

日付/時刻	Hz 北海道周波数	周波数 時差装置 商用周波数 Hz	北本TM 北本情報 北本七飯線潮流 万kW 北本七飯線潮流(中給システム)		北本TM 北本情報 北本七飯線潮流 MW 北本七飯線潮流(中給システム)		備考
2018/9/6 3:02 3:02:00		49.985	-0.015	-3.04	-30.4		
2018/9/6 3:02 3:02:03		49.98	-0.02	-2.88	-28.8		
2018/9/6 3:02 3:02:06		49.98	-0.02	-2.56	-25.6		
2018/9/6 3:02 3:02:09		49.975	-0.025	-3.04	-30.4		
2018/9/6 3:02 3:02:12		49.975	-0.025	-3.2	-32		
2018/9/6 3:02 3:02:15		49.98	-0.02	-3.28	-32.8		
2018/9/6 3:02 3:02:18		49.97	-0.03	-3.6	-36		
2018/9/6 3:02 3:02:21		49.975	-0.025	-4.16	-41.6		
2018/9/6 3:02 3:02:24		49.99	-0.01	-4.8	-48		
2018/9/6 3:02 3:02:27		49.985	-0.015	-4.32	-43.2		
2018/9/6 3:02 3:02:30		49.985	-0.015	-4.56	-45.6		
2018/9/6 3:02 3:02:33		49.99	-0.01	-4.32	-43.2		
2018/9/6 3:02 3:02:36		49.98	-0.02	-4.56	-45.6		
2018/9/6 3:02 3:02:39		49.99	-0.01	-4.96	-49.6		
2018/9/6 3:02 3:02:42		49.995	-0.005	-5.21	-52.1		
2018/9/6 3:02 3:02:45		49.995	-0.005	-5.37	-53.7		
2018/9/6 3:02 3:02:48		50.005	0.005	-5.53	-55.3		
2018/9/6 3:02 3:02:51		50.005	0.005	-5.45	-54.5		
2018/9/6 3:02 3:02:54		50.005	0.005	-5.77	-57.7		
2018/9/6 3:02 3:02:57		50.02	0.02	-6.09	-60.9		
2018/9/6 3:03 3:03:00		50.01	0.01	-4.88	-48.8		
2018/9/6 3:03 3:03:03		50	0	-4.96	-49.6		
2018/9/6 3:03 3:03:06		49.995	-0.005	-5.53	-55.3		
2018/9/6 3:03 3:03:09		50	0	-5.93	-59.3		
2018/9/6 3:03 3:03:12		49.995	-0.005	-6.17	-61.7		
2018/9/6 3:03 3:03:15		50	0	-5.93	-59.3		
2018/9/6 3:03 3:03:18		49.995	-0.005	-5.69	-56.9		
2018/9/6 3:03 3:03:21		50	0	-5.93	-59.3		
2018/9/6 3:03 3:03:24		50.005	0.005	-5.45	-54.5		
2018/9/6 3:03 3:03:27		49.99	-0.01	-4.72	-47.2		
2018/9/6 3:03 3:03:30		50.015	0.015	-5.37	-53.7		
2018/9/6 3:03 3:03:33		50	0	-4.48	-44.8		
2018/9/6 3:03 3:03:36		49.99	-0.01	-3.68	-36.8		
2018/9/6 3:03 3:03:39		49.995	-0.005	-5.05	-50.5		
2018/9/6 3:03 3:03:42		50	0	-4.88	-48.8		
2018/9/6 3:03 3:03:45		49.995	-0.005	-4.96	-49.6		
2018/9/6 3:03 3:03:48		49.995	-0.005	-4.8	-48		
2018/9/6 3:03 3:03:51		49.995	-0.005	-4.8	-48		
2018/9/6 3:03 3:03:54		50	0	-4.72	-47.2		
2018/9/6 3:03 3:03:57		50	0	-4	-40		
2018/9/6 3:04 3:04:00		50	0	-4.8	-48		
2018/9/6 3:04 3:04:03		50.005	0.005	-4.8	-48		
2018/9/6 3:04 3:04:06		50.005	0.005	-4.4	-44		
2018/9/6 3:04 3:04:09		50.015	0.015	-4.8	-48		
2018/9/6 3:04 3:04:12		50.005	0.005	-4.08	-40.8		
2018/9/6 3:04 3:04:15		50.01	0.01	-4	-40		
2018/9/6 3:04 3:04:18		49.995	-0.005	-3.76	-37.6		
2018/9/6 3:04 3:04:21		50	0	-4.16	-41.6		
2018/9/6 3:04 3:04:24		49.985	-0.015	-4.4	-44		
2018/9/6 3:04 3:04:27		49.995	-0.005	-5.45	-54.5		
2018/9/6 3:04 3:04:30		49.995	-0.005	-4.8	-48		
2018/9/6 3:04 3:04:33		49.99	-0.01	-4.96	-49.6		
2018/9/6 3:04 3:04:36		49.985	-0.015	-5.29	-52.9		
2018/9/6 3:04 3:04:39		49.995	-0.005	-5.61	-56.1		
2018/9/6 3:04 3:04:42		50	0	-5.21	-52.1		
2018/9/6 3:04 3:04:45		49.99	-0.01	-4.32	-43.2		
2018/9/6 3:04 3:04:48		49.985	-0.015	-4.56	-45.6		
2018/9/6 3:04 3:04:51		49.98	-0.02	-4.56	-45.6		
2018/9/6 3:04 3:04:54		49.985	-0.015	-4.88	-48.8		
2018/9/6 3:04 3:04:57		49.985	-0.015	-4.8	-48		
2018/9/6 3:05 3:05:00		49.99	-0.01	-4.56	-45.6		
2018/9/6 3:05 3:05:03		49.985	-0.015	-3.76	-37.6		
2018/9/6 3:05 3:05:06		49.985	-0.015	-4.88	-48.8		
2018/9/6 3:05 3:05:09		49.985	-0.015	-4.8	-48		
2018/9/6 3:05 3:05:12		49.985	-0.015	-4	-40		
2018/9/6 3:05 3:05:15		49.98	-0.02	-3.92	-39.2		
2018/9/6 3:05 3:05:18		50	0	-4.4	-44		
2018/9/6 3:05 3:05:21		49.98	-0.02	-2.64	-26.4		
2018/9/6 3:05 3:05:24		49.98	-0.02	-3.28	-32.8		
2018/9/6 3:05 3:05:27		49.99	-0.01	-4.16	-41.6		
2018/9/6 3:05 3:05:30		49.99	-0.01	-4.32	-43.2		
2018/9/6 3:05 3:05:33		49.995	-0.005	-4.56	-45.6		
2018/9/6 3:05 3:05:36		49.995	-0.005	-4.32	-43.2		
2018/9/6 3:05 3:05:39		50.005	0.005	-5.13	-51.3		
2018/9/6 3:05 3:05:42		50.005	0.005	-5.13	-51.3		
2018/9/6 3:05 3:05:45		49.995	-0.005	-4.72	-47.2		
2018/9/6 3:05 3:05:48		50.005	0.005	-4.56	-45.6		
2018/9/6 3:05 3:05:51		50	0	-3.84	-38.4		
2018/9/6 3:05 3:05:54		50	0	-4.08	-40.8		
2018/9/6 3:05 3:05:57		49.995	-0.005	-4.48	-44.8		
2018/9/6 3:06 3:06:00		49.995	-0.005	-4.72	-47.2		
2018/9/6 3:06 3:06:03		50	0	-4.72	-47.2		
2018/9/6 3:06 3:06:06		49.995	-0.005	-4.48	-44.8		
2018/9/6 3:06 3:06:09		49.995	-0.005	-4.56	-45.6		
2018/9/6 3:06 3:06:12		49.995	-0.005	-4.48	-44.8		
2018/9/6 3:06 3:06:15		49.995	-0.005	-3.6	-36		
2018/9/6 3:06 3:06:18		49.99	-0.01	-3.6	-36		
2018/9/6 3:06 3:06:21		49.99	-0.01	-3.6	-36		
2018/9/6 3:06 3:06:24		49.985	-0.015	-3.68	-36.8		
2018/9/6 3:06 3:06:27		49.985	-0.015	-3.92	-39.2		
2018/9/6 3:06 3:06:30		49.99	-0.01	-4.08	-40.8		
2018/9/6 3:06 3:06:33		49.99	-0.01	-3.52	-35.2		
2018/9/6 3:06 3:06:36		49.99	-0.01	-3.68	-36.8		
2018/9/6 3:06 3:06:39		49.995	-0.005	-3.2	-32		
2018/9/6 3:06 3:06:42		49.985	-0.015	-2.88	-28.8		
2018/9/6 3:06 3:06:45		49.99	-0.01	-3.76	-37.6		
2018/9/6 3:06 3:06:48		49.99	-0.01	-3.84	-38.4		
2018/9/6 3:06 3:06:51		49.995	-0.005	-4.24	-42.4		
2018/9/6 3:06 3:06:54		50.005	0.005	-3.2	-32		
2018/9/6 3:06 3:06:57		49.985	-0.015	-2.88	-28.8		
2018/9/6 3:07 3:07:00		50	0	-4.32	-43.2		
2018/9/6 3:07 3:07:03		49.98	-0.02	-3.52	-35.2		
2018/9/6 3:07 3:07:06		49.985	-0.015	-5.21	-52.1		
2018/9/6 3:07 3:07:09		49.98	-0.02	-5.61	-56.1		
2018/9/6 3:07 3:07:12		49.98	-0.02	-5.85	-58.5		
2018/9/6 3:07 3:07:15		49.97	-0.03	-5.61	-56.1		
2018/9/6 3:07 3:07:18		49.975	-0.025	-6.73	-67.3		
2018/9/6 3:07 3:07:21		49.97	-0.03	-6.65	-66.5		
2018/9/6 3:07 3:07:24		49.985	-0.015	-6.81	-68.1		
2018/9/6 3:07 3:07:27		49.975	-0.025	-6.25	-62.5		
2018/9/6 3:07 3:07:30		49.985	-0.015	-7.05	-70.5		
2018/9/6 3:07 3:07:33		49.99	-0.01	-6.73	-67.3		
2018/9/6 3:07 3:07:36		49.985	-0.015	-5.69	-56.9		
2018/9/6 3:07 3:07:39		49.985	-0.015	-5.77	-57.7		
2018/9/6 3:07 3:07:42		49.98	-0.02	-6.25	-62.5		
2018/9/6 3:07 3:07:45		49.995	-0.005	-6.81	-68.1		
2018/9/6 3:07 3:07:48		49.995	-0.005	-6.25	-62.5		
2018/9/6 3:07 3:07:51		49.995	-0.005	-6.73	-67.3		

日付/時刻	Hz 北海道周波数	周波数 時差装置 商用周波数 Hz	北本TM 北本情報 北本七飯線潮流 万kW 北本七飯線潮流(中給システム)		北本TM 北本情報 北本七飯線潮流 MW 北本七飯線潮流(中給システム)		備考
2018/9/6 3:07 3:07:54		50.01	0.01	-6.97	-69.7		
2018/9/6 3:07 3:07:57		49.995	-0.005	-5.77	-57.7		
2018/9/6 3:08 3:08:00		50	0	-6.33	-63.3		
2018/9/6 3:08 3:08:03		50	0	-7.21	-72.1		
2018/9/6 3:08 3:08:06		50.005	0.005	-6.41	-64.1		
2018/9/6 3:08 3:08:09		50.005	0.005	-6.41	-64.1		
2018/9/6 3:08 3:08:12		50.005	0.005	-7.21	-72.1		
2018/9/6 3:08 3:08:15		50.015	0.015	-7.69	-76.9		
2018/9/6 3:08 3:08:18		50.01	0.01	-6.89	-68.9		
2018/9/6 3:08 3:08:21		49.244	-0.756	-12.25	-122.5		
2018/9/6 3:08 3:08:24		46.13	-3.388	-38.84	-388.4		※20msサンプリングの最低周波数値に置換
2018/9/6 3:08 3:08:27		47.703	-2.297	-54.21	-542.1		
2018/9/6 3:08 3:08:30		48.659	-1.341	-19.06	-190.6		
2018/9/6 3:08 3:08:33		48.874	-1.126	-12.25	-122.5		
2018/9/6 3:08 3:08:36		48.889	-1.111	-25.55	-255.5		
2018/9/6 3:08 3:08:39		48.058	-1.942	-11.21	-112.1		
2018/9/6 3:08 3:08:42		48.929	-1.071	-34.91	-349.1		
2018/9/6 3:08 3:08:45		49.234	-0.766	-22.9	-229		
2018/9/6 3:08 3:08:48		49.384	-0.616	-22.9	-229		
2018/9/6 3:08 3:08:51		49.505	-0.495	-23.7	-237		
2018/9/6 3:08 3:08:54		49.505	-0.495	-23.7	-237		
2018/9/6 3:08 3:08:57		49.59	-0.41	-23.78	-237.8		
2018/9/6 3:09 3:09:00		49.66	-0.34	-24.98	-249.8		
2018/9/6 3:09 3:09:03		49.715	-0.285	-26.59	-265.9		
2018/9/6 3:09 3:09:06		49.76	-0.24	-27.07	-270.7		
2018/9/6 3:09 3:09:09		49.8	-0.2	-28.83	-288.3		
2018/9/6 3:09 3:09:12		49.835	-0.165	-28.99	-289.9		
2018/9/6 3:09 3:09:15		49.865	-0.135	-29.15	-291.5		
2018/9/6 3:09 3:09:18		49.885	-0.115	-29.87	-298.7		
2018/9/6 3:09 3:09:21		49.9	-0.1	-30.51	-305.1		
2018/9/6 3:09 3:09:24		49.92	-0.08	-30.99	-309.9		
2018/9/6 3:09 3:09:27		49.93	-0.07	-31.63	-316.3		
2018/9/6 3:09 3:09:30		49.94	-0.06	-31.79	-317.9		
2018/9/6 3:09 3:09:33		49.93	-0.07	-32.43	-324.3		
2018/9/6 3:09 3:09:36		49.955	-0.045	-34.59	-345.9		
2018/9/6 3:09 3:09:39		49.955	-0.045	-34.43	-344.3		
2018/9/6 3:09 3:09:42		49.965	-0.035	-35.08	-350.8		
2018/9/6 3:09 3:09:45		49.97	-0.03	-34.99	-349.9		
2018/9/6 3:09 3:09:48		49.975	-0.025	-34.75	-347.5		
2018/9/6 3:09 3:09:51		49.975	-0.025	-36.04	-360.4		
2018/9/6 3:09 3:09:54		49.975	-0.025	-35.8	-358		
2018/9/6 3:09 3:09:57		49.965	-0.035	-36.84	-368.4		
2018/9/6 3:10 3:10:00		49.97	-0.03	-39	-390		
2018/9/6 3:10 3:10:03		49.965	-0.035	-39.56	-395.6		
2018/9/6 3:10 3:10:06		49.99	-0.01	-40.28	-402.8		
2018/9/6 3:10 3:10:09		49.97	-0.03	-39.88	-398.8		
2018/9/6 3:10 3:10:12		49.97	-0.03	-42.84	-428.4		
2018/9/6 3:10 3:10:15		49.975	-0.025	-43.48	-434.8		
2018/9/6 3:10 3:10:18		49.975	-0.025	-44.52	-445.2		
2018/9/6 3:10 3:10:21		49.985	-0.015	-44.68	-446.8		
2018/9/6 3:10 3:10:24		49.975	-0.025	-45.09	-450.9		
2018/9/6 3:10 3:10:27		49.975	-0.025	-45.81	-458.1		
2018/9/6 3:10 3:10:30		49.97	-0.03	-46.69	-466.9		
2018/9/6 3:10 3:10:33		49.965	-0.035	-47.57	-475.7		
2018/9/6 3:10 3:10:36		49.96	-0.04	-49.09	-490.9		
2018/9/6 3:10 3:10:39		49.955	-0.045	-50.05	-500.5		
2018/9/6 3:10 3:10:42		49.95	-0.05	-51.49	-514.9		
2018/9/6 3:10 3:10:45		49.945	-0.055	-52.21	-522.1		
2018/9/6 3:10 3:10:48		49.95	-0.05	-53.49	-534.9		
2018/9/6 3:10 3:10:51		49.945	-0.055	-54.53	-545.3		
2018/9/6 3:10 3:10:54		49.945	-0.055	-55.42	-554.2		
2018/9/6 3:10 3:10:57		49.95	-0.05	-55.98	-559.8		
2018/9/6 3:11 3:11:00		49.925	-0.075	-56.54	-565.4		
2018/9/6 3:11 3:11:03		49.89	-0.11	-56.78	-567.8		
2018/9/6 3:11 3:11:06		49.85	-0.15	-57.1	-571		
2018/9/6 3:11 3:11:09		49.8	-0.2	-56.94	-569.4		
2018/9/6 3:11 3:11:12		49.755	-0.245	-57.02	-570.2		
2018/9/6 3:11 3:11:15		49.715	-0.285	-56.78	-567.8		
2018/9/6 3:11 3:11:18		49.68	-0.32	-57.02	-570.2		
2018/9/6 3:11 3:11:21		49.65	-0.35	-57.18	-571.8		
2018/9/6 3:11 3:11:24		49.615	-0.385	-57.26	-572.6		
2018/9/6 3:11 3:11:27		49.615	-0.385	-57.26	-572.6		
2018/9/6 3:11 3:11:30		49.58	-0.42	-56.94	-569.4		
2018/9/6 3:11 3:11:33		49.54	-0.46	-57.26	-572.6		
2018/9/6 3:11 3:11:36		49.515	-0.485	-57.18	-571.8		
2018/9/6 3:11 3:11:39		49.484	-0.516	-57.18	-571.8		
2018/9/6 3:11 3:11:42		49.459	-0.541	-57.1	-571		
2018/9/6 3:11 3:11:45		49.444	-0.556	-57.18	-571.8		
2018/9/6 3:11 3:11:48		49.429	-0.571	-57.26	-572.6		
2018/9/6 3:11 3:11:51		49.414	-0.586	-57.34	-573.4		
2018/9/6 3:11 3:11:54		49.404	-0.596	-56.86	-568.6		
2018/9/6 3:11 3:11:57		49.409	-0.591	-57.42	-574.2		
2018/9/6 3:12 3:12:00		49.404	-0.596	-57.18	-571.8		
2018/9/6 3:12 3:12:03		49.409	-0.591	-56.78	-567.8		
2018/9/6 3:12 3:12:06		49.404	-0.596	-57.26	-572.6		
2018/9/6 3:12 3:12:09		49.389	-0.611	-56.78	-567.8		
2018/9/6 3:12 3:12:12		49.374	-0.626	-57.18	-571.8		
2018/9/6 3:12 3:12:15		49.354	-0.646	-56.7	-567		
2018/9/6 3:12 3:12:18		49.344	-0.656	-56.86	-568.6		
2018/9/6 3:12 3:12:21		49.329	-0.671	-57.1	-571		
2018/9/6 3:12 3:12:24		49.314	-0.686	-56.78	-567.8		
2018/9/6 3:12 3:12:27		49.304	-0.696	-57.18	-571.8		
2018/9/6 3:12 3:12:30		49.289	-0.711	-56.86	-568.6		
2018/9/6 3:12 3:12:33		49.279	-0.721	-57.1	-571		
2018/9/6 3:12 3:12:36		49.279	-0.721	-56.94	-569.4		
2018/9/6 3:12 3:12:39		49.284	-0.716	-57.1	-571		
2018/9/6 3:12 3:12:42		49.289	-0.711	-57.02	-570.2		
2018/9/6 3:12 3:12:45		49.289	-0.711	-57.1	-571		
2018/9/6 3:12 3:12:48		49.299	-0.701	-56.62	-566.2		
2018/9/6 3:12 3:12:51		49.309	-0.691	-56.7	-567		
2018/9/6 3:12 3:12:54		49.314	-0.686	-56.86	-568.6		
2018/9/6 3:12 3:12:57		49.319	-0.681	-57.18	-571.8		
2018/9/6 3:13 3:13:00		49.324	-0.676	-56.94	-569.4		
2018/9/6 3:13 3:13:03		49.334	-0.666	-56.86	-568.6		
2018/9/6 3:13 3:13:06		49.349	-0.651	-56.78	-567.8		
2018/9/6 3:13 3:13:09		49.349	-0.651	-56.86	-568.6		
2018/9/6 3:13 3:13:12		49.339	-0.661	-56.94	-569.4		
2018/9/6 3:13 3:13:15		49.339	-0.661	-56.78	-567.8		
2018/9/6 3:13 3:13:18		49.334	-0.666	-56.86	-568.6		
2018/9/6 3:13 3:13:21		49.354	-0.646	-56.86	-568.6		
2018/9/6 3:13 3:13:24		49.369	-0.631	-56.62	-566.2		
2018/9/6 3:13 3:13:27		49.384	-0.616	-56.78	-567.8		
2018/9/6 3:13 3:13:30		49.384	-0.616	-57.1	-571		
2018/9/6 3:13 3:13:33		49.379	-0.621	-56.78	-567.8		
2018/9/6 3:13 3:13:36		49.379	-0.621	-57.1	-571		
2018/9/6 3:13 3:13:39		49.379	-0.621	-57.02	-570.2		
2018/9/6 3:13 3:13:42		49.379	-0.621	-57.1	-571		
2018/9/6 3:13 3:13:45		49.379	-0.621	-57.26	-572.6		

日付/時刻	Hz 北海道周波数	周波数 時差装置 商用周波数 Hz	北本TM 北本情報 北本七飯線潮流 万kW 北本七飯線潮流(中給システム)		北本TM 北本情報 北本七飯線潮流 MW 北本七飯線潮流(中給システム)		備考
2018/9/6 3:13 3:13:48		49.369	-0.631	-56.94	-56.94	-569.4	
2018/9/6 3:13 3:13:51		49.359	-0.641	-56.94	-56.94	-569.4	
2018/9/6 3:13 3:13:54		49.354	-0.646	-56.78	-56.78	-567.8	
2018/9/6 3:13 3:13:57		49.344	-0.656	-56.94	-56.94	-569.4	
2018/9/6 3:14 3:14:00		49.344	-0.656	-56.94	-56.94	-569.4	
2018/9/6 3:14 3:14:03		49.339	-0.661	-56.78	-56.78	-567.8	
2018/9/6 3:14 3:14:06		49.339	-0.661	-57.26	-57.26	-572.6	
2018/9/6 3:14 3:14:09		49.339	-0.661	-56.86	-56.86	-568.6	
2018/9/6 3:14 3:14:12		49.324	-0.676	-57.02	-57.02	-570.2	
2018/9/6 3:14 3:14:15		49.314	-0.686	-57.18	-57.18	-571.8	
2018/9/6 3:14 3:14:18		49.299	-0.701	-57.1	-57.1	-571	
2018/9/6 3:14 3:14:21		49.294	-0.706	-57.02	-57.02	-570.2	
2018/9/6 3:14 3:14:24		49.294	-0.706	-56.94	-56.94	-569.4	
2018/9/6 3:14 3:14:27		49.299	-0.701	-57.18	-57.18	-571.8	
2018/9/6 3:14 3:14:30		49.294	-0.706	-57.18	-57.18	-571.8	
2018/9/6 3:14 3:14:33		49.284	-0.716	-57.1	-57.1	-571	
2018/9/6 3:14 3:14:36		49.299	-0.701	-57.1	-57.1	-571	
2018/9/6 3:14 3:14:39		49.304	-0.696	-56.7	-56.7	-567	
2018/9/6 3:14 3:14:42		49.304	-0.696	-56.78	-56.78	-567.8	
2018/9/6 3:14 3:14:45		49.299	-0.701	-57.02	-57.02	-570.2	
2018/9/6 3:14 3:14:48		49.299	-0.701	-56.7	-56.7	-567	
2018/9/6 3:14 3:14:51		49.294	-0.706	-56.86	-56.86	-568.6	
2018/9/6 3:14 3:14:54		49.289	-0.711	-56.78	-56.78	-567.8	
2018/9/6 3:14 3:14:57		49.294	-0.706	-56.62	-56.62	-566.2	
2018/9/6 3:15 3:15:00		49.304	-0.696	-56.7	-56.7	-567	
2018/9/6 3:15 3:15:03		49.304	-0.696	-56.78	-56.78	-567.8	
2018/9/6 3:15 3:15:06		49.314	-0.686	-56.94	-56.94	-569.4	
2018/9/6 3:15 3:15:09		49.314	-0.686	-56.78	-56.78	-567.8	
2018/9/6 3:15 3:15:12		49.314	-0.686	-56.78	-56.78	-567.8	
2018/9/6 3:15 3:15:15		49.314	-0.686	-57.02	-57.02	-570.2	
2018/9/6 3:15 3:15:18		49.319	-0.681	-56.86	-56.86	-568.6	
2018/9/6 3:15 3:15:21		49.319	-0.681	-56.78	-56.78	-567.8	
2018/9/6 3:15 3:15:24		49.329	-0.671	-56.86	-56.86	-568.6	
2018/9/6 3:15 3:15:27		49.344	-0.656	-56.78	-56.78	-567.8	
2018/9/6 3:15 3:15:30		49.354	-0.646	-56.78	-56.78	-567.8	
2018/9/6 3:15 3:15:33		49.359	-0.641	-56.78	-56.78	-567.8	
2018/9/6 3:15 3:15:36		49.369	-0.631	-56.86	-56.86	-568.6	
2018/9/6 3:15 3:15:39		49.384	-0.616	-56.78	-56.78	-567.8	
2018/9/6 3:15 3:15:42		49.394	-0.606	-57.1	-57.1	-571	
2018/9/6 3:15 3:15:45		49.399	-0.601	-57.26	-57.26	-572.6	
2018/9/6 3:15 3:15:48		49.414	-0.586	-57.1	-57.1	-571	
2018/9/6 3:15 3:15:51		49.419	-0.581	-56.78	-56.78	-567.8	
2018/9/6 3:15 3:15:54		49.429	-0.571	-57.1	-57.1	-571	
2018/9/6 3:15 3:15:57		49.439	-0.561	-56.86	-56.86	-568.6	
2018/9/6 3:16 3:16:00		49.454	-0.546	-57.18	-57.18	-571.8	
2018/9/6 3:16 3:16:03		49.454	-0.546	-57.18	-57.18	-571.8	
2018/9/6 3:16 3:16:06		49.449	-0.551	-57.34	-57.34	-573.4	
2018/9/6 3:16 3:16:09		49.489	-0.511	-56.94	-56.94	-569.4	
2018/9/6 3:16 3:16:12		49.525	-0.475	-56.78	-56.78	-567.8	
2018/9/6 3:16 3:16:15		49.545	-0.455	-57.02	-57.02	-570.2	
2018/9/6 3:16 3:16:18		49.56	-0.44	-56.94	-56.94	-569.4	
2018/9/6 3:16 3:16:21		49.56	-0.44	-57.34	-57.34	-573.4	
2018/9/6 3:16 3:16:24		49.525	-0.475	-57.1	-57.1	-571	
2018/9/6 3:16 3:16:27		49.52	-0.48	-57.02	-57.02	-570.2	
2018/9/6 3:16 3:16:30		49.555	-0.445	-57.18	-57.18	-571.8	
2018/9/6 3:16 3:16:33		49.555	-0.445	-57.18	-57.18	-571.8	
2018/9/6 3:16 3:16:36		49.575	-0.425	-56.86	-56.86	-568.6	
2018/9/6 3:16 3:16:39		49.59	-0.41	-56.86	-56.86	-568.6	
2018/9/6 3:16 3:16:42		49.605	-0.395	-57.1	-57.1	-571	
2018/9/6 3:16 3:16:45		49.62	-0.38	-56.78	-56.78	-567.8	
2018/9/6 3:16 3:16:48		49.615	-0.385	-56.78	-56.78	-567.8	
2018/9/6 3:16 3:16:51		49.58	-0.42	-57.02	-57.02	-570.2	
2018/9/6 3:16 3:16:54		49.58	-0.42	-56.86	-56.86	-568.6	
2018/9/6 3:16 3:16:57		49.61	-0.39	-56.94	-56.94	-569.4	
2018/9/6 3:17 3:17:00		49.65	-0.35	-56.94	-56.94	-569.4	
2018/9/6 3:17 3:17:03		49.67	-0.33	-57.18	-57.18	-571.8	
2018/9/6 3:17 3:17:06		49.67	-0.33	-57.18	-57.18	-571.8	
2018/9/6 3:17 3:17:09		49.66	-0.34	-56.7	-56.7	-567	
2018/9/6 3:17 3:17:12		49.65	-0.35	-57.1	-57.1	-571	
2018/9/6 3:17 3:17:15		49.665	-0.335	-56.86	-56.86	-568.6	
2018/9/6 3:17 3:17:18		49.68	-0.32	-57.1	-57.1	-571	
2018/9/6 3:17 3:17:21		49.675	-0.325	-56.86	-56.86	-568.6	
2018/9/6 3:17 3:17:24		49.68	-0.32	-57.18	-57.18	-571.8	
2018/9/6 3:17 3:17:27		49.7	-0.3	-56.86	-56.86	-568.6	
2018/9/6 3:17 3:17:30		49.715	-0.285	-56.94	-56.94	-569.4	
2018/9/6 3:17 3:17:33		49.72	-0.28	-56.94	-56.94	-569.4	
2018/9/6 3:17 3:17:36		49.715	-0.285	-57.02	-57.02	-570.2	
2018/9/6 3:17 3:17:39		49.72	-0.28	-57.02	-57.02	-570.2	
2018/9/6 3:17 3:17:42		49.725	-0.275	-56.94	-56.94	-569.4	
2018/9/6 3:17 3:17:45		49.72	-0.28	-57.26	-57.26	-572.6	
2018/9/6 3:17 3:17:48		49.72	-0.28	-56.78	-56.78	-567.8	
2018/9/6 3:17 3:17:51		49.725	-0.275	-56.86	-56.86	-568.6	
2018/9/6 3:17 3:17:54		49.735	-0.265	-57.02	-57.02	-570.2	
2018/9/6 3:17 3:17:57		49.745	-0.255	-57.02	-57.02	-570.2	
2018/9/6 3:18 3:18:00		49.75	-0.25	-56.86	-56.86	-568.6	
2018/9/6 3:18 3:18:03		49.76	-0.24	-56.94	-56.94	-569.4	
2018/9/6 3:18 3:18:06		49.82	-0.18	-56.94	-56.94	-569.4	
2018/9/6 3:18 3:18:09		49.84	-0.16	-56.86	-56.86	-568.6	
2018/9/6 3:18 3:18:12		49.855	-0.145	-57.1	-57.1	-571	
2018/9/6 3:18 3:18:15		49.855	-0.145	-56.7	-56.7	-567	
2018/9/6 3:18 3:18:18		49.875	-0.125	-57.18	-57.18	-571.8	
2018/9/6 3:18 3:18:21		49.925	-0.075	-57.02	-57.02	-570.2	
2018/9/6 3:18 3:18:24		49.94	-0.06	-56.54	-56.54	-565.4	
2018/9/6 3:18 3:18:27		49.95	-0.05	-57.1	-57.1	-571	
2018/9/6 3:18 3:18:30		49.95	-0.05	-57.02	-57.02	-570.2	
2018/9/6 3:18 3:18:33		49.95	-0.05	-56.94	-56.94	-569.4	
2018/9/6 3:18 3:18:36		49.95	-0.05	-57.02	-57.02	-570.2	
2018/9/6 3:18 3:18:39		49.945	-0.055	-57.02	-57.02	-570.2	
2018/9/6 3:18 3:18:42		49.935	-0.065	-56.86	-56.86	-568.6	
2018/9/6 3:18 3:18:45		49.92	-0.08	-57.1	-57.1	-571	
2018/9/6 3:18 3:18:48		49.915	-0.085	-57.1	-57.1	-571	
2018/9/6 3:18 3:18:51		49.92	-0.08	-56.78	-56.78	-567.8	
2018/9/6 3:18 3:18:54		49.92	-0.08	-56.7	-56.7	-567	
2018/9/6 3:18 3:18:57		49.925	-0.075	-57.1	-57.1	-571	
2018/9/6 3:19 3:19:00		49.92	-0.08	-57.1	-57.1	-571	
2018/9/6 3:19 3:19:03		49.92	-0.08	-57.02	-57.02	-570.2	
2018/9/6 3:19 3:19:06		49.92	-0.08	-57.02	-57.02	-570.2	
2018/9/6 3:19 3:19:09		49.92	-0.08	-57.02	-57.02	-570.2	
2018/9/6 3:19 3:19:12		49.9	-0.1	-57.26	-57.26	-572.6	
2018/9/6 3:19 3:19:15		49.91	-0.09	-57.1	-57.1	-571	
2018/9/6 3:19 3:19:18		49.94	-0.06	-56.86	-56.86	-568.6	
2018/9/6 3:19 3:19:21		49.955	-0.045	-56.86	-56.86	-568.6	
2018/9/6 3:19 3:19:24		49.965	-0.035	-56.7	-56.7	-567	
2018/9/6 3:19 3:19:27		49.965	-0.035	-57.1	-57.1	-571	
2018/9/6 3:19 3:19:30		49.945	-0.055	-56.78	-56.78	-567.8	
2018/9/6 3:19 3:19:33		49.895	-0.105	-57.02	-57.02	-570.2	
2018/9/6 3:19 3:19:36		49.87	-0.13	-57.02	-57.02	-570.2	
2018/9/6 3:19 3:19:39		49.91	-0.09	-57.02	-57.02	-570.2	

日付/時刻	Hz 北海道周波数	周波数 時差装置 商用周波数 Hz	北本TM 北本情報 北本七飯線潮流 万kW 北本七飯線潮流(中給システム)		北本TM 北本情報 北本七飯線潮流 MW 北本七飯線潮流(中給システム)		備考
2018/9/6 3:19 3:19:42		49.965	-0.035	-56.62	-56.62	-566.2	
2018/9/6 3:19 3:19:45		49.975	-0.025	-56.06	-56.06	-560.6	
2018/9/6 3:19 3:19:48		49.985	-0.015	-56.14	-56.14	-561.4	
2018/9/6 3:19 3:19:51		49.975	-0.025	-56.38	-56.38	-563.8	
2018/9/6 3:19 3:19:54		49.94	-0.06	-56.94	-56.94	-569.4	
2018/9/6 3:19 3:19:57		49.885	-0.115	-57.1	-57.1	-571	
2018/9/6 3:20 3:20:00		49.875	-0.125	-56.94	-56.94	-569.4	
2018/9/6 3:20 3:20:03		49.915	-0.085	-56.7	-56.7	-567	
2018/9/6 3:20 3:20:06		49.955	-0.045	-56.94	-56.94	-569.4	
2018/9/6 3:20 3:20:09		49.975	-0.025	-56.86	-56.86	-568.6	
2018/9/6 3:20 3:20:12		49.955	-0.045	-56.94	-56.94	-569.4	
2018/9/6 3:20 3:20:15		49.915	-0.085	-57.18	-57.18	-571.8	
2018/9/6 3:20 3:20:18		49.875	-0.125	-57.1	-57.1	-571	
2018/9/6 3:20 3:20:21		49.88	-0.12	-56.78	-56.78	-567.8	
2018/9/6 3:20 3:20:24		49.905	-0.095	-56.78	-56.78	-567.8	
2018/9/6 3:20 3:20:27		49.92	-0.08	-57.02	-57.02	-570.2	
2018/9/6 3:20 3:20:30		49.935	-0.065	-56.62	-56.62	-566.2	
2018/9/6 3:20 3:20:33		49.935	-0.065	-56.86	-56.86	-568.6	
2018/9/6 3:20 3:20:36		49.87	-0.13	-57.1	-57.1	-571	
2018/9/6 3:20 3:20:39		49.805	-0.195	-56.86	-56.86	-568.6	
2018/9/6 3:20 3:20:42		49.81	-0.19	-56.7	-56.7	-567	
2018/9/6 3:20 3:20:45		49.83	-0.17	-56.94	-56.94	-569.4	
2018/9/6 3:20 3:20:48		49.825	-0.175	-57.02	-57.02	-570.2	
2018/9/6 3:20 3:20:51		49.82	-0.18	-56.7	-56.7	-567	
2018/9/6 3:20 3:20:54		49.8	-0.2	-56.86	-56.86	-568.6	
2018/9/6 3:20 3:20:57		49.79	-0.21	-56.94	-56.94	-569.4	
2018/9/6 3:21 3:21:00		49.775	-0.225	-57.18	-57.18	-571.8	
2018/9/6 3:21 3:21:03		49.76	-0.24	-57.18	-57.18	-571.8	
2018/9/6 3:21 3:21:06		49.695	-0.305	-57.02	-57.02	-570.2	
2018/9/6 3:21 3:21:09		49.565	-0.435	-56.86	-56.86	-568.6	
2018/9/6 3:21 3:21:12		49.434	-0.566	-57.34	-57.34	-573.4	
2018/9/6 3:21 3:21:15		49.334	-0.666	-57.1	-57.1	-571	
2018/9/6 3:21 3:21:18		49.274	-0.726	-57.26	-57.26	-572.6	
2018/9/6 3:21 3:21:21		49.249	-0.751	-57.02	-57.02	-570.2	
2018/9/6 3:21 3:21:24		49.284	-0.716	-57.1	-57.1	-571	
2018/9/6 3:21 3:21:27		49.319	-0.681	-57.1	-57.1	-571	
2018/9/6 3:21 3:21:30		49.299	-0.701	-57.1	-57.1	-571	
2018/9/6 3:21 3:21:33		49.129	-0.871	-56.94	-56.94	-569.4	
2018/9/6 3:21 3:21:36		49.009	-0.991	-56.78	-56.78	-567.8	
2018/9/6 3:21 3:21:39		49.009	-0.991	-56.78	-56.78	-567.8	
2018/9/6 3:21 3:21:42		48.964	-1.036	-56.62	-56.62	-566.2	
2018/9/6 3:21 3:21:45		48.979	-1.021	-56.62	-56.62	-566.2	
2018/9/6 3:21 3:21:48		49.004	-0.996	-56.7	-56.7	-567	
2018/9/6 3:21 3:21:51		48.989	-1.011	-56.62	-56.62	-566.2	
2018/9/6 3:21 3:21:54		48.969	-1.031	-56.54	-56.54	-565.4	
2018/9/6 3:21 3:21:57		48.914	-1.086	-56.46	-56.46	-564.6	
2018/9/6 3:22 3:22:00		48.814	-1.186	-56.3	-56.3	-563	
2018/9/6 3:22 3:22:03		48.694	-1.306	-56.3	-56.3	-563	
2018/9/6 3:22 3:22:06		48.559	-1.441	-55.98	-55.98	-559.8	
2018/9/6 3:22 3:22:09		48.433	-1.567	-55.9	-55.9	-559	
2018/9/6 3:22 3:22:12		48.328	-1.672	-55.74	-55.74	-557.4	
2018/9/6 3:22 3:22:15		48.218	-1.782	-55.5	-55.5	-555	
2018/9/6 3:22 3:22:18		48.118	-1.882	-55.5	-55.5	-555	
2018/9/6 3:22 3:22:21		47.903	-2.097	-54.93	-54.93	-549.3	
2018/9/6 3:22 3:22:24		47.668	-2.332	-54.77	-54.77	-547.7	
2018/9/6 3:22 3:22:27		47.968	-2.032	-54.61	-54.61	-546.1	
2018/9/6 3:22 3:22:30		48.824	-1.176	-56.3	-56.3	-563	
2018/9/6 3:22 3:22:33		49.174	-0.826	-50.37	-50.37	-503.7	
2018/9/6 3:22 3:22:36		49.314	-0.686	-51.09	-51.09	-510.9	
2018/9/6 3:22 3:22:39		49.474	-0.526	-55.42	-55.42	-554.2	
2018/9/6 3:22 3:22:42		49.57	-0.43	-56.06	-56.06	-560.6	
2018/9/6 3:22 3:22:45		49.585	-0.415	-56.78	-56.78	-567.8	
2018/9/6 3:22 3:22:48		49.494	-0.506	-56.94	-56.94	-569.4	
2018/9/6 3:22 3:22:51		49.349	-0.651	-57.02	-57.02	-570.2	
2018/9/6 3:22 3:22:54		49.199	-0.801	-56.78	-56.78	-567.8	
2018/9/6 3:22 3:22:57		49.089	-0.911	-56.7	-56.7	-567	
2018/9/6 3:23 3:23:00		49.044	-0.956	-56.7	-56.7	-567	
2018/9/6 3:23 3:23:03		49.044	-0.956	-56.62	-56.62	-566.2	
2018/9/6 3:23 3:23:06		49.094	-0.906	-56.7	-56.7	-567	
2018/9/6 3:23 3:23:09		49.189	-0.811	-56.86	-56.86	-568.6	
2018/9/6 3:23 3:23:12		49.284	-0.716	-56.86	-56.86	-568.6	
2018/9/6 3:23 3:23:15		49.349	-0.651	-57.02	-57.02	-570.2	
2018/9/6 3:23 3:23:18		49.384	-0.616	-57.02	-57.02	-570.2	
2018/9/6 3:23 3:23:21		49.399	-0.601	-57.02	-57.02	-570.2	
2018/9/6 3:23 3:23:24		49.399	-0.601	-57.02	-57.02	-570.2	
2018/9/6 3:23 3:23:27		49.419	-0.581	-57.1	-57.1	-571	
2018/9/6 3:23 3:23:30		49.429	-0.571	-57.1	-57.1	-571	
2018/9/6 3:23 3:23:33		49.414	-0.586	-57.1	-57.1	-571	
2018/9/6 3:23 3:23:36		49.409	-0.591	-57.18	-57.18	-571.8	
2018/9/6 3:23 3:23:39		49.399	-0.601	-57.1	-57.1	-571	
2018/9/6 3:23 3:23:42		49.399	-0.601	-57.18	-57.18	-571.8	
2018/9/6 3:23 3:23:45		49.384	-0.616	-57.1	-57.1	-571	
2018/9/6 3:23 3:23:48		49.369	-0.631	-57.1	-57.1	-571	
2018/9/6 3:23 3:23:51		49.384	-0.616	-57.1	-57.1	-571	
2018/9/6 3:23 3:23:54		49.414	-0.586	-57.1	-57.1	-571	
2018/9/6 3:23 3:23:57		49.469	-0.531	-57.18	-57.18	-571.8	
2018/9/6 3:24 3:24:00		49.494	-0.506	-57.18	-57.18	-571.8	
2018/9/6 3:24 3:24:03		49.515	-0.485	-57.1	-57.1	-571	
2018/9/6 3:24 3:24:06		49.464	-0.536	-57.18	-57.18	-571.8	
2018/9/6 3:24 3:24:09		49.525	-0.475	-57.1	-57.1	-571	
2018/9/6 3:24 3:24:12		49.525	-0.475	-57.1	-57.1	-571	
2018/9/6 3:24 3:24:15		49.59	-0.41	-57.18	-57.18	-571.8	
2018/9/6 3:24 3:24:18		49.64	-0.36	-57.18	-57.18	-571.8	
2018/9/6 3:24 3:24:21		49.67	-0.33	-57.18	-57.18	-571.8	
2018/9/6 3:24 3:24:24		49.69	-0.31	-57.1	-57.1	-571	
2018/9/6 3:24 3:24:27		49.675	-0.325	-57.18	-57.18	-571.8	
2018/9/6 3:24 3:24:30		49.64	-0.36	-57.1	-57.1	-571	
2018/9/6 3:24 3:24:33		49.625	-0.375	-57.18	-57.18	-571.8	
2018/9/6 3:24 3:24:36		49.62	-0.38	-57.18	-57.18	-571.8	
2018/9/6 3:24 3:24:39		49.675	-0.325	-57.18	-57.18	-571.8	
2018/9/6 3:24 3:24:42		49.745	-0.255	-57.18	-57.18	-571.8	
2018/9/6 3:24 3:24:45		49.77	-0.23	-56.94	-56.94	-569.4	
2018/9/6 3:24 3:24:48		49.78	-0.22	-56.78	-56.78	-567.8	
2018/9/6 3:24 3:24:51		49.75	-0.25	-56.7	-56.7	-567	
2018/9/6 3:24 3:24:54		49.635	-0.365	-56.78	-56.78	-567.8	
2018/9/6 3:24 3:24:57		49.469	-0.531	-57.18	-57.18	-571.8	
2018/9/6 3:25 3:25:00		49.319	-0.681	-56.94	-56.94	-569.4	
2018/9/6 3:25 3:25:03		49.179	-0.821	-57.02	-57.02	-570.2	
2018/9/6 3:25 3:25:06		48.934	-1.066	-56.7	-56.7	-567	
2018/9/6 3:25 3:25:09		47.963	-2.037	-55.58	-55.58	-555.8	
2018/9/6 3:25 3:25:12		47.192	-2.808	-55.02	-55.02	-550.2	
2018/9/6 3:25 3:25:15		47.172	-2.828	-54.69	-54.69	-546.9	
2018/9/6 3:25 3:25:18		47.247	-2.753	-54.45	-54.45	-544.5	
2018/9/6 3:25 3:25:21		47.337	-2.663	-54.53	-54.53	-545.3	
2018/9/6 3:25 3:25:24		47.482	-2.518	-54.85	-54.85	-548.5	
2018/9/6 3:25 3:25:27		46.792	-3.208	-54.93	-54.93	-549.3	
2018/9/6 3:25 3:25:30		45	-0.651	-51.97	-51.97	-519.7	※測定限界のため最低周波数不明
2018/9/6 3:25 3:25:33		45	-0.651	-8.97	-8.97	-89.7	※測定限界のため最低周波数不明

日付/時刻	周波数 時差装置 商用周波数 Hz	周波数 時差装置 商用周波数 Hz	北本TM 北本情報 北本七飯線潮流 万kW 北本七飯線潮流(中給システム)	北本TM 北本情報 北本七飯線潮流 MW 北本七飯線潮流(中給システム)	備考
2018/9/6 3:25 3:25:36	北海道周波数	45	-0.651	0.08	※測定限界のため最低周波数不明