

The tables in this document summarize the information about the measurement and the data analysis for each observation station. The column 'system' means the measurement system: ADU system (Metronix) or MTU system (Phoenix Geophysics). Magnetic field station means the station whose horizontal magnetic field components were used as the independent variables (predictor variables) for the response function estimation. For the stations at which the magnetic field data were not measured or were not properly measured, the horizontal magnetic field components of another station were used for estimating response functions. SWU and ESS indicate Sawauchi and Esashi stations, respectively, which were used as the reference stations for the remote reference method (Gamble et al., 1979).

Table 1. Station name, longitude, latitude, measurement system, magnetic field station, and remote reference station (1/3)

Station	Longitude (WGS84)	Latitude (WGS84)	System	Mag field sta.	Mag field sta. for HMTF	RR sta.	RR sta. for HMTF
CHK110	139.90114	39.11344	MTU	CHK110	CHK170	SWU	SWU
CHK120	139.93631	39.10858	MTU	CHK120	CHK170	SWU	SWU
CHK130	139.96600	39.11147	MTU	CHK130	CHK170	SWU	SWU
CHK140	140.00344	39.10314	MTU	CHK170	-	SWU	-
CHK150	140.08022	39.09211	MTU	CHK170	-	SWU	-
CHK160	140.10950	39.08461	MTU	CHK160	CHK170	SWU	SWU
CHK170	140.15953	39.07403	MTU	CHK170	-	SWU	-
CHK181	140.22603	39.05619	MTU	CHK181	CHK170	SWU	SWU
CHK190	140.27492	39.05672	MTU	CHK190	CHK170	SWU	SWU
CHK200	140.31169	39.05000	MTU	CHK200	CHK170	SWU	SWU
CHK210	140.36314	39.05019	MTU	CHK210	-	SWU	-
SKT110	139.86764	39.01025	MTU	SKT110	SKT180	ESS	ESS
SKT120	139.95783	38.97124	MTU	SKT120	SKT180	ESS	ESS
SKT130	140.01111	38.96050	ADU	SKT130	SKT170	SKT160 ^{*1}	SKT160 ^{*1}
SKT140	140.06686	38.96506	MTU	SKT140	SKT180	ESS	ESS
SKT150	140.13353	38.96434	ADU	SKT170	-	SKT160 ^{*1}	-
SKT160	140.21068	38.94508	ADU	SKT160	SKT170	SKT170 ^{*1}	GSS115 ^{*1}
SKT170	140.31289	38.89808	ADU	SKT170	-	SKT160 ^{*1}	-
SKT180	140.38436	38.89356	MTU	SKT180	-	ESS	-
SNJ110	139.80014	38.84903	MTU	SNJ110	CHK170	SWU	SWU
SNJ120	139.89422	38.86597	MTU	SNJ120	SNJ190	SWU	SWU
SNJ130	139.92139	38.86183	MTU	SNJ130	SNJ190	SWU	SWU
SNJ140	139.96972	38.84564	MTU	SNJ140	SNJ160	SWU	SWU
SNJ150	140.01189	38.83869	MTU	SNJ150	SNJ160	SWU	SWU
SNJ160	140.05228	38.84769	MTU	SNJ160	-	SWU	-
SNJ170	140.10822	38.82931	MTU	SNJ160	-	SWU	-
SNJ180	140.14736	38.81533	MTU	SNJ180	SNJ160	SWU	SWU
SNJ190	140.20356	38.82400	MTU	SNJ190	-	SWU	-
SNJ200	140.24881	38.79786	MTU	SNJ200	SNJ160	SWU	SWU
SNJ210	140.28211	38.79431	MTU	SNJ210	SNJ190	SWU	SWU

*1: ESS was used as the RR station for the 1 Hz sampling data.

Table 2. Station name, longitude, latitude, measurement system, magnetic field station, and remote reference station (2/3)

Station	Longitude (WGS84)	Latitude (WGS84)	System	Mag field sta.	Mag field sta. for HMTF	RR sta.	RR sta. for HMTF
TRK110	139.79859	38.78050	ADU	TRK110	TRK120	GSS145*1	GSS145*1
TRK120	139.90752	38.75121	ADU	TRK120	-	GSS145*1	-
TRK130	139.96540	38.73428	ADU	TRK130	TRK190	GSS140*1	GSS140*1
TRK140	140.01317	38.70347	MTU	TRK140	GSS130	SWU	SWU
TRK150	140.08672	38.70986	MTU	GSS130	-	SWU	-
TRK160	140.15403	38.66236	ADU	TRK190	-	GSS140*1	-
TRK170	140.22944	38.63164	ADU	TRK170	-	-	-
TRK180	140.31856	38.59825	ADU	TRK180	TRK190	GSS140*1	GSS140*1
TRK190	140.41617	38.57992	ADU	TRK190	-	GSS140*1	-
GSS110	139.66440	38.68519	ADU	GSS110	SKT170	SKT160*2	SKT160*2
GSS115	139.73278	38.65774	ADU	GSS115	SKT170	SKT160*2	SKT160*2
GSS120	139.78492	38.65854	MTU	GSS120	SKT180	ESS	ESS
GSS125	139.83489	38.63488	MTU	GSS125	GSS130	SWU	SWU
GSS130	139.87045	38.60424	MTU	GSS130	-	SWU	-
GSS135	139.91964	38.59014	ADU	GSS135	TRK190	GSS140*1	GSS140*1
GSS140	139.95317	38.56697	ADU	GSS140	TRK190	TRK130*1	TRK130*1
GSS145	139.97951	38.54080	ADU	GSS145	TRK120	TRK120*1	GSS165*1
GSS150	140.00839	38.51650	MTU	GSS150	GSS151	ESS	ESS
GSS151	140.01970	38.47891	MTU	GSS151	-	ESS	-
GSS153	140.04867	38.46776	MTU	GSS151	-	ESS	-
GSS155	140.09259	38.46728	MTU	GSS155	GSS151	ESS	ESS
GSS160	140.13478	38.45539	MTU	GSS160	GSS151	ESS	ESS
GSS165	140.19173	38.45085	ADU	GSS165	TRK120	GSS145*1	GSS145*1
GSS170	140.24844	38.41728	ADU	GSS170	TRK120	GSS145*1	GSS145*1
GSS171	140.24844	38.41728	ADU	GSS171	TRK120	GSS145*1	GSS145*1
GSS175	140.31830	38.40324	ADU	GSS175	-	GSS190*2	-
GSS180	140.36036	38.39128	ADU	TRK120	-	GSS145*1	-
GSS185	140.40651	38.37866	ADU	GSS190	-	GSS175*2	-
GSS190	140.43861	38.34451	ADU	GSS190	GSS175	GSS175*2	GSS185*2
ASH000	140.26094	38.18919	MTU	ASH000	ASH115	SWU	SWU

*1: SWU was used as the RR station for the 1 Hz sampling data.

*2: ESS was used as the RR station for the 1 Hz sampling data.

Table 3. Station name, longitude, latitude, measurement system, magnetic field station, and remote reference station (3/3)

Station	Longitude (WGS84)	Latitude (WGS84)	System	Mag field sta.	Mag field sta. for HMTF	RR sta.	RR sta. for HMTF
ASH001	140.21575	38.22253	MTU	ASH001	ASH005	ESS	ESS
ASH002	140.16772	38.25672	MTU	ASH002	ASH010	ESS	ESS
ASH003	140.11233	38.27608	MTU	ASH003	ASH005	ESS	ESS
ASH004	140.07853	38.30669	MTU	ASH004	ASH005	ESS	ESS
ASH005	140.04428	38.31922	MTU	ASH005	-	ESS	-
ASH006	139.98989	38.31669	MTU	ASH006	ASH005	ESS	ESS
ASH007	139.94981	38.34942	MTU	ASH007	ASH010	ESS	ESS
ASH008	139.83356	38.35828	MTU	ASH008	ASH010	ESS	ESS
ASH009	139.81525	38.40686	MTU	ASH010	-	ESS	-
ASH010	139.79983	38.43608	MTU	ASH010	-	ESS	-
ASH011	139.74122	38.47072	MTU	ASH011	ASH010	ESS	ESS
ASH012	139.66928	38.46386	MTU	ASH012	ASH010	ESS	ESS
ASH013	139.58650	38.51428	MTU	ASH013	ASH010	ESS	ESS
ASH115	139.67858	38.44358	MTU	ASH115	-	SWU	-
ASH125	139.62572	38.50525	MTU	ASH125	ASH115	SWU	SWU
ASH135	139.55328	38.52961	MTU	ASH135	ASH115	SWU	SWU
YNZ100	139.46649	38.28322	ADU	YNZ100	YNZ130	YNZ135 ^{*1}	YNZ135 ^{*1}
YNZ110	139.58669	38.21203	MTU	YNZ110	-	SWU	SWU
YNZ105	139.52823	38.24015	ADU	YNZ105	YNZ130	YNZ135 ^{*1}	YNZ135 ^{*1}
YNZ115	139.64766	38.19698	ADU	YNZ115	YNZ155	YNZ165 ^{*1}	YNZ165 ^{*1}
YNZ120	139.72490	38.16967	ADU	YNZ120	YNZ130	YNZ135 ^{*1}	YNZ135 ^{*1}
YNZ125	139.77770	38.15804	ADU	YNZ130	-	YNZ135 ^{*1}	-
YNZ130	139.81886	38.14287	ADU	YNZ130	-	YNZ135 ^{*1}	-
YNZ135	139.87789	38.09664	ADU	YNZ135	YNZ130	YNZ130 ^{*1}	YNZ145 ^{*1}
YNZ140	139.94513	38.09117	ADU	YNZ140	YNZ130	YNZ135 ^{*1}	YNZ135 ^{*1}
YNZ145	139.98479	38.09029	ADU	YNZ145	YNZ130	YNZ135 ^{*1}	YNZ135 ^{*1}
YNZ150	140.07520	38.09447	ADU	YNZ150	YNZ130	YNZ135 ^{*1}	YNZ135 ^{*1}
YNZ155	140.12309	38.07864	ADU	YNZ155	-	YNZ165 ^{*1}	-
YNZ160	140.18356	38.05846	MTU	YNZ160	-	SWU	-
YNZ165	140.22837	38.04063	ADU	YNZ165	YNZ155	YNZ155 ^{*1}	YNZ115 ^{*1}
YNZ170	140.26244	38.01412	ADU	YNZ170	YNZ155	YNZ165 ^{*1}	YNZ165 ^{*1}

*1: ESS was used as the RR station for the 1 Hz sampling data.