

ภาคผนวก

ภาคผนวก ก.

ค่าสนามโน้มถ่วงผิดปกติของจุดวัดในพื้นที่ศึกษา

STATION: หมายเลขของจุดวัด

East (m), North (m): พิกัด UTM ของจุดวัด

ϕ (deg) : ละติจูดของจุดวัด

H (m): ระดับความสูงของจุดวัด

Density (kg/m^3): ความหนาแน่นของหิน

$$g_{\phi} (\mu\text{m/s}^2) = 9780318 (1 + 0.0053024 \sin^2 \phi - 0.0000059 \sin^2 2\phi)$$

$$\text{FAC} (\mu\text{m/s}^2) = 3.072 \times H$$

$$\text{BC} (\mu\text{m/s}^2) = 0.0004191 \times \text{Density} \times H; \text{Density} = 2500 \text{ kg/m}^3$$

TC ($\mu\text{m/s}^2$): ค่าปรับอิทธิพลของภูมิประเทศซึ่งประเมินจากแผนภูมิแสมเมอร์

$$\text{BA} (\mu\text{m/s}^2) = g_{\text{obs}} - g_{\phi} + \text{FAC} - \text{BC} + \text{TC}$$

STATION	East	North	Lat	H	g_{obs}	g_{ϕ}	FAC	BC	TC	BA
A1	519504	1034920	9.3652	17.0	9782139	9781685	52	18	15	503
A1.5	519800	1035347	9.3690	14.3	9782145	9781686	44	15	9	496
A2	520143	1035693	9.3722	13.3	9782152	9781687	41	14	7	498
A2.5	520620	1035916	9.3742	14.2	9782151	9781688	44	15	4	496
A3	521075	1036120	9.3760	15.8	9782146	9781688	48	17	5	494
A4	521300	1037151	9.3853	14.1	9782142	9781691	43	15	2	482
A4.5	520750	1037218	9.3860	16.9	9782147	9781691	52	18	2	492
A5	520350	1037227	9.3860	19.1	9782149	9781691	59	20	2	499
A5.5	519836	1037292	9.3866	14.0	9782142	9781691	43	15	4	483
A6	519318	1037393	9.3875	17.6	9782139	9781692	54	18	6	488
A7	519050	1036812	9.3823	22.4	9782135	9781690	69	23	4	495
A8	519211	1035756	9.3727	20.2	9782130	9781687	62	21	12	496
A9	521176	1035094	9.3667	19.8	9782150	9781686	61	21	4	509
A10	521724	1034407	9.3605	22.3	9782130	9781684	68	23	3	494
A11	522184	1033540	9.3527	21.5	9782119	9781682	66	23	7	489
A12	522507	1033254	9.3501	16.0	9782107	9781681	49	17	5	464
A13	522777	1034251	9.3591	17.9	9782092	9781684	55	19	3	448
A14	523062	1035254	9.3682	18.8	9782084	9781686	58	20	2	438
A15	523273	1036229	9.3770	16.9	9782085	9781689	52	18	2	433
A16	523252	1037214	9.3859	18.3	9782100	9781691	56	19	0	447

STATION	East	North	Lat	H	g_obs	g_φ	FAC	BC	TC	BA
A16.5	522813	1037256	9.3863	12.1	9782117	9781691	37	13	1	450
A17	522260	1037190	9.3857	16.5	9782128	9781691	51	17	1	471
A17.5	521796	1037199	9.3858	15.5	9782136	9781691	48	16	1	477
A18	519641	1036579	9.3802	16.5	9782148	9781690	51	17	7	499
A19	520129	1036531	9.3797	16.7	9782151	9781689	51	18	5	500
A20	520664	1036462	9.3791	16.4	9782149	9781689	50	17	3	495
A21	521106	1036274	9.3774	13.5	9782148	9781689	41	14	3	489
A22	522052	1034210	9.3587	19.6	9782118	9781683	60	21	4	478
A23	521521	1034301	9.3596	20.6	9782136	9781684	63	22	11	505
A24	521067	1034456	9.3610	19.4	9782148	9781684	60	20	7	510
A25	520767	1034883	9.3648	18.8	9782155	9781685	58	20	6	514
A26	520616	1035347	9.3690	19.1	9782155	9781686	59	20	6	513
A27	520288	1035794	9.3731	16.3	9782153	9781688	50	17	4	503
A28	519980	1036203	9.3768	16.7	9782149	9781689	51	18	4	498
A29	519332	1034272	9.3593	17.5	9782114	9781684	54	18	17	483
A30	519833	1034060	9.3574	14.8	9782135	9781683	46	16	8	490
A31	520287	1033865	9.3556	14.5	9782144	9781683	44	15	10	500
A32	520303	1033494	9.3523	14.6	9782140	9781682	45	15	6	495
A33	520624	1033326	9.3508	16.4	9782149	9781681	50	17	5	507
A34	521159	1033380	9.3512	15.4	9782143	9781681	47	16	7	501
A35	521598	1033382	9.3513	14.5	9782139	9781681	45	15	5	492
A36	521600	1032825	9.3462	16.7	9782134	9781680	51	18	7	495
A37	521783	1032371	9.3421	16.9	9782126	9781679	52	18	10	491
A38	522081	1031956	9.3384	16.5	9782110	9781678	51	17	12	477
A39	518444	1032967	9.3475	21.6	9782012	9781680	66	23	12	388
A40	518726	1032521	9.3435	23.0	9782016	9781679	71	24	8	392
A41	518680	1032042	9.3392	34.1	9781994	9781678	105	36	8	393
A42	519084	1031696	9.3360	22.3	9782015	9781677	69	23	10	393
A43	519502	1031451	9.3338	19.4	9782016	9781676	60	20	8	388
A44	520016	1031452	9.3338	16.4	9782034	9781676	50	17	18	409
A45	520490	1031585	9.3350	21.7	9782046	9781677	67	23	17	430
A46	520970	1031473	9.3340	21.4	9782067	9781676	66	22	14	448
A47	521503	1031520	9.3344	19.0	9782116	9781676	58	20	13	490
A48	521978	1031540	9.3346	22.5	9782100	9781676	69	24	11	480
A49	518700	1033403	9.3515	21.5	9782029	9781681	66	22	8	398

STATION	East	North	Lat	H	g_obs	g_φ	FAC	BC	TC	BA
A50	518136	1032590	9.3441	28.7	9782004	9781679	88	30	10	393
A51	517559	1031770	9.3367	52.6	9781950	9781677	162	55	5	384
A52	517047	1030874	9.3286	40.8	9782007	9781675	125	43	3	419
A53	516671	1029896	9.3197	26.9	9782028	9781672	83	28	5	415
A54	517105	1029118	9.3127	31.9	9782019	9781670	98	33	5	419
A55	518048	1028765	9.3095	30.4	9782026	9781669	94	32	4	422
A56	518958	1028810	9.3099	37.1	9781989	9781669	114	39	6	401
A57	519656	1028100	9.3035	25.8	9782015	9781667	79	27	6	405
A58	520113	1027226	9.2956	24.3	9782025	9781665	75	25	4	413
A59	520946	1026712	9.2909	18.5	9782037	9781664	57	19	6	417
A60	521994	1026602	9.2899	18.6	9782010	9781664	57	19	4	389
A61	522920	1026889	9.2925	17.6	9782017	9781664	54	18	4	392
A62	522856	1027878	9.3015	18.8	9782034	9781667	58	20	8	413
A63	522707	1028887	9.3106	22.7	9782045	9781670	70	24	11	433
A64	522604	1029910	9.3199	28.2	9782051	9781672	87	30	15	450
A65	522442	1030928	9.3291	18.6	9782094	9781675	57	20	11	468
A66	521786	1037723	9.3905	15.6	9782131	9781693	48	16	1	471
A67	521504	1037977	9.3928	15.5	9782132	9781693	48	16	1	471
A68	520966	1038240	9.3952	16.5	9782141	9781694	51	17	1	482
A69	520601	1038467	9.3973	11.6	9782141	9781695	36	12	1	470
A70	520157	1038812	9.4004	14.6	9782131	9781695	45	15	2	467
A71	519765	1039126	9.4032	15.2	9782122	9781696	47	16	2	459
A72	519329	1039387	9.4056	15.2	9782110	9781697	47	16	1	445
A73	518873	1039649	9.4080	15.7	9782121	9781698	48	16	1	456
A74	518398	1039649	9.4080	16.2	9782120	9781698	50	17	0	456
A75	518062	1039894	9.4102	18.3	9782112	9781698	56	19	1	451
A76	518362	1040114	9.4122	19.4	9782118	9781699	60	20	1	459
A77	518701	1039215	9.4040	18.8	9782120	9781697	58	20	2	463
A78	518798	1038770	9.4000	19.2	9782118	9781695	59	20	2	463
A79	518861	1038287	9.3956	22.3	9782119	9781694	68	23	2	473
A80	518928	1037770	9.3910	22.3	9782119	9781693	69	23	1	472
A81	518782	1037523	9.3887	21.1	9782128	9781692	65	22	6	484
A82	518287	1037685	9.3902	22.6	9782121	9781693	69	24	5	479
A83	517842	1037886	9.3920	21.0	9782113	9781693	64	22	3	466
A84	517286	1038009	9.3931	20.8	9782096	9781693	64	22	4	449

STATION	East	North	Lat	H	g_obs	g_φ	FAC	BC	TC	BA
A85	516834	1037985	9.3929	20.8	9782084	9781693	64	22	3	436
A86	516272	1037949	9.3926	23.4	9782075	9781693	72	24	6	435
A87	518366	1037151	9.3854	16.4	9782121	9781691	50	17	5	467
A88	519004	1036657	9.3809	19.4	9782138	9781690	60	20	6	494
A89	518432	1036716	9.3814	18.8	9782119	9781690	58	20	4	471
A90	517962	1036766	9.3819	19.8	9782102	9781690	61	21	8	460
A91	517420	1036825	9.3824	22.3	9782084	9781690	69	23	4	443
A92	516946	1036978	9.3838	22.9	9782074	9781691	70	24	3	433
A93	516503	1037276	9.3865	23.2	9782066	9781691	71	24	3	424
A94	516092	1037546	9.3889	25.4	9782050	9781692	78	27	3	412
A95	522302	1037662	9.3900	16.5	9782127	9781692	51	17	1	469
A96	522697	1037962	9.3927	16.0	9782117	9781693	49	17	1	458
A97	523124	1038299	9.3957	14.9	9782105	9781694	46	16	1	443
A98	523476	1038618	9.3986	16.7	9782098	9781695	51	17	0	437
A99	523855	1039043	9.4024	14.5	9782090	9781696	45	15	0	424
A100	524180	1039411	9.4058	17.9	9782080	9781697	55	19	0	419
A101	524516	1039805	9.4093	15.2	9782070	9781698	47	16	0	403
A102	523817	1037308	9.3868	14.2	9782078	9781692	44	15	1	416
A103	524297	1037318	9.3868	12.1	9782062	9781692	37	13	0	395
A104	524867	1037330	9.3870	12.8	9782047	9781692	39	13	0	382
A105	525329	1037335	9.3870	16.1	9782040	9781692	49	17	0	380
A106	522227	1037050	9.3844	19.6	9782130	9781691	60	21	1	480
A107	522711	1036926	9.3833	16.7	9782120	9781691	51	17	1	464
A108	523214	1036710	9.3814	13.8	9782099	9781690	42	14	1	437
A109	523214	1036710	9.3814	13.6	9782077	9781690	42	14	0	415
A110	524166	1036376	9.3783	16.5	9782060	9781689	51	17	0	405
A111	524706	1036261	9.3773	15.2	9782042	9781689	47	16	0	384
A112	523239	1037738	9.3906	15.5	9782104	9781693	48	16	1	444
A113	523226	1038276	9.3955	17.5	9782103	9781694	54	18	0	445
A114	523201	1038793	9.4002	15.1	9782104	9781695	46	16	0	440
A115	523185	1039279	9.4046	20.2	9782102	9781697	62	21	0	446
A116	523170	1039823	9.4095	15.2	9782099	9781698	47	16	0	432
A117	522856	1033270	9.3502	12.6	9782092	9781681	39	13	8	444
A118	522884	1032875	9.3467	15.4	9782090	9781680	47	16	8	450
A119	523150	1033163	9.3493	15.1	9782078	9781681	46	16	7	436
A120	523646	1032940	9.3472	13.7	9782054	9781680	42	14	4	406