWP	979706.665	979719.6793	-5.5531	0.8772	0.0266	0.363	-16.3859	-15.7804
22	2019	801	1414	344955.05000	1363949.48800	-21.120	BWP	979706.962	979719.4893	-5.6456	0.8898	0.0263	0.3732	-15.9563	-15.3425
23	2019	801	1510	344946.89600	1363949.36800	-21.380	BWP	979707.028	979719.2974	-5.7258	0.9008	0.0261	0.3827	-15.7472	-15.1262
24	2019	801	1546	344938.82600	1363949.38000	-21.520	BWP	979707.414	979719.1075	-5.7690	0.9067	0.0258	0.3901	-15.1957	-14.5709
25	2019	807	1410	344930.64800	1363949.45200	-21.540	BWP	979708.031	979718.9150	-5.7752	0.9075	0.0252	0.388	-14.3942	-13.7693
26	2019	802	1027	344922.54200	1363949.45200	-21.470	BWP	979708.491	979718.7242	-5.7536	0.9046	0.0247	0.3836	-13.7331	-13.1105
27	2019	802	1102	344914.45400	1363949.49400	-21.320	BWP	979708.764	979718.5338	-5.7073	0.8983	0.0243	0.383	-13.2374	-12.6193

No	Year	Day	Time	Lat.	Long.	H	TYPE	Gobs	Gnorm	FAC+ A	BGC	TI	Tw	B20	BGA
28	2019	802	1135	344906.34200	1363949.45200	-21.230	BWP	979709.171	979718.3429	-5.6796	0.8945	0.0245	0.3808	-12.6213	-12.0055
29	2019	807	1341	344858.18800	1363949.45200	-21.310	BWP	979709.686	979718.1510	-5.7042	0.8978	0.0256	0.3819	-11.9290	-11.3104
30	2019	803	858	344850.09400	1363949.42200	-20.930	BWP	979710.043	979717.9605	-5.5870	0.8818	0.0252	0.3697	-11.3097	-10.7020
31	2019	803	923	344841.93400	1363949.50600	-20.300	BWP	979710.416	979717.7685	-5.3927	0.8553	0.0244	0.3478	-10.6276	-10.0382
32	2019	803	953	344833.84600	1363949.39800	-19.740	BWP	979710.875	979717.5782	-5.2199	0.8317	0.0246	0.3342	-9.8663	-9.2926
33	2019	803	1019	344825.71600	1363949.40400	-19.000	BWP	979711.244	979717.3869	-4.9916	0.8005	0.0238	0.3131	-9.1634	-8.6111
34	2019	803	1044	344817.65200	1363949.45800	-18.890	BWP	979711.748	979717.1971	-4.9577	0.7959	0.0238	0.3098	-8.4483	-7.8991
35	2019	803	1109	344809.41400	1363949.42200	-18.990	BWP	979712.419	979717.0033	-4.9885	0.8001	0.0232	0.3133	-7.6035	-7.0519
36	2019	803	1128	344801.44600	1363949.45200	-19.800	BWP	979713.150	979716.8158	-5.2384	0.8342	0.0249	0.3368	-6.8391	-6.2635
37	2019	803	1154	344753.31000	1363949.43400	-20.550	BWP	979713.820	979716.6244	-5.4698	0.8658	0.0248	0.3583	-6.1240	-5.5272
38	2019	803	1251	344745.15000	1363949.44000	-21.300	BWP	979714.536	979716.4324	-5.7012	0.8974	0.0243	0.3794	-5.3634	-4.7459
39	2019	803	1319	344737.02000	1363949.42200	-21.840	BWP	979715.200	979716.2411	-5.8678	0.9202	0.0236	0.3987	-4.6106	-3.9783
40	2019	803	1415	344729.01000	1363949.44000	-22.560	BWP	979715.787	979716.0526	-6.0899	0.9505	0.0236	0.421	-3.9737	-3.3210
41	2019	803	1352	344720.83800	1363949.43400	-23.260	BWP	979716.315	979715.8604	-6.3058	0.9800	0.0239	0.4375	-3.3928	-2.7202
42	2019	803	1449	344712.73800	1363949.44600	-23.730	BWP	979716.585	979715.6698	-6.4508	0.9998	0.0236	0.4588	-3.0162	-2.3306
43	2019	803	1520	344704.63800	1363949.45800	-24.150	BWP	979716.974	979715.4793	-6.5804	1.0175	0.0237	0.4698	-2.5194	-1.8218
44	2019	803	1553	344656.52000	1363949.44600	-24.630	BWP	979717.227	979715.2883	-6.7285	1.0378	0.0242	0.4861	-2.1651	-1.4536
45	2019	804	1022	344648.37800	1363949.43400	-25.100	BWP	979717.165	979715.0968	-6.8735	1.0576	0.0249	0.4994	-2.1259	-1.4006
46	2019	804	1054	344640.24800	1363949.41600	-25.400	BWP	979717.353	979714.9056	-6.9660	1.0702	0.0243	0.5099	-1.8044	-1.0711
47	2019	804	1121	344632.07600	1363949.47600	-25.780	BWP	979717.572	979714.7133	-7.0833	1.0862	0.0238	0.5251	-1.4637	-0.7200
48	2019	804	1144	344624.00000	1363949.47600	-26.070	BWP	979718.156	979714.5234	-7.1727	1.0984	0.0231	0.5353	-0.7457	0.0057
49	2019	804	1205	344615.96000	1363949.41000	-26.380	BWP	979718.544	979714.3343	-7.2684	1.1115	0.0227	0.5435	-0.2305	0.5294
50	2019	804	1302	344607.74600	1363949.45200	-26.680	BWP	979718.931	979714.1411	-7.3609	1.1242	0.0225	0.5549	0.2939	1.0622
51	2019	804	1324	344559.66400	1363949.47000	-26.970	BWP	979719.573	979713.9510	-7.4504	1.1364	0.0227	0.5645	1.0712	1.8478
52	2019	804	1347	344551.58200	1363949.45800	-27.250	BWP	979720.112	979713.7609	-7.5368	1.1482	0.0230	0.5734	1.7473	2.5320
53	2019	804	1452	344543.47600	1363949.43400	-27.610	BWP	979720.692	979713.5703	-7.6478	1.1633	0.0236	0.5851	2.4504	3.2456
54	2019	804	1517	344535.37600	1363949.42800	-27.850	BWP	979721.322	979713.3798	-7.7219	1.1735	0.0236	0.5955	3.2279	4.0299
55	2019	804	1544	344527.23400	1363949.39800	-28.170	BWP	979721.894	979713.1884	-7.8206	1.1869	0.0237	0.6024	3.9267	4.7378
56	2019	804	1612	344519.12800	1363949.40400	-28.520	BWP	979722.354	979712.9977	-7.9286	1.2017	0.0238	0.6118	4.5089	5.3299

No	Year	Day	Time	Lat.	Long.	H	TYPE	Gobs	Gnorm	FAC+ A	BGC	TI	Tw	B20	BGA
57	2019	806	857	344511.01600	1363949.39800	-28.930	BWP	979722.860	979712.8070	-8.0551	1.2190	0.0242	0.6277	5.1308	5.9638
58	2019	806	928	344502.92800	1363949.38000	-29.120	BWP	979723.309	979712.6168	-8.1137	1.2270	0.0236	0.6376	5.7364	6.5743
59	2019	807	1247	344454.75600	1363949.39200	-29.360	BWP	979723.948	979712.4247	-8.1877	1.2371	0.0233	0.6433	6.5190	7.3635
60	2019	806	1025	344446.66800	1363949.36800	-29.610	BWP	979724.379	979712.2345	-8.2649	1.2476	0.0231	0.6549	7.0955	7.9469
61	2019	806	1049	344438.58000	1363949.45200	-29.880	BWP	979724.870	979712.0443	-8.3481	1.2590	0.0231	0.6616	7.7232	8.5823
62	2019	806	1118	344430.43800	1363949.39200	-30.160	BWP	979725.192	979711.8529	-8.4345	1.2708	0.0230	0.6741	8.1865	9.0534
63	2019	806	1149	344422.32600	1363949.39800	-30.300	BWP	979725.526	979711.6622	-8.4777	1.2767	0.0222	0.6798	8.6841	9.5544
64	2019	806	1257	344414.26800	1363949.44000	-30.470	BWP	979725.691	979711.4727	-8.5302	1.2839	0.0217	0.6863	9.0062	9.8809
65	2019	806	1330	344406.14400	1363949.39800	-30.730	BWP	979725.576	979711.2817	-8.6104	1.2948	0.0216	0.6954	9.0330	9.9149
66	2019	806	1400	344357.97800	1363949.42200	-30.870	BWP	979725.646	979711.0898	-8.6536	1.3007	0.0215	0.7016	9.2696	10.1555
67	2019	806	1433	344349.86600	1363949.42800	-31.120	BWP	979725.236	979710.8991	-8.7307	1.3113	0.0218	0.7074	9.0010	9.8942
68	2019	806	1503	344341.75400	1363949.42800	-31.200	BWP	979725.151	979710.7084	-8.7554	1.3147	0.0215	0.7105	9.0914	9.9867
69	2019	806	1531	344333.68400	1363949.40400	-31.430	BWP	979724.882	979710.5187	-8.8263	1.3243	0.0218	0.7197	8.9705	9.8724
70	2019	807	1035	344325.56600	1363949.43400	-31.720	BWP	979724.885	979710.3279	-8.9158	1.3366	0.0224	0.728	9.1091	10.0197
71	2019	807	1105	344317.41200	1363949.41000	-31.860	BWP	979724.888	979710.1362	-8.9590	1.3425	0.0225	0.7298	9.2745	10.1890
72	2019	807	1134	344309.33600	1363949.43400	-31.980	BWP	979725.039	979709.9464	-8.9960	1.3475	0.0225	0.7369	9.5956	10.5135

凡例

No: 測点番号
 Lat: 緯度 (北緯35度52分3.7710秒を、355203.7710と表記)
 Lon: 経度 (東経136度18分31.3788秒を、1361831.3788と表記)
 H: 標高 (m)
 TYPE: 測点位置決定法
 BWP: 海底圧力計
 Gobs: 測定重力値 (mGal)
 Gnorm: 正規重力値 (mGal)
 FAC+A: フリーエア補正值＋大気補正值 (mGal)
 BGC: ブーゲー補正值 (mGal / (g/cm³))

TI: 地形補正值 (mGal / (g/cm³))
Tw: 海水補正值 (mGal / (g/cm³))
B20: ブーゲー異常値(仮定密度: 2.00 g/cm³)
BGA: ブーゲー異常値(仮定密度: 2.67 g/cm³)

任意の ρ (地殻表層岩石密度) と ρ_w (海水密度) を仮定した時のブーゲー異常値 Gb は、次式で計算される。

$$Gb = Gobs - Gnorm + FAC+A + (BGC + TI) \times \rho + Tw \times \rho_w$$

Legend

No: Station Number
Lat: Latitude (e.g. 355203.7710 means 35 degrees, 52 minutes, 3.7710 seconds, North)
Lon: Longitude (e.g. 1361831.3788 means 136 degrees, 18 minutes, 31.3788 seconds, East)
H: Observation Point Height (m)
TYPE: Positioning method of the stations
 BWP: Ocean bottom pressure
Gobs: Observed gravity value (mGal)
Gnorm: Normal gravity value (mGal)
FAC+A: Free-air and atmospheric correction value (mGal)
BGC: Bouguer correction value (mGal / (g/cm³))
TI: Terrain correction value (mGal / (g/cm³))
Tw: Sea water correction value (mGal / (g/cm³))
B20: Bouguer anomaly (assumed density: 2.00 g/cm³)
BGA: Bouguer anomaly (assumed density: 2.67 g/cm³)

Bouguer Anomaly value can be calculated as

$$Gb = Gobs - Gnorm + FAC+A + (BGC + TI) \times \rho + Tw \times \rho_w$$

where ρ and ρ_w are the assumed densities of surficial rocks and sea water, respectively.