

3. 観測表および参考天気図

3.1. 昭和24年(1949)~昭和25年(1950)の台風による脈動観測

地 震 課

Tab. 3.1.1. Kitty, Aug.~Sep., 1949.

Akita																					
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ
Aug. 31							Sep. 1							Sep. 1							
00h	2	1.5	1	1.2	—	—	00h	5	4.3	8	4.9	—	—	16h	9	1.8	13	2.2	—	—	
06	3	1.7	3	1.2	—	—	02	3	3.4	7	4.5	—	—	18	4	2.3	10	2.7	—	—	
12	4	3.7	6	5.0	—	—	04	—	—	7	3.7	—	—	20	4	3.6	6	3.2	—	—	
14	6	5.4	4	5.3	—	—	06	—	—	11	2.7	—	—	22	2	2.7	3	3.0	—	—	
16	5	4.9	7	5.2	—	—	08	3	2.5	10	2.9	—	—	24	2	2.7	3	2.9	—	—	
18	5	4.8	10	6.1	—	—	10	14	2.6	13	3.1	—	—	2							
20	3	4.1	5	4.9	—	—	12	11	2.1	22	2.4	—	—	06	2	2.8	2	3.7	—	—	
22	5	4.1	8	4.7	—	—	14	17	1.6	20	2.5	—	—								
Onahama																					
Aug. 30							Aug. 31							Sep. 1							
06h	2	0.7	2	0.7	2	0.8	18h	29	1.1	19	1.2	—	—	14h	16	1.1	11	1.2	12	1.6	
12	3	0.8	3	0.8	6	1.4	20	29	1.2	30	1.2	—	—	16	16	1.3	13	1.2	15	1.7	
18	6	1.1	5	0.7	3	1.8	22	32	1.2	24	1.4	—	—	18	19	1.2	13	1.2	—	—	
24	8	0.8	6	0.8	3	1.9							20	16	1.2	16	1.2	—	—		
31							Sep. 1							22	8	1.2	1	1.2	—	—	
06	14	1.3	9	1.1	10	1.7	00	29	1.4	30	1.3	—	—	2							
08	13	1.2	11	1.2	11	1.3	02	33	1.3	25	1.3	—	—	00	8	1.1	1	1.0	—	—	
10	11	1.1	14	1.0	13	1.8	04	30	1.4	22	1.3	—	—	06	3	1.2	2	1.0	—	—	
12	19	1.2	14	1.0	19	1.7	06	25	1.1	16	1.3	20	2.2	12	2	0.6	2	0.5	—	—	
14	29	1.2	16	1.2	15	2.0	08	22	1.9	19	1.8	11	1.9	18	2	0.8	2	0.6	—	—	
16	32	1.3	24	1.4	17	1.7	10	19	1.4	14	1.3	13	1.8								
							12	16	1.4	11	1.2	15	2.3								
Mito																					
Aug. 31							Aug. 31							Sep. 1							
00h	3	2.9	6	3.6	—	—	16h	14	4.0	26	5.4	11	2.2	09h	5	4.0	11	4.8	4	2.5	
06	4	3.5	7	3.8	—	—	18	20	5.0	21	4.9	11	2.3	12	6	4.2	10	4.8	3	2.0	
09	7	4.2	13	4.8	5	1.9	20	19	4.4	29	4.9	—	—	15	5	3.8	11	4.2	—	—	
12	11	4.0	15	4.7	8	2.2	22時から翌日6時まで欠測						18	—	—	7	4.1	—	—		
14	13	4.3	16	4.5	9	2.1	Sep. 1						21	—	—	8	4.3	—	—		
							06	—	—	—	—	—	—								
Tokyo																					
Aug. 29							Aug. 30							Aug. 31							
00h	17	7.6	—	—	—	—	22h	15	6.4	4	5.6	—	—	14h	72	6.2	81	6.2	—	—	
06	10	6.8	—	—	—	—	31						16	75	5.5	85	6.1	—	—		
12	8	6.7	—	—	—	—	00	13	6.4	4	6.0	—	—	18	89	5.5	89	5.4	—	—	
18	9	7.1	—	—	—	—	02	24	6.4	5	6.4	—	—	20	81	5.1	86	5.1	—	—	
30													22	66	4.9	65	5.4	42	4.3		
00	8	6.7	—	—	—	—	04	22	6.4	8	6.2	—	—	Sep. 1							
06	10	6.5	—	—	—	—	06	33	6.5	13	5.9	—	—	00	55	4.8	65	4.7	31	4.3	
12	16	6.9	—	—	—	—	08	26	6.8	35	6.6	—	—	02	30	4.7	33	4.6	20	4.5	
18	23	7.6	—	—	—	—	10	44	7.2	47	6.3	15	3.3	06	24	4.3	13	4.2	13	4.1	
20	10	5.5	4	5.6	—	—	12	45	6.0	40	5.7	18	3.9	12	17	4.1	13	3.8	10	4.2	

Descriptions in all the columns "Date & Time" of the tables are represented by J.S.T.

Tab. 3.1.1. Kitty, Aug.~Sep., 1949.

Tomisaki																				
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D	
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$
Aug. 29							Aug. 31					Sep. 1								
00h	3	4.0	—	—	—	—	16h	38	5.4	21	4.4	—	—	06h	27	3.8	20	3.7	—	—
06	4	3.9	—	—	—	—	17	38	6.0	41	4.7	—	—	07	23	3.8	23	3.7	—	—
12	2	4.0	—	—	—	—	18	69	5.3	48	4.3	—	—	08	27	3.4	19	3.6	—	—
18	5	4.0	—	—	—	—	19	—	—	73	4.5	—	—	09	23	3.8	14	3.9	—	—
30							20	—	—	71	4.9	—	—	12	19	3.8	11	3.9	—	—
00	3	4.3	—	—	—	—	21	—	—	69	4.4	—	—	18	9	3.2	4	3.3	—	—
06	2	4.1	—	—	—	—	22	—	—	55	4.3	—	—	2						
12	6	4.8	—	—	—	—	23	—	—	56	4.5	—	—	00	3	3.4	—	—	—	—
18	6	5.4	3	4.9	—	—	Sep. 1					06	4	3.9	—	—	—	—		
31							00	45	4.5	50	4.0	—	—	12	5	4.1	—	—	—	—
00	6	6.0	3	6.2	—	—	01	33	4.9	38	4.1	—	—	18	11	3.0	—	—	—	—
06	15	4.8	9	5.4	—	—	02	38	4.1	40	4.1	—	—	3						
11	23	5.2	24	3.8	—	—	03	32	3.8	24	4.3	—	—	00	6	2.4	—	—	—	—
12	23	5.2	27	4.6	—	—	04	28	3.4	24	4.1	—	—	06	—	—	—	—	—	—
13	29	5.1	22	4.9	—	—	05	21	4.2	19	4.3	—	—							
14	37	3.6	26	4.3	—	—														
15	39	5.2	26	4.4	—	—														

Omaezaki																				
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D	
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$
Aug. 31							Aug. 31					Aug. 31								
06h	6	5.1	2	4.2	—	—	16h	78	4.2	28	4.0	14	3.2	20h	50	4.8	36	4.8	—	—
12	28	6.0	26	6.5	—	—	17	72	4.1	38	4.1	17	3.8	21	48	5.4	22	4.6	—	—
14	30	3.9	14	3.2	4	2.9	18	64	3.6	38	4.1	21	4.1							
15	46	4.1	26	3.4	8	3.1	19	44	3.9	30	3.9	23	4.2							

Osaka																				
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D	
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$
Aug. 31							Aug. 31					Sep. 1								
00h	5	5.2	7	6.2	3	2.7	22h	17	4.9	11	5.5	10	1.4	12h	9	4.3	14	4.1	4	3.1
06	5	4.8	7	4.5	3	5.0	Sep. 1					18	9	4.7	13	4.4	—	—		
12	5	5.0	12	5.3	3	4.0	00	13	4.8	15	4.0	10	1.3	2						
14	13	5.3	13	4.6	4	4.2	02	10	1.3	11	3.7	10	1.6	00	6	4.3	8	4.3	—	—
16	19	5.0	21	4.9	8	1.1	04	10	3.8	8	3.8	4	1.4	06	8	4.2	7	4.4	—	—
18	22	5.2	28	4.9	3	4.6	06	10	3.7	13	3.6	4	1.2							
20	19	4.9	20	5.0	1	4.6	08	11	3.6	13	3.7	2	3.1							

Tab. 3.1.2. Patricia, Oct., 1949.

Akita																				
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D	
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$
Oct. 27							Oct. 29					Oct. 30								
12h	2	3.3	1	2.7	—	—	00h	11	5.6	20	6.1	—	—	12h	40	3.9	28	4.3	—	—
18	1	2.5	1	2.9	—	—	02	14	6.1	20	6.6	—	—	14	18	3.4	40	3.1	—	—
28							04	14	5.8	20	6.6	—	—	16	26	4.0	30	3.8	—	—
00	2	2.8	1	3.5	—	—	06	12	5.8	9	5.6	—	—	18	25	3.7	30	4.0	—	—
06	5	5.6	7	5.1	—	—	12	5	5.2	4	4.4	—	—	20	24	3.8	35	3.7	—	—
08	10	5.5	14	5.5	—	—	18	4	2.2	3	1.8	—	—	22	30	4.6	27	4.0	—	—
10	22	5.8	25	6.1	—	—	30					31								
12	29	6.5	27	6.3	—	—	00	9	3.7	11	3.1	—	—	00	16	4.2	24	3.6	—	—
14	14	5.2	23	6.2	—	—	02	9	3.9	11	4.1	—	—	02	14	3.6	20	4.4	—	—
16	10	5.1	14	5.3	—	—	04	11	3.4	16	3.5	—	—	04	12	3.5	20	4.2	—	—
18	13	5.4	18	5.4	—	—	06	14	4.5	19	4.1	—	—	06	13	3.9	21	4.2	—	—
20	15	5.3	21	5.3	—	—	08	18	4.4	26	3.9	—	—	08	11	3.8	12	3.9	—	—
22	10	5.4	14	5.3	—	—	10	29	4.1	23	3.1	—	—							

Tab. 3.1.2. Patricia, Oct., 1949.

Onahama																		
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		Date & Time	N~S		E~W		U~D	
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$
Oct. 27							Oct. 28					Oct. 29						
09h	4	2.5	—	—	—	—	08h	30	4.7	—	—	00h	26	6.3	—	—	—	—
12	10	2.1	—	—	—	—	10	36	6.7	—	—	02	21	6.5	—	—	—	—
15	13	2.3	—	—	—	—	12	39	7.0	—	—	04	16	6.4	—	—	—	—
18	8	2.4	—	—	—	—	14	45	6.8	—	—	06	14	6.0	—	—	—	—
21	16	2.3	—	—	—	—	16	45	6.9	—	—	09	8	5.6	—	—	—	—
28							18	43	7.0	—	—	12	8	5.3	—	—	—	—
00	15	2.5	—	—	—	—	20	39	7.1	—	—	15	8	5.5	—	—	—	—
03	11	3.6	—	—	—	—	22	29	6.3	—	—	18	8	5.2	—	—	—	—
06	18	3.8	—	—	—	—												

Maebashi																		
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		Date & Time	N~S		E~W		U~D	
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$
Oct. 27							Oct. 28					Oct. 29						
18h	1	3.6	2	3.6	—	—	13h	126	6.7	136	6.8	04h	13	6.0	18	6.0	—	—
20	1	3.7	2	3.9	—	—	14	86	6.6	94	6.8	05	10	5.5	14	6.0	—	—
22	1	3.5	3	3.9	—	—	15	88	6.6	144	6.3	06	9	5.7	12	6.0	—	—
							16	77	6.4	83	6.5	08	9	5.6	13	5.8	—	—
28							17	94	6.5	90	6.4	10	11	5.9	15	5.7	—	—
00	2	4.1	3	3.7	—	—	18	66	6.3	90	6.4	12	6	5.5	13	5.8	—	—
02	4	4.5	6	4.3	—	—	19	60	6.2	62	6.2	14	6	5.5	9	5.4	—	—
03	7	4.8	9	4.6	—	—	20	48	6.2	54	6.3	16	5	5.1	5	4.9	—	—
04	11	4.8	16	5.1	—	—	21	42	6.1	40	6.1	18	3	5.1	8	5.6	—	—
05	19	5.3	25	5.3	—	—	22	44	6.3	50	6.4	21	2	4.4	4	3.9	—	—
06	44	6.1	50	6.0	—	4.4	23	33	6.0	40	6.2	30						
07	51	6.0	51	5.8	—	4.3	29					00	1	4.1	4	4.0	—	—
08	46	5.9	79	6.2	—	—	00	26	5.8	38	6.4	03	2	3.9	3	3.9	—	—
09	124	6.7	92	6.6	—	4.8	01	14	5.5	36	6.1	06	2	4.0	5	4.1	—	—
10	96	6.4	142	6.8	—	5.3	02	14	5.9	27	5.9	12	4	4.3	5	4.1	—	—
11	115	6.8	100	6.3	—	5.3	03	12	5.6	16	5.5							
12	108	6.4	133	6.7	—	5.3												

Mito																			
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		Date & Time	N~S		E~W		U~D		
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ
Oct. 25							Oct. 28					Oct. 29							
21h	2	3.0	2	2.8	—	—	02h	6	1.9	11	2.2	18h	2	3.7	3	3.7	—	—	
26							04	7	2.8	11	3.2								
00	2	2.7	—	—	—	—	06	9	2.8	16	3.8	30							
03	2	2.9	—	—	—	—	08	10	3.7	14	2.9	00	—	—	2	2.3	—	—	
06	2	3.7	—	—	—	—	09	11	4.6	16	3.7	06	—	—	2	3.8	—	—	
27							29					12	3	3.7	7	3.9	—	—	
12	7	2.4	3	2.5	—	—	00	—	—	5	4.7	18	2	3.7	8	3.1	—	—	
18	8	2.6	3	2.3	3	2.0	02	5	5.6	7	5.5								
							06	7	5.4	7	5.1	31							
28												00	—	—	5	4.0	—	—	
00	4	2.0	9	2.3	6	2.3	12	6	5.5	2	3.2								

Tokyo																			
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		Date & Time	N~S		E~W		U~D		
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ
Oct. 27							Oct. 28					Oct. 28							
10h	3	2.7	2	2.2	3	2.8	02h	—	—	—	—	14h	274	6.9	370	7.0	73	6.6	
12	4	2.9	2	2.9	2	3.2	04	34	5.1	35	4.7	16	270	6.9	346	7.1	70	6.8	
14	4	2.8	3	2.9	3	2.9	06	86	5.9	110	5.9	18	237	6.9	253	6.7	55	6.7	
16	5	3.1	3	3.1	5	3.2	08	—	—	—	—	20	147	6.7	143	6.4	43	6.1	
18	6	3.9	5	3.0	8	3.0	09	—	—	—	—	22	77	6.0	125	6.0	27	5.5	
20	8	3.6	9	3.2	7	3.6	10	196	6.1	300	6.4	29							
22	6	3.3	7	3.8	9	2.8	11	—	—	—	—	00	54	5.9	78	6.3	24	5.3	
28											06	20	5.8	38	5.8	8	3.7		
00	—	—	—	—	—	—	12	252	6.8	350	7.3	12	31	5.9	23	5.7	12	4.1	

Tab., 3.1.2. Patricia, Oct., 1949.

Tokyo													
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D	
	A μ	T _{sec}	A μ	T _{sec}	A μ	T _{sec}		A μ	T _{sec}	A μ	T _{sec}	A μ	T _{sec}
Oct. 29 18h	14	4.4	10	4.4	—	—	Oct. 30 00h 06	10 15	3.1 3.4	7 12	3.2 3.3	8 —	2.9 —
							Oct. 30 12h 18	14 10	3.5 3.9	14 11	4.3 3.3	— —	— —
Tomisaki													
Oct. 27 00h	2	2.9	—	—	—	—	Oct. 27 20h	10	3.0	15	3.7	—	—
	06	5 2.4	7	2.6	—	—		22	18 3.4	21	3.4	—	—
	12	5 2.4	6	3.4	—	—	Oct. 28 00	24	3.6	26	3.4	—	—
	18	11 2.7	10	3.1	—	—							
							Oct. 28 02h	30	3.5	52	4.1	—	—
								03	59 4.0	—	—	—	—
								04	—	—	—	—	—
								05	94 4.3	96	4.5	—	—
Shizuoka													
Oct. 28 00h	1	2.8	1	2.9	—	—	Oct. 28 10h	20	6.0	32	6.7	—	—
	02	1 3.9	2	4.4	—	—		12	26 6.7	26	6.7	—	—
	04	8 4.8	4	4.5	—	—		14	27 7.0	21	6.5	—	—
	06	20 6.4	26	6.3	—	—		16	22 6.2	13	6.5	—	—
	08	29 6.4	21	5.8	—	—		18	16 6.0	3	4.8	—	—
							Oct. 28 20	11	6.3	—	—	—	—
								22	5 5.8	—	—	—	—
							Oct. 29 00	2	4.4	—	—	—	—
Shionomisaki													
Oct. 20 00h	10	3.6	0	3.0	—	—	Oct. 27 18	4	4.4	—	(1.9)	—	—
	06	14 3.8	0	2.9	—	—	Oct. 28 00	8	3.7	8	3.7	—	—
	12	6 2.9	2	2.6	—	—		05	22 5.4	34	6.4	—	—
	18	8 2.4	6	2.9	—	—		06	20 6.1	24	5.8	—	—
	25 12	4 2.4	2	2.5	—	—		08	24 6.6	38	6.5	—	—
	18	2 2.5	—	—	—	—		09	24 6.1	26	5.8	—	—
							Oct. 28 11h	16	6.5	10	(4.9?)	—	—
								12	12 6.2	10	5.8	—	—
								13	12 7.1	8	(7.4)	—	—
								14	12 7.0	2	(6.0?)	—	—
								15	6 6.8	—	—	—	—
Kochi													
Oct. 27 12h	4	3.6	2	4.0	—	—	Oct. 28 03h	12	6.1	—	—	—	—
	18	6 4.6	2	3.5	—	—		04	20 6.2	6	5.6	—	—
	28 00	6 4.4	4	4.5	—	—		05	22 7.0	—	—	—	—
	02	8 5.9	2	3.8	—	—		06	26 6.9	8	6.8	—	—
								07	32 7.3	—	—	—	—
							Oct. 28 08h	20	7.0	8	5.7	—	—
								09	22 7.0	16	6.8	—	—
								10	22 7.2	10	6.2	—	—
								12	12 6.4	16	6.8	—	—
								14	8 6.5	16	7.0	—	—
Fukuoka													
Oct. 27 00h	—	2.4	—	—	—	—	Oct. 28 00h	5	3.1	5	3.2	—	3.8
	06	— 2.4	—	2.7	—	—		02	4 3.4	4	3.5	—	—
	12	4 2.9	2	2.6	—	—		04	4 2.9	4	3.2	—	—
	18	4 2.9	3	3.4	—	—		06	3 2.4	3	3.0	—	3.2
	20	5 3.8	4	3.7	—	—		08	5 3.1	3	3.0	—	—
	22	4 2.9	4	3.7	—	—		10	4 2.9	4	3.3	—	—
							Oct. 28 12h	4	2.9	3	3.0	—	—
								14	3 2.9	2	3.6	—	—
								16	3 2.8	3	3.5	—	—
								18	2 2.5	2	2.9	—	—
							Oct. 29 00	1	2.8	1	3.2	—	—
Miyazaki													
Oct. 27 12h	8	2.4	6	2.5	4	2.0	Oct. 28 06h	8	5.2	10	5.7	—	—
	18	7 3.3	10	3.8	—	—		08	8 4.5	10	5.0	—	—
	28 00	7 4.0	10	4.4	—	—		10	13 5.7	14	5.7	—	—
	04	7 3.9	8	4.3	—	—		12	4 4.5	4	3.7	—	—
							Oct. 28 18h	4	2.7	3	2.8	—	—
							Oct. 29 00	2	2.0	2	2.6	—	—
								06	—	—	—	—	—

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Akita																					
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ
Nov. 23							Nov. 24							Nov. 25							
08h	3	2.8	5	3.1	—	—	08h	9	5.1	20	5.8	—	—	06h	11	5.5	20	6.0	—	—	
10	6	3.2	4	3.1	—	—	10	9	5.5	20	6.4	—	—	08	11	6.1	18	6.0	—	—	
12	7	3.6	5	2.9	—	—	12	9	5.1	23	6.2	—	—	10	7	6.0	20	6.0	—	—	
14	7	3.3	4	3.5	—	—	14	9	5.6	25	6.5	—	—	12	9	6.1	10	5.6	—	—	
16	5	3.6	8	3.8	—	—	16	9	6.0	14	5.5	—	—	14	7	6.1	15	5.9	—	—	
18	4	3.6	8	3.8	—	—	18	5	5.1	13	5.1	—	—	16	4	6.1	15	6.0	—	—	
20	5	4.1	6	3.7	—	—	20	14	5.7	18	6.3	—	—	18	3	5.3	8	5.3	—	—	
22	5	4.0	7	3.8	—	—	22	12	5.1	22	6.0	—	—	20	3	5.1	8	5.5	—	—	
24							25							22	3	5.1	5	5.1	—	—	
00	7	3.8	8	4.0	—	—	00	9	5.3	22	6.0	—	—	26							
02	6	3.9	9	3.9	—	—	02	9	5.1	25	6.1	—	—	00	1	5.3	5	5.3	—	—	
04	5	3.8	7	4.0	—	—	04	9	5.6	16	5.5	—	—								
06	11	5.1	18	5.4	—	—															

Maebashi

Nov. 20				Nov. 21				Nov. 23												
05h	16	5.8	5	4.0	0	—	16h	—	—	11	5.6	0	—	02h	0	0	0	0	0	—
06	13	6.2	6	4.5	0	—	17	8	4.8	12	5.8	0	—	03	0	0	0	0	0	—
07	9	5.2	5	4.6	0	—	18	—	—	11	5.6	0	—	04	0	0	0	0	0	—
08	7	5.0	7	5.1	0	—	19	—	—	7	4.5	0	—	05	0	0	0	0	0	—
09	7	5.1	7	4.8	0	—	20	—	—	9	5.3	0	—	06	0	0	0	0	0	—
10	6	4.2	8	5.4	0	—	21	—	—	16	6.1	0	—	07	0	0	0	0	0	—
11	7	5.1	6	4.8	5	3.9	22	—	—	15	6.3	0	—	08	0	0	0	0	0	—
12	6	4.9	5	4.3	5	3.9	23	—	—	6	4.5	0	—	09	0	0	0	0	0	—
13	5	4.7	7	5.0	3	3.9	22							10	0	0	0	0	0	—
14	8	5.1	8	5.0	3	3.7	00	—	—	8	4.6	0	—	11	0	0	0	0	0	—
15	11	5.7	11	5.7	3	3.7	01	—	—	10	5.7	0	—	12	0	0	0	0	0	—
16	11	5.5	12	5.8	0	—	02	—	—	13	5.6	0	—	13	0	0	0	0	0	—
17	—	—	7	4.0	0	—	03	—	—	7	4.8	0	—	14	0	0	0	0	0	—
18	—	—	7	4.7	0	—	04	—	—	7	4.6	0	—	15	0	0	0	0	0	—
19	—	—	6	4.6	0	—	05	12	6.1	16	6.1	0	—	16	0	0	0	0	0	—
20	—	—	7	4.7	0	—	06	12	5.9	8	5.4	0	—	17	0	0	0	0	0	—
21	—	—	8	5.1	0	—	07	13	6.5	8	5.0	0	—	18	5	4.9	0	0	—	—
22	—	—	8	4.8	0	—	08	13	6.3	7	5.0	0	—	19	5	4.7	0	0	—	—
23	—	—	5	4.6	0	—	09	16	6.7	8	5.7	0	—	20	6	5.0	0	0	—	—
21							10	12	6.0	8	5.3	0	—	21	9	5.2	0	0	—	—
00	—	—	9	4.9	0	—	11	15	6.3	16	6.1	0	—	22	7	5.2	0	0	—	—
01	—	—	5	4.4	0	—	12	12	6.0	6	5.2	0	—	23	8	4.9	0	0	—	—
02	—	—	10	5.2	0	—	13	10	6.0	9	5.3	0	—	24						
03	—	—	6	4.7	0	—	14	10	6.2	9	5.5	0	—	00	9	5.0	4	5.3	—	—
04	—	—	11	5.3	0	—	15	7	6.0	11	5.1	0	—	01	11	5.4	8	5.3	—	—
05	—	—	—	—	0	—	16	10	5.9	13	5.9	0	—	02	17	5.4	15	6.0	—	—
06	4	4.4	9	5.5	0	—	17	10	6.0	11	6.0	0	—	03	23	5.9	17	6.4	—	—
07	4	3.8	5	4.6	0	—	18	8	5.5	11	5.8	0	—	04	33	6.2	30	6.4	—	—
08	4	4.2	7	5.1	0	—	19	8	5.9	5	4.5	0	—	05	48	6.2	30	6.3	—	—
09	5	4.4	12	5.8	0	—	20	6	6.2	0	0	0	—	06	0	0	0	0	—	—
10	9	5.2	5	4.4	0	—	21	3	5.2	0	0	0	—	07	0	0	0	0	—	—
11	9	5.7	8	4.8	0	—	22	0	0.0	0	0	0	—	08	0	0	0	0	—	—
12	—	—	11	5.1	0	—	23	0	0.0	0	0	0	—	09	80	6.9	76	7.0	—	—
13	—	—	6	4.1	0	—	23							10	79	6.8	78	7.1	—	—
14	—	—	8	5.0	0	—	00	0	0	0	0	0	—	11	71	6.3	64	6.8	—	—
15	—	—	6	4.6	0	—	01	0	0	0	0	0	—	12	59	6.6	64	6.8	—	—

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Maebashi																					
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		
	A μ	T _{sec}	A μ	T _{sec}	A μ	T _{sec}		A μ	T _{sec}	A μ	T _{sec}	A μ	T _{sec}		A μ	T _{sec}	A μ	T _{sec}	A μ	T _{sec}	A μ
Nov. 24							Nov. 25						Nov. 25								
13h	95	7.0	57	6.6	—	—	03h	33	6.7	—	—	0	—	18h	13	6.2	8	6.1	0	—	—
14	71	7.1	41	6.8	—	—	04	36	6.6	—	—	0	—	19	—	—	7	5.8	0	—	—
15	63	7.1	41	6.6	—	—	05	24	6.4	—	—	0	—	20	—	—	6	5.9	0	—	—
16	64	6.9	40	6.7	—	—	06	24	6.8	29	6.3	0	—	21	—	—	7	6.2	0	—	—
17	67	6.8	46	6.5	—	—	07	19	6.7	24	6.6	0	—	22	—	—	6	5.9	0	—	—
18	55	6.6	42	6.5	—	—	08	—	—	21	6.5	0	—	23	—	—	5	5.5	0	—	—
19	43	6.6	—	—	—	—	09	18	6.0	—	—	0	—	26	—	—	—	—	—	—	—
20	47	6.4	—	—	—	—	10	13	5.5	14	6.4	0	—	00	—	—	2	5.1	0	—	—
21	38	6.3	—	—	—	—	11	22	5.9	13	6.3	0	—	06	—	—	3	5.4	0	—	—
22	38	6.4	—	—	—	—	12	20	6.0	13	6.2	0	—	12'	2	4.8	1	4.2	0	—	—
23	36	6.4	—	—	—	—	13	18	6.1	13	6.2	0	—	18	1	3.5	1	3.3	0	—	—
25							14	18	6.1	15	6.6	0	—	27							
00	44	6.7	—	—	—	—	15	17	6.0	11	6.4	0	—	00	2	3.4	1	3.3	0	—	—
01	31	6.2	—	—	—	—	16	—	—	10	6.0	0	—	06	1	3.5	1	3.1	0	—	—
02	35	6.7	—	—	0	—	17	—	—	10	6.1	0	—	12	1	3.3	1	3.2	0	—	—

Mito

Nov. 22					Nov. 23					Nov. 24											
00h	8	2.5	7	2.9	4	2.2	22h	—	—	—	—	—	—	—	—						
06	9	3.3	10	2.7	—	—	24	—	—	—	—	—	—	—	—						
08	—	—	—	—	—	—	00	—	—	—	—	—	—	—	—						
10	—	—	—	—	—	—	02	—	—	—	—	—	—	—	—						
23							04	—	—	—	—	—	—	—	—						
00	—	—	—	—	—	—	06	—	—	—	—	—	—	—	—						
02	—	—	—	—	—	—	08	—	—	—	—	—	—	—	—						
04	—	—	—	—	—	—	10	36	5.9	37	6.0	—	—	00	16	5.8	29	6.3	3	2.0	
06	—	—	—	—	—	—	11	38	6.0	40	5.4	—	—	02	12	6.1	24	6.5	1	1.8	
08	—	—	—	—	—	—	12	51	6.5	20	5.1	—	—	04	13	5.5	15	6.1	—	—	
10	10	3.9	8	3.4	3	2.0	13	32	6.3	38	6.3	—	—	06	13	5.8	17	6.2	—	—	
12	8	4.0	9	3.9	3	2.0	14	40	6.2	30	5.4	—	—	08	9	5.8	13	5.5	—	—	
14	10	3.8	8	4.0	2	2.0	15	36	5.8	34	5.5	—	—	26	00	4	6.0	10	4.7	1	2.0
16	10	4.5	8	3.9	2	2.0	16	39	6.2	23	5.3	—	—	06	—	—	—	—	1	2.0	
18	6	4.0	8	4.1	3	2.0	17	29	5.9	26	5.7	—	—	27	12	2	4.0	3	4.0	—	—
20	7	3.8	6	3.9	2	2.0	18	23	5.9	18	4.9	—	—	18	2	4.0	5	4.0	—	—	

Tokyo (N~S, E~W; Mainka, U~D; Wiechert)

Nov. 19					Nov. 22					Nov. 24										
00h	8	4.0	—	—	4	3.6	00h	36	5.7	48	5.1	15	3.0	08h	222	7.1	335	7.4	31	5.2
06	8	3.8	—	—	3	3.3	06	27	6.3	49	5.9	13	2.7	10	346	7.5	460	7.7	36	6.4
12	10	5.7	—	—	2	3.0	12	—	—	—	—	10	4.2	12	217	7.5	323	7.4	28	6.0
18	8	4.6	—	—	5	2.7	18	—	—	—	—	10	2.9	14	261	7.2	280	7.3	38	5.8
20					23					25										
00	15	4.5	19	3.2	7	3.1	00	18	6.1	37	5.5	7	2.7	16	173	6.8	260	7.2	24	5.0
06	15	4.8	29	4.5	—	—	06	18	5.0	32	5.0	10	3.3	18	171	6.9	230	7.4	31	6.1
12	19	6.3	57	4.7	16	3.7	12	26	4.1	31	4.5	16	3.8	20	148	7.4	220	6.9	17	4.5
18	36	5.7	48	4.9	9	3.8	18	24	4.6	38	4.8	15	3.9	22	158	7.1	185	7.1	23	5.3
21					24					26										
00	28	4.9	51	6.4	12	2.8	00	31	5.7	60	5.8	13	3.2	00	127	7.1	160	7.2	20	4.8
06	28	5.2	45	5.4	10	2.6	02	47	6.7	92	6.9	21	4.9	02	97	7.3	120	7.2	—	—
12	43	6.5	60	4.9	10	2.8	04	102	6.3	170	6.9	23	5.3	04	92	7.0	160	7.2	—	—
18	30	5.9	67	6.1	—	—	06	118	7.2	192	7.3	27	5.4	06	103	7.0	110	7.1	9	5.8

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Tokyo (N~S, E~W; Mainka, U~D; Wiechert)																						
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D			
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$
Nov. 25							Nov. 25					Nov. 26										
08h	100	6.7	100	6.9	18	4.6	20h	48	6.2	68	5.6	8	4.6	18h	18	3.0	34	3.2	3	2.4		
10	82	6.8	100	6.7	13	4.8	22	46	6.4	47	5.7	10	4.4	27								
12	83	7.1	100	6.5	10	5.6	26					00	20	3.6	50	3.3	18	3.6				
14	74	7.0	73	6.8	19	4.7	00	22	6.0	41	5.8	8	4.6	06	14	3.7	27	3.2	7	3.3		
16	61	7.0	80	6.4	10	4.3	06	20	5.7	42	5.8	8	4.0	12	10	4.1	23	3.6	7	3.5		
18	60	6.9	64	6.1	12	4.2	12	17	5.3	20	5.4	5	2.9	18	—	—	—	—	—	—		

Tokyo (Wiechert)

Tokyo (Wiechert)																						
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D			
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$
Nov. 24							Nov. 24					Nov. 25										
09h	283	7.1	255	6.9	—	—	18h	148	6.4	107	6.6	—	—	06h	67	6.5	34	6.2	—	—		
10	235	7.0	235	7.1	—	—	20	132	6.7	105	6.6	—	—	08	59	6.9	32	6.3	—	—		
11	243	7.0	235	7.1	—	—	22	163	6.9	73	6.8	—	—	10	37	7.3	55	6.8	—	—		
12	200	7.1	205	7.0	—	—	25					12	62	6.4	44	6.3	—	—				
13	155	6.8	246	7.6	—	—	00	94	6.2	96	6.8	—	—	14	54	6.7	25	6.5	—	—		
14	220	7.0	145	6.8	—	—	02	85	6.2	74	6.9	—	—	16	28	6.3	21	6.2	—	—		
16	140	6.3	130	6.7	—	—	04	102	6.8	98	6.8	—	—	18	32	6.3	13	6.1	—	—		

Tomisaki

Tomisaki																						
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D			
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$
Nov. 22							Nov. 24					Nov. 25										
06h	12	5.5	21	4.6	5	2.3	02h	21	5.4	46	5.3	—	—	02h	28	5.8	58	5.9	—	—		
08	12	5.3	—	—	5	2.6	03	27	5.8	48	5.5	—	—	04	27	6.0	63	6.0	—	—		
10	11	5.2	—	—	5	2.6	04	41	5.6	87	5.9	—	—	06	27	6.4	52	6.3	—	—		
12	11	4.4	—	—	5	2.5	05	72	6.0	110	6.0	—	—	08	21	6.3	47	6.4	—	—		
14	8	4.6	—	—	5	2.6	06	144	6.5	205	6.3	—	—	10	19	5.7	—	—	—	—		
16	10	4.9	22	4.5	8	2.8	07	74	5.5	195	6.3	—	—	12	16	5.6	—	—	—	—		
18	15	3.7	12	3.5	—	—	08	132	6.5	202	6.5	—	—	14	13	5.7	35	5.6	—	—		
20	8	3.3	14	4.1	—	—	09	—	—	—	—	—	—	16	15	5.6	27	5.6	—	—		
22	6	3.4	16	4.0	—	—	10	154	6.4	253	6.6	—	—	18	12	5.4	22	5.4	—	—		
23							11	152	6.7	—	—	—	—	20	12	5.6	22	5.4	—	—		
00	8	4.6	18	5.0	—	—	12	127	6.4	—	—	—	—	22	9	5.3	24	5.5	—	—		
02	7	4.4	16	4.4	—	—	13	—	—	—	—	—	—	26								
04	5	3.8	15	5.0	—	—	14	—	—	—	—	—	—	00	8	5.6	17	5.3	—	—		
06	7	4.3	12	4.9	—	—	15	89	6.5	138	6.8	—	—	02	7	5.2	13	5.0	—	—		
08	7	4.6	13	4.7	—	—	16	79	6.3	106	6.0	—	—	04	7	5.0	10	4.9	—	—		
10	6	4.4	12	4.6	—	—	17	77	6.2	102	6.5	—	—	06	4	4.7	11	4.9	—	—		
12	6	4.3	12	4.5	—	—	18	62	6.3	139	6.6	—	—	10	5	2.4	7	4.2	—	—		
14	6	3.9	9	4.5	—	—	19	63	6.7	95	6.6	—	—	14	4	2.6	5	3.6	—	—		
16	8	4.6	15	4.7	—	—	20	30	6.2	90	6.5	—	—	18	4	2.9	7	3.8	—	—		
18	6	4.2	12	4.2	—	—	21	42	6.3	95	6.6	—	—	27								
20	8	4.5	19	4.7	—	—	22	47	6.2	81	6.5	—	—	00	7	2.9	8	3.2	—	—		
22	12	5.2	22	4.8	—	—	23	46	6.3	61	6.2	—	—	06	6	2.9	6	3.3	—	—		
24							25					12	5	3.3	—	—	—	—	—	—		
00	16	5.2	29	4.9	—	—	00	44	6.4	83	6.5	—	—	18	5	3.0	7	3.5	—	—		
												28										
												00	5	2.4	5	3.1	—	—	—	—		

Shizuoka

Shizuoka																						
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D			
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$
Nov. 23							Nov. 24					Nov. 24										
12h	—	—	—	—	—	—	04h	9	6.9	9	6.7	—	—	18h	—	—	5	6.4	—	—		
18	—	—	—	—	—	—	06	21	6.8	20	7.0	—	—	25								
24							08	24	7.3	20	7.4	—	—	00	6	6.4	5	6.6	—	—		
00	2	6.0	1	5.7	—	—	10	29	7.1	20	7.2	—	—	06	2	5.7	1	5.5	—	—		
02	3	5.7	1	5.7	—	—	12	—	—	14	6.9	—	—									

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Nagano

Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ
Nov. 24							Nov. 24							Nov. 24							
01h	6	4.0	21	4.6	—	—	05h	12	4.9	22	5.5	—	—	09h	15	5.4	37	6.6	—	—	
02	6	3.9	14	4.9	—	—	06	17	5.2	20	5.3	—	—	10	28	5.6	19	5.1	—	—	
03	5	4.2	22	5.1	—	—	07	17	4.8	32	5.6	—	—	11	25	5.7	21	6.5	—	—	
04	19	5.1	17	4.9	—	—	08	19	5.1	35	5.9	—	—	12	—	—	—	—	—	—	

Omaezaki

Nov. 23							Nov. 24						Nov. 24							
00h	14	6.5	—	8.6	—	—	02h	37	6.4	—	8.8	—	—	14h	68	7.1	82	7.1	—	—
06	14	6.3	—	8.9	—	—	04	80	7.2	—	8.9	—	—	16	63	6.8	33	7.0	—	—
12	14	—	—	6.3	—	—	06	104	6.7	—	9.6	—	—	18	48	6.4	22	6.5	—	—
18	10	4.9	—	6.7	—	—	08	116	6.9	—	10.8	—	—	25						
24							10	158	7.0	—	—	—	—	00	22	6.5	—	—	—	—
00	17	6.0	—	8.9	—	—	12	132	6.8	112	7.0	—	—	06	—	—	—	—	—	—
													12	17	6.6	—	—	—	—	—

Osaka

Nov. 22							Nov. 24						Nov. 24							
22h	26	5.1	24	5.6	5	2.3	00h	56	4.5	49	4.6	8	2.9	18h	46	5.2	43	5.0	8	3.6
23							02	65	4.8	63	5.0	7	3.5	20	40	4.9	35	4.6	4	3.3
00	18	4.6	17	5.2	2	2.2	04	88	5.4	64	5.0	8	3.9	22	46	4.5	26	4.6	7	2.4
06	21	4.7	21	4.6	3	2.9	06	92	5.2	62	4.7	8	3.6	25						
12	36	4.4	36	4.3	6	3.9	08	105	5.4	82	5.7	10	3.5	00	22	4.8	23	4.4	3	2.9
14	51	4.3	36	4.2	6	3.6	10	98	5.8	76	5.6	11	3.6	02	22	4.6	19	4.6	5	2.9
16	47	4.5	44	4.4	9	3.1	12	76	5.0	51	4.7	12	4.3	04	25	4.9	17	4.3	—	—
18	58	4.7	42	4.5	8	3.3	14	70	4.9	49	4.6	8	3.6	06	22	5.1	12	4.4	3	2.5
20	50	4.4	47	4.5	8	3.7	16	56	5.0	42	5.5	9	3.5	08	19	4.6	16	4.8	4	2.6
22	45	4.4	40	4.5	8	3.2														

Shionomisaki

Nov. 20							Nov. 23						Nov. 24							
00h	10	3.2	6	2.2	—	—	16h	12	3.9	8	3.2	—	—	04h	100	6.9	92	7.1	—	—
21							18	12	3.8	8	3.8	—	—	05	76	6.9	100	6.9	—	—
06	10	3.1	6	2.3	—	—	20	10	3.9	12	3.8	—	—	06	68	6.4	96	7.4	—	—
22							22	16	4.1	12	3.8	—	—	07	120	7.5	124	7.2	—	—
12	10	3.8	6	3.7	—	—	24							08	120	7.5	100	7.9	—	—
18	12	4.9	8	4.8	—	—	00	20	4.3	14	4.3	—	—	09	118	7.2	148	7.4	—	—
23							02	24	4.3	34	5.5	—	—	10	—	—	—	—	—	—
12	6	3.8	6	3.5	—	—	03	24	4.6	30	4.5	—	—	11	—	—	—	—	—	—

Fukuoka

Nov. 22							Nov. 23						Nov. 24							
12h	—	2.2	—	—	—	—	14h	2	2.6	4	3.9	1	3.4	04h	1	2.6	2	2.6	—	—
18	1	2.3	1	2.9	—	—	16	3	2.7	3	3.1	1	3.0	06	2	2.1	2	2.6	—	—
23							18	2	2.2	2	2.9	2	2.6	12	1	2.3	2	2.1	—	—
00	1	2.5	1	2.5	—	—	20	3	2.9	3	2.9	—	—	18	1	2.3	1	2.8	—	—
06	2	2.7	2	3.5	—	—	22	3	2.5	3	2.6	—	—	25						
08	3	2.7	3	3.3	2	3.9	24							00	1	2.1	1	2.4	—	—
10	3	3.0	2	3.5	2	2.5	00	2	2.3	3	2.5	2	2.6	06	1	2.1	1	2.3	—	—
12	2	3.3	3	3.8	1	2.6	02	2	2.4	2	2.5	—	—							

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Miyazaki																					
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ
Nov. 20							Nov. 23							Nov. 24							
18h	4	2.8	0	1.8	0	—	00h	14	5.4	7	3.4	0	—	06h	13	5.0	26	6.8	5	5.2	
21							06	7	3.7	6	3.4	0	—	08	22	5.9	17	5.7	—	—	
00	6	2.9	3	3.0	1	—	12	7	3.8	6	4.4	2	2.7	10	16	5.5	20	6.4	14	6.0	
06	6	3.0	5	2.9	3	1.7	16	6	3.9	8	3.9	—	—	12	14	5.3	11	4.9	—	—	
12	8	2.7	9	4.7	—	—	18	7	4.1	9	4.7	2	3.3	18	6	4.1	9	4.8	2	2.6	
18	7	4.0	9	2.7	4	2.2	20	11	4.4	9	4.2	—	—	25							
22							22	8	4.5	10	4.3	—	—	00	4	2.8	3	3.1	—	—	
00	9	2.7	7	3.1	4	1.8	24						06	2	3.1	2	2.7	—	—		
06	9	2.7	7	3.7	3	1.5	00	12	5.1	8	4.6	4	4.1	12	3	2.7	2	2.5	—	—	
12	7	2.3	7	2.8	4	2.2	02	17	5.7	20	6.0	—	—	18	1	1.8	2	2.1	—	—	
18	7	2.3	8	4.1	4	2.3	04	13	4.8	22	6.5	—	—								

Osaka

23, 20h			23, 20h			23, 21h															
00m	37	5.0	29	5.1	7	2.9	36m	46	5.0	34	3.9	6	2.8	12m	87	5.1	49	4.4	5	2.6	
01	38	4.7	26	4.4	7	4.2	37	33	4.8	39	4.7	8	4.6	13	40	4.9	34	4.4	7	2.8	
02	43	5.0	34	4.6	6	2.4	38	40	4.8	31	4.7	10	4.6	14	60	4.4	45	4.2	6	2.7	
03	32	4.1	53	4.6	8	2.6	39	30	5.4	40	4.2	10	4.7	15	32	4.2	30	4.2	6	1.7	
04	60	5.0	21	4.4	7	2.9	40	35	4.5	29	4.0	10	3.2	16	43	4.9	35	4.9	8	3.2	
05	69	5.2	21	4.6	7	2.7	41	48	4.5	46	4.9	8	4.4	17	40	4.4	59	4.2	7	4.1	
06	54	4.8	28	3.7	7	4.2	42	65	4.5	23	4.7	10	3.5	18	45	4.0	20	4.2	8	2.9	
07	61	5.0	30	4.8	7	2.6	43	61	4.7	32	4.0	6	2.9	19	39	4.6	19	3.7	4	3.2	
08	48	4.3	44	4.6	6	2.9	44	43	4.5	34	4.2	8	3.4	20	46	4.0	33	4.2	6	3.7	
09	59	4.5	37	5.1	9	4.1	45	46	4.8	41	5.2	6	3.2	21	37	4.7	22	4.4	6	1.7	
10	42	4.8	34	4.9	8	4.4	46	—	—	—	—	6	3.0	22	36	4.7	36	4.7	6	3.8	
11	38	4.3	44	4.4	10	3.2	47	35	4.7	44	4.4	—	—	23	21	4.7	25	3.8	8	3.1	
12	41	4.6	20	5.1	9	2.7	48	35	5.3	34	4.9	9	3.8	24	22	4.7	23	4.2	7	2.4	
13	45	5.6	35	5.1	7	3.7	49	42	4.7	42	4.0	10	4.3	25	26	3.8	35	4.7	7	1.9	
14	51	5.0	38	4.2	9	3.9	50	42	4.9	44	4.4	9	3.1	26	54	4.4	21	4.6	7	3.1	
15	34	4.8	21	4.6	8	3.2	51	49	4.4	35	4.4	11	4.4	27	48	4.0	40	4.4	8	2.7	
16	46	4.8	27	5.1	8	4.2	52	40	4.4	34	4.9	—	—	28	35	4.0	32	4.4	5	2.4	
17	55	4.8	32	4.2	9	3.8	53	40	4.4	38	3.8	6	2.9	29	39	4.7	34	4.4	5	2.7	
18	29	3.9	43	4.8	7	4.6	54	46	4.9	40	3.8	7	3.8	30	43	4.9	29	3.8	5	3.0	
19	49	4.3	48	4.8	8	3.4	55	25	4.9	21	4.4	6	2.8	31	18	4.9	45	4.4	7	3.8	
20	32	4.4	30	4.9	8	4.1	56	43	4.9	43	4.9	7	3.4	32	47	4.9	69	4.8	6	3.2	
21	40	4.8	38	4.4	10	4.6	57	41	4.7	26	4.9	7	2.6	33	63	4.9	43	4.8	7	4.0	
22	53	4.3	19	4.4	11	3.5	58	74	4.2	43	4.7	10	4.2	34	49	5.3	30	3.9	8	3.8	
23	46	4.4	48	4.6	11	4.6	59	67	4.9	35	4.0	8	3.0	35	57	4.4	64	4.6	7	2.8	
24	30	4.5	41	4.9	9	3.4	21	00	54	4.7	41	4.4	6	2.5	36	37	4.4	39	4.2	7	3.8
25	46	4.8	32	4.6	8	3.1	01	70	4.4	53	4.4	9	3.0	37	58	5.1	43	4.2	8	3.8	
26	54	4.8	25	4.2	8	3.6	02	75	5.1	39	4.4	5	2.9	38	63	5.1	31	3.9	9	4.0	
27	39	4.8	26	5.3	10	3.9	03	23	4.7	37	4.0	6	3.6	39	44	4.9	30	4.4	5	3.0	
28	59	5.4	28	4.4	9	3.2	04	31	4.4	33	4.9	5	3.2	40	40	4.2	35	4.2	5	2.5	
29	47	4.1	45	4.6	7	3.6	05	71	4.4	57	5.0	7	2.7	41	25	4.4	33	4.6	8	2.7	
30	45	5.0	45	4.9	7	3.8	06	28	3.8	27	4.2	8	3.8	42	44	4.2	29	3.9	7	3.2	
31	43	4.1	45	4.6	7	3.9	07	43	4.2	35	4.4	4	3.1	43	38	4.0	27	4.4	7	2.8	
32	43	5.0	37	4.9	9	3.2	08	56	4.7	39	4.2	7	2.6	44	46	4.7	43	4.4	5	2.7	
33	63	5.0	45	5.1	7	3.1	09	44	4.7	32	4.4	9	2.6	45	49	4.9	36	4.6	8	2.8	
34	47	5.2	22	4.4	7	3.9	10	42	4.4	39	4.0	8	3.6	46	38	4.2	32	4.4	6	2.7	
35	38	4.7	36	4.8	7	3.9	11	57	4.7	35	4.4	7	2.6	47	36	4.4	33	4.6	7	3.8	

Tab. 3.1.3. Allyn, Nov., 1949.

Osaka																						
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D			
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$
23, 21h							23, 22h							23, 23h								
48m	18	4.4	31	4.2	5	3.0	38m	42	5.0	40	4.8	5	2.8	28m	34	5.0	40	4.6	6	3.2		
49	34	4.4	40	4.4	4	1.7	39	29	5.0	35	5.0	6	2.8	29	41	5.5	53	4.6	6	2.4		
50	63	1.9	23	3.7	3	3.0	40	34	5.0	21	3.9	7	7.4	30	45	4.1	34	4.8	7	3.6		
51	55	5.1	32	3.9	5	3.8	41	60	4.8	29	4.8	6	3.2	31	38	5.0	41	3.9	7	2.4		
52	46	4.7	50	4.4	6	3.2	42	39	4.5	39	4.6	6	4.1	32	41	5.0	43	4.4	7	2.8		
53	33	4.7	24	5.2	7	3.8	43	75	5.2	32	4.2	7	4.7	33	52	5.0	33	4.4	8	3.9		
54	58	4.4	23	3.5	7	3.8	44	52	4.8	35	4.8	5	2.8	34	75	4.6	44	4.6	5	2.6		
55	21	4.2	24	4.6	7	3.6	45	55	4.8	56	4.8	7	2.4	35	46	5.0	55	4.4	—	—		
56	37	4.2	27	4.4	7	3.6	46	54	4.5	74	4.6	8	2.6	36	35	4.6	43	4.4	3	3.2		
57	45	4.7	37	3.9	8	4.2	47	44	5.0	56	4.4	8	2.8	73	46	4.8	62	4.4	4	3.0		
58	43	4.4	23	3.9	9	3.8	48	33	5.0	40	4.8	6	2.8	38	36	4.4	35	4.4	5	2.8		
59	33	4.4	33	4.4	11	3.2	49	36	5.2	24	4.8	6	2.1	39	60	4.4	43	4.4	7	2.6		
22							50	36	5.2	17	4.6	6	3.9	40	65	4.6	39	5.0	5	3.0		
00	46	4.4	23	4.4	8	3.0	51	52	4.3	36	4.8	6	3.6	41	32	3.9	39	5.2	6	2.6		
01	42	4.4	33	4.4	6	3.8	52	36	5.0	35	3.9	3	2.1	42	40	4.4	44	4.6	5	3.4		
02	43	4.0	30	4.2	11	3.0	53	67	5.0	35	4.6	5	2.4	43	63	5.0	37	4.4	5	2.4		
03	23	4.2	47	4.4	5	2.8	54	32	4.5	46	5.0	3	3.0	44	60	5.2	32	4.6	5	3.2		
04	24	5.1	35	4.4	7	3.8	55	45	5.0	32	4.6	7	3.0	45	66	5.5	47	4.4	5	2.4		
05	57	4.4	55	4.6	9	3.8	56	45	5.0	39	4.4	7	3.9	46	59	5.2	57	4.8	7	3.0		
06	30	4.4	29	4.4	7	4.0	57	34	5.0	44	4.8	6	2.2	47	45	5.0	32	3.9	3	3.8		
07	49	4.9	54	4.6	6	2.4	58	48	4.8	31	4.8	8	3.0	48	39	4.4	34	5.0	6	2.4		
08	38	4.4	28	3.9	5	3.8	59	32	4.3	42	4.6	7	3.6	49	59	5.0	37	4.6	7	3.6		
09	49	4.9	37	4.4	5	3.8	23						50	46	5.0	35	4.4	3	2.8			
10	38	4.7	22	4.4	7	3.4	00	71	4.5	33	3.9	6	1.9	51	51	4.6	45	4.8	6	3.8		
11	61	5.3	42	3.8	7	3.4	01	53	4.4	52	4.1	10	3.5	52	45	5.2	26	5.0	7	2.8		
12	53	4.8	31	5.0	6	2.6	02	36	4.8	32	4.6	8	4.5	53	47	4.4	47	4.4	3	2.6		
13	45	5.0	33	5.0	5	2.4	03	35	3.9	22	3.9	6	3.4	54	63	5.0	43	4.1	5	2.4		
14	31	5.0	34	4.8	6	2.6	04	32	3.7	35	4.8	5	4.1	55	39	4.8	34	4.4	6	2.8		
15	31	5.0	37	4.6	4	2.2	05	38	4.4	20	4.8	5	4.1	56	60	4.4	52	4.8	8	2.8		
16	34	5.2	47	5.0	7	2.0	06	32	3.9	35	4.1	6	3.0	57	70	5.5	40	4.4	6	2.8		
17	51	4.5	30	3.9	8	1.9	07	29	4.4	43	4.6	7	2.8	58	36	5.0	37	4.6	5	2.8		
18	37	5.2	32	4.4	5	1.9	08	60	5.0	43	4.6	5	3.0	59	60	4.6	43	4.4	3	2.3		
19	63	4.5	49	4.8	6	2.2	09	69	4.8	44	4.6	7	3.8	24, 00								
20	34	5.4	37	4.4	11	3.0	10	36	5.0	42	4.4	6	3.0	00	45	4.1	43	4.4	3	2.3		
21	46	5.0	31	4.8	6	3.4	11	41	4.8	28	4.1	7	2.8	01	38	4.6	34	4.8	8	2.8		
22	54	4.8	44	4.8	7	3.8	12	27	4.4	35	4.4	3	2.6	02	45	4.4	27	4.4	9	2.8		
23	44	4.8	24	4.4	6	2.4	13	37	4.4	45	4.4	6	3.4	03	37	4.4	53	4.6	5	3.9		
24	33	5.4	31	4.6	6	2.1	14	52	5.0	32	4.4	6	2.8	04	57	4.4	34	5.0	8	2.6		
25	48	4.5	28	4.1	8	3.7	15	65	4.6	32	4.4	6	3.2	05	38	4.4	43	5.0	5	3.8		
26	45	4.8	40	4.8	6	2.6	16	40	5.0	40	4.4	7	3.2	06	36	4.4	43	4.8	3	3.0		
27	65	4.5	33	4.4	5	2.1	17	57	4.6	47	4.1	5	3.8	07	41	5.0	33	4.4	7	3.2		
28	48	4.8	26	3.5	6	2.8	18	47	5.0	46	5.0	6	2.8	08	57	4.8	45	5.2	5	3.9		
29	49	5.0	40	4.9	6	3.6	19	48	5.0	42	4.1	7	3.0	09	35	4.8	56	4.4	7	2.3		
30	35	4.5	22	4.0	6	3.9	20	40	4.8	23	3.3	7	3.8	10	43	4.6	32	4.6	8	3.4		
31	33	4.3	43	4.6	6	3.8	21	50	4.1	33	4.6	8	2.4	11	50	4.6	59	4.4	5	2.6		
32	53	4.5	18	3.9	7	3.2	22	49	5.0	33	4.4	8	3.4	12	29	4.4	35	4.6	6	2.8		
33	42	4.8	27	3.9	8	3.9	23	35	5.0	49	4.1	6	3.6	13	42	4.4	41	4.2	3	2.8		
34	43	4.5	21	3.9	6	3.2	24	27	4.4	34	4.6	6	2.2	14	35	3.9	36	5.0	5	3.8		
35	46	5.0	23	3.5	7	3.2	25	50	4.8	37	4.4	7	3.8	15	—	—	49	5.0	—	—		
36	33	5.0	26	3.5	11	3.9	26	36	4.4	46	4.1	5	2.6	16	48	4.6	43	4.6	8	3.6		
37	53	5.0	34	4.4	6	2.8	27	31	5.7	28	3.9	6	3.6	17	29	4.4	38	5.0	6	3.8		

Tab. 3.1.3. Allyn, Nov., 1949.

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24, 00h							24, 01h					24, 01h					18m	44	4.4	32	4.4	6	3.6	08m	34	5.7	27	4.4	7	3.8	59m	65	4.8	40	5.0	10	3.6	19	54	4.8	48	4.8	3	2.6	09	29	4.1	35	4.6	6	2.6	02	71	5.4	42	4.6	6	2.8	20	43	4.8	58	5.2	3	3.0	10	68	4.4	31	4.1	6	3.8	00	63	5.0	45	4.8	3	3.2	21	42	4.6	32	4.4	6	3.2	11	63	5.0	52	5.2	7	2.6	01	59	5.4	32	4.6	8	4.1	22	33	4.4	31	5.0	7	3.2	12	38	4.4	37	4.4	5	3.0	03	76	5.7	37	5.7	6	2.8	23	47	5.0	38	4.6	5	2.8	13	54	4.4	38	4.8	9	3.9	02	71	5.4	42	4.6	6	2.8	24	45	5.2	43	4.4	7	3.4	14	41	4.4	47	4.1	8	3.0	04	53	4.8	63	5.7	8	3.0	25	61	5.2	31	4.8	6	3.7	15	40	4.8	46	5.2	10	3.8	05	53	4.8	67	4.8	5	3.9	26	43	4.8	53	4.6	7	4.1	16	33	4.6	35	4.4	6	3.4	06	54	5.0	50	4.1	6	2.4	27	43	4.6	25	4.8	7	2.8	17	35	4.8	54	4.4	9	4.1	07	75	5.4	23	4.1	5	3.0	28	67	4.4	49	4.6	5	2.6	18	50	4.4	34	4.6	7	2.8	08	53	5.0	43	4.6	8	2.8	29	45	4.6	40	4.4	6	2.8	19	47	5.0	49	4.8	6	2.8	09	69	5.0	42	3.9	7	3.2	30	48	4.8	23	4.4	8	4.1	20	36	4.8	33	4.4	7	2.6	10	46	5.0	43	4.6	7	3.4	31	53	4.6	74	4.6	10	2.6	21	54	5.5	33	4.6	11	3.2	11	48	5.0	57	4.8	9	3.9	32	46	4.6	35	4.8	7	3.6	22	59	5.5	27	5.2	8	3.8	12	45	5.0	46	5.4	7	3.0	33	65	4.4	33	4.8	8	2.4	23	25	5.5	41	4.8	6	3.8	13	51	5.9	44	5.0	8	2.4	34	38	4.6	33	4.4	3	3.4	24	46	5.0	33	4.4	7	2.8	14	54	4.8	—	2.1	8	2.2	35	51	4.8	23	4.4	5	2.8	25	38	4.4	26	3.9	6	2.6	15	39	5.0	43	4.3	8	2.8	36	34	4.4	37	4.4	5	2.2	26	65	5.5	33	4.4	7	3.2	16	87	4.6	47	4.8	8	3.8	37	44	4.2	38	4.4	6	2.6	27	51	4.6	50	4.8	5	2.4	17	64	5.0	42	4.8	6	3.6	38	53	4.6	38	4.4	4	3.4	28	46	5.0	25	4.8	5	2.4	18	58	5.7	56	4.8	6	3.2	39	48	4.6	45	4.8	3	2.8	29	28	4.8	34	4.8	4	3.6	19	66	5.0	45	5.0	10	2.8	40	33	2.4	38	4.4	5	2.3	30	53	5.0	26	5.0	7	3.8	20	43	4.8	39	4.8	6	3.6	41	36	4.6	25	4.8	6	4.7	31	53	4.4	38	4.4	7	3.8	21	42	4.6	43	5.2	7	3.6	42	46	4.6	34	5.2	6	3.4	32	54	4.6	36	4.4	7	3.4	22	52	4.8	24	4.3	3	3.0	43	44	4.8	40	4.1	5	3.0	33	43	4.6	47	5.0	7	4.7	23	77	4.6	35	5.2	9	2.6	44	72	4.4	61	5.5	7	4.4	34	64	4.8	53	4.6	6	2.4	24	59	5.0	44	4.6	4	3.4	45	49	4.4	33	4.6	7	4.3	35	33	4.4	32	4.6	6	2.4	25	64	5.0	58	4.8	8	4.1	46	24	5.0	33	4.4	6	3.8	36	44	4.4	32	4.4	7	2.8	26	48	5.0	36	4.8	8	4.1	47	42	4.4	31	4.4	6	2.8	37	63	4.8	30	4.1	3	2.6	27	46	4.6	32	4.3	6	2.4	48	34	4.2	42	4.1	6	2.8	38	54	5.0	34	4.8	5	2.8	28	69	5.2	42	4.3	7	2.6	49	—	—	47	4.6	8	2.6	39	35	4.8	37	4.6	6	2.8	29	39	4.3	54	4.6	6	3.8	50	46	4.4	46	4.8	6	2.8	40	46	4.8	43	4.4	4	3.4	30	67	5.4	39	4.3	7	2.8	51	47	4.6	62	4.6	8	2.8	41	37	5.0	33	4.6	—	—	31	82	5.0	39	4.3	5	2.4	52	50	5.5	43	4.4	7	3.4	42	54	5.0	46	4.4	8	3.4	32	37	5.0	41	5.4	8	3.0	53	47	5.2	32	4.4	6	3.2	43	43	4.6	43	4.4	7	2.8	33	90	4.8	44	5.9	7	4.1	54	57	4.4	64	4.6	5	2.8	44	37	4.1	21	4.4	6	3.4	34	76	5.9	63	5.2	5	2.7	55	76	5.5	28	4.6	6	2.4	45	—	—	45	6.5	3	2.8	35	46	4.8	67	4.8	6	3.8	56	48	5.5	45	4.6	8	2.8	46	41	4.8	39	4.4	3	3.4	36	45	5.0	46	4.8	6	2.3	57	38	4.4	31	4.4	8	3.8	47	43	4.8	43	4.6	7	2.8	37	57	5.4	38	5.4	6	3.9	58	44	4.8	53	4.6	8	3.8	48	76	5.5	47	4.8	7	4.1	38	58	5.7	44	5.0	6	3.9	59	34	5.2	38	4.4	7	3.0	49	69	5.0	33	4.8	6	2.6	39	50	5.2	30	4.3	6	3.5	01	59	4.1	53	4.4	8	2.4	50	56	6.3	33	4.6	7	3.0	40	45	5.0	45	4.6	7	2.9	02	51	4.4	53	4.4	6	3.8	51	65	5.0	44	4.6	5	2.8	41	52	4.3	59	4.3	6	3.5	03	52	4.8	46	5.7	7	3.0	52	60	4.4	54	4.4	5	2.8	42	52	4.8	50	4.1	7	2.9	04	32	4.6	44	4.6	7	3.8	53	66	4.6	32	2.7	7	2.8	43	54	5.4	29	4.3	8	3.5	05	32	5.0	32	4.1	5	2.8	54	59	5.0	42	5.0	7	2.8	44	71	4.6	47	2.2	8	2.9	06	50	4.4	54	4.4	5	3.8	55	61	4.4	43	4.4	5	3.8	45	57	4.8	46	4.3	1	4.1	07	43	4.6	41	3.8	6	4.7	56	50	4.6	53	4.4	6	3.8	46	41	5.0	54	4.8	14	2.9		35	3.9	36	4.9	8	3.8	57	62	4.6	42	4.6	3	2.3	47	56	4.6	61	4.6	6	3.3								58	64	5.2	41	4.4	3	6.8	48	70	5.0	37	5.7	6	2.9
18m	44	4.4	32	4.4	6	3.6	08m	34	5.7	27	4.4	7	3.8	59m	65	4.8	40	5.0	10	3.6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
19	54	4.8	48	4.8	3	2.6	09	29	4.1	35	4.6	6	2.6	02	71	5.4	42	4.6	6	2.8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
20	43	4.8	58	5.2	3	3.0	10	68	4.4	31	4.1	6	3.8	00	63	5.0	45	4.8	3	3.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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23	47	5.0	38	4.6	5	2.8	13	54	4.4	38	4.8	9	3.9	02	71	5.4	42	4.6	6	2.8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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28	67	4.4	49	4.6	5	2.6	18	50	4.4	34	4.6	7	2.8	08	53	5.0	43	4.6	8	2.8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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30	48	4.8	23	4.4	8	4.1	20	36	4.8	33	4.4	7	2.6	10	46	5.0	43	4.6	7	3.4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
31	53	4.6	74	4.6	10	2.6	21	54	5.5	33	4.6	11	3.2	11	48	5.0	57	4.8	9	3.9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
32	46	4.6	35	4.8	7	3.6	22	59	5.5	27	5.2	8	3.8	12	45	5.0	46	5.4	7	3.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
33	65	4.4	33	4.8	8	2.4	23	25	5.5	41	4.8	6	3.8	13	51	5.9	44	5.0	8	2.4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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36	34	4.4	37	4.4	5	2.2	26	65	5.5	33	4.4	7	3.2	16	87	4.6	47	4.8	8	3.8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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07	43	4.6	41	3.8	6	4.7	56	50	4.6	53	4.4	6	3.8	46	41	5.0	54	4.8	14	2.9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Tab. 3.1.3. Allyn, Nov., 1949.

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24, 02h							24, 03h					24, 04h										
49m	91	5.2	30	4.6	6	3.5	39m	117	6.7	84	4.8	8	3.1	29m	87	6.3	61	5.2	9	2.1		
50	83	5.0	00	6.0	7	4.1	40	79	4.8	63	5.2	8	3.9	30	46	5.2	61	5.5	2	2.5		
51	45	4.6	174	5.0	3	2.3	41	101	6.3	39	5.5	6	2.9	31	54	4.8	74	6.3	15	2.3		
52	78	4.6	35	5.2	6	3.3	42	67	2.5	48	4.8	8	2.9	32	48	7.2	67	5.0	7	2.9		
53	72	5.4	32	4.6	7	3.7	43	80	6.5	48	6.1	—	—	33	69	5.5	74	5.5	8	3.9		
54	73	4.8	37	4.3	8	3.5	44	109	5.7	78	5.2	6	1.9	34	74	5.7	73	5.5	10	4.2		
55	45	6.1	40	4.3	4	3.1	45	69	5.0	35	4.4	5	2.9	35	62	5.7	40	5.2	6	1.9		
56	64	5.4	43	4.8	6	2.7	46	65	6.5	35	5.0	7	2.3	36	76	5.7	38	5.9	7	3.9		
57	57	5.0	46	4.8	7	3.3	47	53	4.6	56	4.4	—	—	37	63	5.5	68	5.0	8	3.3		
58	65	5.9	64	4.3	6	2.9	48	72	5.0	64	5.0	8	3.1	38	69	5.2	53	4.4	5	1.9		
59	46	5.2	53	4.8	8	2.5	49	52	4.8	31	4.6	6	1.9	39	100	5.5	64	5.9	6	3.1		
03							50	92	5.2	55	5.0	6	3.7	40	80	5.2	56	5.2	8	3.7		
00	38	4.6	45	6.0	6	2.5	51	81	5.5	60	4.6	9	3.9	41	78	5.5	76	5.9	8	1.9		
01	47	5.7	56	5.0	6	3.0	52	60	4.8	66	5.7	6	4.7	42	71	5.2	62	6.7	8	3.3		
02	103	5.2	79	5.2	3	3.4	53	99	6.1	63	5.5	9	3.5	43	63	4.8	58	5.9	8	2.9		
03	38	4.8	64	4.6	4	4.0	54	71	5.9	85	5.5	10	3.9	44	111	5.9	92	6.5	5	1.9		
04	45	4.8	54	4.6	4	2.2	55	100	5.9	51	5.0	11	3.7	45	106	5.0	53	5.7	4	1.9		
05	45	4.3	66	5.7	8	4.0	56	70	4.8	64	4.4	8	3.3	46	86	4.8	51	5.0	6	2.9		
06	85	4.8	43	4.6	8	4.2	57	68	4.8	36	5.0	7	2.9	47	75	5.5	58	5.0	8	3.1		
07	66	4.3	65	7.2	4	3.0	58	87	6.5	52	5.9	8	1.9	48	92	6.5	67	5.2	10	2.9		
08	92	5.0	42	5.2	7	3.2	59	70	5.0	56	4.8	—	—	49	87	5.5	79	5.2	6	3.9		
09	42	5.7	71	5.2	4	4.0	04						50	105	6.5	59	4.6	10	2.3			
10	73	4.8	62	5.7	7	3.0	00	87	5.5	70	5.0	—	—	51	76	4.8	53	6.3	8	2.9		
11	54	4.6	58	4.8	8	3.4	01	78	7.0	32	4.4	—	—	52	87	4.8	29	6.1	9	2.3		
12	63	6.3	50	4.6	7	3.4	02	65	4.8	52	4.8	5	2.9	53	100	4.4	116	5.9	9	3.1		
13	66	5.4	89	4.8	9	2.6	03	54	4.8	73	5.7	—	—	54	103	5.2	80	5.0	5	1.7		
14	68	5.0	50	4.8	6	5.0	04	85	5.5	54	4.8	8	4.3	55	112	5.9	66	5.9	—	—		
15	64	3.9	52	4.3	7	3.0	05	—	—	46	5.2	9	2.7	56	52	4.8	70	5.0	7	1.9		
16	89	5.2	43	4.6	3	3.0	06	71	5.7	51	5.7	8	2.9	57	54	4.8	67	5.5	—	—		
17	72	6.1	35	4.8	6	3.2	07	74	5.2	66	6.4	10	3.5	58	96	5.7	114	6.1	7	2.0		
18	45	4.8	29	5.0	8	3.2	08	61	4.8	47	5.0	8	3.1	59	101	5.9	57	5.0	8	2.3		
19	47	5.2	32	4.3	9	3.0	09	87	5.0	66	5.2	11	3.3	05								
20	65	4.8	39	5.4	—	—	10	74	4.8	56	5.2	8	2.5	00	87	5.7	58	5.2	7	2.5		
21	95	6.8	81	6.5	7	2.2	11	111	6.7	47	4.8	9	1.9	01	64	4.4	54	4.4	9	1.8		
22	69	5.2	61	4.8	9	2.2	12	89	5.7	96	5.9	9	3.9	02	59	5.9	77	5.7	7	2.5		
23	72	5.4	61	5.7	10	3.5	13	78	5.7	44	5.7	—	—	03	50	5.5	95	5.0	9	2.7		
24	48	5.4	64	5.7	9	3.4	14	67	4.8	84	6.5	6	2.1	04	107	6.5	57	5.0	9	2.7		
25	45	5.6	57	6.0	10	3.2	15	63	4.6	70	4.8	9	2.3	05	87	6.1	44	4.6	9	2.9		
26	78	4.8	48	6.0	9	3.7	16	66	4.6	57	4.8	10	2.9	06	80	5.7	74	5.7	8	3.6		
27	48	4.3	32	4.3	8	2.0	17	71	4.8	61	4.8	7	3.1	07	98	4.6	70	5.0	6	2.3		
28	58	4.1	35	4.6	6	2.5	18	115	5.2	71	6.5	8	2.7	08	81	4.8	72	4.8	10	3.6		
29	67	2.0	47	4.6	7	1.7	19	103	5.0	66	5.9	6	3.5	09	70	6.1	125	6.5	9	2.5		
30	57	5.0	34	5.5	6	4.4	20	65	5.7	52	5.7	7	2.9	10	85	5.2	61	5.2	10	2.3		
31	64	4.4	58	5.5	9	4.3	21	81	5.9	85	5.5	—	—	11	57	5.0	52	5.2	—	—		
32	69	6.5	50	5.2	7	3.3	22	66	5.0	77	4.8	6	2.5	12	76	4.6	51	4.4	11	3.7		
33	51	4.6	44	5.2	7	2.9	23	64	4.4	58	6.1	9	2.3	13	106	5.9	52	4.8	8	2.3		
34	87	4.8	43	4.3	8	4.3	24	97	5.5	44	5.2	9	1.2	14	79	5.5	66	5.0	10	2.3		
35	57	5.0	85	4.8	8	2.9	25	113	5.7	47	6.5	8	1.9	15	58	4.8	43	4.8	5	2.1		
36	64	5.2	45	4.8	8	2.9	26	92	5.2	39	5.5	7	2.3	16	60	4.4	78	6.5	11	2.3		
37	48	5.2	49	5.0	8	3.7	27	97	7.0	51	5.7	6	3.3	17	146	7.0	53	4.6	8	2.9		
38	54	4.8	46	4.6	7	2.5	28	65	4.6	66	5.0	8	1.9	18	91	6.5	75	4.6	—	—		

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Osaka

Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D			
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$
24, 05h							24, 06h							24, 07h								
19m	108	6.5	85	5.5	9	2.3	09m	65	5.7	52	5.5	9	2.3	00m	76	5.0	80	5.7	5	2.3		
20	120	6.5	71	5.7	7	3.6	10	65	5.7	89	5.0	9	2.7	01	101	5.7	67	5.0	12	2.9		
21	100	4.4	51	4.8	9	2.3	11	75	5.5	63	5.0	8	2.3	02	99	6.1	71	4.8	—	—		
22	63	5.2	67	5.0	7	2.5	12	78	5.7	63	5.0	7	3.7	03	98	5.2	67	4.8	5	2.9		
23	98	5.2	55	4.8	9	—	13	79	6.5	71	5.9	—	—	04	88	5.5	116	5.9	8	2.3		
24	42	4.6	45	4.8	9	2.7	14	104	4.6	52	5.5	6	2.0	05	76	5.5	89	5.5	8	2.3		
25	89	5.7	73	4.8	7	3.6	15	67	6.7	—	7.0	7	2.7	06	97	5.5	67	5.0	8	2.0		
26	60	5.0	65	4.8	8	2.0	16	78	5.7	42	5.0	9	2.7	07	71	6.1	111	6.5	—	—		
27	80	5.2	54	5.7	9	2.9	17	127	6.3	56	5.5	7	2.1	08	61	5.5	65	5.0	6	3.0		
28	80	6.1	72	6.5	9	2.5	18	137	5.9	103	6.5	11	3.7	09	160	5.9	70	4.4	8	3.6		
29	87	5.7	102	6.5	9	2.5	19	144	6.7	90	5.0	10	3.7	10	105	7.2	97	5.9	8	2.7		
30	113	6.5	80	5.0	—	—	20	78	5.0	40	5.7	7	3.0	11	—	—	93	5.7	8	3.0		
31	154	5.7	62	5.2	8	2.5	21	85	4.6	55	5.2	10	3.6	12	73	5.7	73	7.0	7	3.2		
32	50	4.8	75	4.1	9	4.1	22	—	3.5	—	3.3	10	3.4	13	79	5.2	47	5.0	10	3.0		
33	75	5.7	56	5.5	3	2.7	23	78	4.8	60	5.0	9	2.7	14	55	5.7	51	5.0	11	3.6		
34	70	6.5	111	5.7	10	2.9	24	140	5.5	53	4.6	9	2.9	15	138	7.0	100	5.9	11	3.6		
35	69	5.5	45	5.0	11	2.0	25	86	4.8	81	6.7	9	2.7	16	103	5.2	85	5.5	8	4.1		
36	67	4.8	56	5.5	10	2.5	26	49	4.1	40	4.4	8	3.9	17	94	5.7	45	4.8	8	2.3		
37	58	5.5	88	5.9	9	2.1	27	65	4.8	82	5.7	11	4.5	18	71	5.2	38	5.5	7	2.3		
38	53	5.7	63	6.1	—	—	28	72	6.1	71	5.2	—	—	19	41	4.4	83	6.5	8	2.7		
39	65	6.5	39	5.5	—	—	29	66	5.2	67	—	8	2.9	20	86	6.5	73	5.7	7	3.0		
40	94	5.0	73	6.5	—	—	30	102	5.9	43	5.0	7	3.6	21	67	5.9	56	4.4	9	2.7		
41	88	6.5	68	7.0	6	2.9	31	143	6.7	42	4.8	12	2.3	22	68	5.2	49	6.1	10	3.6		
42	63	5.0	63	5.5	9	3.4	32	36	5.7	58	5.0	8	3.6	23	69	5.7	54	4.8	8	2.7		
43	81	5.2	53	4.8	7	2.7	33	63	5.5	46	4.4	7	3.4	24	102	5.5	34	4.4	8	2.9		
44	69	5.9	49	5.5	12	2.7	34	94	5.5	53	5.0	11	3.6	25	64	4.4	59	5.7	9	2.7		
45	106	5.0	54	5.0	10	3.4	35	76	4.4	46	5.7	9	2.5	26	66	4.6	112	6.5	9	2.9		
46	54	4.8	44	5.2	10	3.6	36	75	5.2	43	4.6	12	4.5	27	121	5.0	65	4.6	12	4.5		
47	113	5.7	51	5.7	—	—	37	83	5.5	42	5.0	10	3.6	28	68	6.5	81	5.9	—	—		
48	112	5.7	68	5.7	13	2.7	38	73	6.5	67	5.5	9	4.1	29	60	5.0	35	4.8	—	—		
49	103	5.5	71	4.8	10	3.2	39	86	4.8	35	5.7	10	3.6	30	83	5.5	49	5.5	—	—		
50	99	5.7	63	5.0	—	—	40	83	6.5	49	5.2	9	4.5	31	81	5.5	66	7.4	8	3.6		
51	80	5.2	49	4.6	6	1.8	41	79	6.5	64	6.7	7	3.6	32	80	5.0	70	6.3	6	2.3		
52	78	6.7	90	5.2	7	3.0	42	146	6.7	78	5.9	12	2.7	33	61	4.8	45	5.7	8	2.3		
53	106	6.3	92	5.9	11	3.6	43	52	7.0	74	5.2	11	3.6	34	113	6.7	61	5.5	9	3.7		
54	98	5.2	110	5.9	10	3.4	44	101	5.7	70	5.0	12	3.9	35	100	5.9	66	6.5	8	2.7		
55	100	4.8	67	4.8	9	3.0	45	103	6.5	94	5.2	9	4.5	36	—	—	69	5.0	7	2.3		
56	61	5.2	58	5.0	—	3.7	46	54	4.4	33	4.6	8	3.2	37	50	5.7	69	5.0	9	3.0		
57	94	5.0	63	5.9	7	2.0	47	97	6.7	74	5.0	9	2.7	38	54	5.9	108	5.7	6	2.7		
58	63	5.5	61	5.5	7	3.2	48	66	4.8	65	4.4	7	2.9	39	160	7.3	46	4.6	9	3.0		
59	55	5.9	43	5.2	—	2.3	49	74	5.7	66	5.2	7	3.2	40	99	6.1	35	5.0	9	3.6		
00	82	6.5	56	4.8	—	—	50	89	4.8	61	5.5	10	3.6	41	81	5.7	63	5.7	8	2.3		
01	62	6.7	46	5.2	9	2.0	51	54	4.6	59	3.9	9	2.5	42	60	5.2	35	5.0	6	2.1		
02	73	5.5	58	5.5	7	2.0	52	90	5.7	48	4.6	—	—	43	122	7.4	56	4.8	8	3.6		
03	88	5.7	76	5.5	9	3.7	53	117	5.2	51	4.4	9	3.6	44	69	5.2	49	5.5	—	—		
04	69	5.2	49	5.5	8	2.7	54	98	5.2	38	5.7	10	4.5	45	68	5.0	50	5.5	5	2.7		
05	60	4.4	77	5.5	9	1.8	55	91	5.2	64	5.0	9	3.7	46	70	6.5	39	4.8	9	2.7		
06	60	5.9	88	5.9	10	3.6	56	87	5.5	79	4.8	7	2.0	47	63	5.5	88	5.0	9	4.5		
07	65	4.8	73	5.5	10	3.6	57	74	4.4	47	5.0	8	2.7	48	69	5.0	81	5.2	8	3.4		
08	71	5.0	41	5.5	9	3.6	58	86	6.1	82	5.2	7	2.0	49	115	5.2	79	5.2	7	2.7		
							59	89	5.7	85	6.1	10	3.9	50	109	4.8	76	5.5	9	3.0		

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Osaka																						
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D			
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$
24, 07h							24, 08h							24, 09h								
51m	83	6.1	77	5.5	7	2.7	41m	50	5.5	78	5.5	11	3.2	31m	80	5.6	60	4.4	18	6.0		
52	69	5.2	79	5.0	9	3.2	42	94	5.7	54	5.2	11	3.2	32	64	5.8	60	4.9	6	3.6		
53	56	5.7	77	5.9	13	3.6	43	100	5.7	53	5.0	11	3.6	33	83	5.2	28	4.3	6	3.2		
54	67	4.8	47	4.6	6	2.0	44	92	5.9	116	5.7	13	3.2	34	81	4.4	81	4.9	10	3.7		
55	64	4.6	73	5.2	8	2.9	45	100	5.9	83	5.7	9	2.7	35	62	5.4	78	7.1	12	3.9		
56	66	5.2	51	4.8	7	2.3	46	78	5.9	55	6.3	8	2.7	36	69	4.7	65	5.6	5	2.9		
57	75	4.8	33	4.8	11	3.6	47	60	4.8	83	5.9	8	3.2	37	65	4.9	48	6.7	11	4.5		
58	86	5.9	42	6.5	9	2.9	48	105	5.0	89	5.0	—	—	38	36	4.5	43	4.4	12	2.5		
59	110	5.2	82	6.3	8	2.3	49	33	3.9	44	1.4	9	2.7	39	127	6.4	50	5.6	11	2.8		
08							50	65	4.8	61	5.7	10	2.7	40	71	5.4	37	5.4	11	3.0		
00	71	4.8	100	6.1	8	2.1	51	106	5.5	94	6.3	13	2.9	41	98	7.1	44	4.4	8	2.8		
01	99	6.5	79	6.3	9	2.5	52	90	5.9	81	5.2	10	2.7	42	59	4.4	91	5.1	7	2.8		
02	86	5.0	58	5.0	6	2.1	53	103	5.2	71	5.5	10	2.9	43	68	5.1	68	7.8	12	2.4		
03	52	4.8	60	6.1	8	3.2	54	105	5.0	97	5.7	7	2.7	44	58	4.7	60	5.6	12	3.9		
04	94	5.9	36	4.6	10	2.7	55	83	5.0	73	6.5	10	3.9	45	77	4.5	47	4.5	6	2.8		
05	98	7.0	62	5.7	—	—	56	79	5.9	86	6.5	10	2.7	46	66	4.8	35	5.1	6	2.4		
06	66	6.9	54	4.8	—	—	57	90	7.0	74	5.0	9	3.6	47	67	5.1	49	5.6	7	2.7		
07	90	5.7	52	5.9	11	3.6	58	128	5.9	51	5.5	7	2.9	48	140	6.7	59	4.7	8	3.2		
08	71	4.8	84	4.8	11	3.4	59	70	5.2	44	5.5	9	2.3	49	89	5.6	51	5.1	11	2.8		
09	75	5.9	63	5.9	—	—	09							50	82	4.7	79	6.7	9	2.4		
10	100	6.5	60	5.0	13	4.5	00	74	4.6	52	7.6	12	3.6	51	99	5.8	43	6.2	11	3.8		
11	76	4.8	65	5.7	10	3.2	01	24	4.6	41	5.5	11	3.6	52	71	6.4	68	6.7	11	2.3		
12	103	7.0	33	3.9	13	3.6	02	74	4.4	45	5.0	10	4.1	53	77	5.1	63	6.7	10	2.9		
13	111	5.7	75	6.5	11	3.4	03	75	5.5	44	5.5	11	3.6	54	83	4.9	51	6.9	8	2.8		
14	103	5.9	53	6.3	—	—	04	51	4.4	80	5.7	10	3.6	55	74	5.4	64	4.9	8	3.4		
15	66	6.1	50	5.5	—	—	05	95	6.5	56	5.2	13	4.1	56	76	4.7	108	7.8	10	3.1		
16	90	5.9	45	5.2	10	2.7	06	73	4.8	37	4.6	10	2.8	57	98	6.4	38	4.5	11	3.2		
17	71	4.8	42	5.0	—	—	07	78	5.2	89	5.7	—	—	58	120	5.6	63	4.7	11	3.9		
18	94	5.2	47	5.2	7	3.2	08	—	—	—	—	—	—	59	60	4.7	79	5.6	11	3.5		
19	77	6.1	62	5.0	8	2.9	09	44	4.7	56	4.3	11	3.6	10								
20	81	5.5	78	5.9	11	3.6	10	90	5.1	90	7.8	11	3.2	00	54	4.5	56	4.5	8	2.8		
21	60	4.8	52	4.1	9	2.7	11	67	4.9	85	5.3	8	2.9	01	56	4.7	49	4.4	11	3.1		
22	79	5.7	68	5.7	11	2.9	12	—	—	43	5.6	11	3.6	02	80	7.5	38	4.3	9	3.0		
23	62	4.8	31	4.6	11	3.6	13	88	5.0	48	5.4	8	3.6	03	75	6.0	28	4.3	10	2.9		
24	76	5.2	48	4.4	6	2.1	14	—	—	46	4.9	13	3.8	04	64	4.9	59	4.3	8	2.6		
25	113	6.1	47	5.0	—	—	15	69	5.4	51	4.4	10	3.2	05	82	5.4	61	4.9	6	4.6		
26	75	5.5	70	6.5	6	3.0	16	87	5.6	56	6.2	13	3.9	06	79	4.9	43	5.4	9	3.9		
27	56	4.8	58	5.0	—	—	17	63	4.5	56	5.8	7	4.3	07	68	6.2	45	5.8	8	2.8		
28	135	6.1	45	5.7	9	2.7	18	71	5.6	46	4.5	8	3.8	08	100	5.6	44	5.8	9	2.8		
29	48	4.8	75	6.5	10	2.5	19	86	5.6	107	6.5	12	2.9	09	64	5.8	47	4.4	8	2.5		
30	—	—	55	5.5	13	2.9	20	74	6.0	52	4.9	19	5.6	10	65	6.7	61	5.1	7	2.4		
31	76	4.8	52	5.5	10	3.0	21	79	5.6	38	4.4	9	4.1	11	150	7.4	54	5.8	12	2.1		
32	61	5.7	39	5.7	6	2.7	22	84	5.6	35	5.8	13	3.8	12	75	4.9	43	5.6	13	1.9		
33	100	6.1	53	4.4	—	—	23	77	4.9	63	4.9	12	2.8	13	49	4.5	73	4.7	6	3.9		
34	76	4.8	45	5.0	11	3.6	24	60	5.1	61	5.5	7	2.6	14	97	6.2	34	4.2	12	3.9		
35	95	7.3	64	6.1	9	2.7	25	60	5.6	50	4.7	15	5.6	15	102	6.7	53	4.4	10	4.0		
36	59	4.8	58	6.5	11	3.4	26	48	2.5	71	5.1	12	4.1	16	79	5.6	53	5.3	5	1.9		
37	63	6.3	82	5.5	9	3.7	27	61	5.6	61	4.9	7	3.0	17	57	6.7	62	4.4	7	1.9		
38	123	6.1	49	5.7	7	2.7	28	104	6.9	62	5.1	24	4.7	18	44	4.4	30	6.4	9	2.1		
39	78	4.8	88	6.7	7	2.7	29	97	6.7	53	4.4	7	2.6	19	80	5.1	40	4.0	8	3.1		
40	80	5.2	40	5.5	8	3.6	30	137	6.7	34	4.4	11	3.7	20	58	4.9	50	4.2	8	2.4		

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Osaka																						
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D			
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$
24, 10h							24, 11h							24, 12h								
21m	69	5.1	56	5.1	9	2.8	11m	59	4.5	48	4.9	9	3.8	01m	48	4.4	38	5.6	6	1.9		
22	120	6.7	111	5.3	9	2.7	12	81	5.1	35	6.0	8	2.5	02	35	5.1	51	4.9	10	2.8		
23	91	7.6	46	4.9	8	2.6	13	72	6.4	58	4.7	8	3.8	03	79	4.5	49	5.6	7	4.0		
24	49	4.9	35	5.1	9	3.1	14	50	5.6	44	4.3	6	2.4	04	57	4.9	45	5.6	8	3.8		
25	75	5.8	80	6.9	9	3.8	15	71	6.2	39	6.2	11	3.4	05	46	4.5	58	6.0	6	1.9		
26	55	4.9	32	5.1	8	2.8	16	65	4.7	29	4.4	8	2.9	06	75	5.6	26	4.9	8	2.7		
27	89	6.2	45	6.2	13	3.2	17	60	5.1	56	5.1	6	3.0	07	61	4.7	57	5.8	6	2.8		
28	73	5.4	76	5.4	8	2.4	18	105	5.6	38	4.4	7	2.3	08	99	7.1	53	5.6	8	3.0		
29	73	5.6	43	4.3	7	2.6	19	88	5.1	47	4.4	11	2.8	09	65	4.7	49	4.2	7	3.0		
30	65	6.0	59	4.5	9	3.0	20	57	6.4	44	5.8	11	2.9	10	56	5.1	53	4.9	16	5.4		
31	85	5.6	45	4.7	10	3.9	21	56	6.2	50	5.6	5	2.1	11	58	5.1	34	4.7	7	3.0		
22	56	4.9	55	4.5	10	3.1	22	78	4.7	46	4.7	12	3.5	12	56	4.3	45	4.3	8	3.6		
33	76	6.0	62	5.6	7	2.8	23	63	5.6	64	6.5	10	3.2	13	69	4.9	43	5.6	11	3.1		
34	59	5.1	76	5.6	8	2.9	24	90	5.6	63	5.8	7	2.8	14	48	4.4	59	5.1	7	3.6		
35	83	6.5	45	4.5	8	2.0	25	70	5.1	63	7.8	8	2.4	15	48	5.4	47	4.3	8	3.0		
36	90	5.8	70	4.5	8	2.3	26	70	5.2	34	4.5	8	2.7	16	65	5.6	45	4.9	8	2.8		
37	70	6.2	65	5.3	8	3.8	27	80	5.0	55	6.0	10	3.8	17	63	4.3	55	4.7	6	2.9		
38	106	6.2	76	5.3	9	2.8	28	45	5.6	42	4.9	6	3.8	18	54	4.9	69	6.7	10	3.4		
39	45	4.3	44	4.3	8	3.4	29	69	4.9	47	6.7	10	2.6	19	58	4.9	53	5.6	8	2.8		
40	63	5.3	38	4.7	7	2.9	30	40	5.8	29	5.1	7	4.7	20	75	6.9	28	4.4	7	3.8		
41	102	5.6	57	5.1	8	3.2	31	67	5.4	58	5.4	6	2.8	21	58	4.9	56	5.1	6	2.8		
42	47	4.9	64	5.5	8	3.6	32	57	4.9	64	6.7	6	3.7	22	54	4.5	45	6.0	9	3.6		
43	86	5.1	70	5.6	8	3.2	33	48	4.3	34	4.7	7	2.4	23	35	4.5	42	4.9	6	1.9		
44	80	6.7	68	5.1	9	1.9	34	65	6.2	62	4.9	10	3.0	24	46	4.5	56	5.8	10	3.3		
45	65	5.4	34	4.3	7	2.8	35	74	4.9	68	4.9	11	2.4	25	61	5.4	39	4.7	12	3.5		
46	54	6.0	40	4.5	11	3.4	36	70	5.6	54	5.6	9	3.7	26	57	5.1	39	5.6	7	3.4		
47	85	6.0	32	4.3	11	2.8	37	58	5.1	45	4.9	8	2.8	27	45	4.5	32	4.4	10	3.6		
48	51	4.9	40	4.5	6	1.9	38	53	5.6	72	8.0	7	2.8	28	53	4.5	35	5.6	6	2.8		
49	80	5.1	24	5.6	9	2.8	39	37	4.7	45	4.7	10	3.8	29	64	6.7	32	4.4	7	3.0		
50	83	4.9	56	5.2	10	2.9	40	75	5.6	47	4.9	6	2.5	30	76	5.1	43	4.4	6	2.5		
51	75	5.8	50	4.7	8	3.0	41	90	5.1	45	4.4	6	3.0	31	90	5.6	45	5.4	6	2.3		
52	85	5.4	43	4.7	11	2.9	42	50	4.7	53	4.4	8	3.6	32	100	5.6	51	5.3	6	4.1		
53	75	5.8	55	4.7	10	3.7	43	50	5.8	44	4.2	11	3.2	33	67	6.2	73	4.9	7	3.9		
54	58	5.1	74	5.1	8	2.5	44	52	6.5	98	7.1	8	3.4	34	35	5.1	46	4.4	9	3.0		
55	78	4.4	65	4.4	11	3.1	45	68	5.6	77	6.0	6	3.0	35	45	4.5	46	4.9	8	3.1		
56	65	5.3	47	5.6	10	2.4	46	83	5.8	61	5.6	14	2.3	36	65	4.5	36	4.4	11	2.3		
57	72	5.1	56	6.0	9	2.4	47	86	5.6	60	5.1	6	2.9	37	63	5.6	49	5.4	9	4.3		
58	114	6.7	68	4.7	11	2.9	48	63	5.1	43	4.4	3	3.0	38	66	4.7	61	5.4	7	2.8		
59	105	6.5	35	5.8	10	2.8	49	54	4.5	39	5.8	6	2.8	39	75	6.0	41	4.7	8	2.9		
11							50	79	6.7	54	6.7	7	3.2	40	76	5.3	41	4.1	7	2.3		
00	75	5.6	49	5.8	9	4.9	51	54	4.9	69	6.5	9	3.9	41	69	6.5	68	7.3	6	2.9		
01	72	5.4	53	4.3	8	2.8	52	122	5.6	63	6.7	8	1.8	42	46	5.3	40	4.3	9	3.6		
02	103	6.7	54	4.9	10	2.9	53	61	5.1	67	5.6	12	2.9	43	33	5.4	34	4.7	11	3.3		
03	60	4.9	59	4.5	8	2.8	54	126	6.5	53	5.7	8	1.9	44	44	4.7	39	5.3	10	3.0		
04	100	4.9	69	5.5	8	1.8	55	72	4.9	42	4.4	8	3.1	45	67	4.9	56	5.4	9	2.8		
05	62	4.4	54	4.7	8	2.8	56	54	5.1	50	5.2	11	3.0	46	70	4.7	41	5.3	12	5.4		
06	59	5.8	37	5.8	10	3.1	57	85	5.4	34	4.4	12	1.9	47	43	4.7	39	5.4	7	2.9		
07	70	6.0	56	5.6	9	2.0	58	87	6.7	53	5.8	8	2.4	48	87	4.5	50	5.6	6	3.6		
08	59	4.7	37	5.2	9	1.9	59	55	5.1	50	5.4	7	2.5	49	49	4.7	41	6.4	11	4.1		
09	71	6.2	55	4.7	7	2.8	12							50	49	4.7	50	5.4	5	2.4		
10	28	4.3	35	6.9	9	2.4	00	63	5.1	42	4.3	7	3.0	51	51	4.9	37	5.6	9	2.8		

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Osaka

Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D			
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$
24, 12h							24, 13h							24, 14h								
52m	90	4.9	82	7.8	7	3.3	42m	66	6.7	46	6.7	5	2.4	32m	28	5.6	26	4.2	11	3.8		
53	61	6.2	38	4.4	9	3.7	43	76	4.7	38	5.6	6	3.0	33	62	5.3	43	4.4	10	3.8		
54	66	5.6	51	4.4	3	2.8	44	50	5.6	37	4.5	5	2.6	34	60	5.1	48	4.4	11	2.8		
55	60	4.4	35	6.5	6	3.1	45	65	4.7	38	5.1	8	3.3	35	48	5.1	42	5.6	10	2.7		
56	44	4.3	40	5.4	7	2.8	46	64	4.9	39	4.9	8	2.8	36	56	6.2	43	4.4	6	1.9		
57	67	5.4	61	5.4	6	2.5	47	50	5.6	41	5.7	7	3.0	37	44	4.7	30	6.0	4	2.8		
58	68	4.4	48	4.5	8	3.4	48	41	4.9	51	4.9	7	2.8	38	35	4.7	57	5.2	6	3.5		
59	86	5.6	45	4.4	8	2.7	49	59	5.6	34	4.7	10	3.2	39	51	6.7	39	4.3	6	2.8		
							50	86	5.6	46	4.9	7	3.3	40	61	6.5	62	5.6	11	2.8		
13							51	48	5.4	51	5.1	7	2.9	41	48	4.9	46	4.9	7	2.8		
00	53	5.1	43	4.7	8	2.8	52	60	5.6	55	5.4	6	2.9	42	48	4.5	62	5.4	3	3.6		
01	59	5.8	49	5.6	6	2.6	53	51	4.4	50	5.5	6	3.7	43	69	6.5	57	6.7	12	2.3		
02	51	4.9	39	5.1	6	2.8	54	50	5.3	37	4.4	8	3.1	44	48	5.3	53	5.4	4	2.7		
03	49	4.4	39	4.7	4	2.8	55	43	4.3	46	4.7	8	3.0	45	48	6.7	47	6.0	8	3.6		
04	43	4.2	47	5.1	8	3.0	56	60	5.3	38	5.4	7	3.8	46	53	4.5	69	6.7	6	2.7		
05	23	5.4	34	4.7	7	3.2	57	62	4.9	37	4.7	5	3.4	47	48	4.5	36	4.7	5	2.3		
06	71	5.4	26	4.7	5	1.9	58	45	4.3	39	5.6	6	2.8	48	51	6.5	31	4.4	10	2.3		
07	67	4.5	43	5.4	6	3.2	59	66	4.5	69	6.2	8	3.0	49	64	7.1	34	4.9	7	2.9		
08	53	4.7	32	4.5	7	2.4							50	37	4.7	35	5.1	2	2.3			
09	65	4.7	23	4.4	6	2.5	14						51	48	4.3	39	4.3	8	4.0			
10	64	6.2	45	4.7	7	3.0	00	68	4.7	38	4.7	6	4.0	52	58	4.9	35	4.4	5	3.9		
11	75	6.7	27	5.6	8	2.7	01	88	5.6	38	5.6	7	3.4	53	54	4.5	46	4.9	3	2.9		
12	42	4.7	42	5.1	6	2.9	02	69	5.6	39	4.5	6	2.8	54	54	4.9	35	4.4	5	3.2		
13	78	5.6	45	4.9	7	2.8	03	55	4.9	28	5.8	3	3.0	55	40	5.6	51	5.6	9	3.4		
14	51	5.6	45	4.5	4	2.8	04	55	4.7	44	4.7	6	2.2	56	53	4.4	46	5.1	6	2.4		
15	64	5.1	45	4.4	6	4.5	05	50	5.6	35	4.7	5	3.9	57	77	7.8	23	4.9	5	2.8		
16	54	4.7	52	5.4	6	3.6	06	34	5.6	39	5.1	6	2.8	58	46	4.9	44	4.2	13	3.9		
17	45	4.4	61	7.8	6	3.0	07	51	5.1	53	5.1	7	2.8	59	45	4.9	50	5.4	5	3.2		
18	59	4.9	37	5.6	7	2.8	08	55	4.5	34	4.9	6	2.8									
19	68	4.7	62	4.7	10	2.7	09	36	4.5	43	4.7	9	3.2	15								
20	62	5.4	61	4.7	8	2.3	10	39	4.5	37	5.6	9	3.4	00	40	4.7	42	4.4	6	2.2		
21	65	4.5	53	4.5	6	2.8	11	45	4.5	54	4.9	7	3.4	01	50	5.6	31	4.7	5	2.3		
22	47	4.7	38	4.9	5	2.5	12	67	5.3	27	4.7	10	2.8	02	49	6.7	37	5.6	6	2.7		
23	43	4.7	53	4.9	7	2.8	13	58	4.9	33	4.2	6	2.4	03	60	6.7	62	6.5	9	2.8		
24	54	4.5	45	4.9	6	2.2	14	52	7.1	32	4.5	6	2.4	04	62	5.2	44	4.3	2	2.3		
25	45	4.5	51	5.4	12	3.6	15	55	4.4	36	7.1	6	3.6	05	46	4.4	48	6.2	6	2.1		
26	62	5.6	34	4.9	6	2.4	16	47	4.5	24	4.2	6	3.6	06	32	4.3	37	4.3	9	3.7		
27	59	5.1	65	6.2	8	2.8	17	46	4.5	49	5.8	4	3.8	07	40	5.6	29	5.6	8	2.4		
28	58	4.9	67	5.6	8	2.8	18	45	4.7	33	4.4	12	3.8	08	43	4.9	39	5.6	7	3.9		
29	38	4.5	56	4.9	5	2.4	19	60	4.9	60	5.6	4	3.6	09	51	4.5	21	4.4	7	3.3		
30	26	5.4	51	5.6	6	2.8	20	100	7.5	43	4.5	6	2.9	10	50	4.4	24	4.7	6	3.7		
31	54	4.9	39	5.1	5	2.6	21	90	6.7	40	4.4	5	3.8	11	37	5.6	36	4.9	4	1.9		
32	74	5.6	37	4.9	7	3.1	22	75	5.6	33	4.7	6	4.7	12	42	5.3	37	4.7	6	3.7		
33	69	5.6	59	7.1	6	3.0	23	62	5.4	46	5.6	6	3.8	13	42	4.7	73	4.5	5	2.5		
34	37	4.3	27	5.6	4	2.8	24	45	4.5	33	4.4	6	3.6	14	36	5.1	28	4.4	3	2.7		
35	70	5.6	43	4.2	11	2.8	25	80	5.6	37	5.1	7	3.5	15	54	4.7	46	4.9	10	3.8		
36	56	5.6	38	4.9	6	3.8	26	82	5.6	33	4.4	7	3.5	16	33	4.4	36	6.2	5	2.3		
37	77	5.1	64	4.5	6	2.2	27	43	4.3	33	5.6	3	2.7	17	39	5.8	45	5.6	2	3.4		
38	71	4.7	35	6.7	9	3.0	28	46	4.3	37	5.4	6	2.2	18	58	7.3	63	6.0	7	2.8		
39	81	6.7	53	4.7	8	2.4	29	75	5.6	50	4.4	10	3.8	19	57	5.1	32	4.4	3	2.9		
40	66	4.7	31	4.0	8	2.4	30	42	6.2	63	5.4	10	2.4	20	63	6.4	42	4.7	3	2.3		
41	46	5.6	44	5.1	8	2.8	31	35	4.9	28	4.2	11	2.8	21	50	4.1	30	4.4	8	3.4		

Tab. 3.1.3. Allyn, Nov., 1949.

Osaka																							
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D				
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	
24, 15h							24, 16h							24, 17h									
22m	41	5.6	61	5.6	4	1.9	12m	40	4.5	21	5.1	6	2.8	02m	45	4.5	29	4.7	5	2.8			
23	79	5.6	31	5.1	4	1.9	13	38	5.2	34	4.3	6	3.8	03	29	4.9	21	4.1	3	2.8			
24	67	4.4	39	4.4	6	2.8	14	38	4.3	26	5.2	6	3.8	04	32	5.1	19	4.2	2	2.9			
25	38	4.2	37	6.4	3	3.8	15	47	6.4	21	4.7	10	3.8	05	52	5.6	23	4.4	7	3.8			
26	40	4.3	32	4.3	10	3.9	16	35	4.5	40	4.4	3	3.0	06	39	4.9	59	4.4	6	2.9			
27	32	4.3	42	6.4	5	3.2	17	40	5.6	18	4.3	3	3.0	07	45	5.6	21	4.4	3	2.8			
28	64	4.4	43	4.7	6	3.0	18	37	4.5	33	4.4	4	2.8	08	37	4.9	24	4.3	3	2.5			
29	51	5.6	54	6.7	6	3.8	19	37	4.5	37	5.4	5	3.8	09	46	4.9	22	4.4	3	2.9			
30	51	6.0	28	5.6	5	2.9	20	35	4.5	34	4.4	4	3.2	10	41	4.4	27	4.7	2	1.9			
31	49	4.7	29	4.3	6	2.9	21	35	4.7	19	4.3	5	3.8	11	39	4.9	33	4.4	3	3.8			
32	46	6.5	49	6.7	5	2.7	22	36	4.5	32	4.4	6	3.8	12	48	4.4	25	4.5	2	2.9			
33	52	4.5	38	4.3	6	2.3	23	39	4.7	27	4.7	8	3.8	13	45	4.4	33	4.4	3	3.8			
34	56	7.5	29	4.4	5	3.8	24	31	4.2	26	4.9	6	3.6	14	38	4.4	28	4.0	3	3.5			
35	56	5.6	22	5.2	6	3.9	25	39	5.4	44	5.6	4	1.9	15	30	4.9	37	6.4	2	3.8			
36	32	4.3	32	4.5	6	3.8	26	30	4.4	29	4.4	4	2.9	16	36	5.3	29	4.4	5	2.3			
37	63	6.7	32	5.8	6	2.8	27	35	4.4	22	4.4	3	3.8	17	47	4.5	28	5.4	3	2.8			
38	39	4.9	49	5.1	6	3.0	28	43	4.9	37	4.3	5	2.2	18	39	4.3	23	4.2	3	2.8			
39	57	4.3	30	5.1	5	3.8	29	26	4.4	40	4.3	6	2.8	19	46	5.4	28	4.3	4	3.4			
40	34	4.7	52	4.3	7	3.3	30	71	7.3	31	5.6	3	3.7	20	45	4.7	35	4.4	2	1.9			
41	74	4.9	65	5.6	5	2.3	31	55	7.1	34	5.4	6	3.4	21	36	5.1	29	4.4	2	2.3			
42	44	4.3	33	4.2	3	1.9	32	35	4.4	42	4.4	7	3.3	22	24	4.9	36	4.4	6	1.9			
43	41	4.5	33	4.4	6	2.8	33	34	5.3	21	4.4	6	3.6	23	46	4.5	23	4.7	6	1.4			
44	64	5.4	34	4.9	5	2.7	34	35	4.4	49	5.3	6	2.9	24	45	5.1	56	6.0	2	2.5			
45	39	4.9	24	4.7	6	3.2	35	48	4.3	34	4.3	5	2.4	25	39	4.4	36	5.1	6	2.9			
46	36	4.3	56	4.8	3	2.6	36	35	5.1	36	5.1	5	2.3	26	49	6.4	30	4.4	7	2.4			
47	56	6.4	44	5.1	3	3.6	37	56	5.6	34	5.1	8	3.7	27	32	4.2	23	4.4	3	2.8			
48	65	5.4	26	4.3	6	3.6	38	33	4.7	27	4.4	8	2.4	28	38	4.7	29	4.4	3	3.0			
49	49	4.3	40	6.2	6	2.8	39	45	4.4	27	5.1	6	2.6	29	29	4.7	23	4.4	7	1.9			
50	39	4.5	33	5.6	6	2.9	40	43	4.4	37	5.1	5	3.9	30	46	4.9	35	4.9	3	2.5			
51	46	4.7	26	5.6	6	3.2	41	53	4.4	36	6.0	4	2.9	31	42	5.6	34	3.8	3	3.4			
52	54	4.7	27	5.1	4	1.9	42	73	7.3	28	5.4	2	2.4	32	39	4.7	33	4.4	3	2.8			
53	27	4.5	30	4.9	5	2.8	43	50	5.6	33	4.9	6	3.8	33	42	6.4	33	4.1	6	3.4			
54	54	4.7	21	4.3	3	2.6	44	46	4.7	32	4.9	6	3.7	34	57	4.7	23	4.4	4	3.0			
55	59	4.3	32	6.5	5	3.8	45	33	4.4	43	4.9	3	2.9	35	36	5.4	27	5.6	3	3.0			
56	37	4.2	31	4.4	8	2.9	46	39	4.9	23	5.4	6	2.3	36	35	7.2	34	4.4	3	2.8			
57	44	4.9	39	5.6	5	2.3	47	52	4.5	35	4.4	5	2.8	37	37	4.9	21	5.6	7	3.6			
58	34	4.9	21	4.4	6	2.8	48	41	5.4	32	4.3	6	3.3	38	38	5.6	29	4.4	4	2.8			
59	51	5.6	27	4.7	5	2.8	49	56	4.2	22	4.9	4	2.9	39	40	5.2	29	4.5	3	2.3			
							50	43	4.0	34	4.9	4	3.1	40	47	4.9	26	4.4	6	3.8			
16																							
00	45	5.8	32	4.7	6	2.8	51	40	5.6	29	5.4	3	3.0	41	43	4.3	47	6.4	4	2.8			
01	35	5.4	58	6.5	5	3.8	52	37	5.8	31	6.2	3	3.8	42	50	4.4	45	4.9	5	1.8			
02	47	4.5	33	4.4	3	2.8	53	28	4.5	23	4.2	4	2.8	43	44	5.3	39	5.6	5	2.4			
03	60	4.5	32	4.4	5	3.8	54	31	5.6	40	4.4	6	3.9	44	43	5.8	27	6.0	4	1.9			
							55	43	4.5	38	4.4	6	2.0	45	34	4.5	31	4.1	4	3.2			
04	55	7.5	24	4.3	5	2.3								46	57	4.9	27	4.3	3	2.7			
05	43	5.8	35	4.9	2	2.8	56	36	5.3	44	5.8	4	2.9	47	35	4.4	35	4.9	2	2.9			
06	40	5.4	35	4.3	3	2.5	57	31	4.7	29	4.4	4	2.8	48	38	5.6	23	4.3	2	2.3			
07	46	4.5	30	5.4	5	2.8	58	54	4.5	27	4.4	3	3.0	49	37	4.4	23	4.4	2	1.9			
08	40	4.3	23	4.5	3	3.9	59	44	4.9	24	4.4	6	3.7	50	32	4.1	32	4.7	2	2.8			
09	44	5.8	32	4.7	11	3.4																	
10	40	4.9	37	5.4	6	3.5	17							51	36	4.9	28	4.1	2	1.9			
11	37	4.5	42	4.5	7	2.8	00	46	4.2	36	5.1	6	2.9	52	32	4.9	32	4.4	2	3.7			
							01	36	4.5	32	4.2	4	1.9										

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Osaka

Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D			
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$
24, 17h							24, 18h							24, 19h								
53m	32	4.3	43	4.3	2	2.1	36	39	5.3	21	4.7	2	3.8	19m	31	4.2	30	4.4	1	2.5		
54	41	4.9	17	4.4	3	3.8	37	27	4.9	23	4.4	2	2.8	20	33	4.4	34	4.9	2	3.9		
55	33	4.4	22	4.4	2	2.6	38	33	4.4	27	5.6	2	3.8	21	26	4.2	24	4.4	1	3.9		
56	38	4.4	26	5.8	2	2.8	39	33	4.7	25	4.3	3	3.8	22	47	4.4	27	4.4	2	3.0		
57	43	4.3	32	4.5	3	3.9	40	37	5.1	21	4.0	3	2.8	23	36	4.9	34	6.4	1	2.7		
58	53	6.7	56	5.6	2	3.4	41	40	4.5	28	4.3	2	2.3	24	35	4.9	37	5.4	1	2.4		
59	42	5.1	31	4.4	2	1.9	42	30	6.5	34	5.1	3	2.8	25	24	4.3	24	4.3	1	1.9		
18							43	28	5.1	24	4.4	2	3.0	26	37	4.4	30	5.6	2	3.1		
00	37	5.6	37	4.4	6	3.4	44	43	6.2	32	4.4	2	1.9	27	21	4.3	21	4.9	1	2.5		
01	39	4.4	27	4.4	3	3.0	45	36	4.9	30	5.6	2	2.5	28	33	4.7	22	4.4	1	1.9		
02	52	4.9	29	4.4	3	2.8	46	49	5.3	22	5.1	3	3.8	29	46	6.4	20	4.5	1	2.3		
03	38	4.7	32	6.0	2	1.9	47	24	4.7	38	4.3	1	2.5	30	48	5.2	26	4.4	2	1.9		
04	31	6.0	17	4.2	4	4.3	48	34	4.7	24	4.7	1	3.1	31	48	5.1	43	4.7	2	2.8		
05	40	4.3	24	4.3	2	1.9	49	39	4.7	22	5.6	1	1.6	32	56	5.6	28	4.4	2	3.8		
06	27	4.7	39	5.1	2	1.9	50	27	4.9	40	5.6	2	3.8	33	25	4.9	27	4.2	1	3.0		
07	23	4.2	22	4.7	2	1.9	51	43	4.3	33	4.9	2	2.8	34	30	4.5	24	4.0	2	2.8		
08	44	5.1	29	6.0	1	1.6	52	25	4.4	23	5.8	1	2.0	35	31	5.1	28	5.6	1	2.8		
09	41	4.7	28	4.3	1	2.0	53	52	5.4	51	4.3	2	2.3	36	40	6.0	22	4.4	1	3.8		
10	28	3.6	34	5.1	3	2.8	54	35	5.3	23	4.2	3	2.6	37	25	4.7	17	4.7	1	2.4		
11	30	5.6	32	4.4	4	1.9	55	29	4.3	34	4.3	2	2.5	38	29	5.6	29	4.9	1	1.9		
12	28	4.4	21	4.4	2	3.2	56	25	4.2	25	4.9	2	2.2	39	49	5.1	23	4.9	2	2.3		
13	27	5.6	32	4.4	2	2.3	57	26	4.4	26	5.6	2	2.6	40	24	4.4	23	4.9	1	2.8		
14	34	4.2	43	4.4	2	3.0	58	34	4.4	23	4.2	2	2.1	41	24	4.7	25	4.9	1	3.6		
15	38	6.2	41	4.7	2	2.8	59	35	4.7	25	4.7	3	2.8	42	26	4.4	30	4.9	1	3.2		
16	53	4.1	27	4.3	5	1.9	19	38	4.7	36	6.4	1	2.7	43	30	4.4	24	4.2	2	2.4		
17	48	4.4	27	4.4	2	2.5	00	39	5.3	32	4.4	1	2.9	44	34	4.4	23	4.9	1	3.0		
18	48	6.7	28	5.6	2	1.9	01	36	6.2	28	5.4	1	1.9	45	37	4.7	23	4.7	2	3.8		
19	45	4.9	21	5.1	2	2.4	02	39	6.0	25	4.9	1	1.9	46	38	4.4	32	4.3	1	3.6		
20	36	4.9	34	4.9	1	3.4	03	32	5.2	17	4.3	1	3.0	47	46	5.3	22	4.2	1	2.4		
21	53	5.1	18	4.9	3	2.8	04															
22	57	5.6	30	4.0	2	1.8	05	50	4.9	24	4.4	2	3.3	48	44	4.5	28	4.5	2	3.8		
23	34	4.4	32	4.0	3	2.9	06	32	4.0	23	4.2	2	2.3	49	47	4.9	24	4.2	1	2.8		
24	32	4.4	36	4.4	3	2.7	07	38	4.9	22	4.0	1	2.3	50	33	4.4	34	4.4	1	1.9		
25	36	4.9	24	5.4	2	2.3	08	27	4.7	21	4.2	1	2.5	51	35	4.9	30	5.6	2	3.4		
26	37	4.9	27	4.7	3	2.3	09	53	6.4	21	4.4	2	2.9	52	28	4.4	18	4.4	1	2.8		
27	52	4.4	29	4.7	2	1.9	10	34	4.3	20	4.1	1	4.3	53	26	4.4	22	5.1	1	2.8		
28	51	4.3	21	4.7	4	1.9	11	31	4.3	23	4.3	2	3.6	54	39	4.4	42	4.9	1	2.4		
29	22	4.2	30	4.3	2	2.1	12	25	4.9	20	5.1	2	3.8	55	26	5.3	31	7.6	1	2.4		
30	38	4.4	32	4.5	2	2.8	13	35	5.4	23	4.0	2	3.7	56	26	5.4	21	4.3	2	2.8		
31	41	4.9	34	6.7	2	3.7	14	42	6.2	22	4.3	2	3.9	57	37	5.8	22	4.3	2	3.4		
32	38	6.4	23	4.3	3	3.6	15	30	5.1	22	5.1	2	2.4	58	28	4.4	31	4.4	1	2.8		
33	34	4.9	21	4.4	3	2.6	16	47	5.4	26	4.1	2	2.4	59	36	5.3	28	4.7	1	1.9		
34	32	3.9	22	4.3	2	1.8	17	34	4.4	23	4.2	1	2.3	20								
35	34	5.8	26	4.4	2	1.8	18	23	4.9	21	4.7	1	1.9	00	28	4.4	28	4.4	1	3.6		

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Miyazaki														
Date & Time	N~S		E~W		Date & Time	N~S		E~W		Date & Time	N~S		E~W	
	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$
23, 18h					23, 18h					23, 19h				
00m	4	3.6	5	3.8	51m	7	4.5	6	3.8	41m	5	3.8	3	3.7
01	4	3.6	5	3.8	52	9	4.5	8	5.0	42	7	4.5	5	4.5
02	5	3.6	6	3.8	53	6	4.0	6	4.0	43	7	5.0	4	3.5
03	5	3.6	6	3.3	54	7	4.5	7	3.8	44	9	5.0	5	4.8
04	6	4.1	8	4.0	55	10	4.6	4	4.0	45	7	4.0	5	4.0
05	6	4.3	6	3.5	56	9	4.5	7	5.0	46	10	5.0	2	3.7
06	6	4.1	5	3.8	57	5	4.2	8	5.0	47	7	5.0	4	4.3
07	7	4.3	4	3.5	58	6	4.5	10	5.2	48	4	4.3	8	4.2
08	5	3.6	4	3.8	59	12	4.5	4	3.5	49	6	4.3	3	4.0
09	5	3.6	5	3.8						50	6	4.5	3	3.7
10	8	3.7	3	3.8	19					51	6	4.3	3	3.3
11	5	3.6	8	5.0	00	14	4.7	4	3.7	52	6	4.5	7	4.8
12	8	4.7	4	3.8	01	5	4.0	6	4.0	53	7	4.3	6	3.9
13	6	3.6	6	3.8	02	6	4.2	5	3.7	54	7	4.8	5	3.9
					03	6	4.6	7	5.1					
14	4	3.6	4	5.0	04	3	3.9	3	5.4	55	9	4.8	4	3.3
15	7	3.6	7	4.8	05	9	4.2	7	3.5	56	6	4.5	3	3.0
16	5	3.6	5	4.0	06	6	4.0	6	3.7	57	6	4.3	4	3.9
17	5	3.6	6	3.8	07	5	4.0	6	4.5	58	7	4.3	7	3.8
18	5	3.7	5	4.0	08	4	3.8	7	3.4	59	11	5.0	6	4.3
19	4	3.7	6	3.8	09	5	3.8	3	3.4					
20	3	3.8	5	3.8	10	6	4.0	4	4.1	20				
21	5	3.7	4	4.0	11	5	4.0	8	4.1	00	7	4.0	8	4.1
22	5	3.5	6	4.0	12	10	5.0	2	3.7	01	3	2.5	5	4.0
23	6	4.6	8	5.0	13	4	3.8	3	2.7	02	9	5.0	3	3.0
										03	6	4.0	4	4.0
24	3	3.8	5	3.5	14	4	3.8	9	4.3	04	4	3.8	4	4.0
25	6	3.7	8	5.0	15	5	3.8	4	4.3	05	7	5.0	3	3.5
26	6	3.6	4	4.0	16	3	4.3	6	4.1	06	2	3.3	5	4.5
27	5	3.7	5	4.0	17	5	3.5	3	4.0	07	2	3.3	3	5.0
28	5	3.7	7	4.3	18	7	4.5	4	3.5	08	3	3.8	4	5.0
29	5	3.7	5	4.8	19	4	3.8	4	4.7	09	3	3.8	4	4.0
30	7	3.9	3	3.8	20	10	4.5	5	3.7	10	3	3.8	5	4.9
31	6	3.5	7	4.3	21	9	5.0	5	4.5	11	4	5.0	3	4.0
32	4	3.7	5	3.3	22	5	3.8	6	4.5	12	4	3.0	4	4.8
33	9	4.3	4	3.5	23	8	4.3	5	5.6	13	4	4.3	5	4.6
34	14	4.5	7	5.0	24	8	4.0	3	5.0	14	6	4.3	3	4.2
35	4	3.8	6	3.8	25	6	3.8	16	6.3	15	6	4.3	3	4.1
36	5	3.7	4	4.0	26	5	3.8	5	3.4	16	6	4.5	2	4.5
37	11	6.0	7	5.0	27	5	3.8	7	5.0	17	6	4.5	3	3.8
38	4	4.0	5	3.3	28	—	—	5	4.0	18	6	3.8	2	4.2
39	10	4.8	6	4.0	29	—	—	7	3.0	19	6	5.0	4	5.0
40	7	4.3	4	4.0	30	14	5.0	7	5.0	20	9	4.8	5	4.6
41	9	4.7	6	4.0	31	7	4.3	5	4.0	21	6	5.0	4	5.0
42	8	4.0	6	4.5	32	5	4.0	4	4.3	22	6	4.8	4	5.0
43	14	5.0	5	3.8	33	7	4.0	12	5.0	23	7	4.5	3	4.3
44	11	4.5	8	5.0	34	10	4.8	11	5.0	24	5	3.5	4	5.0
45	8	4.5	7	5.0	35	5	3.5	10	5.0	25	8	4.3	3	3.7
46	12	4.5	6	4.5	36	4	3.8	5	3.5	26	10	5.0	3	5.0
47	6	5.0	8	5.0	37	4	3.8	5	3.8	27	7	4.5	2	4.3
48	5	3.7	3	4.0	38	8	4.0	6	4.0	28	7	5.0	2	4.0
49	9	4.5	2	4.2	39	7	5.0	4	4.3	29	7	5.0	5	5.3
50	5	4.0	5	3.8	40	10	5.0	4	3.8	30	7	4.5	3	4.3

Tab. 3.1.3. Allyn, Nov., 1949.

Miyazaki														
Date & Time	N~S		E~W		Date & Time	N~S		E~W		Date & Time	N~S		E~W	
	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$
23, 20h					23, 21h					23, 22h				
31 _m	10	5.0	3	4.3	21 _m	8	4.8	7	4.8	11 _m	15	4.8	3	3.3
32	7	4.0	8	5.9	22	7	5.0	4	4.8	12	11	4.8	4	4.5
33	5	5.0	5	4.7	23	7	4.8	10	5.0	13	6	4.3	6	5.0
34	6	5.0	2	4.6	24	7	4.8	4	3.1	14	6	4.1	8	5.0
35	8	4.8	4	4.9	25	5	4.0	5	4.4	15	8	4.8	4	4.5
36	7	3.3	4	4.6	26	5	4.0	4	4.8	16	8	4.6	8	5.0
37	4	5.0	4	3.7	27	7	4.8	4	4.2	17	13	4.1	3	4.3
33	3	3.8	2	3.8	28	5	4.5	4	4.1	18	7	4.8	3	3.3
39	6	4.3	3	4.4	29	6	5.0	6	4.3	19	9	4.8	6	5.0
40	8	5.0	3	4.4	30	10	5.3	2	4.1	20	15	4.8	9	4.8
41	9	5.0	4	5.0	31	7	5.0	6	4.3	21	16	6.0	8	5.0
42	—	—	3	4.3	32	6	4.3	3	3.6	22	9	4.8	6	4.4
43	—	—	2	3.8	33	6	4.5	4	4.3	23	13	4.8	3	3.8
44	—	—	4	4.5	34	9	5.0	4	4.3	24	13	4.8	4	5.0
45	11	4.8	4	5.0	35	10	5.0	9	4.8	25	13	4.8	6	5.0
46	13	4.8	3	3.5	36	10	5.0	3	4.3	26	13	4.8	3	5.0
47	8	4.3	5	4.0	37	9	4.5	5	4.1	27	11	4.8	8	5.0
48	5	3.8	6	3.8	38	9	5.0	8	4.8	28	11	4.8	4	3.6
49	10	5.0	3	4.0	39	5	3.8	4	4.8	29	24	4.8	5	4.5
50	6	4.3	8	4.7	40	6	3.8	7	4.8	30	12	4.8	7	5.5
51	4	5.0	3	3.8	41	14	5.0	7	4.9	31	9	4.8	8	5.3
52	7	5.0	3	5.0	42	7	4.0	8	4.8	32	8	4.3	5	4.9
53	9	5.0	5	3.6	43	8	4.3	7	4.9	33	9	4.6	4	4.8
54	7	4.5	2	3.0	44	7	4.3	8	3.8	34	8	4.3	8	5.5
55	8	4.0	8	6.0	45	9	4.3	9	5.7	35	7	3.6	4	5.8
56	10	5.0	4	4.5	46	6	4.3	10	5.0	36	8	4.3	4	4.1
57	6	4.0	6	5.0	47	7	4.5	10	5.0	37	8	4.8	9	4.6
58	6	5.0	7	5.2	48	10	5.3	7	4.0	38	8	3.6	5	3.9
59	5	4.0	6	5.0	49	7	5.0	10	5.0	39	6	4.1	4	4.6
21					50	11	6.0	13	5.0	40	11	4.8	7	5.0
00	17	5.0	5	5.6	51	9	5.5	3	5.0	41	13	4.8	7	5.0
01	7	3.7	9	5.8	52	9	5.0	8	4.3	42	10	4.6	5	4.9
02	12	4.5	5	4.7	53	12	5.3	5	3.8	43	8	3.6	10	5.5
03	13	4.6	9	4.8	54	12	5.8	10	3.8	44	6	4.6	5	5.5
04	11	4.3	5	4.8	55	—	—	7	5.0	45	6	4.1	8	5.0
05	7	5.0	8	4.4	56	—	—	5	3.3	46	9	4.8	12	5.2
06	16	5.8	4	2.4	57	10	5.0	10	3.8	47	13	5.5	10	5.1
07	12	5.0	3	2.4	58	5	4.0	8	2.5	48	11	4.3	3	3.4
08	10	5.0	8	4.8	59	5	3.8	7	3.8	49	9	4.3	6	4.3
09	10	4.3	3	2.9	22					50	12	4.3	6	5.8
10	20	6.3	5	4.8	00	11	4.1	6	4.3	51	8	4.8	5	4.6
11	7	3.8	7	4.1	01	10	4.3	11	5.3	52	13	4.8	4	5.1
12	7	5.0	3	4.4	02	9	4.8	6	4.0	53	8	4.8	9	4.8
13	7	2.5	4	4.6	03	13	4.8	7	4.5	54	7	3.8	4	5.1
14	6	5.0	6	4.1	04	5	4.1	8	5.0	55	9	4.1	5	5.5
15	8	3.8	7	4.9	05	8	3.6	8	4.5	56	8	4.8	4	4.6
16	7	5.0	7	4.1	06	7	4.3	4	4.7	57	7	3.8	8	5.0
17	7	3.8	5	4.8	07	6	4.3	4	5.0	58	11	4.8	7	5.0
18	11	4.5	4	5.0	08	5	3.8	5	4.5	59	11	4.8	4	3.3
19	7	4.5	7	4.6	09	4	3.6	6	5.0	23				
20	10	3.8	9	5.3	10	9	4.8	10	5.4	00	8	2.4	7	4.8

Tab. 3.13. Allyn, Nov., 1949.

Miyazaki															
Date & Time	N~S		E~W		Date & Time	N~S		E~W		Date & Time	N~S		E~W		
	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	
23, 23h					23, 23h					24, 0h					
01m	5	3.6	5	4.5	52m	9	5.3	8	5.5	42m	6	4.3	6	3.0	
02	10	4.1	7	4.8	53	8	4.8	7	5.2	43	—	—	4	4.8	
03	10	3.8	14	6.0	54	16	5.0	8	3.4	44	10	5.3	4	4.8	
04	8	4.8	6	4.7	55	11	4.8	8	4.3	45	13	6.0	8	4.3	
05	9	4.1	4	2.7	56	8	4.8	6	5.1	46	10	5.0	7	4.8	
06	10	4.6	4	4.3	57	6	4.1	13	5.1	47	11	4.3	6	4.3	
07	12	4.8	9	5.6	58	6	3.8	7	4.8	48	11	4.8	4	4.8	
08	12	4.8	10	5.1	59	11	4.3	9	5.1	49	7	4.8	10	6.0	
09	—	—	5	4.6						50	—	—	8	4.9	
10	—	—	9	4.4	24, 0h	00	8	2.6	4	4.6	51	7	4.8	6	6.1
11	—	—	9	5.6	01	6	3.1	4	4.3	52	7	4.8	9	6.1	
12	9	4.3	5	4.0	02	5	3.6	5	4.6	53	8	4.8	4	4.7	
13	7	4.8	3	3.1	03	14	5.0	9	4.8	54	12	4.1	9	4.6	
14	8	4.8	5	3.8	04	9	4.8	5	4.9	55	9	3.6	4	4.9	
15	9	4.8	6	4.7	05	5	3.6	5	4.9	56	13	4.8	9	6.1	
16	9	4.8	5	4.0	06	7	4.8	5	3.1	57	6	4.3	6	5.3	
17	11	4.3	5	4.5	07	8	4.8	7	5.1	58	16	4.8	5	5.5	
18	7	4.3	5	4.8	08	—	—	5	3.1	59	9	4.6	7	5.2	
19	15	4.8	4	3.8	09	9	4.8	4	3.3	1					
20	6	4.1	11	5.3	10	8	4.6	10	5.0	00	12	4.8	6	4.5	
21	6	4.1	5	3.6	11	7	4.8	7	3.6	01	9	5.0	10	5.5	
22	10	4.8	4	3.6	12	9	5.5	7	4.8	02	8	4.8	10	5.2	
23	12	5.0	5	4.8	13	10	4.6	5	4.8	03	13	4.8	11	6.1	
24	12	4.8	2	3.8	14	15	5.0	14	6.7	04	15	4.8	6	4.7	
25	11	4.8	4	3.7	15	9	5.0	9	5.3	05	7	4.3	9	5.1	
26	10	5.3	6	4.3	16	8	4.3	5	4.8	06	7	4.3	4	4.3	
27	10	5.3	6	4.5	17	—	—	9	5.3	07	13	4.3	7	4.5	
28	5	3.6	10	5.2	18	8	4.1	6	4.3	08	15	4.8	7	4.4	
29	9	4.8	9	4.8	19	7	4.3	8	4.8	09	—	—	5	4.8	
30	9	4.8	4	5.2	20	13	4.8	9	5.6	10	8	4.8	9	4.8	
31	9	4.8	3	4.1	21	6	3.8	7	5.2	11	5	4.8	6	4.4	
32	9	4.8	5	5.3	22	6	4.1	4	4.8	12	11	4.8	3	4.0	
33	9	5.0	9	4.8	23	—	—	4	5.3	13	7	4.8	4	4.9	
34	9	5.5	7	5.1	24	—	—	4	5.2	14	—	—	3	4.1	
35	12	5.3	4	4.1	25	—	—	6	4.2	15	9	4.8	12	5.5	
36	6	3.1	4	4.2	26	—	—	13	6.2	16	7	5.0	9	4.9	
37	6	2.9	8	4.9	27	8	4.8	3	4.3	17	4	3.8	7	4.8	
38	15	4.8	4	4.3	28	9	4.8	9	4.7	18	9	4.8	9	4.9	
39	9	4.8	4	4.7	29	15	4.8	15	6.4	19	5	3.6	13	5.7	
40	8	4.8	5	4.8	30	12	4.6	9	6.1	20	13	4.8	8	4.8	
41	7	4.8	7	4.1	31	9	4.3	9	5.3	21	9	4.8	9	6.2	
42	6	3.6	7	5.0	32	15	4.8	8	4.8	22	11	6.0	3	5.5	
43	6	3.6	7	4.2	33	—	—	7	4.8	23	9	4.8	11	5.3	
44	9	4.8	4	3.8	34	5	3.6	8	5.5	24	12	4.8	7	5.2	
45	5	4.1	8	5.3	35	—	—	15	6.5	25	9	4.3	10	5.2	
46	8	4.8	8	4.8	36	8	4.8	6	4.3	26	11	4.8	6	4.6	
47	13	4.8	8	5.5	37	13	4.8	9	4.7	27	9	4.8	4	4.8	
48	8	4.8	6	4.3	38	14	5.3	6	4.0	28	9	4.8	8	4.3	
49	8	4.8	3	4.3	39	14	5.3	4	4.8	29	—	—	5	4.8	
50	15	5.0	5	4.8	40	8	3.8	5	4.9	30	—	—	8	4.8	
51	15	4.8	5	4.8	41	9	4.8	10	4.5	31	7	4.3	13	6.1	

Tab. 3.1.3. Allyn, Nov., 1949.

Miyazaki														
Date & Time	N~S		E~W		Date & Time	N~S		E~W		Date & Time	N~S		E~W	
	A μ	T _{sec}	A μ	T _{sec}		A μ	T _{sec}	A μ	T _{sec}		A μ	T _{sec}	A μ	T _{sec}
24, 1h					24, 2h					24, 3h				
32m	8	4.3	7	5.5	22m	7	4.8	4	4.1	12m	17	5.3	22	6.2
33	11	4.8	6	3.6	23	13	4.8	15	5.5	13	15	4.8	11	5.8
34	—	—	9	5.1	24	7	4.3	17	5.5	14	13	4.8	12	6.0
35	8	4.8	18	6.0	25	8	4.8	9	5.8	15	15	4.8	8	4.8
36	6	3.6	11	5.4	26	11	4.8	12	5.5	16	11	4.3	10	5.1
37	17	5.0	6	5.8	27	—	—	9	4.8	17	11	4.8	4	4.8
38	8	4.8	—	—	28	7	4.8	9	5.8	18	37	7.2	5	4.8
39	7	4.9	—	—	29	13	6.0	8	4.8	19	19	5.3	11	5.4
40	13	4.8	8	4.8	30	17	5.3	10	4.3	20	15	4.8	8	6.0
41	9	4.8	8	4.8	31	13	4.8	4	4.8	21	13	4.8	10	5.1
42	8	4.3	12	5.3	32	10	5.3	9	5.3	22	11	4.8	4	4.8
43	—	—	4	5.1	33	10	5.0	10	5.5	23	13	4.8	14	5.3
44	8	4.8	6	5.0	34	—	—	5	4.8	24	7	4.3	11	5.3
45	9	4.8	14	6.0	35	11	4.8	12	6.0	25	7	3.6	20	5.3
46	9	5.3	12	5.3	36	—	—	6	5.3	26	13	4.8	10	5.2
47	9	4.8	8	4.9	37	9	4.8	7	5.1	27	9	5.0	20	6.4
48	7	3.6	4	4.8	38	11	4.8	8	4.9	28	41	7.2	14	5.9
49	5	3.6	5	5.3	39	15	4.8	11	4.9	29	6	3.6	19	6.1
50	9	3.6	3	3.1	40	19	5.3	12	6.3	30	11	3.6	12	5.2
51	13	4.8	6	4.7	41	13	4.8	6	5.0	31	11	4.8	7	5.0
52	11	4.8	5	4.8	42	—	—	6	4.7	32	7	4.3	24	7.5
53	13	4.8	8	4.8	43	—	—	9	6.9	33	8	4.3	8	5.0
54	9	4.8	8	4.9	44	14	5.3	9	4.8	34	8	4.8	5	4.9
55	7	3.6	8	4.8	45	9	4.6	12	5.6	35	4	7.2	12	6.3
56	9	3.6	17	5.8	46	9	5.5	22	6.7	36	7	4.8	11	5.7
57	13	4.8	17	6.1	47	12	5.3	7	4.4	37	26	7.2	9	5.8
58	7	3.6	10	4.8	48	7	4.8	18	5.6	38	16	4.8	21	7.0
59	9	4.3	23	6.9	49	9	5.0	14	6.0	39	13	4.8	7	5.7
					50	—	—	12	5.3	40	26	7.2	12	6.5
2					51	9	3.6	8	4.7	41	16	6.0	22	6.2
00	7	3.6	4	3.4	52	16	4.8	6	3.1	42	8	4.8	16	6.7
01	10	4.3	7	4.7	53	7	4.3	7	5.0	43	27	6.0	9	6.3
02	9	5.3	7	4.8	54	7	4.3	11	5.4	44	18	6.0	7	4.9
03	6	3.6	3	3.1	55	6	4.3	13	7.1	45	33	7.2	8	5.0
04	12	4.8	15	6.2	56	8	4.8	14	6.8	46	13	4.8	7	5.0
05	13	4.8	7	5.1	57	16	6.0	14	5.5	47	7	4.8	26	7.7
06	13	4.8	5	4.8	58	23	5.8	8	6.8	48	8	4.8	17	6.2
07	15	4.8	10	5.4	59	8	4.8	12	6.5	49	29	7.2	17	7.4
08	7	3.6	8	4.8						50	37	7.2	11	5.7
09	16	6.0	10	5.4	3					51	13	4.8	23	7.3
10	9	4.8	17	6.1	00	7	4.8	11	5.6	52	12	4.8	9	4.9
11	8	4.3	6	5.0	01	8	4.8	12	6.0	53	22	6.0	11	7.6
12	9	4.8	5	4.7	02	11	4.8	12	4.8	54	37	7.2	12	5.6
13	13	6.0	6	5.1	03	—	—	17	6.1	55	16	6.0	18	5.7
14	13	5.5	4	3.6	04	8	4.8	19	6.8	56	11	4.8	7	4.9
15	11	4.3	3	3.4	05	26	7.2	10	4.8	57	12	4.8	27	6.7
16	8	4.3	6	4.3	06	16	6.0	7	5.1	58	13	4.8	11	5.8
17	16	6.0	8	4.1	07	13	6.0	15	7.0	59	8	4.8	20	7.4
18	16	6.0	15	5.5	08	15	4.8	9	6.2					
19	—	—	6	4.1	09	7	4.8	8	4.8	4				
20	—	—	17	5.3	10	7	5.0	9	5.5	00	9	4.8	12	7.0
21	—	—	9	5.3	11	11	4.8	12	6.3	01	18	6.0	16	6.7

Tab. 3.1.3. Allyn, Nov., 1949.

Miyazaki															
Date & Time	N~S		E~W		Date & Time	N~S		E~W		Date & Time	N~S		E~W		
	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	
24, 4h					24, 4h					24, 5h					
02m	11	4.8	9	5.7	53m	18	7.2	18	6.0	43m	37	6.2	12	5.5	
03	16	6.0	10	5.0	54	16	6.0	10	5.2	44	16	6.0	17	6.9	
04	—	—	11	6.6	55	11	4.8	17	6.5	45	22	7.2	17	7.5	
05	11	4.8	11	6.7	56	—	—	12	6.0	46	13	4.8	46	7.9	
06	5	4.1	13	5.7	57	22	7.2	13	5.7	47	29	6.0	8	5.5	
07	22	7.2	16	6.7	58	9	5.5	28	7.5	48	41	7.2	7	5.7	
08	13	6.0	17	6.8	59	—	—	10	6.0	49	6	3.6	9	5.2	
09	16	6.0	18	6.0	5	00	13	6.0	22	6.7	50	6	6.0	13	5.8
10	11	4.8	15	7.0	01	29	6.0	20	7.4	51	8	4.8	20	6.9	
11	—	—	12	7.0	02	—	—	7	5.0	52	22	7.2	30	7.4	
12	22	7.2	17	7.4	03	6	3.8	15	6.2	53	—	—	33	7.4	
13	7	6.5	7	5.0	04	13	6.0	12	5.5	54	16	6.0	7	4.2	
14	16	6.0	11	6.2	05	16	6.0	23	7.4	55	13	4.8	8	5.5	
15	—	—	6	5.0	06	—	—	20	6.9	56	22	6.0	10	5.4	
16	—	—	20	6.9	07	22	6.0	14	6.0	57	22	7.4	22	6.7	
17	5	3.6	20	7.4	08	—	—	17	6.1	58	60	6.0	20	6.9	
18	16	6.0	19	6.7	09	26	6.0	10	5.0	59	7	6.5	25	6.8	
19	11	6.0	4	5.0	10	22	7.2	19	6.7	6	00	18	6.0	8	5.0
20	7	—	13	6.6	11	8	4.1	7	5.5	01	35	8.5	11	6.2	
21	16	6.0	16	5.7	12	22	6.0	17	6.5	02	18	6.0	17	6.4	
22	13	6.0	11	4.9	13	22	6.0	22	5.7	03	13	4.8	17	6.4	
23	18	6.0	4	5.0	14	24	6.0	19	6.3	04	29	6.0	19	6.7	
24	11	5.5	21	7.6	15	11	6.0	13	5.8	05	18	6.0	27	7.3	
25	26	7.2	20	6.9	16	—	—	17	6.9	06	18	6.0	4	4.9	
26	13	6.0	17	6.5	17	18	6.2	20	7.4	07	18	6.0	12	6.5	
27	—	—	8	5.5	18	—	—	30	7.4	08	16	6.0	23	7.4	
28	22	6.0	10	6.5	19	13	4.8	28	7.5	09	29	6.0	8	4.9	
29	18	6.0	9	5.7	20	26	7.2	16	5.7	10	13	5.5	16	6.3	
30	12	4.8	13	5.7	21	29	6.0	12	6.0	11	22	7.2	30	7.3	
31	12	5.3	14	7.5	22	18	7.2	10	5.0	12	16	6.0	17	6.5	
32	13	4.8	8	5.0	23	17	5.3	35	7.5	13	18	6.0	7	6.5	
33	26	8.4	16	6.3	24	22	6.0	27	7.0	14	37	7.2	17	6.4	
34	18	6.0	13	5.7	25	22	6.0	7	5.5	15	22	6.0	9	6.3	
35	13	6.0	12	6.3	26	41	7.2	16	6.7	16	6	3.6	30	7.2	
36	13	6.0	16	6.7	27	18	6.0	9	6.3	17	8	4.8	17	6.8	
37	7	4.8	13	5.8	28	—	—	15	5.4	18	30	7.2	5	5.7	
38	17	5.3	18	5.7	29	9	4.8	21	7.5	19	—	—	23	7.9	
39	24	7.7	26	7.2	30	18	6.0	17	6.9	20	22	6.0	17	7.4	
40	13	6.0	27	6.7	31	—	—	20	7.3	21	26	7.2	11	5.7	
41	22	6.0	10	5.0	32	20	4.8	16	7.2	22	9	4.8	6	5.2	
42	—	—	3	3.7	33	29	6.0	5	5.6	23	5	2.4	20	6.2	
43	41	7.2	25	7.1	34	11	5.3	23	7.4	24	22	6.0	23	7.3	
44	41	7.2	27	7.3	35	22	6.0	28	2.5	25	7	4.8	11	4.9	
45	10	6.5	12	5.5	36	—	—	11	6.6	26	22	7.2	13	6.6	
46	6	2.8	8	6.0	37	16	6.0	8	6.0	27	22	6.0	21	6.6	
47	—	—	29	6.9	38	13	6.0	8	4.9	28	18	7.2	10	5.0	
48	—	—	10	6.0	39	26	7.2	22	6.5	29	10	4.8	16	6.7	
49	16	6.0	13	5.8	40	13	6.0	13	6.6	30	13	6.0	17	6.8	
50	13	6.0	16	6.7	41	26	7.2	9	5.7	31	11	4.8	22	6.5	
51	16	6.0	14	6.0	42	18	6.0	11	5.7	32	8	4.8	26	7.2	
52	22	7.2	19	6.7											

Tab. 3.1.3. Allyn, Nov., 1949.

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Date & Time	N~S		E~W		Date & Time	N~S		E~W		Date & Time	N~S		E~W	
	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$
24, 6h					24, 7h					24, 8h				
33m	30	7.2	12	5.5	23m	13	6.0	15	5.7	13m	13	6.0	10	5.4
34	13	4.8	20	7.4	24	11	4.8	5	4.0	14	9	4.8	8	5.4
35	18	6.0	9	6.2	25	18	7.2	13	5.7	15	11	6.0	23	6.9
36	26	7.2	24	7.0	26	18	6.0	10	7.5	16	22	6.0	21	7.0
37	10	6.5	7	5.5	27	9	4.8	23	6.3	17	13	6.0	24	7.0
38	9	3.6	14	6.8	28	29	6.0	30	7.4	18	22	7.2	16	6.6
39	7	3.6	10	6.0	29	7	4.8	18	6.0	19	22	7.2	15	5.4
40	13	6.0	22	6.8	30	6	3.6	30	7.4	20	13	6.0	12	6.5
41	13	6.0	12	6.3	31	16	6.0	21	7.0	21	11	6.0	20	6.9
42	7	4.8	11	5.6	32	13	6.0	17	5.8	22	44	7.2	35	7.5
43	15	4.8	24	7.5	33	22	7.2	4	5.2	23	7	2.5	17	6.4
44	7	3.6	8	5.5	34	19	7.2	15	6.5	24	30	7.2	4	4.4
45	7	4.8	8	5.5	35	30	7.2	5	5.4	25	11	6.0	8	5.0
46	8	3.6	9	4.7	36	41	7.2	13	5.4	26	8	4.8	20	7.3
47	11	4.8	20	4.3	37	15	6.2	16	5.7	27	22	7.2	8	5.3
48	13	4.8	17	7.4	38	—	—	16	5.6	28	18	6.0	33	7.3
49	9	3.6	16	6.6	39	41	7.2	5	5.3	29	22	7.2	14	6.8
50	26	7.2	14	6.8	40	26	7.2	7	4.8	30	8	4.8	12	6.5
51	22	6.0	32	3.0	41	13	6.0	18	6.6	31	41	7.2	11	6.1
52	6	3.6	30	7.4	42	—	—	15	6.2	32	13	6.0	9	6.3
53	22	6.0	14	6.7	43	—	—	14	5.6	33	11	6.0	22	6.5
54	4	3.6	30	7.7	44	13	6.0	17	6.9	34	15	3.6	17	6.5
55	9	4.8	30	5.0	45	—	—	29	6.9	35	26	7.2	8	4.9
56	6	3.6	9	5.8	46	—	—	19	5.8	36	8	4.8	16	6.6
57	7	4.8	26	6.9	47	22	7.2	23	7.2	37	11	6.0	15	6.4
58	8	4.3	22	6.8	48	16	6.0	38	8.1	38	11	4.8	9	6.3
59	18	6.0	20	7.4	49	6	3.6	24	7.5	39	11	3.0	30	7.3
7					50	9	4.8	9	6.2	40	44	7.2	15	6.5
00	22	6.0	17	6.8	51	13	6.0	25	7.6	41	7	3.6	21	7.0
01	7	4.8	24	7.0	52	26	7.2	16	6.7	42	18	6.0	8	5.5
02	16	6.0	4	4.5	53	11	6.0	19	6.8	43	7	4.8	10	6.0
03	41	7.2	7	5.0	54	30	7.2	14	7.5	44	8	4.8	9	6.1
04	15	4.8	12	5.5	55	6	3.6	17	7.4	45	13	6.0	7	4.8
05	15	4.8	10	5.2	56	16	6.0	14	6.7	46	7	4.8	23	7.3
06	33	7.2	10	5.0	57	6	3.6	13	6.2	47	22	6.0	3	4.1
07	18	6.0	12	5.5	58	7	4.8	20	7.4	48	11	6.0	27	6.0
08	12	4.8	6	5.0	59	9	4.8	4	4.2	49	16	6.0	12	5.9
09	11	4.8	21	7.5	8					50	13	6.0	31	6.9
10	16	6.0	20	6.9	00	31	6.0	6	4.5	51	26	7.2	18	5.6
11	13	6.0	9	6.9	01	16	6.0	33	7.3	52	7	4.8	8	5.9
12	41	7.2	15	6.5	02	16	6.0	22	6.2	53	—	—	7	4.9
13	16	6.0	6	6.7	03	18	6.0	7	5.1	54	—	—	13	6.2
14	37	7.2	8	5.0	04	26	7.2	10	5.0	55	—	—	15	6.2
15	13	4.8	17	7.3	05	22	7.2	16	7.1	56	—	—	21	8.1
16	13	6.0	4	3.5	06	13	6.0	7	5.6	57	11	4.8	19	6.8
17	29	7.2	17	7.5	07	48	7.2	17	6.1	58	22	7.2	16	6.7
18	13	6.0	5	5.7	08	22	7.2	8	4.9	59	11	4.8	25	7.1
19	26	7.2	20	5.7	09	13	4.8	32	7.6	9				
20	25	6.0	22	6.4	10	31	6.0	8	5.5	00	18	6.0	12	6.3
21	—	2.0	7	6.3	11	13	6.0	12	5.5	01	18	6.0	17	7.3
22	—	—	7	5.5	12	8	4.8	6	5.0	02	13	6.0	12	6.5

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Date & Time	N~S		E~W		Date & Time	N~S		E~W		Date & Time	N~S		E~W	
	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$
24th 9h					24th, 9h					24th,10h				
03m	5	2.4	15	6.4	54m	18	6.0	5	4.0	44m	18	7.2	9	6.2
04	6	3.6	13	7.1	55	28	7.2	24	7.5	45	16	6.0	26	7.2
05	60	6.0	8	5.3	56	25	7.9	14	6.7	46	26	7.2	4	5.2
06	37	7.2	17	6.5	57	7	4.8	27	7.3	47	8	4.8	4	4.8
07	9	6.0	12	6.5	58	12	4.8	5	6.3	48	5	3.6	8	5.8
08	6	3.6	12	6.0	59	22	7.2	17	6.5	49	5	3.6	6	4.3
09	7	4.8	18	7.0	10					50	7	4.8	12	6.5
10	9	4.8	16	6.7	00	16	6.0	21	7.0	51	7	4.8	23	7.3
11	13	6.0	22	6.7	01	18	6.0	7	4.8	52	—	—	16	7.2
12	22	7.2	22	6.7	02	16	6.0	29	7.2	53	7	4.8	19	6.7
13	9	6.0	3	4.3	03	11	6.0	8	5.3	54	16	6.0	6	5.3
14	7	4.8	11	5.6	04	26	7.2	8	5.3	55	16	6.0	15	6.2
15	7	4.8	9	5.6	05	18	6.0	8	4.8	56	11	6.0	17	7.3
16	9	4.8	26	7.2	06	16	6.0	17	6.8	57	8	4.8	16	7.2
17	5	3.6	23	7.3	07	30	7.2	20	6.5	58	22	7.2	8	6.0
18	13	6.0	14	6.8	08	—	—	10	6.6	59	30	7.2	14	6.9
19	7	4.8	23	6.3	09	11	6.0	20	7.3	11				
20	11	4.8	23	7.3	10	16	6.0	27	7.3	00	13	5.5	19	7.2
21	8	4.8	27	7.3	11	22	7.2	18	6.6	01	7	4.7	15	6.1
22	18	7.2	12	5.2	12	22	7.2	6	6.1	02	15	6.2	16	6.3
23	9	4.8	12	6.3	13	16	6.0	14	6.7	03	8	4.4	11	6.1
24	—	—	10	5.4	14	13	6.0	8	6.1	04	13	5.6	12	6.4
25	8	4.8	19	7.2	15	8	4.8	13	6.6	05	17	6.2	17	6.8
26	7	4.8	5	3.8	16	50	8.3	30	7.4	06	17	6.2	17	7.4
27	15	7.2	27	7.3	17	8	4.8	16	5.6	07	10	4.9	11	5.9
28	16	6.5	8	4.8	18	—	—	5	4.8	08	4	3.7	12	6.3
29	13	6.0	23	7.3	19	8	4.8	7	4.8	09	26	7.2	14	6.9
30	9	6.0	23	7.3	20	7	4.8	12	6.3	10	13	6.3	22	6.7
31	11	4.8	23	7.2	21	8	4.8	19	6.8	11	16	6.5	10	6.0
32	5	3.6	13	6.1	22	9	4.8	9	6.2	12	17	6.2	31	7.9
33	8	4.8	24	6.5	23	22	7.2	7	4.8	13	15	5.5	34	4.3
34	16	6.0	25	7.1	24	18	6.0	9	5.3	14	17	6.2	20	6.5
35	16	6.0	29	6.9	25	9	4.8	11	6.2	15	17	6.2	19	6.7
36	7	4.8	4	4.9	26	8	4.8	8	5.3	16	11	5.5	9	5.5
37	11	6.0	4	5.0	27	13	6.0	30	7.0	17	5	4.9	8	6.8
38	5	3.6	12	6.4	28	12	5.3	23	7.3	18	17	7.0	17	6.8
39	6	3.6	14	6.3	29	16	6.0	20	7.3	19	4	4.7	20	7.3
40	—	—	7	4.3	30	—	—	12	6.5	20	18	6.8	20	7.3
41	9	4.8	13	5.7	31	5	3.6	15	6.5	21	17	7.0	26	6.9
42	9	4.8	5	4.8	32	7	4.8	19	7.1	22	13	5.4	16	6.6
43	6	3.6	15	5.8	33	—	—	19	7.1	23	17	6.3	7	5.5
44	7	4.8	17	6.5	34	26	7.2	14	6.9	24	15	7.5	13	7.3
45	9	4.8	37	7.4	35	8	4.8	14	6.8	25	13	6.9	17	6.8
46	13	6.0	23	7.2	36	—	—	6	5.2	26	18	7.4	12	6.3
47	19	7.2	25	6.8	37	16	6.0	15	5.5	27	15	6.2	16	6.7
48	37	7.2	23	6.9	38	13	6.0	27	7.4	28	13	6.3	27	7.3
49	—	—	19	6.7	39	9	4.8	7	5.7	29	26	7.3	13	7.3
50	30	4.8	5	5.3	40	—	—	5	5.3	30	14	6.1	12	6.3
51	18	6.0	10	6.0	41	—	—	9	5.3	31	13	5.0	9	4.3
52	31	6.0	4	3.4	42	—	—	17	6.5	32	4	4.6	17	6.8
53	16	6.0	7	5.2	43	22	7.2	8	5.3	33	14	6.5	10	6.5

Tab. 3.1.3. Allyn, Nov., 1949.

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Date & Time	N~S		E~W		Date & Time	N~S		E~W		Date & Time	N~S		E~W	
	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$
24th, 11h					24th, 12h					24th, 13h				
34m	5	4.0	8	5.8	24m	33	7.0	2	2.9	14m	16	6.0	7	4.1
35	8	6.3	9	5.2	25	22	6.5	6	4.3	15	7	4.5	2	2.6
36	9	5.3	11	6.7	26	12	6.8	10	6.0	16	4	3.0	3	2.6
37	7	5.0	6	5.4	27	21	7.1	8	5.9	17	18	6.0	11	5.3
38	6	5.0	12	6.0	28	22	7.3	14	6.8	18	8	4.6	6	5.3
39	9	5.5	10	6.5	29	15	6.8	16	6.7	19	8	4.2	7	6.3
40	17	6.5	12	6.5	30	7	5.4	14	6.0	20	12	5.5	10	7.2
41	5	3.5	10	6.0	31	7	7.0	3	4.3	21	4	5.0	12	6.5
42	27	7.5	10	6.0	32	30	6.8	5	4.8	22	11	6.7	5	5.3
43	14	5.8	12	6.5	33	23	7.5	6	5.3	23	24	7.8	4	4.3
44	5	3.8	6	5.4	34	4	4.9	19	6.8	24	13	7.0	12	6.3
45	13	6.3	7	4.9	35	22	7.0	2	3.1	25	7	4.9	6	5.3
46	24	7.8	8	6.8	36	26	7.3	5	5.3	26	3	3.5	5	5.5
47	20	7.0	6	6.0	37	6	5.1	11	6.7	27	4	3.2	8	5.5
48	15	5.0	10	6.0	38	10	5.0	16	7.2	28	6	5.1	8	5.5
49	13	5.5	6	5.8	39	6	5.0	16	7.2	29	4	5.0	4	4.8
50	11	5.2	17	7.4	40	16	6.3	14	6.9	30	16	5.7	7	4.8
51	17	6.2	8	5.8	41	11	2.7	12	7.0	31	11	5.5	5	5.5
52	26	6.4	11	6.1	42	6	5.7	12	6.0	32	12	5.0	13	6.6
53	15	6.2	20	7.3	43	6	5.5	13	7.2	33	23	7.0	4	4.8
54	10	5.0	20	7.3	44	8	5.2	4	6.0	34	8	4.9	8	5.3
55	8	4.6	17	6.9	45	24	6.0	4	2.4	35	9	5.0	6	5.3
56	20	6.3	16	7.2	46	4	4.9	4	3.0	36	3	3.5	12	6.3
57	23	7.0	20	6.9	47	3	3.0	10	6.0	37	9	6.8	7	6.2
58	22	7.3	10	7.4	48	15	7.0	4	5.1	38	4	4.9	3	4.8
59	21	6.7	13	7.2	49	8	5.6	11	6.1	39	12	6.7	6	6.0
12					50	10	5.7	6	5.1	40	11	5.4	16	6.6
00	20	6.2	10	6.0	51	6	4.5	2	2.9	41	18	6.8	4	4.5
01	7	4.5	16	6.7	52	18	6.8	2	2.4	42	5	4.6	15	5.4
02	8	5.8	2	3.6	53	10	5.3	10	6.0	43	8	3.9	13	6.6
03	18	6.3	8	6.7	54	12	5.5	23	7.2	44	8	5.8	12	6.4
04	11	5.5	10	6.5	55	18	6.3	10	7.2	45	11	6.5	15	6.4
05	15	6.2	17	7.5	56	17	6.2	10	7.3	46	18	6.7	6	5.2
06	17	7.0	2	2.6	57	22	7.0	4	6.2	47	20	6.6	3	3.7
07	19	6.5	5	5.5	58	10	5.3	4	4.5	48	17	5.6	4	3.6
08	7	5.4	12	6.4	59	5	4.4	10	6.5	49	12	5.3	8	5.5
09	16	7.5	16	6.7	13					50	15	6.2	8	4.8
10	31	7.5	8	4.9	00	4	4.6	2	3.1	51	6	5.5	4	5.2
11	18	1.3	6	5.9	01	4	4.5	15	7.0	52	3	3.0	6	5.8
12	12	3.5	8	5.4	02	10	5.0	8	5.5	53	9	4.8	14	6.3
13	15	6.3	3	2.7	03	7	4.5	3	5.3	54	5	4.6	13	7.2
14	18	6.4	9	7.1	04	4	5.0	8	6.0	55	—	—	—	—
15	14	6.1	6	6.0	05	13	5.5	7	4.8	56	—	—	—	—
16	31	7.3	17	6.8	06	23	7.0	6	5.0	57	4	3.2	9	5.2
17	13	6.3	12	7.0	07	22	6.2	10	5.5	58	8	4.9	8	5.4
18	11	5.9	13	7.3	08	9	5.0	12	6.5	59	7	5.0	4	5.0
19	19	7.5	12	6.5	09	11	5.9	10	5.4	14				
20	8	5.7	9	5.3	10	16	7.0	4	4.6	00	3	3.0	6	3.7
21	9	6.9	9	5.6	11	7	4.2	5	5.6	01	7	2.5	7	4.9
22	8	5.8	4	4.8	12	17	7.1	17	6.4	02	6	3.7	3	3.7
23	12	5.6	3	2.9	13	13	6.1	14	5.5	03	7	3.7	3	3.7

Tab. 3.1.3. Allyn, Nov., 1949.

Miyazaki														
Date & Time	N~S		E~W		Date & Time	N~S		E~W		Date & Time	N~S		E~W	
	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$
24, 14h					24, 14h					24, 15h				
04m	5	3.5	5	3.7	55m	3	2.5	11	6.1	45m	5	3.7	11	6.1
05	7	4.2	5	3.7	56	4	3.7	5	3.7	46	3	3.7	6	4.4
06	5	2.5	7	4.9	57	7	5.4	11	5.6	47	8	5.6	6	2.5
07	5	3.6	5	3.2	58	5	3.2	7	4.9	48	6	4.9	7	4.9
08	5	3.7	6	4.4	59	7	2.9	4	4.9	49	6	4.9	7	4.9
09	6	2.5	5	3.7	15					50	4	3.7	7	4.9
10	5	3.7	5	3.7	00	5	3.7	7	4.9	51	10	6.1	4	3.7
11	6	2.5	3	3.7	01	6	3.7	7	4.9	52	8	6.1	4	4.9
12	6	3.0	5	3.9	02	6	3.7	7	4.9	53	10	6.1	3	2.5
13	5	3.6	6	4.9	03	3	2.5	5	3.7	54	4	4.4	3	2.5
14	6	3.5	4	3.7	04	9	4.9	8	4.9	55	7	5.0	5	4.9
15	7	4.9	8	4.9	05	5	3.9	3	3.2	56	5	3.7	2	2.9
16	6	3.7	7	4.9	06	5	3.4	3	3.7	57	6	2.9	4	4.9
17	10	4.9	10	4.9	07	3	2.7	11	4.9	58	5	3.2	4	3.7
18	5	3.7	9	5.6	08	3	2.9	7	4.4	59	5	3.7	7	4.9
19	9	6.1	6	4.9	09	14	6.1	7	4.9	16				
20	5	3.7	7	4.9	10	9	4.9	7	4.9	00	16	4.4	5	3.7
21	6	4.2	7	4.9	11	11	5.4	7	4.9	01	2	6.1	5	4.9
22	5	3.7	4	3.7	12	3	3.7	7	4.9	02	4	3.2	5	3.9
23	3	3.7	3	3.2	13	4	2.7	8	4.9	03	5	3.2	5	3.7
24	5	3.7	12	6.1	14	3	2.5	7	4.4	04	3	2.9	6	3.9
25	5	3.7	5	3.7	15	9	4.9	7	4.9	05	5	3.7	6	4.4
26	8	3.7	5	3.7	16	6	3.9	5	3.7	06	6	3.7	6	4.7
27	6	3.2	8	4.9	17	3	3.7	7	4.9	07	7	4.9	5	2.7
28	6	5.6	5	3.7	18	6	3.2	3	4.4	08	4	4.9	6	3.9
29	4	2.9	4	4.9	19	4	3.7	7	4.9	09	6	2.5	5	3.9
30	4	2.5	8	6.1	20	7	4.9	7	4.9	10	6	3.7	6	4.4
31	3	3.2	6	2.1	21	7	4.4	7	4.9	11	5	3.7	8	5.3
32	4	4.2	4	3.7	22	4	3.7	5	4.9	12	6	3.4	7	4.9
33	5	3.4	3	3.7	23	5	2.9	5	4.9	13	4	2.5	6	6.1
34	5	3.2	6	4.4	24	4	3.2	8	4.9	14	5	3.7	7	4.9
35	5	3.2	7	4.2	25	12	6.1	8	5.9	15	3	3.7	3	2.5
36	6	2.7	6	4.4	26	6	3.7	5	4.4	16	3	2.5	3	3.2
37	6	3.7	4	3.7	27	5	3.9	5	4.9	17	5	3.7	4	3.7
38	6	2.7	7	4.9	28	6	3.7	5	3.7	18	5	3.2	14	6.9
39	3	3.4	5	3.7	29	3	3.7	5	4.4	19	4	4.4	5	2.5
40	4	4.4	8	5.6	30	5	3.7	6	3.4	20	4	4.9	5	3.7
41	5	3.7	6	5.9	31	5	3.7	8	2.5	21	5	2.5	4	2.5
42	6	3.7	6	4.9	32	6	3.7	5	3.2	22	6	4.9	7	4.9
43	4	3.7	7	4.9	33	5	3.4	3	2.5	23	4	4.9	7	4.9
44	4	3.9	5	3.7	34	6	3.7	7	4.9	24	4	2.5	5	2.9
45	4	3.2	14	6.1	35	5	4.4	4	4.9	25	5	3.7	5	4.9
46	7	4.4	8	4.9	36	8	3.9	5	3.2	26	6	2.9	12	5.9
47	4	2.5	7	5.6	37	5	3.7	9	5.6	27	4	3.7	4	3.9
48	5	3.2	3	4.2	38	3	2.9	3	3.7	28	5	2.9	5	3.7
49	3	3.7	4	3.7	39	3	2.5	4	2.5	29	5	3.7	3	2.9
50	3	3.7	3	3.7	40	5	2.5	5	3.7	30	7	3.2	8	6.1
51	4	3.7	12	2.7	41	8	3.7	4	4.9	31	5	3.9	5	5.6
52	7	2.5	5	4.9	42	6	3.7	14	6.9	32	6	3.9	11	5.6
53	6	4.4	7	4.9	43	4	4.9	11	6.1	33	4	3.7	4	2.5
54	6	3.7	7	4.9	44	4	3.7	6	6.1	34	7	4.9	5	5.6

Tab. 3.1.3. Allyn, Nov., 1949.

Miyazaki														
Date & Time	N~S		E~W		Date & Time	N~S		E~W		Date & Time	N~S		E~W	
	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$
24, 16h					24, 17h					24, 17h				
35m	5	3.7	9	5.1	04m	3	3.7	3	3.7	34m	5	3.2	4	6.1
36	5	3.7	5	4.9	05	5	3.7	5	3.7	35	4	3.7	3	2.5
37	3	3.9	3	4.9	06	4	3.4	6	2.5	36	5	4.4	8	4.9
38	4	2.9	8	6.1	07	4	4.9	5	4.9	37	3	3.7	11	6.1
39	5	2.7	5	3.7	08	5	3.7	7	4.9	38	7	4.9	6	6.1
40	4	4.9	4	4.9	09	3	2.5	5	4.9	39	3	3.2	7	4.9
41	5	3.7	4	4.9	10	5	3.9	4	4.9	40	6	4.2	3	3.2
42	2	3.7	11	6.1	11	4	3.2	7	4.9	41	5	2.9	11	6.1
43	3	2.5	8	4.9	12	5	3.7	4	4.9	42	4	3.7	4	3.4
44	6	3.7	13	6.1	13	3	2.5	4	4.9	43	4	3.2	4	3.7
45	3	2.5	4	3.7	14	4	3.7	5	4.9	44	5	3.9	4	4.9
46	5	3.7	8	6.1	15	5	2.5	6	5.4	45	4	3.7	4	4.9
47	5	3.4	4	3.7	16	6	4.4	4	3.7	46	6	4.4	7	4.9
48	7	4.9	7	4.9	17	4	3.7	5	3.7	47	7	4.2	5	2.5
49	6	3.7	4	3.7	18	5	2.5	5	4.9	48	3	3.7	4	3.7
50	9	4.9	4	3.7	19	4	4.4	5	4.9	49	6	3.7	5	2.5
51	6	3.7	4	3.7	20	7	4.9	5	3.7	50	3	3.7	8	4.9
52	12	6.9	7	4.9	21	4	4.4	4	4.9	51	4	2.9	4	3.4
53	4	4.9	5	3.7	22	4	2.5	7	4.9	52	5	3.7	4	3.7
54	4	4.9	3	3.7	23	5	3.7	4	4.9	53	4	3.7	8	5.9
55	5	2.5	5	4.9	24	6	2.5	4	4.9	54	4	4.2	5	2.5
56	9	5.0	5	4.9	25	6	3.2	3	4.9	55	6	4.9	4	3.7
57	5	3.7	4	3.7	26	6	4.2	5	2.5	56	7	3.2	5	2.5
58	4	3.7	3	3.2	27	5	2.5	11	6.1	57	5	3.7	6	4.4
59	3	3.7	3	4.2	28	3	2.0	4	4.0	58	5	3.7	3	2.5
17					29	3	2.5	6	3.7	59	4	2.5	8	4.9
00	6	3.9	7	4.9	30	7	4.9	7	4.9					
01	6	3.7	5	4.9	31	7	4.9	7	4.9	18				
02	4	4.2	4	3.7	32	4	4.2	3	3.7	00	5	3.2	7	4.9
03	4	3.2	3	3.7	33	5	3.9	7	4.9					

Tab. 3.1.4. Jane, Sep., 1950.

Akita																				
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D	
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$
Sep. 3							Sep. 4							Sep. 4						
00h	3	2.1	4	2.1	—	—	02h	18	3.9	13	3.5	9	2.3	16h	10	3.2	7	3.0	—	—
06	4	2.7	3	2.1	—	—	04	20	3.9	19	3.9	11	2.3	18	8	3.2	7	3.2	—	—
12	4	4.4	3	3.2	—	—	06	27	3.9	26	3.5	14	2.3	5	8	3.2	4	2.5	—	—
18	6	2.3	4	3.2	—	—	08	27	3.5	23	3.5	12	3.5	00	4	3.2	4	2.5	—	—
22	6	3.5	6	3.2	—	—	10	17	3.5	14	3.9	—	—	06	5	2.8	3	2.8	—	—
4							12	15	3.7	14	3.5	—	—	12	4	2.9	2	2.6	—	—
00	12	3.7	10	3.5	5	2.6	14	10	3.9	12	3.5	—	—							

Tab. 3.1.4. Jane, Sep., 1950.

Onahama																					
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ
Sep. 1							Sep. 3						Sep. 4								
18h	3	0.6	4	0.9	0	0	06h	4	2.5	4	1.8	2	1.9	04h	6	2.6	4	3.3	0	0	
2							12	5	1.1	4	1.5	4	1.9	06	4	3.3	5	3.4	2	1.9	
00	4	0.6	4	1.0	0	0	18	8	1.8	6	2.3	0	0	12	5	3.1	4	3.3	2	1.9	
06	3	0.5	3	0.6	2	1.6	20	10	2.4	7	3.0	0	0	18	4	2.6	4	3.1	0	0	
12	3	0.5	3	0.8	2	1.5	22	10	2.8	10	3.2	0	0	5							
18	4	0.5	4	0.9	2	1.6	4	00	10	3.0	12	3.5	0	0	00	3	1.3	3	1.9	0	0
3							00	10	3.0	12	3.5	0	0								
00	3	0.8	4	0.6	2	1.5	02	12	3.7	10	2.9	0	0								

Tokyo																					
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ
Sep. 2							Sep. 3						Sep. 4								
00h	5	3.7	5	3.9	2	3.6	06h	12	4.8	9	4.7	—	—	00h	23	4.8	19	4.6	—	—	
06	9	4.4	6	4.3	2	3.8	12	19	5.2	14	4.9	4	4.3	06	17	4.6	9	4.3	6	3.4	
12	13	4.4	11	4.4	4	4.3	16	37	4.7	24	4.7	9	4.0	12	6	4.5	6	4.2	2	4.0	
18	11	4.4	11	4.5	4	4.0	18	30	5.0	25	4.3	—	—	18	6	4.1	3	4.1	—	—	
3							20	33	4.5	18	4.3	11	4.8								
00	13	4.6	10	4.6	4	4.4	22	27	5.2	23	4.9	9	4.6								

Tomisaki																					
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ
Sep. 1							Sep. 3						Sep. 4								
18h	3	3.4	—	—	—	—	06h	10	4.7	—	—	—	—	00h	19	4.2	11	3.6	—	—	
2							09	12	4.7	—	—	—	—	03	13	3.8	8	4.0	—	—	
00	3	4.3	—	—	—	—	12	16	4.9	—	—	—	—	06	10	4.3	—	—	—	—	
06	4	4.6	—	—	—	—	15	19	3.3	12	4.2	—	—	12	7	3.8	—	—	—	—	
12	6	5.1	—	—	—	—	18	29	1.7	20	4.3	—	—	18	7	3.2	—	—	—	—	
18	5	4.9	—	—	—	—	20	30	4.4	21	4.1	—	—	20	—	—	—	—	—	—	
3							22	22	3.7	14	4.1	—	—								
00	8	5.1	—	—	—	—															

Osaka																					
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ
Sep. 2							Sep. 3						Sep. 4								
22h	14	4.9	8	4.5	1	2.0	10h	70	4.8	69	4.4	17	3.2	00h	23	4.3	18	4.3	4	1.9	
3							12	90	3.7	91	3.5	55	2.5	02	19	4.2	19	4.3	3	2.1	
00	15	4.5	13	4.6	1	2.0	14	85	3.8	90	4.0	58	2.8	04	16	4.3	11	4.0	3	2.1	
02	17	4.9	13	5.3	3	2.0	16	67	3.8	82	3.3	50	2.1	06	19	4.2	18	4.2	2	2.5	
04	20	4.9	17	5.0	4	2.1	18	52	4.2	54	3.8	33	2.2	08	18	4.2	13	4.0	4	3.1	
06	31	5.1	28	5.1	6	2.2	20	36	4.2	46	4.2	13	2.0								
08	58	5.0	61	4.8	8	3.8	22	29	3.4	37	4.1	8	1.8								

Shionomisaki																					
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ
Sep. 3							Sep. 3						Sep. 3								
06h	10	3.8	12	4.0	—	—	12h	22	4.5	20	4.4	—	—	18h	6	3.8	6	3.7	—	—	
08	16	4.0	14	3.9	—	—	14	12	3.9	14	3.9	—	—	4							
10	22	3.9	16	4.4	7	4.7	15	14	4.4	10	3.3	—	—	00	2	3.4	2	3.9	—	—	
11	24	4.0	22	4.8	3	3.0	16	8	3.5	10	3.7	—	—	06	2	3.8	6	3.3	—	—	

Fukuoka																					
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ
Sep. 3							Sep. 3						Sep. 3								
00h	—	1.6	—	—	—	—	12h	1	2.0	2	3.7	—	—	18h	1	2.6	1	3.4	—	—	
08	1	2.7	2	3.5	—	—	14	1	1.9	1	3.1	—	—	4							
10	1	3.4	4	3.9	—	—	16	1	1.9	1	3.1	—	—	00	1	1.8	1	1.9	—	—	

Tab. 3.1.4. Jane, Sep., 1950.

Miyazaki																				
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		Date & Time	N~S		E~W		U~D			
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$
Sep. 2							Sep. 3					Sep. 3								
06h	—	—	—	—	—	—	00h	7 2.1	5 2.2	5 2.1	—	18h	5 2.6	3 2.4	—	—	—	—	—	—
12	—	—	—	—	2 2.5	—	06	8 2.0	7 2.9	4 2.1	—	4	—	—	—	—	—	—	—	—
18	5 2.3	5 2.1	4 1.8	—	—	—	12	6 3.2	4 2.1	1 1.6	—	00	2 1.4	—	—	—	—	—	—	—
												06	—	—	—	—	—	—	—	—

Tab. 3.1.5. Kezia, Sep., 1950.

Akita																				
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		Date & Time	N~S		E~W		U~D			
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$
Sep. 10							Sep. 13					Sep. 15								
12h	3 4.5	3 3.8	—	—	—	—	00h	2 3.3	3 4.7	—	—	04h	10 3.4	9 3.2	5 2.5	—	—	—	—	—
18	5 4.8	3 4.7	—	—	—	—	06	3 4.5	2 4.7	—	—	06	18 4.0	18 3.8	11 2.4	—	—	—	—	—
11							12	2 4.1	1 4.5	—	—	08	22 2.9	22 2.7	12 2.2	—	—	—	—	—
00	5 4.6	4 4.1	—	—	—	—	18	3 3.1	2 4.0	—	—	10	18 3.2	17 3.0	—	—	—	—	—	—
06	4 4.2	3 3.4	—	—	—	—	14					12	11 3.8	10 4.3	—	—	—	—	—	—
12	3 3.8	3 4.3	—	—	—	—	00	3 3.3	1 3.1	—	—	18	8 4.2	8 3.8	—	—	—	—	—	—
18	4 4.7	3 4.8	—	—	—	—	06	3 3.8	2 2.8	—	—	16								
12							12	2 3.8	1 3.7	—	—	00	5 3.4	6 3.2	—	—	—	—	—	—
00	4 4.8	3 5.0	—	—	—	—	18	4 3.9	4 4.4	2 2.0	—	06	2 3.3	2 2.6	—	—	—	—	—	—
06	3 4.9	3 4.5	—	—	—	—	15					12	1 3.6	1 3.1	—	—	—	—	—	—
12	2 4.7	3 4.8	—	—	—	—	00	4 3.7	3 3.1	4 2.1	—	18	— 4.2	—	—	—	—	—	—	—
18	4 4.1	3 4.5	—	—	—	—	02	6 3.0	6 3.3	—	—									

Onahama.

Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		Date & Time	N~S		E~W		U~D			
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$
Sep. 10							Sep. 12					Sep. 14								
06h	8 0.9	6 0.8	3 1.8	—	—	—	00h	5 0.8	5 0.9	—	—	00h	4 0.9	3 0.8	—	—	—	—	—	—
12	7 0.8	5 0.9	3 1.7	—	—	—	06	8 0.8	4 0.8	—	—	06	4 0.8	3 1.1	2 1.4	—	—	—	—	—
18	8 1.1	8 1.0	2 1.5	—	—	—	12	7 1.0	6 0.9	—	—	12	7 1.1	4 1.1	3 1.5	—	—	—	—	—
11							18	3 0.7	3 0.8	—	—	18	4 0.6	3 0.8	3 1.3	—	—	—	—	—
00	7 1.0	7 1.1	—	—	—	—	13					15								
06	8 1.1	6 1.1	—	—	—	—	00	4 0.6	4 0.6	—	—	00	7 0.7	4 1.0	—	—	—	—	—	—
12	4 0.7	7 0.7	—	—	—	—	06	3 0.3	4 0.5	—	—	06	5 0.6	4 0.6	—	—	—	—	—	—
18	6 1.0	5 0.9	—	—	—	—	12	5 0.7	6 0.7	—	—	12	—	—	—	—	—	—	—	—
							18	7 0.8	6 1.1	—	—									

Tokyo

Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		Date & Time	N~S		E~W		U~D			
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$
Sep. 8							Sep. 11					Sep. 14								
00h	5 3.1	3 2.9	—	—	—	—	00h	10 5.3	11 4.5	4 4.0	—	00m	2 4.1	2 4.1	2 3.6	—	—	—	—	—
06	3 3.1	3 2.9	—	—	—	—	06	8 4.8	9 4.8	4 3.2	—	06	4 4.3	2 3.5	4 3.4	—	—	—	—	—
12	3 3.8	3 3.4	—	—	—	—	12	10 4.9	17 5.8	6 3.7	—	12	2 3.8	5 4.0	2 3.7	—	—	—	—	—
18	3 2.7	3 3.1	—	—	—	—	18	16 6.0	18 5.5	4 3.9	—	18	2 4.4	2 4.0	4 3.8	—	—	—	—	—
9							12					15								
00	4 3.5	3 3.2	4 3.7	—	—	—	00	14 5.5	16 5.6	—	—	00	2 3.9	2 3.9	2 4.3	—	—	—	—	—
06	6 3.9	4 3.8	4 3.5	—	—	—	06	11 5.2	10 5.3	—	—	06	2 4.0	2 3.8	2 3.7	—	—	—	—	—
12	6 4.5	5 4.7	—	—	—	—	12	9 5.0	9 5.3	2 3.8	—	12	1 3.6	2 3.5	—	—	—	—	—	—
18	6 4.4	3 4.4	2 3.3	—	—	—	18	7 5.0	7 5.0	4 3.9	—	18	1 3.7	1 3.3	—	—	—	—	—	—
10							13					16								
00	5 3.7	6 4.6	2 3.0	—	—	—	01.30	4 4.3	4 4.4	—	—	00	1 4.2	2 3.7	—	—	—	—	—	—
06	7 4.1	7 4.3	—	—	—	—	06	3 3.8	6 4.5	4 3.8	—									
12	7 4.4	8 5.2	4 3.7	—	—	—	12	6 4.7	5 4.8	2 3.7	—									
18	8 4.9	11 5.6	4 3.6	—	—	—	18	4 4.3	3 4.3	4 3.7	—									

Tab. 3.1.5. Kezia, Sep., 1950.

Tomisaki																					
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ
Sep. 8							Sep. 11							Sep. 13							
18h	4	2.3	3	2.8	—	—	06h	9	5.3	—	—	—	—	08h	13	4.4	—	—	—	—	—
9							08	10	5.1	—	—	—	—	10	11	4.2	—	—	—	—	—
00	5	3.7	4	3.5	—	—	10	12	5.2	—	—	—	—	12	12	4.7	—	—	—	—	—
06	5	3.8	—	—	—	—	12	11	5.5	—	—	—	—	14	12	4.9	—	—	—	—	—
09	5	4.4	—	—	—	—	14	9	5.4	—	—	—	—	16	11	4.3	—	—	—	—	—
12	3	4.1	—	—	—	—	16	9	5.1	—	—	—	—	18	11	3.9	—	—	—	—	—
15	7	5.4	—	—	—	—	18	10	5.5	—	—	—	—	20	9	4.0	—	—	—	—	—
18	7	4.5	—	—	—	—	20	14	5.5	—	—	—	—	22	10	3.7	—	—	—	—	—
20	9	4.0	—	—	—	—	22	13	5.0	—	—	—	—								
10							12							14							
22	10	4.4	—	—	—	—	00	12	4.9	—	—	—	—	00	8	4.3	—	—	—	—	—
00	9	4.2	—	—	—	—	02	10	4.9	—	—	—	—	02	10	4.4	—	—	—	—	—
02	8	4.3	—	—	—	—	04	11	5.4	—	—	—	—	04	9	4.3	—	—	—	—	—
04	7	4.8	—	—	—	—	06	—	—	—	—	—	—	06	11	3.9	—	—	—	—	—
06	8	4.4	—	—	—	—	08	11	4.8	—	—	—	—	08	11	4.3	—	—	—	—	—
08	7	3.9	—	—	—	—	10	10	4.8	—	—	—	—	10	10	4.5	—	—	—	—	—
10	9	4.2	—	—	—	—	12	12	5.3	—	—	—	—	12	8	3.8	—	—	—	—	—
12	9	4.8	—	—	—	—	14	12	4.6	—	—	—	—	14	11	4.3	—	—	—	—	—
14	9	4.5	—	—	—	—	16	10	4.4	—	—	—	—	16	10	4.3	—	—	—	—	—
16	10	4.8	—	—	—	—	18	11	4.1	—	—	—	—	18	8	4.3	—	—	—	—	—
18	10	4.0	—	—	—	—	20	11	4.4	—	—	—	—	15							
20	8	4.8	1	5.1	—	—	22	10	3.9	—	—	—	—	00	7	3.9	—	—	—	—	—
22	8	4.4	1	5.1	—	—	13						06	4	4.2	—	—	—	—	—	—
11							00	12	4.1	—	—	—	—	12	6	4.1	—	—	—	—	—
00	9	4.7	1	4.8	—	—	02	12	4.3	—	—	—	—	18	7	4.2	—	—	—	—	—
02	8	4.6	1	4.2	—	—	04	11	3.9	—	—	—	—	16							
04	9	5.6	0	4.6	—	—	06	12	4.7	—	—	—	—	00	4	4.7	—	—	—	—	—

Osaka

Sep. 11						Sep. 13				Sep. 14											
12h	20	4.6	12	4.7	—	—	10h	41	5.2	29	5.3	8	3.7	10h	44	4.7	39	4.2	24	2.4	
18	24	5.3	14	4.7	—	—	12	40	4.9	32	4.7	5	3.2	12	38	4.2	31	3.3	32	2.1	
12							14	43	4.8	40	4.6	5	3.3	14	32	4.1	33	3.8	19	2.2	
00	23	4.8	18	4.6	3	2.1	16	48	4.7	33	5.1	5	4.3	16	25	4.1	24	3.8	14	2.1	
06	20	4.9	14	4.6	7	2.4	18	49	5.2	30	5.0	5	3.6	18	18	4.2	22	3.6	11	2.1	
12	28	5.4	15	4.8	7	2.3	20	47	4.9	31	5.5	5	3.6	20	19	4.2	11	4.2	—	—	
18	28	5.0	22	5.1	7	2.1	22	48	5.1	37	5.1	5	3.0	22	18	4.2	12	4.0	4	1.9	
13							14							15							
00	33	5.2	22	5.0	7	2.6	00	43	5.1	34	4.7	5	2.8	00	12	4.3	11	3.9	3	2.1	
02	39	5.1	31	5.1	4	2.9	02	51	5.4	38	5.1	5	3.1	02	13	4.2	9	4.2	—	—	
04	38	5.3	29	4.9	4	2.6	04	33	4.9	38	4.8	8	2.0	04	12	4.2	9	3.8	—	—	
06	45	5.2	30	4.0	21	2.1	06	31	4.2	34	4.7	11	2.1	06	9	4.3	8	4.0	—	—	
08	47	5.4	37	5.3	6	2.8	08	38	4.4	39	4.5	18	2.1	08	9	4.3	6	4.3	—	—	

Kochi

Sep. 11						Sep. 13				Sep. 13										
12h	2	4.6	2	5.2	—	—	00h	6	5.9	6	5.1	—	—	20h	14	5.2	4	4.3	—	—
18	2	5.3	6	5.5	—	—	06	4	4.6	6	5.0	—	—	22	10	5.5	6	4.2	—	—
12							12	12	5.5	4	4.8	—	—	13						
00	6	5.8	6	5.2	—	—	14	16	5.5	6	4.5	—	—	00	6	4.7	4	4.8	—	—
12	4	5.2	4	4.3	—	—	16	18	5.8	8	5.6	—	—	02	8	5.7	4	4.5	—	—
18	2	4.8	6	5.1	—	—	18	14	5.2	6	4.6	—	—	04	6	4.9	4	4.5	—	—
														06	6	4.6	4	4.9	—	—

Tab. 3.1.5. Kezia, Sep., 1950.

Fukuoka																				
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D	
	A μ	T _{sec}	A μ	T _{sec}	A μ	T _{sec}		A μ	T _{sec}	A μ	T _{sec}	A μ	T _{sec}		A μ	T _{sec}	A μ	T _{sec}	A μ	T _{sec}
Sep. 13							Sep. 13							Sep. 14						
00h	2	1.9	2	3.5	—	—	20h	3	2.0	5	3.5	—	—	06h	5	3.0	4	2.5	3	1.9
06	1	2.8	3	3.9	—	—	22	4	2.6	6	3.6	—	—	08	6	2.6	5	3.2	—	—
12	3	2.2	2	3.2	—	—	14							10	6	2.8	5	3.0	—	—
14	3	2.3	6	4.2	—	—	00	4	2.6	4	3.5	1	1.9	12	4	2.7	3	3.0	—	—
16	3	2.3	6	4.1	—	—	02	3	2.5	2	3.2	—	—	18	2	2.3	2	3.5	—	—
18	4	2.5	6	3.9	1	1.9	04	3	2.1	3	2.3	3	1.9	20	1	2.2	2	3.4	—	—

Miyazaki																				
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D	
	A μ	T _{sec}	A μ	T _{sec}	A μ	T _{sec}		A μ	T _{sec}	A μ	T _{sec}	A μ	T _{sec}		A μ	T _{sec}	A μ	T _{sec}	A μ	T _{sec}
Sep. 12							Sep. 13							Sep. 14						
00h	8	3.5	7	3.1	—	—	06h	27	5.4	18	5.4	—	—	18h	50	5.3	33	5.5	—	—
06	10	2.7	8	2.7	—	—	08	24	4.5	33	6.2	—	—	14						
12	11	2.7	8	2.6	—	—	10	31	4.8	46	6.7	—	—	00	14	4.2	12	4.5	—	—
18	13	2.7	12	3.2	—	—	12	47	5.1	40	5.9	—	—	06	6	3.6	4	3.2	—	—
13							14	47	4.9	40	5.9	—	—							
00	18	4.3	11	4.0	—	—	16	45	5.2	40	5.9	—	—							

Tab. 3.1.6. Microseisms due to cyclone, Apr., 1951.

Mito																				
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D	
	A μ	T _{sec}	A μ	T _{sec}	A μ	T _{sec}		A μ	T _{sec}	A μ	T _{sec}	A μ	T _{sec}		A μ	T _{sec}	A μ	T _{sec}	A μ	T _{sec}
Apr. 11							Apr. 12							Apr. 14						
12h	—	—	3	2.2	—	—	12h	20	3.8	17	3.5	—	—	12h	9	4.1	17	4.3	—	—
14	—	—	—	—	—	—	14	22	4.4	22	4.2	—	—	14	9	4.0	18	4.5	—	—
16	—	—	—	—	—	—	16	31	5.0	20	4.2	—	—	16	10	4.1	11	3.9	—	—
18	—	—	7	2.4	—	—	18	23	4.7	24	4.7	—	—	18	10	4.2	13	4.3	—	—
20	—	—	—	—	—	—	20	22	4.7	22	4.4	—	—	20	11	4.2	12	4.0	—	—
22	—	—	—	—	—	—	22	23	4.8	26	4.5	—	—	22	8	3.8	8	4.3	—	—
12							13							14						
00	10	3.2	9	3.1	—	—	00	14	4.4	17	4.3	—	—	00	7	3.9	8	4.5	—	—
02	—	—	—	—	—	—	02	16	4.8	18	4.2	—	—	02	—	—	—	—	—	—
04	—	—	—	—	—	—	04	21	5.0	20	4.7	—	—	04	—	—	—	—	—	—
06	12	3.5	9	3.5	—	—	06	22	4.7	24	4.6	—	—	06	—	—	5	3.7	—	—
08	13	3.2	10	3.4	—	—	08	23	4.5	24	4.7	—	—	08	—	—	—	—	—	—
10	16	3.1	16	3.7	—	—	10	—	—	—	—	—	—	—	—	—	—	—	—	—

Tokyo																				
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D	
	A μ	T _{sec}	A μ	T _{sec}	A μ	T _{sec}		A μ	T _{sec}	A μ	T _{sec}	A μ	T _{sec}		A μ	T _{sec}	A μ	T _{sec}	A μ	T _{sec}
Apr. 10							Apr. 11							Apr. 11						
12h	—	—	—	—	—	—	01h	—	—	—	—	—	—	15h	5	3.2	5	3.0	4	3.2
13	—	—	—	—	—	—	02	—	—	—	—	—	—	16	—	—	—	—	—	—
14	—	—	—	—	—	—	03	—	—	—	—	—	—	17	—	—	—	—	—	—
15	—	—	—	—	—	—	04	—	—	—	—	—	—	18	8	3.5	8	3.2	9	3.7
16	—	—	—	—	—	—	05	—	—	—	—	—	—	19	—	—	—	—	—	—
17	—	—	—	—	—	—	06	2	2.8	2	3.0	—	—	20	—	—	—	—	—	—
18	4	4.0	4	3.3	10	3.5	07	—	—	—	—	—	21	8	3.5	—	—	10	3.7	
19	—	—	—	—	—	—	08	—	—	—	—	—	22	—	—	8	3.5	—	—	
20	—	—	—	—	—	—	09	—	—	—	—	—	23	—	—	—	—	—	—	
21	—	—	—	—	—	—	10	—	—	—	—	—	12							
22	—	—	—	—	—	—	11	—	—	—	—	—	00	13	4.0	15	4.3	11	3.7	
23	—	—	—	—	—	—	12	2	3.0	—	—	2	3.0	01	—	—	—	—	—	
11							13	—	—	4	3.0	—	—	02	18	3.9	18	4.0	18	4.5
00	1	3.1	2	3.5	1	3.8	14	—	—	—	—	—	—	03	—	—	—	—	—	

Tab. 3.1.6. Microseisms due to cyclone, Apr., 1951.

Tokyo																									
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D						
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$			
Apr. 12							Apr. 13					Apr. 13													
04h	22	4.0	25	4.0	—	—	01h	—	—	—	—	23h	—	—	—	—									
05	—	—	—	—	—	—	02	50	5.0	22	4.0	24	3.9	14	—	—	—	—							
06	25	4.4	17	4.2	—	—	03	—	—	—	—	00	8	4.1	12	4.2	—	—							
07	—	—	—	—	—	—	04	58	5.6	23	4.3	26	4.1	01	—	—	—	—	7	3.9					
08	19	3.8	23	4.0	15	3.8	05	—	—	—	—	02	—	—	—	—									
09	—	—	—	—	—	—	06	41	4.9	25	4.3	—	—	03	4	4.0	—	—	—	—					
10	15	4.0	22	4.0	14	4.0	07	—	—	—	—	04	—	—	—	—									
11	—	—	—	—	—	—	08	39	4.5	17	4.5	—	—	05	—	—	—	—							
12	23	3.6	22	3.4	22	4.4	09	—	—	—	—	06	6	4.2	7	4.0	—	—							
13	—	—	—	—	—	—	10	26	4.5	16	4.4	—	—	07	—	—	—	—							
14	34	4.2	38	4.2	22	3.9	11	—	—	—	—	08	—	—	—	—					6	3.8			
15	—	—	—	—	—	—	12	30	4.4	—	—	—	09	—	—	—	—								
16	44	4.4	22	4.6	28	4.1	13	—	—	—	—	10	11	4.9	10	4.6	—	—							
17	—	—	—	—	—	—	14	28	4.7	42	4.6	20	4.3	11	—	—	—	—				4	3.8		
18	55	4.4	37	4.3	40	4.2	15	—	—	—	—	12	—	—	—	—									
19	66	4.3	—	—	58	3.9	16	22	4.3	25	4.3	—	—	13	—	—	—	—							
20	62	4.4	43	4.1	69	4.0	17	—	—	—	—	14	8	4.5	8	4.4	4	3.2							
21	—	—	—	—	—	—	18	21	4.4	29	4.6	16	4.2	15	—	—	—	—							
22	48	4.0	34	4.1	54	4.2	19	—	—	—	—	16	—	—	—	—									
23	—	—	—	—	—	—	20	14	4.1	24	4.5	—	—	17	—	—	—	—							
13							21	—	—	—	—	18	9	4.9	10	4.9	—	—							
00	54	4.6	36	4.5	36	4.2	22	10	4.6	15	4.1	—	—												

Tomisaki																										
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D							
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$				
Apr. 10							Apr. 11					Apr. 12														
12h	7	3.9	—	—	—	—	13h	—	—	—	—	14h	58	4.7	—	—	9	4.2								
13	—	—	—	—	—	—	14	—	—	—	—	15	—	—	—	—										
14	—	—	—	—	—	—	15	9	3.6	8	2.4	2	1.7	16	51	5.0	—	—	14	4.6						
15	—	—	—	—	—	—	16	—	—	—	—	17	73	5.0	92	4.8	—	—								
16	—	—	—	—	—	—	17	—	—	—	—	18	64	4.7	66	4.3	16	4.6								
17	—	—	—	—	—	—	18	13	2.5	11	2.8	6	2.2	19	—	—	—	—								
18	3	3.4	4	3.9	—	—	19	—	—	—	—	20	75	4.4	72	4.5	13	4.4								
19	—	—	—	—	—	—	20	—	—	—	—	21	—	—	—	—										
20	—	—	—	—	—	—	21	13	3.4	17	2.8	9	2.4	22	49	4.5	61	4.3	12	4.4						
21	—	—	—	—	—	—	22	—	—	—	—	23	—	—	—	—										
22	—	—	—	—	—	—	23	—	—	—	—	13														
23	—	—	—	—	—	—	12					00	35	4.7	42	4.5	—	—								
11							00	21	2.9	18	2.9	13	2.3	01	—	—	—	—								
00	—	—	—	—	—	—	01	—	—	—	—	02	37	4.6	48	4.7	—	—								
01	—	—	—	—	—	—	02	—	—	—	—	03	—	—	—	—										
02	—	—	—	—	—	—	03	—	—	—	—	04	37	4.6	34	4.4	—	—								
03	—	—	—	—	—	—	04	—	—	—	—	05	—	—	—	—										
04	—	—	—	—	—	—	05	—	—	—	—	06	42	4.5	26	4.5	—	—								
05	—	—	—	—	—	—	06	17	4.7	28	4.2	—	—	07	—	—	—	—								
06	2	2.1	1	1.9	—	—	07	—	—	—	—	08	23	4.5	—	—	—	—								
07	—	—	—	—	—	—	08	16	4.4	24	3.7	—	—	09	—	—	—	—								
08	—	—	—	—	—	—	09	—	—	—	—	10	24	4.5	—	—	—	—								
09	—	—	—	—	—	—	10	18	4.2	21	3.8	7	2.6	11	—	—	—	—								
10	—	—	—	—	—	—	11	—	—	—	—	12	16	4.6	—	—	—	—								
11	—	—	—	—	—	—	12	23	4.1	—	—	5	3.9	13	—	—	—	—								
12	7	2.4	7	1.9	4	1.8	13	—	—	—	—	14	14	4.2	—	—	—	—								

Tab. 3.1.6. Microseisms due to cyclone, Apr., 1951.

Tomisaki																					
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ
Apr. 13							Apr. 13						Apr. 14								
15h	—	—	—	—	—	—	21h	—	—	—	—	—	02h	—	—	—	—	—	—	—	—
16	12	4.4	10	4.2	—	—	22	—	—	—	—	—	03	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	23	—	—	—	—	—	04	—	—	—	—	—	—	—	—
18	13	4.8	11	4.2	—	—						05	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	14	10	4.2	9	4.0	—	—	06	5	4.7	5	3.7	—	—	—
20	11	4.3	12	4.4	—	—	01	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Matsushiro

Matsushiro																					
Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		Date & Time	N~S		E~W		U~D		
	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$		A μ	T $_{sec}$	A μ	T $_{sec}$	A μ	T $_{sec}$	A μ
Apr. 10h							Apr. 12h						Apr. 13h								
23h	—	—	—	—	—	—	01h	—	—	—	—	—	04h	—	—	—	—	—	—	—	1 5.3
11							02	—	—	—	—	—	05	—	—	—	—	—	—	—	—
00	—	—	—	—	—	—	03	—	—	—	—	—	06	—	—	—	—	—	—	—	2 5.4
01	—	—	—	—	—	—	04	—	—	—	—	—	07	—	—	—	—	—	—	—	—
02	—	—	—	—	—	—	05	—	—	—	—	—	08	—	—	—	—	—	—	—	1 5.8
03	—	—	—	—	—	—	06	—	—	—	1 5.1	—	09	—	—	—	—	—	—	—	—
04	—	—	—	—	—	—	07	—	—	—	—	—	10	—	—	—	—	—	—	—	1 5.7
05	—	—	—	—	—	—	08	—	—	—	—	—	11	—	—	—	—	—	—	—	—
06	—	—	—	—	—	—	09	—	—	—	—	—	12	—	—	—	—	—	—	—	1 5.7
07	—	—	—	—	—	—	10	—	—	—	—	—	13	—	—	—	—	—	—	—	—
08	—	—	—	—	—	—	11	—	—	—	—	—	14	—	—	—	—	—	—	—	1 6.0
09	—	—	—	—	—	—	12	—	—	—	1 4.8	—	15	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	13	—	—	—	—	—	16	—	—	—	—	—	—	—	1 6.3
11	—	—	—	—	—	0 4.7	14	—	—	—	1 4.9	—	17	—	—	—	—	—	—	—	—
12	—	—	—	—	—	0 4.8	15	—	—	—	—	—	18	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	16	—	—	—	2 5.2	—	19	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	17	—	—	—	—	—	20	—	—	—	—	—	—	—	—
15	—	—	—	—	—	1 5.0	18	—	—	—	2 5.4	—	21	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	19	—	—	—	—	—	22	—	—	—	—	—	—	—	1 6.6
17	—	—	—	—	—	—	20	—	—	—	2 5.5	—	23	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	21	—	—	—	—	—	14	—	—	—	—	—	—	—	—
19	—	—	—	—	—	1 5.1	22	—	—	—	2 5.7	—	00	—	—	—	—	—	—	—	1 6.2
20	—	—	—	—	—	—	23	—	—	—	—	—	01	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—					—	—	02	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	13	00	—	—	2 5.3	—	03	—	—	—	—	—	—	—	1 6.6
23	—	—	—	—	—	—	01	—	—	—	—	—	04	—	—	—	—	—	—	—	—
12							02	—	—	—	2 5.3	—	05	—	—	—	—	—	—	—	—
00	—	—	—	—	—	1 5.1	03	—	—	—	—	—	06	—	—	—	—	—	—	—	1 6.3

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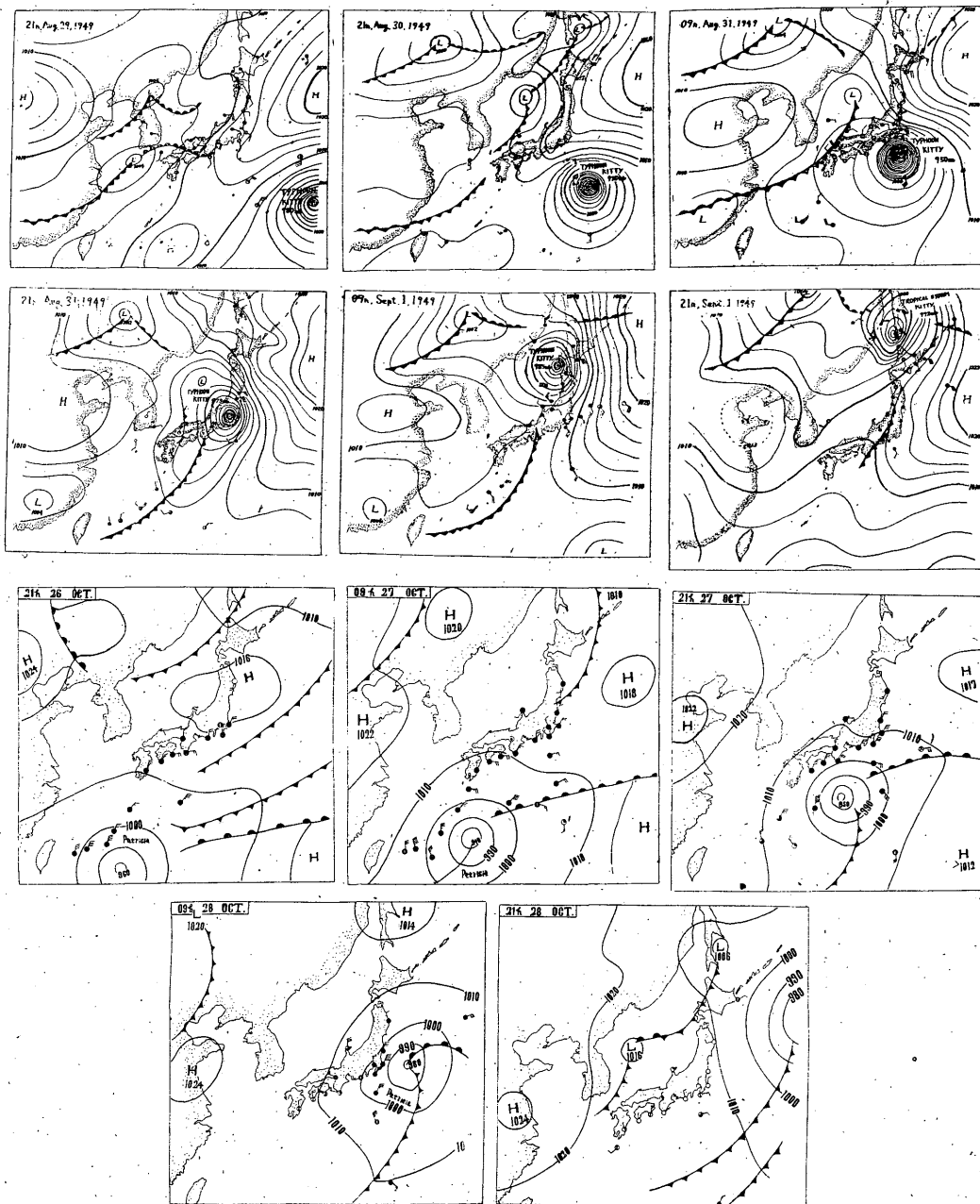


Fig. 1. (Upper 6 plates). Kitty, Aug.~Sep., 1949.

Fig. 2. (Lower 5 Plates). Patricia, Oct., 1949.

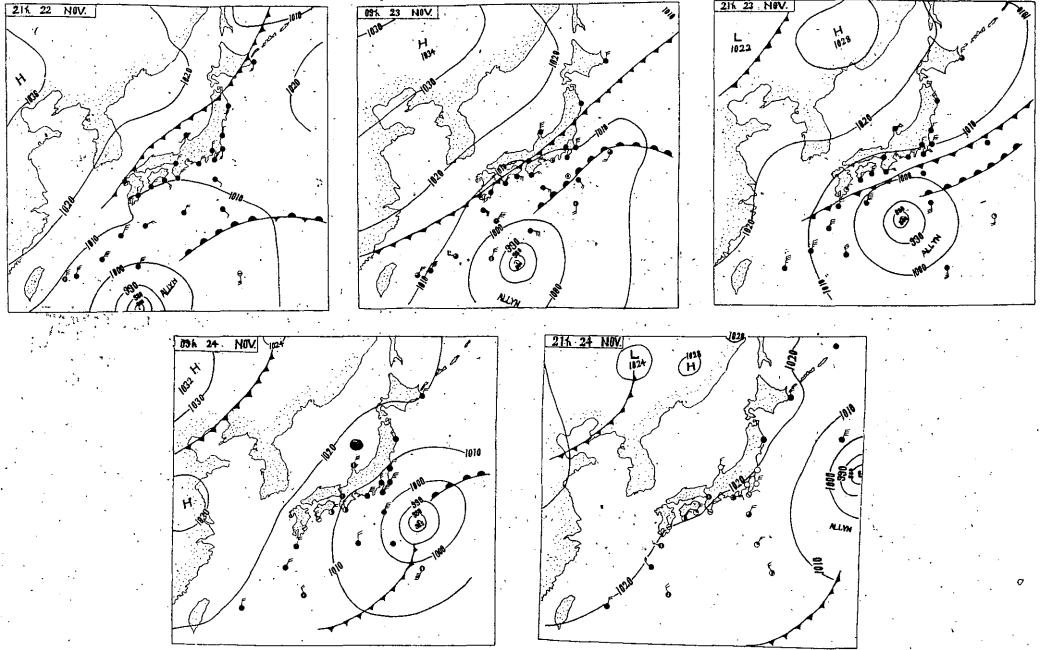


Fig. 3. Allyn, Nov., 1949.

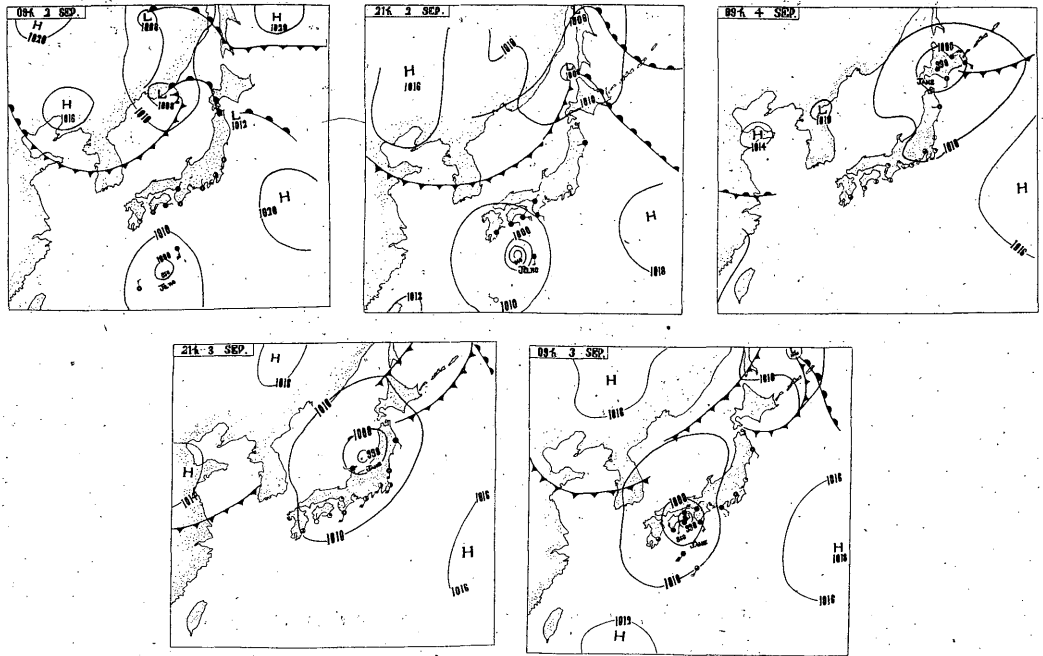


Fig. 4. Jane, Sep., 1950.

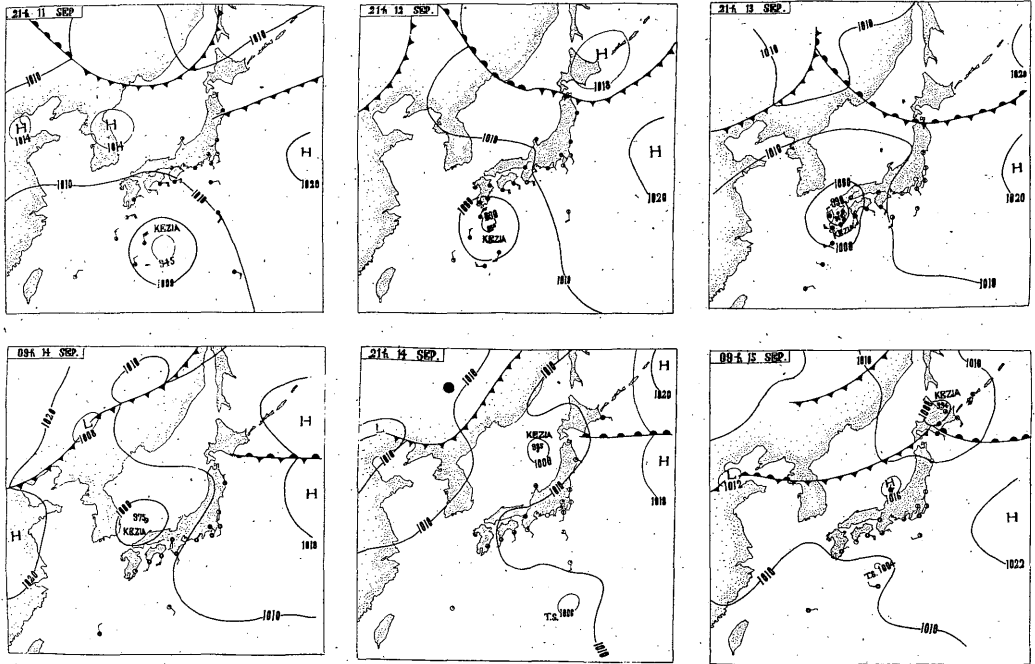


Fig. 5. Kezia, Sep., 1950.