DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

DIGITAL RECORDINGS OF AFTERSHOCKS OF THE 17 OCTOBER 1989 LOMA PRIETA, CALIFORNIA, EARTHQUAKE

OPEN-FILE REPORT 90-503

Menlo Park, California
July 1990

DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

Digital Recordings of Aftershocks of the 17 October 1989 Loma Prieta, California, Earthquake

by
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Open-File Report 90-503

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Menlo Park, California 94025

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Figures, Tables, and Appendices

Figure 1: Station map - all stations . . . . . p 8

Figure 2: Station map - south subregion . . . . . p 9

Figure 3: Station map - south-central subregion . . . . . p 10

Figure 4: Station map - north-central subregion . . . . . p 11

Figure 5: Station map - north subregion . . . . . p 12

Figure 6: Station map - San Francisco area . . . . . p 13

Figure 7: Station map - Marina area . . . . . p 14

Figure 8: Station map - small arrays at Agnews, Duveneck, Robinwood, Stanford . . . . . p 15

Figure 9: Seismicity map . . . . . p 16

Table 1: Waveform record tables - description and example . . . . . p 17

1a: Records listed by time and station (all events) . . . . . p 18

1b: Records listed by time and station (events recorded at five-or-more sites) . . . . p 66

Table 2: Station locations . . . . . p 70

Table 3: GEOS parameters for typical deployment and sensor parameters . . . . . p 72

Table 4: Station-instrument histories . . . . . p 73

Table 5: GEOS clock errors . . . . . p 91

Table 6: Masterclock clock errors . . . . . p 109

Table 7: Tapes . . . . . p 111

Appendix A: Hypocenter listing, sorted by time . . . . . p 120

Appendix B: Hypocenter listing, sorted by location . . . . . p 130

Appendix C: Sample file reformatted to ASCII . . . . . p 140

MAL

Lat = 37.555°, Lon = -122.248°, Elv = 1 m
Maley Residence, 335 Menhaden Ct, Foster City
Yard behind detached wood-frame house - FBA on concrete pad, L22 buried in soil
Co-sited: USGS #1515 smr

		- - - Channel 1,2,3 - - -			- - - Channel 4,5,6 - - -		
Time (UTC)	GEOS	Sensor	Gain	Orientation	Sensor	Gain	Orientation
306 21:40 - 321 19:35	46	FBA 19	18	U,000,090	L22 185	42	U,000,090

MAS

Lat = 37.80755°, Lon = -122.42695°, Elv = 30 m
Fort Mason, San Francisco
Abandoned ammunition bunker - sensors on concrete floor

		- - - Channel 1,2,3 - - -			- - - Channel 4,5,6 - - -		
Time (UTC)	GEOS	Sensor	Gain	Orientation	Sensor	Gain	Orientation
292 21:15 - 303 23:00	23	FBA 11	18	U,000,090?	L22 305	48	U,000,090?
303 23:10 - 311 22:15	10	"	"	"	"	"	"

MA2

Lat = 37.8076°, Lon = -122.4270°, Elv = 30 m
Fort Mason, San Francisco
See MAS - FBA and L22 moved 10 m northwest to different room in bunker , on concrete floor

		- - - Channel 1,2,3 - - -			- - - Channel 4,5,6 - - -		
Time (UTC)	GEOS	Sensor	Gain	Orientation	Sensor	Gain	Orientation
311 22:20 - 333 19:40	10	FBA 11	18	U,005,095	L22 305	48	U,005,095
333 19:45 - 349 19:35	14	-	-	-	"	42	"
349 19:40 - 005 21:25	"	-	-	-	"	48	"

MDC

Lat = 37.5158°, Lon = -122.0452°, Elv = 1 m
Master Dynamics Corporation, 8484 Central Ave, Newark
1-story factory building - sensors on concrete floor

		- - - Channel 1,2,3 - - -			- - - Channel 4,5,6 - - -		
Time (UTC)	GEOS	Sensor	Gain	Orientation	Sensor	Gain	Orientation
321 22:20 - 326 22:55	46	FBA	18	U,000,090	L22	42	U,000,090
326 23:00 - 327 19:05	"	"	"	"	"	36	"
327 19:10 - 331 19:30	"	"	"	"	"	42	"

MON

Lat = 36.5970°, Lon = -121.8969°, Elv = 18 m
City Hall, 570 Pacific Ave, Monterey
1-story building, basement - sensors on concrete pier
Co-sited: CSMIP #47377 smr

		- - - Channel 1,2,3 - - -			- - - Channel 4,5,6 - - -		
Time (UTC)	GEOS	Sensor	Gain	Orientation	Sensor	Gain	Orientation
300 19:30 - 305 22:50	13	FBA	12	U,000,090	L22 374	42	U,000,090
305 22:50 - 025 20:40	"	"	"	"	"	48	"
025 21:00 - 030 00:25	38	-	-	-	"	"	"
030 00:25 - 048 00:10	"	L4	48	U,270,000	"	"	"
		Ch1: 5771					
		Ch2: 5700 or 5686					
		Ch3: 5700 or 5686					

NPT

Lat = 37.80308°, Lon = -122.44300°, Elv = 3 m
Residence, 2226 North Point St, San Francisco
Yard behind 3-story attached wood-frame house - sensors buried in soil

		- - - Channel 1,2,3 - - -			- - - Channel 4,5,6 - - -		
Time (UTC)	GEOS	Sensor	Gain	Orientation	Sensor	Gain	Orientation
291 22:15 - 300 19:05	20	FBA	18	U,017,107?	L22	36	U,017,107?
300 19:10 - 306 18:40	"	"	"	"	"	42	"

OAB

Lat = 37.821°, Lon = -122.328°, Elv = 3 m
Oakland Army Base, End of Burma Rd near SF Bay, Oakland
Sensors buried in soil

		- - - Channel 1,2,3 - - -			- - - Channel 4,5,6 - - -		
Time (UTC)	GEOS	Sensor	Gain	Orientation	Sensor	Gain	Orientation
291 18:05 - 297 21:00	28	FBA 34	18	U,080,170	L22 194	36	U,080,170

PKT

Lat = 37.3386°, Lon = -121.8878°, Elv = 26 m
Town Park Tower Building, 3rd & Santa Clara, San Jose
Yard north of 10-story apartment building - sensors buried in soil 4 m from building
Co-sited: 50 m north of CSMIP #57356 smr

		- - - Channel 1,2,3 - - -			- - - Channel 4,5,6 - - -		
Time (UTC)	GEOS	Sensor	Gain	Orientation	Sensor	Gain	Orientation
292 21:45 - 295 20:35	6	FBA	18	U,000,090	L22	30	U,000,090

POR

Lat = 37.535°, Lon = -121.929°, Elv = 90 m
Porcella residence, 765 Emerson Ct, Fremont
Detached wood-frame house, north corner of 8x8-m garage - sensors on concrete floor
Co-sited: USGS #1686 smr

		- - - Channel 1,2,3 - - -			- - - Channel 4,5,6 - - -		
Time (UTC)	GEOS	Sensor	Gain	Orientation	Sensor	Gain	Orientation
291 17:25 - 297 16:50*	35	FBA	6	U,000,090	L22	48	U,000,090
297 16:50* - 304 17:18+	"	"	"	"	"	36	"

PUB

Lat = 37.80434°, Lon = -122.43221°, Elv = 2 m
Pacific Union Company Building, 3640 Buchanan St, San Francisco
2-story brick building, northeast corner of basement - sensors on floor

		- - - Channel 1,2,3 - - -			- - - Channel 4,5,6 - - -		
Time (UTC)	GEOS	Sensor	Gain	Orientation	Sensor	Gain	Orientation
321 19:55 - 333 20:00	18	FBA	18	U,000,090?	L22	42	U,000,090?
340 20:40 - 025 20:50	9	"	"	"	"	"	"

PUC

Lat = 37.80412°, Lon = -122.43225°, Elv = 5 m
Pacific Union Company Building, 3640 Buchanan St, San Francisco
Abandoned concrete pond south of 2-story brick building - sensors in pond 15 m from building

		- - - Channel 1,2,3 - - -			- - - Channel 4,5,6 - - -		
Time (UTC)	GEOS	Sensor	Gain	Orientation	Sensor	Gain	Orientation
293 00:05 - 306 18:50	46	FBA	18	U,000,090?	L22	42	U,000,090?

RAV

Lat = 37.490°, Lon = -122.125°, Elv = 1 m
Ravenswood District, Menlo Park (near Hetch Hetchy aquaduct at SF Bay)
Hut on concrete pad - sensors on pad

		- - - Channel 1,2,3 - - -			- - - Channel 4,5,6 - - -		
Time (UTC)	GEOS	Sensor	Gain	Orientation	Sensor	Gain	Orientation
331 22:45 - 331 23:00	46	CMG5 7	24	U,000,090	L22	42	U,000,090
331 23:00 - 339 21:05	"	"	42		"	"	
339 22:30 - 341 19:05	11	CMG4[1] Ch1: 4016 Ch2: 4031 Ch3: 4032	6	U,000,090	CMG4[2] Ch4: 4016 Ch5: 4031 Ch6: 4032	36	U,000,090
341 19:35 - 347 19:05	"	HS10,CMG4[1] Ch1: 1 Ch2: 4031 Ch3: 4032	6	U,000,090	HS10,CMG4[2] Ch4: 1 Ch5: 4031 Ch6: 4032	42	U,000,090
348 20:20 - 353 19:25	"	HS10,CMG4[1]	6	U,000,090	HS10,CMG4[2]	36,42,42	U,000,090
353 19:50 - 046 17:55	"	CMG4[1] Ch1: 4017 Ch2: 4031 Ch3: 4032	6	U,000,090	CMG4[2] Ch4: 4017 Ch5: 4031 Ch6: 4032	42	U,000,090

[1] Pre-filter: 120-second low-cut + GEOS filter: shunt (dc coupled)
[2] Pre-filter: 120-second low-cut + GEOS filter: 10-second low-cut

RIN

Lat = 37.7860°, Lon = -122.3907°, Elv = 20 m
Union Oil Building, Fremont & Harrison, San Francisco
Multistory building, basement crawl space - FBA on concrete pad, L22 buried in soil
Co-sited: 25 m southwest of CSMIP #58151 smr

		- - - Channel 1,2,3 - - -			- - - Channel 4,5,6 - - -		
Time (UTC)	GEOS	Sensor	Gain	Orientation	Sensor	Gain	Orientation
291 17:20 - 298 21:20	42	FBA	18	U,017,107?	L22	36	U,017,107?

RI2

Lat = 37.7858°, Lon = -122.3909°, Elv = 20 m
Union Oil Building, Fremont & Harrison, San Francisco
See RIN - FBA and L22 moved 30 m south to room in south corner of basement, on concrete floor
Co-sited: 50 m southwest of CSMIP #58151 smr

		- - - Channel 1,2,3 - - -			- - - Channel 4,5,6 - - -		
Time (UTC)	GEOS	Sensor	Gain	Orientation	Sensor	Gain	Orientation
298 21:55 - 300 20:40*	25	FBA 27	18	U,000,090	L22 373	36	U,000,090
300 20:40* - 333 20:30	"	"	"	"	"	42	"

RUS

Lat = 37.7781°, Lon = -122.4060°, Elv = 4 m
Ketner residence, 151 Russ St, San Francisco
3-story attached wood-frame house, basement - sensors buried in soil

		- - - Channel 1,2,3 - - -			- - - Channel 4,5,6 - - -		
Time (UTC)	GEOS	Sensor	Gain	Orientation	Sensor	Gain	Orientation
297 19:35 - 310 19:30	9	FBA	18	U,000,090	L22	42	U,000,090

SAG

Lat = 36.7645°, Lon = -121.4456°, Elv = 310 m
San Andreas Geophysical Observatory (SAGO-Vault), rural San Benito County (Hollister Hills Recreation Area)
Yard near UCBerkeley instrument vault - sensors buried in soil 2 m outside vault entrance
Co-sited: USGS #1032 smr

		- - - Channel 1,2,3 - - -			- - - Channel 4,5,6 - - -		
Time (UTC)	GEOS	Sensor	Gain	Orientation	Sensor	Gain	Orientation
298 21:40 - 307 20:40	24	FBA	6	U,000,090	L22 377	36	U,000,090
307 20:50 - 312 18:30	"	"	12	"	"	"	"
312 18:30 - 317 23:20	"	"	6	"	"	"	"
319 18:30 - 328 22:45	6	"	"	"	"	"	"
337 23:05 - 017 23:05	7	"	12	"	"	42	"
017 23:30 - 043 21:00	36	L4	42	U,000,090?	"	"	"
		Ch1: 5785					
		Ch2: 5706					
		Ch3: 5704					

SAR

Lat = 37.2553°, Lon = -122.0311°, Elv = 160 m
Saratoga Union School District Office, Building #2, 14675 Aloha St, Saratoga
1-story wood-frame building - sensors on floor
Co-sited: CSMIP #58065 smr

		- - - Channel 1,2,3 - - -			- - - Channel 4,5,6 - - -		
Time (UTC)	GEOS	Sensor	Gain	Orientation	Sensor	Gain	Orientation
299 21:30 - 038 19:30	17	FBA 23469	6	U,000,090	L22 163	36	U,000,090
038 23:15 - 051 19:55	13	L4	48	U,180,270	"	48	"
		Ch1: ?					
		Ch2: ?					
		Ch3: ?					
051 20:00 - 051 20:25*	15	"	36	"	"	36	"
051 20:25* - 051 20:40	"	"	42	"	"	42	"

SBM

Lat = 37.692°, Lon = -122.453°, Elv = 100 m
Kiefer residence, 89 Royce Wy, Daly City (near San Bruno Mtn)
Yard behind detached wood-frame house - sensors on concrete pad

		- - - Channel 1,2,3 - - -			- - - Channel 4,5,6 - - -		
Time (UTC)	GEOS	Sensor	Gain	Orientation	Sensor	Gain	Orientation
310 23:05 - 340 19:30	32	FBA	18	U,000,090?	L22	42	U,000,090?

SF1

Lat = 37.6222°, Lon = -122.3980°, Elv = 2 m
Engineering Building, San Francisco International Airport
1-story building, closet at southwest end - sensors on concrete floor
Co-sited: CSMIP #58223 smr

		- - - Channel 1,2,3 - - -			- - - Channel 4,5,6 - - -		
Time (UTC)	GEOS	Sensor	Gain	Orientation	Sensor	Gain	Orientation
305 18:50 - 311 18:55	7	FBA	18	U,000,090	L22 156	42	U,000,090

SF2

Lat = 37.6388°, Lon = -122.3941°, Elv = 2 m
Overhaul Shop - Building 84, San Francisco International Airport
Pavement east of northeast corner of building - sensors on asphalt 25 m from building

		- - - Channel 1,2,3 - - -			- - - Channel 4,5,6 - - -		
Time (UTC)	GEOS	Sensor	Gain	Orientation	Sensor	Gain	Orientation
305 21:25 - 311 18:40	27	FBA	18	U,000,090	L22	42	U,000,090

"	321 23:44	SYNCH	WWVB	RL	Old standard = none
"	321 23:45	-004.0	"	RL	
"	321 23:49	-003.0	"	RL	
"	322 11:50	008.0	WWVB	RL	
"	322 23:51	020.0	WWVB	RL	
"	323 11:52	030.0	WWVB	RL	
"	324 11:54	057.0	WWVB	RL	
"	324 23:55	069.0	WWVB	RL	
"	325 11:57	079.0	WWVB	RL	
"	326 11:59	102.0	WWVB	RL	
"	327 00:00	107.0	WWVB	RL	
"	328 00:02	113.0	WWVB	RL	
"	328 12:03	117.0	WWVB	RL	
"	329 12:06	121.0	WWVB	RL	
"	330 12:08	112.0	WWVB	RL	
"	331 12:10	091.0	WWVB	RL	
"	332 00:11	082.0	WWVB	RL	
"	332 12:12	073.0	WWVB	RL	
"	333 12:14	068.0	WWVB	RL	
"	334 00:16	068.0	WWVB	RL	
"	334 12:17	071.0	WWVB	RL	
"	335 00:18	072.0	WWVB	RL	
"	336 00:20	079.0	WWVB	RL	
"	336 12:21	086.0	WWVB	RL	
"	337 00:22	092.0	WWVB	RL	
"	338 12:26	114.0	WWVB	RL	
"	339 00:27	122.0	WWVB	RL	
"	339 12:28	131.0	WWVB	RL	
"	340 00:29	140.0	WWVB	RL	
"	340 12:30	142.0	WWVB	RL	
"	341 00:31	142.0	WWVB	RL	
"	341 12:32	148.0	WWVB	RL	
"	342 00:34	156.0	WWVB	RL	
"	342 12:35	167.0	WWVB	RL	
"	343 00:36	177.0	WWVB	RL	
"	344 00:38	194.0	WWVB	RL	
"	344 12:39	196.0	WWVB	RL	
"	345 00:40	190.0	WWVB	RL	
"	345 12:42	182.0	WWVB	RL	
"	346 00:43	171.0	WWVB	RL	
"	346 12:44	164.0	WWVB	RL	
"	347 00:45	161.0	WWVB	RL	
"	347 12:46	156.0	WWVB	RL	
"	348 00:47	152.0	WWVB	RL	
"	348 12:48	154.0	WWVB	RL	
"	349 00:49	155.0	WWVB	RL	
"	350 00:52	163.0	WWVB	RL	
"	351 00:54	168.0	WWVB	RL	
"	352 00:56	169.0	WWVB	RL	
"	352 12:57	165.0	WWVB	RL	
"	353 00:58	156.0	WWVB	RL	
"	354 01:01	140.0	WWVB	RL	
"	354 13:02	133.0	WWVB	RL	
"	355 01:03	128.0	WWVB	RL	
"	355 13:04	127.0	WWVB	RL	
"	356 01:05	124.0	WWVB	RL	
"	356 13:06	125.0	WWVB	RL	
"	357 01:07	128.0	WWVB	RL	
"	358 01:10	137.0	WWVB	RL	
"	359 01:12	148.0	WWVB	RL	
"	359 13:13	158.0	WWVB	RL	
"	360 01:14	166.0	WWVB	RL	
"	360 13:15	179.0	WWVB	RL	

"	361 01:17	187.0	WWVB	RL	
"	361 13:18	197.0	WWVB	RL	
"	362 01:19	196.0	WWVB	RL	
"	362 13:20	191.0	WWVB	RL	
"	363 01:21	183.0	WWVB	RL	
"	363 13:22	173.0	WWVB	RL	
"	364 01:23	164.0	WWVB	RL	
"	364 13:24	160.0	WWVB	RL	
"	365 01:26	156.0	WWVB	RL	
"	365 13:27	158.0	WWVB	RL	
"	001 00:00	161			Leap
"	001 00:00	1161			Leap
"	001 01:28	1161.0	WWVB	RL	
"	001 13:29	1160.0	WWVB	RL	
"	002 01:30	1151.0	WWVB	RL	
"	002 13:31	1140.0	WWVB	RL	
"	003 01:32	1129.0	WWVB	RL	
"	003 13:34	1118.0	WWVB	RL	
"	004 01:35	1109.0	WWVB	RL	
"	005 01:37	1092.0	WWVB	RL	
"	005 13:38	1083.0	WWVB	RL	
"	006 01:39	1076.0	WWVB	RL	
"	007 01:41	1064.0	WWVB	RL	
"	007 13:42	1057.0	WWVB	RL	
"	?	SYNCH?		(RL)	?
"	008 13:31	-005.0	WWVB	RL	
"	009 01:32	-005.0	WWVB	RL	
"	010 01:34	-005.0	WWVB	RL	
"	010 13:35	001.0	WWVB	RL	
"	011 01:36	013.0	WWVB	RL	
"	011 13:37	026.0	WWVB	RL	
"	012 01:38	034.0	WWVB	RL	
"	013 01:41	027.0	WWVB	RL	
"	013 13:42	022.0	WWVB	RL	
"	?	SYNCH?		(RL)	?
"	024 02:06	-177.0	WWVB	RL	
"	024 14:07	-179.0	WWVB	RL	
"	025 02:08	-187.0	WWVB	RL	
"	025 14:09	-188.0	WWVB	RL	
"	026 02:10	-182.0	WWVB	RL	
"	026 14:11	-184.0	WWVB	RL	
"	?	SYNCH?		(RL)	?
"	029 00:42	189.0	WWVB	RL	
"	030 00:44	177.0	WWVB	RL	
"	030 12:45	168.0	WWVB	RL	
"	031 00:46	160.0	WWVB	RL	
"	031 12:47	151.0	WWVB	RL	
"	032 00:48	140.0	WWVB	RL	
"	033 00:50	117.0	WWVB	RL	
"	034 00:53	095.0	WWVB	RL	
"	034 12:54	086.0	WWVB	RL	
"	035 00:55	075.0	WWVB	RL	
"	035 12:56	064.0	WWVB	RL	
"	036 00:57	055.0	WWVB	RL	
"	036 12:58	040.0	WWVB	RL	
"	037 01:00	029.0	WWVB	RL	
"	037 13:01	020.0	WWVB	RL	
"	038 01:02	008.0	WWVB	RL	
"	038 13:03	-003.0	WWVB	RL	
"	041 21:01	?		(RL)	? Start - no synch?
"	042 00:29	SYNCH	WWVB	RL	Old standard = none
"	042 00:30	001.0	"	RL	
"	042 12:31	-001.0	WWVB	RL	

	"	043 00:33	003.0	WWVB	RL	
	"	043 05:59	SYNCH	WWVB	RL	Old standard = none
	"	043 06:02	002.0	WWVB	RL	
	"	043 06:02	SYNCH	"	RL	Old standard = WWVB
	"	043 06:03	-002.0	"	RL	
	"	043 19:37	-001.0	WWVB	RL	
	"	044 07:38	-010.0	WWVB	RL	
	"	044 19:40	-020.0	WWVB	RL	
	"	045 07:41	-035.0	WWVB	RL	
	"	046 05:36	SYNCH	WWVB	RL	Old standard = none
	"	046 05:38	-001.0	"	RL	
	"	046 17:39	-014.0	WWVB	RL	
	"	047 05:40	-024.0	WWVB	RL	
	"	074 18:15	-107.5	MC	FN	
BVF	24	291 22:34	SYNCH	WWVB	RL	Old standard = none
	"	291 22:38	-005.0	WWVB	RL	
	"	292 10:39	-011.0	WWVB	RL	
	"	292 18:10	-042.9	MC	FN	
	"	292 18:40	-042.0	MC	FN	
	"	292 18:45	-011.0	WWVB	RL	
	"	293 23:10	-059.6	MC	FN	
	"	293 23:21	-033.0	WWVB	RL	
	"	294 23:24	-052.0	WWVB	RL	
	"	295 11:25	-059.0	WWVB	RL	
	"	295 22:20	-094.4	MC	FN	
BV2	24	295 23:35	-094.4	MC	FN	
	"	297 11:47	-092.0	WWVB	RL	
	"	297 19:55	-121.7	MC	FN	
	"	297 23:48	-103.0	WWVB	RL	
	"	298 19:25	-139.5	MC08	FN	
	"	298 19:25	-140.0	"	RL	
	"	298 19:25	SYNCH	"	RL+FN	Old standard = WWVB
CAL	18	298 22:49	SYNCH	MC	RL	Old standard = none
	"	304 21:20	-137.2	MC06	FN	
	"	311 21:54	-286.1	MC	FN	
	"	311 21:54	-287.0	"	RL	
	"	311 21:54	SYNCH	"	RL+FN	Old standard = MC
	"	317 19:50	-140.2	MC	FN	
	"	321 18:50	-228.8	MC	FN	
CAP	35	305 20:43	SYNCH	MC	RL	Old standard = none
	"	309 01:15	-042.1	MC	FN	
	"	312 22:29	-091.0	MC	RL	
	"	312 22:29	SYNCH	MC	RL+FN	Old standard = MC
	"	321 01:00	-103.2	MC	FN	Rb -106.8
	"	324 21:30	-161.0	MC	FN	Rb -158.2
	"	329 04:31	-215.2	MC	FN	
	"	329 04:31	8026.0	"	RL	?
	"	329 04:31	SYNCH	"	RL+FN	Old standard = MC
	"	329 04:32	-7999.0	"	RL	?
	"	329 04:32	SYNCH	"	RL+FN	Old standard = MC
	"	348 23:35	SYNCH	MC	RL	Old standard = none
	"	355 19:25	-040.6	MC06	FN	
CCS	6	297 22:30	SYNCH	MC	RL	Old standard = none
	"	303 23:40	-018.6	MC08	FN	
	"	305 21:00	-035.2	MC08	FN	
	"	306 21:00	-044.8	MC05	FN	
CGC	3	312 20:59	SYNCH	MC	RL	Old standard = none
	"	313 19:00	005.2	MC06	FN	

	"	317 21:35	022.6	MC06	FN	
	"	325 21:20	057.2	MC10	FN	
	"	331 23:20	117.1	MC08	FN	
	"	339 19:30	170.1	MC10	FN	
	"	342 21:33	203.1	MC10	FN	
	"	342 21:33	203.0	"	RL	
	"	342 21:33	SYNCH	"	RL+FN	Old standard = MC
	"	345 18:25	022.6	MC11	FN	
CHB	38	291 19:24	SYNCH	MC	RL	Old standard = none
	"	296 21:05	000.9	MC	FN	
	"	299 22:20	001.8	MC06	FN	
	"	300 18:50	002.7	MC	FN	
CNT	23	003 00:04	SYNCH	MC	RL	Old standard = none
	"	010 19:00	054.2	MC11	FN	
COY	27	322 23:40	SYNCH	MC	RL	Old standard = none
	"	333 00:08	SYNCH	MC	RL+FN	Old standard = none
	"	346 18:55	-233.6	MC	FN	
	"	346 18:55	-234.0	"	RL	
	"	346 18:55	SYNCH	"	RL+FN	Old standard = MC
	"	353 19:00	-089.0	MC06	FN	
	"	353 19:00	SYNCH	"	RL+FN	Old standard = none
	"	361 23:55	-007.7	MC11	FN	
	"	001 00:00	-111			Leap
	"	001 00:00	889			Leap
	"	004 19:26	791.4	MC11	FN	
	"	004 19:26	SYNCH	MC	RL+FN	Old standard = none
	"	008 20:00	-062.9	MC11	FN	
CRA	7	311 21:10	SYNCH	MC	RL	Old standard = none
	"	312 23:35	-022.5	MC05	FN	
	"	320 21:45	-196.6	MC06	FN	
	"	321 19:10	-216.3	MC06	FN	
CRG	11	298 22:00	SYNCH	MC	(RL)	Old standard = none
	"	299 20:23	SYNCH	Manual	RL	Old standard = none
	"	300 21:32	1479.0	MC	RL	
	"	300 21:32	SYNCH	"	RL+FN	Old standard = Manual
	"	304 21:26	SYNCH	Manual	RL	Old standard = none
	"	308 19:54	SYNCH	Manual	RL	Old standard = none
	"	*	SYNCH	WWVB	(RL)	
	"	314 22:30	005.5	MC	FN	Rb 4.6
	"	318 09:02	084.0	WWVB	RL	
	"	319 00:10	043.3	MC	FN	
	"	325 00:30	096.9	MC06	FN	Rb 99.8
	"	325 21:17	-422.0	WWVB	RL	?
	"	327 21:21	-428.0	WWVB	RL	?
	"	328 21:23	-467.0	WWVB	RL	?
	"	329 03:40	108.8	MC10	FN	Rb 114.9
	"	329 03:40	SYNCH	"	RL	Old standard = none
	"	329 10:08	024.0	WWVB	RL	
	"	329 10:08	SYNCH	"	RL	Old standard = MC
	"	332 10:22	-101.0	WWVB	RL	?
	"	332 22:24	-197.0	WWVB	RL	?
	"	333 04:25	105.0	WWVB	RL	?
	"	333 19:50	-018.5	MC08	FN	?

* 311 01:40 < WWVB synch < 314 22:30

CWH	28	298 18:34	SYNCH	MC	RL	Old standard = none
	"	306 23:00	-004.7	MC05	FN	
	"	307 20:15	-000.7	MC11	FN	? TL: "-000.7"

	"	307 20:15	201.1	MC11	FN	? DS: "201.1"
DAS	32	356 21:01	SYNCH	MC	RL	Old standard = none
	"	358 21:25	-078.1	MC06	FN	
	"	360 20:01	-159.7	MC06	FN	
	"	360 20:01	SYNCH	"	RL	Old standard = none
	"	361 20:50	-040.9	MC06	FN	
	"	362 20:07	-072.1	MC06	FN	
	"	362 20:07	-073.0	"	RL	
	"	362 20:07	SYNCH	"	RL	Old standard = MC
	"	365 00:34	-082.5	MC06	FN	
	"	365 00:34	-30960.0	"	RL	?
	"	365 00:34	SYNCH	"	RL	Old standard = MC
	"	365 00:35	30876.0	"	RL	?
	"	365 00:35	SYNCH	"	RL	Old standard = MC
	"	365 00:48	-001.0	"	RL	
	"	365 00:48	SYNCH	"	RL	Old standard = MC
	"	365 19:30	-021.4	MC06	RL	
	"	365 19:30	-022.0	"	RL	
	"	365 19:30	SYNCH	"	RL	Old standard = MC
	"	001 00:00	-6			Leap
	"	001 00:00	994			Leap
	"	002 20:04	931.8	MC06	FN	
	"	002 20:04	931.0	"	RL	
	"	002 20:04	SYNCH	"	RL	Old standard = MC
	"	004 21:18	-100.1	MC06	FN	Rb -99.2
	"	004 21:18	SYNCH	"	RL	Old standard = none
	"	006 01:26	-053.9	MC06	FN	
	"	006 01:26	-054.0	"	RL	
	"	006 01:26	SYNCH	"	RL	Old standard = MC
	"	008 21:18	-094.7	MC06	FN	
	"	008 21:18	-095.0	"	RL	
	"	008 21:18	SYNCH	"	RL	Old standard = MC
	"	012 01:45	-081.6	MC	FN	
	"	012 01:49	-082.0	"	RL	
	"	012 01:49	SYNCH	"	RL	Old standard = MC
	"	015 03:22	-083.9	MC06	FN	
	"	015 03:22	-084.0	"	RL	
	"	015 03:22	SYNCH	"	RL	Old standard = MC
	"	018 23:10	-150.3	MC	FN	
	"	020 00:20	-199.5	MC11	FN	
DAW	10	356 20:26	SYNCH	MC	RL	Old standard = none
	"	358 21:10	-050.7	MC06	FN	
	"	360 19:46	-103.7	MC06	FN	
	"	360 19:46	-104.0	"	RL	
	"	360 19:46	SYNCH	"	RL	Old standard = MC
	"	361 20:30	-027.2	MC06	FN	
	"	362 19:59	-050.2	MC06	FN	
	"	362 19:59	001.0		RL	?
	"	362 19:59	SYNCH	"	RL	Old standard = MC
	"	365 00:18	-054.0	MC	RL	
	"	365 00:18	SYNCH	"	RL	Old standard = MC
	"	365 20:08	-020.9	MC06	FN	
	"	365 20:08	-021.0	"	RL	
	"	365 20:08	SYNCH	"	RL	Old standard = MC
	"	001 00:00	-4			
	"	001 00:00	996			
	"	002 19:56	956.0	MC06	FN	
	"	002 19:56	5953.0	MC	RL	?
	"	002 19:56	SYNCH	"	RL	Old standard = MC
	"	002 19:57	-4998.0	"	RL	?
	"	002 19:57	SYNCH	"	RL	Old standard = MC

BBP	1	322 00:25	324 22:00	7
	2	324 22:00	331 18:55	7
	3	331 18:55	334 21:10	7
	4	334 23:30	340 18:45	6
	5	340 18:50	342 18:45	6
	6	342 19:00	347 18:20	46
	7	347 18:25	353 18:20	46
	8	353 18:20	362 20:15	46
	9	362 20:15	004 21:45	46
	10	004 21:45	008 18:45	46
BBT	1	334 21:30	339 19:35	25
	2	339 19:35	347 19:15	25
	3	347 19:20	354 18:25	25
BCC	1	312 23:15	320 20:55	42
	2	320 20:55	332 00:00	42
	3	332 00:10	345 17:55	42
BEA	1	292 22:55	293 22:50	36
	2	293 22:50	296 20:00	36
	3	296 19:50	300 19:50	36
	4	300 20:00	303 22:20	36
	5	303 22:20	304 21:25	36
BLX	1	300 20:10	301 18:10	38
	2	301 18:10	306 22:45	38
	3	306 22:50	310 19:50	38
BMT	1	292 23:40	294 00:55	29
	2	297 01:00	300 05:25	29
	3	300 05:25	306 01:50	29
	4	306 02:20	312 00:40	29
	5	312 00:40	312 21:30	29
	6	312 21:30	314 18:45	29
	7	314 19:10	321 23:40	29
	8	321 23:40	338 18:00	29
	9	338 18:05	007 17:20	29
	10	007 17:30	024 00:00	29
	11	024 00:00	027 22:00	29
	12	027 22:00	041 21:00	29
	13	041 21:00	043 05:55	29
	14	043 05:55	046 05:30	29
	15	046 05:35	053 03:55	29
	16	053 03:55	063 21:00	29
	17	063 21:15	072 18:45	29
	18	072 18:45	074 18:15	29
BVF	1	291 22:25	292 18:40	24
	2	292 18:40	293 23:10	24
	3	293 23:15	295 22:20	24
BV2	4	295 23:35	297 19:55	24
	5	297 19:55	298 19:25	24
CAL	1	298 22:45	304 21:20	18
	2	304 21:25	311 21:45	18
	3	311 21:50	317 19:50	18
	4	317 19:50	321 19:00	18
CAP	1	305 20:40	309 01:15	35
	2	309 01:25	309 01:50	35
	3	309 01:50	312 22:30	35

	4	312 22:30	321 01:00	35	
	5	321 01:00	329 04:25	35	
	6	329 04:30	348 23:30	35	
	7	348 23:35	355 19:25	35	
CCS	1	297 22:05	303 23:40	6	
	2	303 23:40	305 21:00	6	
	3	305 21:00	306 21:00	6	
CGC	1	312 20:55	317 21:40	3	
	2	317 21:40	325 21:20	3	
	3	325 21:20	331 23:20	3	
	4	331 23:20	339 19:30	3	
	5	339 19:30	342 21:30	3	
	6	342 21:30	345 18:25	3	
CHB	1	291 19:20	293 21:15	38	
	2	293 21:30	295 00:20	38	
	3	295 01:30	299 22:20	38	
	4	299 22:25	300 18:50	38	
CNT	1	003 00:00	010 18:55	23	
	2	010 18:55	010 19:00	23	Cals only
COY	1	322 23:40	324 21:45	27	
	2	324 21:45	333 00:00	27	
	3	333 00:05	338 19:00	27	
	4	338 19:00	346 18:50	27	
	5	346 18:55	353 18:55	27	
	6	353 19:00	361 23:55	27	
	7	361 23:55	004 19:20	27	
	8	004 19:25	008 20:00	27	
CRA	1	311 21:10	312 23:35	7	
	2	312 23:35	313 22:00	7	
	3	313 22:00	320 21:45	7	
	4	320 21:45	321 19:10	7	
CRG	1	298?	299?	11	
	2	299 20:20	300 21:35	11	
	3	300 21:35	304 20:10	11	
	4	304 21:25	307 00:00	11	
	5	307 00:00	311 01:40	11	
	6	311 01:40	314 22:30	11	No data
	7	314 22:30	319 00:10	11	
	8	319 00:20	325 00:30	11	
	9	325 00:30	329 03:15	11	
	10	329 03:40	333 20:20	11	
CWH	1	298 18:30	301 17:35	28	
	2	301 17:35	306 23:00	28	
	3	306 23:00	307 20:20	28	
DAS	1	356 21:00	358 21:25	32	
	2	358 21:25	360 20:00	32	
	3	360 20:00	365 00:20	32	
	4	365 00:30	004 21:10	32	
	5	004 21:15	020 00:20	32	
DAW	1	356 20:25	360 19:40	10	
	2	360 19:45	365 20:05	10	
	3	365 20:05	004 20:50	10	
	4	004 20:50	015 02:05	10	

	5	015 03:05	019 23:55	10	
DEM	1	296 21:00	298 19:30	18	
DIA	1	310 21:25	312 21:35	9	
	2	312 21:35	313 20:10	9	
	3	313 20:15	317 20:30	9	
	4	317 20:30	320 19:15	9	
	5	320 19:15	326 20:40	9	
	6	326 20:45	331 22:00	9	
	7	331 22:00	338 23:55	9	
	8	338 23:55	340 19:55	9	
DMD	1	291 19:45	293 21:05	14	
	2	293 21:05	294 18:10	14	
	3	294 18:10	297 17:45	14	
	4	297 17:50	301 17:55	14	
	5	301 18:00	306 21:35	14	
	6	306 21:35	310 23:30	14	
	7	310 23:30	317 19:25	14	
DUV	1	311 23:00	312 22:10	36	
	2	312 22:15	325 17:30	36	
	3	325 17:35	342 18:10	36	
	4	342 18:15	353 18:30	36	
	5	356 19:40	358 21:20	25	
	6	360 20:15	361 20:40	38	
	7	361 20:40	004 21:00	38	
	8	004 21:00	008 21:25	38	
	9	008 21:25	009 21:40	38	
	10	009 21:40	020 01:40	38	
EDS	1	325 23:50	327 20:45	14	
	2	327 20:50	332 15:30	14	
EMT	1	291 16:30	297 19:50	32	
ESC	1	352 19:30	003 00:50	42	
	2	003 00:50	010 19:40	42	
	3	010 19:45	010 19:55	42	Cals only
FAE	1	298 21:45	304 20:15	27	
FER	1	291 21:50	296 18:40	27	
	2	296 18:45	298 18:20	27	
FLB	1	322 20:00	332 21:40	23	
	2	332 21:45	343 22:40	23	
	3	343 22:45	353 20:25	23	
	4	353 20:30	361 22:30	23	
	5	361 22:30	002 23:05	23	
FOX	1	306 22:25	310 20:45	20	
	2	310 20:50	313 00:40	20	
	3	313 00:40	317 17:40	20	
FPO	1	300 21:50	303 23:05	7	
	2	303 23:15	304 22:20	7	
GAO	1	321 23:20	324 20:25	24	
	2	324 20:25	328 21:25	24	
	3	328 21:25	346 00:35	24	
	4	346 00:45	360 21:45	24	

	5	360 21:50	005 22:50	24	
	6	005 22:55	022 21:45	24	
	7	022 22:00	032 21:20	7	
	8	032 21:40	042 23:55	7	
	9	043 00:00	043 00:10	7	Cals only
	10	043 00:10	052 17:30	7	
	11	052 17:50	076 00:25	38	
GAV	1	292 21:35	293 21:50	4	
	2	293 21:50	294 17:40	4	
	3	294 17:40	297 21:10	4	
GA2	4	297 21:45	301 18:50	4	
	5	301 18:55	306 22:15	4	
	6	306 22:15	311 00:00	4	
	7	311 00:00	317 20:35	4	
	8	317 20:35	318 22:35	4	
	9	318 22:40	324 20:10	4	
	10	324 20:10	328 21:35	4	
	11	328 21:35	332 00:40	4	
GRO	1	310 20:40	313 19:35	38	
	2	313 19:35	321 18:40	38	
	3	321 18:40	326 20:10	38	
	4	326 20:10	331 20:30	38	
	5	331 20:30	333 19:05	38	
HAL	1	343 21:40	347 23:25	4	
	2	347 23:25	356 19:05	4	
	3	356 19:05	005 21:45	4	
	4	005 21:45	015 21:40	4	
HA2	5	015 22:45	023 00:10	15	
	6	023 00:10	039 00:35	15	
	7	039 00:35	043 18:45	15	
	8	043 19:30	051 21:50	17	
	9	051 22:05	051 22:20	15	Cals only
IVE	1	352 20:55	361 23:05	3	
	2	361 23:05	008 19:00	3	
	3	008 19:00	010 19:25	3	
JSQ	1	300 22:45	303 21:20	15	
	2	303 21:20	306 21:45	15	
	3	306 21:45	310 23:00	15	
	4	310 23:00	311 20:15	15	
KIS	1	298 19:50	301 00:00	32	
	2	301 00:00	306 22:35	32	
	3	306 22:35	310 19:10	32	
KK0	1	357 01:35	362 21:35	18	
	2	362 21:40	004 23:35	18	
	3	004 23:35	004 23:45	18	Cals only
KK1	1	355 20:45	357 01:55	35	
	2	357 01:55	362 21:55	35	
	3	362 21:55	004 23:25	35	
KK2	1	355 21:35	357 02:30	36	
	2	357 02:30	005 00:25	36	
KOI	1	293 00:15	294 01:45	37	
	2	294 02:00	295 18:45	37	
	3	295 19:35	298 19:10	37	

	4	298 19:30	299 18:45	37	
	5	300 22:15	304 20:10	37	
	6	304 21:00	307 00:00	37	
	7	307 00:00	311 01:40	37	
	8	311 01:40	314 22:40	37	
	9	314 22:40	319 00:30	37	
	10	319 00:30	325 00:15	37	
	11	325 00:25	329 03:10	37	
	12	329 03:10	333 19:40	37	
	13	333 20:50	345 22:45	37	
	14	345 22:55	349 00:35	37	
	15	349 00:40	006 00:00	37	
	16	006 00:05	023 23:30	37	
	17	023 23:30	042 20:10	37	
	18	042 20:10	075 22:15	37	
LEA	1	293 01:05	296 19:20	18	
LMS	1	293 22:15	296 20:05	10	
	2	296 20:05	298 20:00	10	
	3	298 20:00	303 21:00	10	
MAL	1	306 21:40	310 20:20	46	
	2	310 20:20	312 23:50	46	
	3	312 23:50	320 21:35	46	
	4	320 21:35	321 19:35	46	
MAS	1	292 21:15	293 23:30	23	
	2	293 23:40	296 21:30	23	
	3	296 21:30	303 23:00	23	
	4	303 23:10	311 22:15	10	
MA2	5	311 22:20	321 21:20	10	
	6	321 21:20	331 21:35	10	
	7	331 21:35	333 19:40	10	
	8	333 19:45	349 19:35	14	
	9	349 19:40	005 21:25	14	
	10	005 21:25	013 20:00	14	Lost tape
MDC	1	321 22:20	324 21:10	46	
	2	324 21:10	326 22:55	46	
	3	326 23:00	327 19:05	46	
	4	327 19:10	331 19:30	46	
MON	1	300 19:30	305 22:50	13	
	2	305 22:50	312 21:05	13	
	3	312 21:05	324 22:30	13	
	4	324 22:30	331 22:50	13	
	5	331 22:50	348 22:05	13	
	6	348 22:10	363 23:05	13	
	7	363 23:05	025 20:40	13	
	8	025 21:00	048 00:10	38	
NPT	1	291 22:15	293 19:30	20	
	2	293 19:35	296 23:35	20	
	3	296 23:40	300 19:05	20	
	4	300 19:10	303 22:45	20	
	5	303 22:45	306 18:40	20	
OAB	1	291 18:05	293 19:30	28	
	2	293 19:30	297 21:00	28	
PKT	1	292 21:45	295 20:35	6	

POR	1	291 17:25	293 20:00	35
	2	293 20:00	297 03:35	35
	3	297 03:35	301 16:35	35
	4	301 16:35	304 17:18+	35
PUB	1	321 19:55	333 20:00	18
	2	340 20:40	349 20:30	9
	3	349 20:30	005 22:00	9
	4	005 22:00	025 20:50	9
PUC	1	293 00:05	296 20:15	46
	2	296 20:15	298 19:10	46
	3	298 19:15	303 20:00	46
	4	303 20:00	306 18:50	46
RAV	1	331 22:45	335 19:30	46
	2	335 19:30	339 21:05	46
	3	339 22:30	341 19:05	11
	4	341 19:35	353 19:25	11
	5	353 19:50	355 23:40	11
	6	355 23:40	002 21:30	11
	7	002 22:05	010 21:45	11
	8	010 22:15	023 18:25	11
	9	023 19:00	029 18:10	11
	10	029 18:35	046 17:55	11
RIN	1	291 17:20	293 18:30	42
	2	293 18:30	298 21:20	42
RI2	3	298 21:55	303 22:40	25
	4	303 22:50	306 20:05	25
	5	306 20:05	310 19:25	25
	6	310 19:35	331 20:50	25
	7	331 20:55	333 20:30	25
RUS	1	297 19:35	304 19:25	9
	2	304 19:30	306 20:35	9
	3	306 20:35	310 19:30	9
SAG	1	298 21:40	301 20:00	24
	2	301 20:00	307 20:40	24
	3	307 20:50	312 18:30	24
	4	312 18:30	317 23:20	24
	5	319 18:30	328 22:45	6
	6	337 23:05	347?	7
	7	349 23:20	363 00:10	7
	8	363 00:10	017 23:05	7
	9	017 23:30	032 20:10	36
	10	032 20:10	043 21:00	36
SAR	1	299 21:30	306 20:40	17
	2	306 20:40	307 23:35	17
	3	307 23:40	310 22:15	17
	4	310 22:15	320 23:45	17
	5	320 23:45	324 20:40	17
	6	324 20:40	331 21:25	17
	7	331 21:25	335 22:00	17
	8	335 22:00	345 20:40	17
	9	345 20:40	348 23:30	17
	10	348 23:30	004 22:30	17
	11	004 22:40	012 23:20	17
	12	012 23:25	023 22:20	17
	13	023 22:20	038 19:30	17
	14	038 23:15	051 19:55	13

	15	051 20:00	051 20:40	15	Cals only
SBM	1	310 23:05	312 22:35	32	
	2	312 22:35	320 19:55	32	
	3	320 19:55	326 21:30	32	
	4	326 21:30	331 22:50	32	
	5	331 22:50	340 19:30	32	
SF1	1	305 18:50	306 19:50	7	
	2	306 19:50	310 18:25	7	
	3	310 18:30	311 18:55	7	
SF2	1	305 21:25	306 20:35	27	
	2	306 20:35	310 19:35	27	
	3	310 19:40	311 18:40	27	
SF3	1	305 23:40	306 19:40	36	
	2	306 19:40	310 18:15	36	
	3	310 18:20	311 19:05	36	
SF4	1	305 23:00	306 20:15	23	
	2	306 20:15	310 19:05	23	
	3	310 19:10	313 19:30	23	
	4	313 19:30	320 19:05	23	
	5	320 19:05	321 22:20	23	
SND	1	299 19:20	306 21:15	3	
	2	306 21:15	310 20:45	3	
	3	310 20:50	311 21:10	3	
SRL	1	317 20:10	320 20:30	20	
	2	320 20:30	324 21:20	20	
	3	324 21:30	331 21:30	20	
	4	331 21:30	335 18:20	20	
	5	335 18:25	341 18:00	20	
	6	341 18:05	349 18:50	20	
	7	349 19:00	355 01:25	20	
	8	355 01:25	362 18:55	20	
	9	362 18:55	004 23:55	20	
	10	004 23:55	010 18:20	20	
ST1	1	046 18:20	059 18:55	23	
	2	067 19:15	072 18:10	23	
ST2	1	066 19:10	072 18:05	5	
ST3	1	067 19:25	072 18:10	20	
STQ	1	312 19:40	331 18:50	15	
	2	331 19:00	342 19:00	15	
	3	342 19:05	353 19:20	15	
	4	353 19:30	008 18:00	15	
SUN	1	040 01:00	048 00:15	9	
	2	048 00:15	059 23:40	9	
	3	059 23:40	071 23:25	9	
SWS	1	342 20:05	349 20:05	32	
TOM	1	318 00:15	319 17:15	6	
TUL	1	038 23:05	051 22:25	5	
	2	051 22:30	057 22:00	5	

	3	057 22:05	064 19:50	5
USG	1	291 00:45	291 03:05	35
	2	291 03:05	291 13:00+	35
	3	291 21:35	292 13:00+	37
	4	297 22:20	298 02:30	25
	5	298 02:30	298 14:00+	25
YBI	1	334 20:50	339 19:10	10
	2	339 19:10	347 18:50	10
	3	347 19:00	354 18:00	10

Appendix A - Hypocenter data sorted by time (see Table 1)

--Origin Time--				--LatN--		--LonW--		Depth	Mag	NR	RMS
day	hr	mn	sec	dg	mn	dg	mn	km			sec
291	01	01	27.22	36	57.37	121	41.57	16.22	3.3	26	0.17
291	01	03	59.42	37	4.79	121	59.70	4.94	3.7	18	1.31
291	01	08	9.13	37	11.21	122	3.31	11.87	3.9	47	0.24
291	01	16	19.53	37	9.84	122	0.05	7.89	3.6	25	0.31
291	01	19	31.42	37	9.10	121	56.97	10.17	2.4	9	0.22
291	01	21	18.74	36	57.05	121	44.79	10.92	3.7	32	0.28
291	01	22	45.23	37	6.15	121	56.56	8.45	3.0	23	0.33
291	01	26	32.24	37	0.96	121	56.63	5.02	2.9	21	0.39
291	01	40	35.51	37	6.44	121	52.07	7.41	1.7	5	0.02
291	01	43	37.82	37	8.62	121	58.37	8.33	3.0	51	0.26
291	01	45	57.38	37	0.74	121	48.15	11.03	3.8	53	0.26
291	01	50	31.17	37	8.10	121	58.76	9.27	3.0	44	0.27
291	01	51	0.51	36	57.47	121	44.96	10.94	3.4	40	0.30
291	01	58	29.22	36	58.51	121	52.58	0.31	3.3	19	0.34
291	02	08	53.12	36	55.71	121	45.17	2.18	3.3	27	0.31
291	02	15	49.29	36	59.10	121	48.24	1.31	4.3	48	0.31
291	02	26	5.83	37	1.92	121	46.33	4.48	4.1	33	0.16
291	02	26	5.92	37	1.36	121	47.79	3.90	3.9	48	0.27
291	02	30	5.30	37	8.22	121	59.92	14.24	2.3	25	0.05
291	02	30	29.58	37	10.11	122	0.97	8.28	3.2	49	0.30
291	02	30	29.58	37	10.11	122	0.97	8.28	3.2	49	0.30
291	02	36	1.95	37	8.93	121	59.17	9.53	3.3	55	0.27
291	02	48	27.29	37	3.32	121	56.65	16.32	3.0	51	0.30
291	02	48	51.83	37	11.09	121	59.74	8.25	2.7	22	0.05
291	02	48	51.83	37	11.09	121	59.74	8.25	2.7	22	0.05
291	03	02	43.22	37	6.23	121	53.29	5.64	3.6	36	0.28
291	03	09	58.33	37	3.59	121	54.81	10.97	3.2	53	0.30
291	03	16	19.45	37	6.29	121	50.18	4.66	3.1	41	0.12
291	03	21	47.76	37	5.92	121	51.60	4.14	3.9	53	0.29
291	03	23	56.15	37	7.39	122	0.23	15.06	3.8	56	0.28
291	03	27	46.19	36	56.89	121	44.13	14.53	3.0	50	0.25
291	03	30	34.77	37	15.89	122	4.34	4.39	2.9	43	0.20
291	03	35	45.27	37	6.09	121	52.90	5.19	3.6	55	0.27
291	03	39	11.37	37	16.14	122	4.39	4.71	2.5	24	0.18
291	03	46	28.92	37	1.73	121	54.33	0.08	4.0	31	1.18
291	04	14	47.99	37	7.28	121	59.85	14.60	3.4	55	0.26
291	04	16	32.32	37	3.51	121	53.55	15.12	3.9	52	0.20
291	04	17	34.91	37	6.95	121	55.03	7.63	3.0	14	0.04
291	04	18	16.24	37	10.56	122	3.64	12.28	3.1	41	0.22
291	04	25	11.48	37	9.71	121	59.81	8.90	3.3	50	0.26
291	04	25	46.73	37	2.03	121	47.99	7.80	3.9	46	0.21
291	04	26	36.59	36	59.53	121	45.87	14.77	3.5	48	0.16
291	04	28	14.77	36	57.51	121	47.12	13.46	3.5	52	0.27
291	04	50	26.91	37	9.57	122	1.37	9.64	4.1	55	0.30
291	05	09	34.08	37	3.02	121	50.71	13.02	3.0	15	0.18
291	05	18	34.69	37	2.78	121	52.73	15.01	4.1	40	0.21
291	05	37	43.10	37	8.44	121	59.58	12.42	2.1	27	0.13
291	05	37	43.14	37	8.44	121	59.55	12.04	2.1	28	0.13
291	05	38	2.23	37	7.91	122	3.08	15.15	3.0	39	0.24
291	05	38	2.23	37	7.83	122	3.29	14.72	3.0	36	0.24
291	20	37	12.29	36	59.28	121	44.18	0.44	3.3	55	0.26
291	20	39	39.22	37	8.49	122	0.38	9.40	2.7	59	0.30
291	20	42	7.06	37	2.23	121	51.94	10.26	2.5	57	0.28
291	20	47	9.00	37	2.32	121	47.35	5.74	2.4	63	0.27
291	20	48	24.69	36	50.85	121	36.64	5.01	2.9	69	0.37
291	21	32	51.39	37	2.17	121	46.45	4.34	1.9	20	0.12
291	21	35	48.13	37	7.73	121	59.48	14.17	2.3	38	0.19
291	21	51	54.44	37	4.83	121	56.85	10.02	2.9	53	0.36
291	22	13	31.20	37	1.66	121	47.95	3.78	2.6	53	0.23
291	22	19	24.08	37	1.79	121	48.31	4.01	2.9	62	0.25
291	22	40	13.70	37	2.41	121	46.92	4.12	1.7	12	0.08
291	23	13	12.61	37	9.49	122	2.55	8.21	2.2	13	0.14
292	01	16	17.05	37	3.33	121	56.42	16.94	2.5	74	0.24
292	01	17	46.62	36	57.67	121	43.52	5.78	2.7	66	0.28
292	01	37	39.04	37	2.84	121	53.42	11.72	3.3	80	0.27
292	01	51	25.23	37	7.59	122	0.13	13.56	2.8	79	0.28
292	02	25	40.48	37	3.09	121	48.22	5.09	2.3	45	0.09
292	02	55	8.40	37	2.49	121	48.50	4.95	2.9	75	0.27
292	03	20	26.90	37	5.66	121	54.92	8.98	3.0	82	0.32
292	03	55	0.25	36	59.27	121	47.98	16.56	3.6	81	0.22
292	04	12	43.39	36	55.06	121	40.81	5.63	3.4	84	0.32
292	05	16	17.15	36	56.68	121	41.35	7.16	3.4	49	0.20
292	05	30	37.07	37	1.06	121	46.01	7.95	2.4	45	0.26
292	05	48	11.85	36	59.22	121	43.70	6.25	2.5	45	0.29
292	05	52	2.08	37	4.56	121	54.43	9.79	2.5	55	0.30
292	08	45	49.6[illegible]	36	57.92	121	51.06	9.41	3.9	54	0.26
292	08	50	[illegible]	36	58.39	121	47.64	15.34	2.6	52	0.27
292	09	53	49.[illegible]	36	55.53	121	41.57	9.12	4.4	60	0.34
292	10	14	34.7[illegible]	36	57.54	121	50.92	10.18	4.6	60	0.26
292	10	17	41.6[illegible]	36	56.85	121	49.09	10.58	3.0	42	0.15
292	10	19	41.74	36	57.27	121	50.33	8.84	3.6	48	0.23
292	10	26	16.15	37	1.66	121	48.27	4.54	2.5	39	0.19
292	10	47	43.34	36	57.50	121	49.47	11.07	2.4	44	0.16
292	10	59	57.66	36	56.95	121	50.25	9.35	3.[illegible]	50	0.25
292	11	15	22.50	36	56.44	121	49.91	8.12	3.5	43	0.30
292	11	20	42.79	37	2.50	121	47.16	5.91	1.5	13	0.08
292	11	25	53.37	36	48.46	121	31.89	6.25	2.3	33	0.24
292	11	29	26.73	36	57.02	121	50.55	9.52	3.3	54	0.26
292	12	25	33.19	36	55.08	121	41.02	8.46	3.8	54	0.31
292	12	47	39.61	36	53.88	121	38.80	11.30	2.6	40	0.19
292	13	08	51.70	36	57.71	121	50.61	6.02	0.0	11	0.07
292	13	08	58.62	37	4.98	121	54.08	5.98	2.7	40	0.24
292	13	15	4.67	36	57.31	121	50.45	6.93	2.8	50	0.25
292	14	00	4.28	37	2.23	121	47.90	4.45	3.1	58	0.17
292	14	00	30.90	36	54.25	121	40.09	0.94	2.8	33	0.34
293	00	18	20.41	37	5.11	121	55.89	9.81	3.9	89	0.29
293	01	11	5.28	37	0.99	121	50.13	16.61	2.5	69	0.20
293	04	02	57.83	37	11.37	122	4.54	10.38	2.3	72	0.30
293	04	24	56.44	37	17.95	122	6.32	4.57	1.6	8	0.09
293	05	13	51.51	37	3.33	121	48.44	5.01	2.3	57	0.17
293	05	38	35.24	36	58.10	121	45.45	14.28	2.8	84	0.29
293	07	52	49.01	37	4.06	121	49.14	8.59	2.8	85	0.30
293	08	12	53.90	37	10.16	122	4.70	14.45	3.6	81	0.29
293	11	29	17.00	37	2.26	121	47.43	4.24	1.4	12	0.06
293	11	53	29.16	37	2.84	121	55.36	16.44	2.7	85	0.26
293	12	47	35.97	37	2.25	121	48.15	3.51	2.1	28	0.11
293	14	15	30.73	37	5.43	121	59.18	5.71	3.3	81	0.25
293	15	12	50.30	37	2.70	121	47.97	5.14	2.1	35	0.13
293	17	12	32.25	36	60.00	121	44.14	4.11	2.1	22	0.12
293	18	06	28.76	37	19.59	122	6.09	0.04	2.2	8	0.14
293	21	24	24.60	37	9.46	121	33.63	2.71	2.2	54	0.07
293	22	18	17.55	37	3.34	121	49.43	4.66	2.1	30	0.08
294	00	11	11.15	37	6.35	121	58.44	15.22	2.5	76	0.24
294	00	49	43.10	37	2.60	121	51.98	13.46	4.1	97	0.25
294	01	02	45.63	37	2.92	121	51.46	11.21	2.6	75	0.26
294	02	46	51.41	37	1.68	121	49.41	5.28	1.3	8	0.04
294	03	20	24.22	36	54.19	121	39.41	6.63	2.4	67	0.23
294	03	24	8.59	37	4.82	121	48.38	2.98	1.3	12	0.06
294	03	32	54.78	37	2.60	121	46.85	4.09	1.3	10	0.07
294	03	44	50.69	37	2.16	121	51.68	13.45	2.3	50	0.11
294	04	20	10.78	37	1.58	121	49.03	4.75	0.9	6	0.01
294	04	51	4.41	36	57.83	121	36.12	2.38	1.6	23	0.08
294	07	13	44.81	37	2.63	121	48.35	4.40	1.8	27	0.09

294	07	55	22.67	37	2.13	121	49.12	11.13	1.6	30	0.08	297	04	48	11.87	37	2.89	121	48.67	4.89	3.2	79	0.25
294	08	32	19.39	37	6.92	122	0.11	14.79	2.7	80	0.26	297	07	02	23.36	37	10.44	121	57.68	6.32	2.8	67	0.24
294	08	57	17.18	37	2.38	121	47.39	7.69	1.7	33	0.07	297	08	56	12.79	37	10.64	121	57.84	5.83	2.5	67	0.27
294	09	23	15.74	36	59.15	121	44.84	14.27	1.9	43	0.10	297	10	42	25.56	36	54.75	121	40.14	11.33	2.1	57	0.19
294	10	57	4.41	37	9.64	121	59.22	8.20	2.6	78	0.26	297	12	24	17.66	37	2.43	121	48.80	4.76	2.0	42	0.12
294	12	22	32.85	37	0.76	121	44.20	5.87	1.7	38	0.13	297	13	03	14.76	37	1.70	121	48.57	6.44	1.3	11	0.12
294	12	31	57.29	37	6.02	121	51.09	3.86	1.6	32	0.06	297	14	45	8.15	37	4.81	121	55.02	14.24	2.3	56	0.15
294	12	54	39.35	37	8.28	121	57.08	4.92	3.1	69	0.30	297	15	12	32.24	37	3.13	121	50.32	4.43	2.0	30	0.12
294	13	54	44.77	37	5.64	121	50.72	4.55	2.2	56	0.16	297	19	29	4.80	36	56.75	121	41.86	5.70	2.6	75	0.32
294	14	52	24.12	37	6.46	121	52.94	4.01	2.5	60	0.15	297	19	30	37.50	36	55.04	121	40.84	6.83	2.4	75	0.34
294	15	15	38.70	37	2.27	121	47.91	3.16	0.8	8	0.07	297	20	13	11.37	36	37.80	121	10.58	4.37	1.8	18	0.07
294	15	15	52.59	36	58.60	121	42.05	5.00	0.6	4	0.00	297	22	26	12.99	37	10.52	121	58.08	5.28	2.5	55	0.28
294	15	38	7.53	37	7.19	121	52.43	4.38	2.3	31	0.09	298	01	27	26.21	37	4.32	121	49.86	10.22	4.4	90	0.27
294	15	58	45.42	37	6.44	121	51.69	5.18	2.6	55	0.15	298	01	34	53.93	37	4.58	121	49.42	10.17	2.2	62	0.27
294	17	08	22.97	37	9.53	121	33.52	3.12	1.4	16	0.07	298	01	56	0.84	37	5.02	121	49.13	9.94	2.3	60	0.13
294	17	12	18.87	36	54.24	121	40.59	10.73	2.4	70	0.25	298	02	37	5.43	37	19.68	122	6.64	0.48	0.8	5	0.05
294	21	47	8.06	36	53.66	121	38.97	5.73	2.2	58	0.29	298	03	05	23.69	37	10.94	122	2.32	13.69	1.8	28	0.09
294	22	03	39.05	36	57.59	121	35.53	1.89	1.3	12	0.09	298	03	13	8.19	37	4.26	121	49.02	8.42	2.4	66	0.28
294	22	14	56.42	37	3.32	121	54.60	14.89	4.5	97	0.28	298	05	38	42.86	37	4.53	121	50.07	10.07	2.8	86	0.30
294	23	30	25.28	36	33.26	121	8.61	1.53	1.1	8	0.12	298	06	02	6.75	37	3.72	121	47.71	8.12	2.0	43	0.15
294	23	32	11.04	37	4.09	121	53.54	15.22	2.1	58	0.18	298	07	10	25.71	36	56.84	121	41.74	5.26	2.4	73	0.32
294	23	54	27.05	36	54.43	121	40.87	9.10	2.2	64	0.23	298	07	11	23.66	37	4.93	121	49.10	10.38	2.0	43	0.11
295	00	51	31.97	37	38.63	121	40.93	6.39	2.0	32	0.11	298	09	34	8.91	37	3.13	121	48.38	3.37	1.6	23	0.08
295	02	46	5.46	36	55.30	121	40.13	10.11	1.7	20	0.10	298	09	37	26.36	37	3.34	121	48.59	3.23	1.3	11	0.10
295	02	46	25.20	37	9.75	121	57.92	7.24	1.6	16	0.08	298	11	36	54.93	37	2.23	121	48.35	4.19	1.6	22	0.07
295	02	54	29.62	37	3.81	121	54.18	13.04	2.4	68	0.24	298	12	23	34.99	37	13.16	121	59.96	5.68	2.1	10	0.14
295	03	38	31.17	37	4.54	121	48.65	9.56	2.1	49	0.15	298	12	24	45.36	37	0.60	121	45.08	9.82	1.8	37	0.10
295	07	24	10.26	36	58.25	121	37.55	4.07	2.0	48	0.11	298	12	27	5.60	36	59.27	121	45.55	11.99	2.3	79	0.31
295	07	49	59.08	37	5.70	121	58.57	18.78	2.2	54	0.12	298	13	00	41.73	36	53.07	121	39.01	5.71	3.8	92	0.38
295	08	15	17.01	37	9.73	121	33.42	2.97	1.2	7	0.08	298	13	09	11.58	36	53.27	121	38.74	4.15	2.6	78	0.37
295	08	17	8.34	37	10.45	122	4.54	13.63	2.6	82	0.29	298	15	10	54.59	36	53.73	121	53.26	4.67	2.7	74	0.21
295	09	44	57.73	36	54.95	121	40.71	5.36	3.4	87	0.36	298	16	30	51.07	36	53.85	121	53.41	4.55	2.8	70	0.20
295	11	32	10.12	36	55.11	121	40.50	10.46	1.7	43	0.18	298	18	20	32.82	36	49.03	121	33.90	3.57	3.1	83	0.41
295	12	15	29.23	36	58.99	121	40.34	2.26	2.4	57	0.20	298	18	55	57.75	36	57.76	121	35.58	2.84	1.4	35	0.12
295	12	55	59.47	37	3.60	121	47.59	8.04	2.3	60	0.17	298	22	01	49.24	36	59.69	121	48.65	17.43	3.7	90	0.22
295	14	24	36.85	36	59.47	121	48.98	17.48	3.7	83	0.23	298	22	01	49.24	36	59.69	121	48.65	17.43	3.7	90	0.22
295	15	51	39.67	37	2.88	121	47.82	5.63	2.5	63	0.16	298	22	27	59.64	37	19.93	122	5.36	0.02	1.2	5	0.01
295	21	48	31.34	36	55.39	121	41.67	10.57	2.3	78	0.31	298	22	44	41.80	36	53.75	121	53.43	4.38	2.7	70	0.18
295	22	29	11.25	36	56.09	121	40.92	9.44	1.6	38	0.12	299	01	42	49.61	37	20.59	122	8.57	3.99	1.1	14	0.11
295	22	55	8.76	37	6.33	121	51.03	3.62	2.5	42	0.08	299	05	10	6.89	37	6.32	121	52.12	4.57	1.9	39	0.07
296	00	29	29.52	36	58.33	121	44.08	14.56	2.1	65	0.21	299	07	29	7.18	37	17.56	122	4.08	3.97	1.7	22	0.12
296	00	31	58.36	37	6.73	121	50.28	5.08	2.4	53	0.10	299	09	01	28.87	37	2.75	121	53.43	12.36	3.6	86	0.30
296	02	18	20.07	36	54.96	121	30.67	4.69	2.1	54	0.28	299	09	53	20.95	37	22.70	122	9.75	3.14	1.2	6	0.06
296	02	18	28.46	37	9.88	121	57.53	1.16	1.0	5	0.04	299	13	26	41.92	37	3.34	121	54.56	16.70	2.4	67	0.19
296	02	48	40.33	37	3.52	121	48.52	2.82	1.4	13	0.07	299	13	27	7.39	37	3.09	121	48.25	0.47	2.6	34	0.31
296	02	49	45.94	37	3.47	121	48.41	3.03	1.7	23	0.08	299	15	19	24.72	37	3.07	121	48.29	4.70	1.7	24	0.06
296	02	54	13.76	36	35.03	121	1.70	8.39	2.3	45	0.18	299	15	28	17.09	36	45.81	121	24.08	6.50	1.2	12	0.26
296	03	00	59.21	37	2.66	121	47.26	5.25	2.1	47	0.10	299	16	13	25.31	37	3.86	121	47.98	9.69	2.9	68	0.16
296	03	37	20.94	36	57.68	121	49.92	8.45	1.8	28	0.12	299	19	36	12.38	37	20.82	122	8.22	3.41	1.4	18	0.12
296	03	56	35.04	37	4.01	121	52.15	12.38	2.2	53	0.09	299	19	42	33.35	37	19.11	122	8.24	2.61	0.8	4	0.00
296	03	57	46.73	36	57.91	121	37.67	5.31	1.1	13	0.08	299	20	31	21.97	37	20.37	122	8.10	3.33	1.4	7	0.09
296	04	15	57.67	36	55.61	121	40.26	7.04	1.5	32	0.15	299	22	54	56.64	37	18.66	122	8.75	2.41	0.7	4	0.00
296	06	23	26.29	36	57.89	121	36.60	3.58	2.0	49	0.16	299	23	31	44.93	37	20.98	122	7.99	3.78	1.4	22	0.12
296	08	06	23.12	36	56.46	121	40.94	6.07	1.7	36	0.16	299	23	32	32.97	37	20.96	122	7.76	4.00	1.9	36	0.21
296	08	13	41.00	37	2.68	121	48.47	4.41	1.2	13	0.06	300	00	17	41.46	37	20.72	122	7.01	4.85	0.8	4	0.01
296	12	38	21.86	37	3.36	121	51.62	13.23	2.4	65	0.18	300	00	38	17.27	37	35.89	121	58.14	9.84	1.9	8	0.35
296	14	26	56.99	36	57.32	121	43.31	13.71	2.1	49	0.13	300	02	25	9.37	37	11.45	122	2.38	13.12	1.5	15	0.08
296	15	14	22.80	36	59.17	121	40.52	3.26	3.0	79	0.30	300	05	43	51.24	37	10.22	122	2.28	13.79	1.6	26	0.07
296	15	48	49.91	36	58.09	121	36.42	1.60	1.7	23	0.07	300	06	20	25.24	37	2.45	121	46.59	5.40	0.8	13	0.07
296	19	23	51.92	36	56.30	121	41.71	5.70	3.1	69	0.38	300	06	39	55.11	37	10.06	122	0.76	7.77	1.2	13	0.06
296	20	14	43.64	36	53.74	121	39.15	8.72	2.2	57	0.27	300	06	53	49.60	36	46.82	121	31.37	6.17	1.7	44	0.31
296	21	27	40.64	37	7.13	121	55.76	8.72	3.0	80	0.33	300	07	19	43.14	37	10.72	121	59.43	8.39	1.8	28	0.10
297	03	37	12.37	37	10.14	122	3.75	15.08	1.8	31	0.06	300	07	28	29.09	36	57.65	121	43.27	12.71	2.2	71	0.24

300	10	15	43.77	37	5.56	121	58.91	18.19	1.6	17	0.06
300	11	08	57.41	36	58.92	121	49.46	13.89	0.0	33	0.09
300	11	09	1.02	37	6.96	122	1.37	7.68	1.6	5	0.02
300	11	28	25.88	37	6.47	121	49.89	3.79	1.2	12	0.06
300	13	29	50.99	36	57.30	121	44.07	15.79	3.0	79	0.22
300	14	49	32.41	36	43.29	121	29.36	13.50	1.8	40	0.30
300	14	50	40.85	37	17.90	122	4.65	4.53	1.3	8	0.07
300	15	40	3.56	36	59.44	121	46.13	15.19	1.6	31	0.07
300	16	58	15.81	37	5.77	121	49.18	4.30	1.3	20	0.08
300	17	03	8.00	37	6.12	121	51.21	4.57	1.8	30	0.07
300	17	05	48.49	37	2.43	121	47.53	7.19	0.9	13	0.07
300	17	08	49.02	37	2.29	121	47.48	7.65	1.0	18	0.04
300	17	09	5.92	36	57.81	121	43.67	14.10	1.0	16	0.04
300	17	33	53.29	37	19.71	122	6.33	0.08	1.7	6	0.12
300	17	47	35.30	37	22.40	121	45.54	3.29	2.6	69	0.07
300	18	41	38.06	37	5.68	121	49.45	3.37	1.3	23	0.07
300	21	57	40.95	36	55.37	121	40.83	6.74	2.3	74	0.29
300	22	15	59.39	36	59.15	121	46.11	11.80	2.9	86	0.26
300	23	33	25.60	36	57.17	121	43.43	14.19	1.5	40	0.13
300	23	50	12.84	37	15.13	122	3.02	9.94	1.1	18	0.06
301	00	01	58.55	37	3.59	121	55.19	17.97	2.1	60	0.13
301	04	04	1.82	37	3.85	121	52.34	11.39	1.8	35	0.08
301	06	59	42.30	37	4.09	121	45.94	3.09	1.2	15	0.07
301	07	38	15.93	37	2.15	121	47.85	8.57	1.7	34	0.10
301	08	08	14.55	37	3.91	121	46.47	4.46	0.7	5	0.04
301	08	17	27.86	37	2.36	121	48.86	4.26	0.9	6	0.05
301	08	18	26.02	37	2.50	121	48.84	4.43	1.4	10	0.06
301	08	35	14.18	37	41.68	122	32.85	9.59	2.5	46	0.14
301	09	03	29.37	37	13.82	122	1.14	8.48	1.1	20	0.06
301	09	31	54.78	37	4.09	121	46.12	3.55	1.2	15	0.07
301	09	32	9.99	37	7.26	121	53.29	3.92	1.1	14	0.04
301	10	32	10.37	36	51.29	121	26.35	5.33	2.4	69	0.18
301	10	38	32.86	37	0.12	121	47.44	15.83	1.6	27	0.08
301	11	20	27.72	37	9.11	122	3.72	11.48	2.0	48	0.20
301	12	28	50.84	36	57.43	121	43.74	15.58	1.7	39	0.12
301	13	55	38.62	36	45.70	121	29.88	4.43	2.8	80	0.39
301	15	04	54.66	37	2.59	121	48.86	4.36	1.2	16	0.07
301	15	45	34.10	36	53.16	121	24.85	8.02	2.3	57	0.09
301	15	48	28.51	36	59.67	121	47.29	12.14	2.2	54	0.14
301	16	59	28.92	36	59.99	121	46.44	14.60	1.2	16	0.05
301	17	06	35.94	37	2.07	121	49.47	5.16	1.1	11	0.06
301	17	25	50.80	37	0.11	121	47.00	15.60	1.8	35	0.08
301	19	41	14.69	36	59.40	121	45.51	14.89	1.4	14	0.05
301	19	48	6.53	37	8.07	121	55.15	10.19	2.1	46	0.10
301	21	27	49.23	36	53.38	121	39.65	7.67	3.3	88	0.35
301	23	01	10.57	37	8.66	121	55.85	12.38	1.7	34	0.08
301	23	33	43.57	37	42.09	122	31.76	7.95	1.6	10	0.04
302	02	53	9.88	36	45.69	121	29.09	5.76	1.6	37	0.28
302	03	15	17.44	37	4.33	121	53.97	14.60	1.8	41	0.05
302	03	47	37.22	36	57.35	121	43.54	14.83	1.8	56	0.14
302	05	50	36.96	37	15.13	122	2.03	4.77	1.0	9	0.11
302	06	02	4.12	37	4.04	121	47.71	9.20	1.5	28	0.05
302	08	10	35.60	37	3.29	121	48.22	5.00	0.9	10	0.05
302	08	31	18.33	36	43.64	121	29.17	14.15	2.1	74	0.26
302	09	17	36.06	37	4.03	121	46.06	3.23	0.9	5	0.02
302	12	49	32.47	36	56.03	121	47.03	1.04	0.9	4	0.07
302	13	10	57.05	37	3.62	121	54.75	16.86	2.9	75	0.17
302	13	53	6.20	37	2.07	121	47.83	3.97	1.9	42	0.11
302	14	08	55.60	36	53.84	121	40.13	7.90	2.1	69	0.29
302	14	33	32.83	37	1.62	121	48.61	11.93	1.7	32	0.08
302	16	50	44.48	37	14.44	121	58.15	2.99	1.4	22	0.06
302	17	09	50.93	37	2.01	121	49.62	5.29	1.2	14	0.05
302	18	20	21.59	37	10.80	122	1.89	11.30	1.2	6	0.04
302	18	51	1.47	36	58.87	121	44.77	15.45	1.6	34	0.06
302	19	18	21.07	37	0.89	121	50.04	17.09	2.3	63	0.17
302	20	17	7.07	36	57.30	121	43.14	13.18	1.4	23	0.13
302	20	44	11.97	37	4.03	121	53.88	15.11	2.2	64	0.14
302	21	11	13.88	36	57.52	121	34.58	3.00	1.6	30	0.17
302	21	55	44.71	37	4.97	121	54.16	9.98	2.9	84	0.26
302	23	55	9.67	36	50.67	121	36.62	7.19	2.7	79	0.35
303	01	09	23.48	37	6.26	121	49.30	4.96	1.9	38	0.10
303	01	39	53.84	37	20.50	122	6.83	0.03	1.1	6	0.15
303	02	40	35.79	37	21.51	122	9.58	6.60	1.2	21	0.17
303	04	52	24.48	37	3.73	121	53.86	15.76	2.5	63	0.13
303	06	31	27.36	36	55.52	121	41.49	12.26	2.9	81	0.24
303	07	39	20.50	36	59.83	121	43.95	9.31	2.1	53	0.15
303	08	22	41.98	36	56.38	121	41.35	10.00	1.8	57	0.20
303	09	07	43.68	37	1.21	121	49.49	16.60	1.7	33	0.07
303	09	46	34.54	37	4.37	121	48.53	9.67	1.8	44	0.07
303	09	59	5.95	37	15.97	122	5.70	2.03	0.9	6	0.01
303	10	13	55.15	37	5.63	121	49.50	3.64	1.7	30	0.09
303	11	17	13.35	37	4.05	121	48.72	10.40	3.6	81	0.16
303	11	42	36.41	37	4.28	121	55.20	15.81	1.8	34	0.07
303	12	58	36.47	37	7.91	121	54.96	10.21	2.1	50	0.12
303	13	25	51.01	37	16.07	121	38.62	7.02	1.9	46	0.05
303	13	53	59.75	37	4.55	121	48.25	9.19	1.5	26	0.06
303	13	56	11.95	37	16.08	121	38.72	7.08	1.8	50	0.05
303	13	56	54.39	37	4.06	121	47.92	6.39	1.4	18	0.09
303	14	04	0.69	37	11.30	121	58.63	3.49	2.0	39	0.09
303	15	41	54.21	37	6.95	121	54.48	3.47	2.4	65	0.24
303	17	41	2.34	37	11.87	122	2.56	12.15	1.7	28	0.06
303	17	52	32.36	37	6.00	121	49.50	2.96	1.4	19	0.07
303	19	01	46.55	37	2.38	121	47.54	7.55	1.7	30	0.06
303	20	00	6.12	36	44.11	121	35.55	2.65	1.6	38	0.31
303	20	15	42.26	37	19.67	122	6.21	0.08	1.5	14	0.11
304	00	13	52.26	36	58.83	121	38.67	4.02	1.4	23	0.09
304	02	36	23.44	37	18.52	122	6.05	4.24	0.9	7	0.06
304	03	03	5.60	37	11.36	122	4.01	12.92	2.3	62	0.21
304	03	53	13.40	37	15.62	121	38.39	6.75	2.4	72	0.06
304	04	53	44.47	36	56.68	122	16.04	7.74	2.4	54	0.22
304	05	32	44.62	37	6.48	121	50.07	4.67	2.0	46	0.08
304	08	34	48.67	37	4.16	121	48.50	9.37	0.0	64	0.17
304	08	34	51.18	37	3.27	121	49.07	7.96	3.4	65	0.32
304	12	26	10.42	36	43.50	121	29.28	14.03	2.4	72	0.25
304	17	29	39.15	36	59.07	121	45.88	15.31	2.4	72	0.17
304	18	12	0.82	37	2.73	121	56.07	15.39	2.5	80	0.28
304	18	20	38.37	36	57.36	121	41.88	5.38	2.1	59	0.24
304	19	47	40.36	37	19.40	122	6.12	0.00	1.8	22	0.37
304	20	31	43.61	37	19.40	122	6.03	0.03	1.5	21	0.31
305	00	02	32.48	36	45.58	121	34.83	3.12	1.8	46	0.12
305	00	26	51.33	37	11.81	122	2.95	12.16	1.3	14	0.05
305	03	23	30.79	37	3.59	121	48.76	5.42	1.6	34	0.06
305	04	07	43.08	37	15.53	121	38.31	6.91	2.5	89	0.05
305	05	35	38.62	37	2.64	121	48.79	4.48	2.5	76	0.12
305	06	16	3.64	37	6.38	121	50.19	4.63	2.3	69	0.08
305	06	38	12.08	37	2.60	121	48.95	4.61	2.4	64	0.12
305	08	03	17.27	37	6.42	121	50.34	5.01	3.7	82	0.09
305	08	39	57.12	37	6.46	121	50.38	4.45	2.1	47	0.11
305	12	46	36.01	36	51.48	121	30.71	4.06	1.8	41	0.15
305	14	52	0.88	36	49.78	121	32.25	4.49	2.0	62	0.19
305	15	09	35.71	37	2.32	121	48.44	4.25	1.4	19	0.08
305	18	39	49.46	37	19.47	122	7.05	4.31	1.4	4	0.00
305	19	15	5.88	36	45.84	121	34.14	5.93	1.4	24	0.14
305	19	31	6.94	37	6.31	121	49.67	4.73	2.1	41	0.08
305	21	40	50.19	36	44.72	121	27.44	14.59	1.9	56	0.12
305	23	11	12.56	37	11.05	122	1.91	11.94	1.4	16	0.05

305	23	39	33.37	37	1.20	121	49.30	16.19	1.7	35	0.10
305	23	56	39.54	36	53.53	121	35.88	6.71	1.6	31	0.09
306	02	44	45.93	37	21.12	122	8.48	0.04	1.0	6	0.17
306	04	23	12.68	37	9.64	121	59.33	6.51	2.0	46	0.10
306	05	12	34.11	37	3.99	121	48.22	9.34	2.5	72	0.11
306	05	50	10.67	37	3.92	121	48.46	9.91	4.5	85	0.13
306	06	24	33.87	37	3.93	121	47.75	6.48	0.8	6	0.02
306	07	03	20.76	37	8.95	121	33.11	2.13	1.4	21	0.07
306	07	22	8.62	37	3.96	121	47.52	7.97	1.9	48	0.07
306	09	33	14.96	37	18.44	122	4.85	4.14	0.8	5	0.02
306	09	33	24.18	37	18.25	122	5.12	4.12	1.6	17	0.06
306	09	57	37.30	37	20.94	122	8.11	4.39	1.2	7	0.04
306	10	11	6.14	37	4.13	121	55.34	15.19	2.3	78	0.13
306	18	50	2.44	37	19.52	122	6.15	0.13	1.6	22	0.10
306	19	45	43.63	37	20.12	122	8.41	4.80	1.0	21	0.08
307	02	48	25.64	37	21.11	121	45.26	2.75	2.4	67	0.10
307	02	57	25.11	37	9.71	121	59.69	10.50	1.9	45	0.08
307	05	44	4.38	36	57.76	121	33.93	1.63	1.7	35	0.11
307	06	46	51.77	37	17.74	122	4.06	4.60	1.6	17	0.06
307	07	56	47.89	37	17.60	122	3.98	4.44	1.7	39	0.08
307	08	36	9.49	37	17.85	122	4.05	4.88	1.0	8	0.03
307	10	47	56.19	36	56.72	121	39.67	12.23	3.0	86	0.16
307	11	29	44.59	37	7.73	121	59.82	14.91	1.9	25	0.05
307	11	45	6.95	37	8.19	121	59.35	14.37	1.9	58	0.10
307	12	18	39.89	37	7.34	121	54.64	8.77	1.6	23	0.05
307	13	19	43.42	37	10.54	121	57.50	4.82	1.7	25	0.07
308	00	20	28.14	37	6.52	122	2.97	10.49	1.9	35	0.12
308	07	16	4.71	37	46.41	122	9.76	7.97	3.6	69	0.12
308	07	27	31.91	37	8.64	121	59.37	13.19	1.6	26	0.07
308	08	12	41.33	37	10.37	122	1.46	15.27	1.5	26	0.09
308	12	32	30.65	36	53.22	121	36.31	6.96	1.3	9	0.14
309	01	30	41.85	37	4.30	121	54.97	14.23	3.7	96	0.13
309	01	30	41.85	37	4.30	121	54.97	14.23	3.7	96	0.13
309	02	07	45.17	37	21.92	122	16.76	5.57	1.7	13	0.05
309	03	42	51.93	37	2.17	121	47.87	6.32	2.7	84	0.09
309	04	13	57.87	37	3.77	121	47.69	8.23	2.1	59	0.10
309	07	08	53.47	37	16.15	122	3.72	5.22	1.2	14	0.06
309	07	36	25.06	36	59.23	121	46.59	15.07	1.7	47	0.08
309	13	37	33.83	37	3.64	121	53.62	13.88	3.8	90	0.12
309	14	06	39.68	37	8.47	121	59.45	12.07	1.5	24	0.08
309	15	28	52.13	37	5.88	121	48.03	4.33	1.4	22	0.07
309	16	17	22.56	37	1.10	121	50.11	17.13	2.0	51	0.07
309	19	00	44.74	36	35.17	121	10.93	5.88	2.6	63	0.07
309	22	13	22.14	36	58.50	121	35.80	1.84	1.7	35	0.11
309	23	21	0.98	36	58.91	121	43.79	11.11	2.3	73	0.11
310	02	01	8.76	37	11.53	122	2.66	11.80	2.2	66	0.11
310	03	18	4.15	37	14.68	122	2.35	9.97	1.3	13	0.03
310	04	13	7.91	37	19.64	122	6.02	5.92	0.9	6	0.04
310	06	07	46.52	36	55.75	121	49.68	2.96	1.9	41	0.09
310	06	22	50.97	36	59.55	121	46.34	15.78	2.7	84	0.09
310	07	50	16.72	37	7.09	121	53.10	4.49	1.9	45	0.08
310	08	27	4.86	37	7.00	121	53.18	3.89	0.0	18	0.07
310	08	27	15.11	37	6.91	121	53.35	3.94	2.6	79	0.12
310	11	36	0.86	37	20.51	122	7.15	2.61	0.7	5	0.05
310	13	49	15.52	36	52.90	121	35.57	4.60	2.4	74	0.17
310	15	48	18.35	37	4.28	121	54.13	14.17	2.4	78	0.08
310	19	53	33.66	37	11.11	121	58.95	11.00	1.7	29	0.07
310	22	18	32.46	36	56.89	121	32.07	2.05	1.4	26	0.13
310	23	37	24.28	37	38.62	122	29.19	7.80	2.9	65	0.10
311	04	30	2.54	37	11.26	122	2.01	10.14	1.7	26	0.08
311	04	32	50.07	36	53.25	121	36.00	4.95	1.3	31	0.15
311	04	40	42.84	37	18.57	122	7.70	2.88	1.4	9	0.09
311	05	54	39.24	36	53.04	121	24.88	6.88	1.3	36	0.09
311	06	30	59.97	36	48.41	121	30.49	6.74	2.4	72	0.12
311	07	12	44.76	36	48.40	121	30.81	7.07	2.4	70	0.16
311	08	20	46.81	37	10.88	121	57.76	4.42	2.2	54	0.10
311	14	23	57.15	37	12.21	122	3.28	12.34	1.7	20	0.07
311	18	45	27.56	37	22.02	122	7.85	0.04	1.8	5	0.10
311	23	22	13.33	36	57.65	122	14.12	6.93	2.8	99	0.25
311	23	42	37.29	37	13.96	122	1.69	9.70	4.0	86	0.11
312	00	42	12.15	37	14.05	122	1.39	7.43	1.1	10	0.06
312	04	23	53.68	37	2.21	121	49.60	5.06	1.3	15	0.06
312	04	46	49.47	37	13.36	122	1.71	8.66	1.6	19	0.07
312	07	35	13.27	37	13.45	122	1.67	8.11	1.2	10	0.05
312	08	44	40.33	37	4.57	121	52.05	16.07	1.4	29	0.07
312	10	42	30.39	37	17.43	122	4.35	5.88	0.9	5	0.05
312	12	17	40.78	37	13.39	121	45.68	8.01	2.0	62	0.11
312	13	45	23.60	37	36.61	122	26.52	6.78	2.4	44	0.22
312	14	53	27.26	36	58.58	122	16.22	3.05	1.9	16	0.07
312	15	15	34.27	36	44.75	121	26.09	4.89	0.9	16	0.08
312	17	08	45.70	36	56.55	121	42.80	9.91	2.2	75	0.12
312	17	50	15.50	36	57.59	121	33.62	2.07	1.8	44	0.13
312	18	31	43.73	37	19.44	122	5.98	0.04	1.5	13	0.29
312	19	28	1.85	36	56.56	121	42.27	9.34	1.9	45	0.10
312	21	03	20.63	36	58.14	121	35.02	3.28	2.7	70	0.11
312	22	34	36.44	37	1.01	121	46.28	10.12	2.2	68	0.09
312	23	59	42.19	37	6.13	121	49.19	4.79	1.7	34	0.07
313	00	47	1.87	36	58.01	121	34.77	3.21	1.8	47	0.11
313	01	21	5.21	37	19.52	122	8.05	4.11	1.0	13	0.07
313	01	44	12.08	36	54.54	121	28.03	7.73	1.3	49	0.12
313	02	05	17.19	36	52.06	121	31.59	4.03	2.5	72	0.18
313	05	40	13.41	37	14.56	122	2.74	7.60	1.1	8	0.04
313	10	16	51.50	37	19.91	122	7.59	5.90	1.0	4	0.01
313	13	09	24.37	37	0.65	121	45.10	9.64	1.7	39	0.08
313	18	55	37.28	37	3.83	121	47.89	9.35	2.3	80	0.11
313	20	34	0.59	37	19.65	122	6.13	0.15	1.2	4	0.08
313	23	14	41.79	37	38.63	122	28.40	7.39	1.7	12	0.05
313	23	14	57.50	37	38.63	122	28.44	7.52	2.0	13	0.05
314	00	31	15.27	36	58.25	121	43.53	15.04	2.6	79	0.10
314	01	09	7.83	36	58.03	121	38.55	9.87	1.4	30	0.08
314	02	11	59.57	37	14.09	122	1.62	8.17	2.2	64	0.10
314	03	42	3.47	36	41.36	121	19.02	5.71	2.5	67	0.08
314	04	14	18.66	37	14.56	122	0.81	5.14	1.0	12	0.05
314	08	05	52.17	37	9.02	121	55.92	6.72	1.9	41	0.09
314	14	24	59.20	36	56.08	121	29.86	2.29	2.7	82	0.15
314	20	28	8.37	37	13.85	122	8.14	8.88	1.7	9	0.16
314	21	59	2.56	36	57.54	121	39.72	8.83	1.6	32	0.11
314	22	07	51.96	37	13.92	122	8.31	8.84	1.8	15	0.15
314	22	27	6.66	37	13.66	122	8.30	7.14	1.0	6	0.10
314	22	36	12.71	37	14.02	122	2.01	8.19	1.2	15	0.05
315	00	26	42.57	36	57.38	121	39.83	8.60	1.3	25	0.08
315	05	58	57.50	36	58.05	121	34.74	1.43	1.4	22	0.08
315	09	11	53.75	37	2.88	121	47.67	3.95	0.9	11	0.07
315	11	43	54.19	36	57.23	121	39.85	13.82	2.3	80	0.14
315	12	19	23.46	36	52.85	121	35.48	4.82	2.6	81	0.17
315	13	53	9.04	37	5.14	121	49.35	9.34	2.0	57	0.08
316	05	20	5.32	37	22.54	122	10.06	3.50	1.2	7	0.06
316	07	22	50.09	37	6.12	121	51.91	4.45	1.6	31	0.09
316	10	20	43.47	36	55.99	121	38.51	10.06	1.6	44	0.09
316	12	36	13.04	36	58.50	121	36.39	4.20	1.0	20	0.10
316	14	44	58.73	36	44.95	121	27.85	14.41	2.0	57	0.17
316	15	19	47.54	36	58.89	121	44.53	15.76	2.4	92	0.11
316	18	10	53.58	36	56.88	121	39.74	12.51	2.9	83	0.13
316	20	54	1.77	36	57.32	121	39.69	8.23	1.1	17	0.08
317	00	09	31.32	37	13.77	122	8.42	8.89	1.9	28	0.10
317	02	23	23.76	36	50.47	121	33.13	4.95	2.6	79	0.17

317	03	28	2.85	37	14.02	122	2.55	5.01	0.9	7	0.04	322	00	08	33.05	36	59.24	121	46.02	14.57	2.0	67	0.08
317	04	11	27.30	36	27.67	121	2.16	5.66	2.7	55	0.07	322	03	26	53.43	36	45.38	121	23.29	6.26	1.5	26	0.11
317	06	51	32.04	37	3.28	121	50.31	6.16	1.4	23	0.06	322	06	30	17.34	37	9.05	121	58.63	9.04	2.1	54	0.10
317	07	24	15.85	37	1.46	121	48.82	2.26	1.0	7	0.06	322	07	06	30.41	37	14.73	122	2.83	9.09	1.2	15	0.05
317	07	42	16.19	36	55.84	121	38.70	10.76	2.1	66	0.12	322	11	04	46.43	37	38.61	122	28.53	7.92	1.4	11	0.05
317	07	46	9.40	37	6.57	121	58.21	15.33	1.6	30	0.09	322	11	19	33.01	37	6.56	122	0.27	12.06	1.9	48	0.08
317	11	32	51.31	37	13.87	122	8.31	8.87	1.6	17	0.15	322	12	35	23.11	37	10.58	122	1.97	11.01	1.4	20	0.08
317	18	29	58.63	36	59.68	121	46.23	14.45	1.7	30	0.05	322	12	58	21.00	37	2.34	121	48.74	10.51	1.3	24	0.04
317	18	32	48.46	37	20.89	122	8.38	4.13	1.3	11	0.06	322	18	08	4.97	36	56.94	121	39.22	10.43	1.8	47	0.08
317	20	58	45.13	37	26.42	122	10.30	7.40	1.2	7	0.15	322	20	55	45.29	36	57.08	121	32.68	3.69	1.0	16	0.09
317	21	29	51.93	37	2.56	121	47.96	4.58	1.0	6	0.02	322	21	00	15.60	36	57.16	121	32.78	3.87	0.9	18	0.08
317	23	42	12.66	36	55.80	121	38.29	10.97	1.8	67	0.08	322	22	20	47.65	36	57.57	121	38.99	5.15	1.6	36	0.12
318	00	03	0.42	37	5.91	121	51.65	5.39	1.7	36	0.08	323	00	26	19.49	37	22.03	122	8.79	3.85	1.5	17	0.06
318	01	24	17.42	36	58.11	121	34.98	1.32	1.3	18	0.11	323	01	10	22.95	36	56.42	121	39.64	7.76	1.0	20	0.10
318	01	26	24.70	36	57.65	121	33.81	2.90	1.2	22	0.08	323	11	46	1.73	36	57.40	121	39.84	8.76	1.2	27	0.07
318	02	50	18.72	36	57.66	121	33.81	2.67	1.8	47	0.11	323	12	11	17.36	37	10.19	122	0.20	9.10	1.2	18	0.07
318	02	54	32.48	36	50.80	121	18.35	4.81	1.0	19	0.04	323	13	31	21.52	36	58.31	121	38.70	8.68	1.3	28	0.06
318	04	50	51.63	37	10.57	121	57.53	5.20	2.3	66	0.12	323	15	24	42.54	36	58.07	121	38.22	4.77	1.4	18	0.09
318	06	33	36.27	37	1.08	121	44.76	6.85	1.8	50	0.09	323	16	04	38.40	37	5.30	121	48.83	4.10	2.1	77	0.10
318	06	48	38.79	37	1.33	121	49.32	14.84	1.2	11	0.04	323	21	40	34.15	37	25.61	121	46.61	10.05	1.5	28	0.05
318	08	41	32.10	37	13.84	122	8.36	9.42	2.0	50	0.11	324	06	13	0.65	37	8.01	121	54.93	12.42	1.8	55	0.11
318	09	06	34.74	37	14.47	122	2.42	6.72	1.8	25	0.10	324	06	16	4.16	37	8.37	121	54.87	11.52	1.4	25	0.07
318	09	41	13.82	37	13.90	122	8.31	9.33	1.2	14	0.16	324	07	14	40.07	37	37.57	122	1.41	3.75	1.5	10	0.14
318	16	11	22.08	37	19.93	122	7.24	4.13	0.8	6	0.03	324	07	51	38.47	37	4.37	121	48.39	7.74	1.5	26	0.06
318	17	33	50.05	36	49.52	121	31.75	5.83	3.1	82	0.15	324	09	22	17.57	36	57.30	121	39.67	9.09	1.1	29	0.08
318	17	39	7.72	36	49.44	121	31.92	4.27	1.7	37	0.17	324	09	45	42.63	37	17.97	122	5.48	5.98	2.0	48	0.08
318	20	41	54.92	37	5.44	121	50.31	5.60	2.7	78	0.08	324	10	11	47.98	36	59.29	121	46.21	15.03	1.6	50	0.06
318	20	53	10.19	37	5.55	121	50.41	5.39	1.5	25	0.05	324	17	20	18.55	36	59.47	121	44.56	14.49	1.5	19	0.06
318	21	16	42.54	37	5.47	121	50.44	5.72	3.4	85	0.09	324	17	39	57.60	36	55.47	121	38.20	8.15	2.7	79	0.15
318	21	30	34.71	36	58.18	121	37.24	3.40	1.6	25	0.10	324	23	38	55.26	36	57.94	121	34.37	1.56	1.4	21	0.06
318	23	08	24.79	37	6.76	121	52.27	3.25	1.5	30	0.07	325	04	45	1.53	37	18.02	122	5.46	6.00	1.6	26	0.07
319	05	53	41.47	37	17.52	122	3.95	4.67	1.6	24	0.08	325	04	46	31.01	37	3.31	121	29.12	8.61	2.1	79	0.07
319	09	38	9.18	36	59.19	121	37.55	3.34	1.5	33	0.10	325	06	07	28.38	36	58.82	121	36.37	1.73	1.5	29	0.09
319	10	05	3.80	37	4.11	121	53.20	14.37	2.5	83	0.08	325	06	28	17.55	36	57.51	121	39.97	8.38	1.4	35	0.13
319	10	08	41.64	37	4.03	121	53.17	13.82	2.4	79	0.11	325	06	30	18.45	36	57.48	121	39.81	8.88	1.3	29	0.08
319	11	39	4.96	37	17.87	122	5.16	5.84	1.5	17	0.06	325	09	55	58.88	37	9.20	121	58.98	13.72	1.5	24	0.06
319	14	37	38.02	37	6.50	121	50.47	4.14	1.6	28	0.08	325	11	38	27.83	36	57.18	121	39.51	10.37	1.5	41	0.08
320	04	59	28.95	37	11.33	122	2.59	12.34	2.9	82	0.11	325	14	42	16.79	37	17.89	122	5.46	5.65	1.7	28	0.08
320	08	27	28.78	37	15.31	122	1.13	5.22	1.3	16	0.07	325	18	42	17.21	37	19.91	122	6.11	0.02	1.8	8	0.10
320	09	38	2.49	37	8.87	121	58.76	10.84	2.0	61	0.09	325	22	41	37.22	37	5.54	121	55.99	13.27	2.3	74	0.11
320	09	43	21.59	37	6.29	121	58.29	17.78	1.6	45	0.08	326	01	06	37.24	37	15.64	122	3.72	4.50	1.8	26	0.12
320	14	07	40.15	37	12.23	122	2.34	11.73	2.4	79	0.11	326	01	35	44.62	37	1.85	121	49.73	13.98	1.4	21	0.06
320	14	36	36.76	37	2.99	121	48.87	5.74	1.7	33	0.07	326	02	09	31.37	37	4.75	121	54.47	12.91	1.6	33	0.08
320	15	42	32.53	37	2.87	121	48.89	6.22	1.3	14	0.04	326	05	29	31.96	37	16.44	122	3.79	5.88	1.0	6	0.02
320	17	10	14.25	36	58.03	121	42.76	14.94	2.7	84	0.11	326	12	02	6.32	37	11.04	121	58.49	4.62	1.9	34	0.10
320	18	31	12.09	37	19.60	122	5.91	0.02	1.5	6	0.07	326	12	13	52.17	37	4.51	121	48.37	9.28	1.6	26	0.06
320	20	21	46.05	37	13.87	122	8.16	8.44	1.6	11	0.15	326	17	57	11.54	36	56.71	121	39.36	11.31	2.0	70	0.12
320	20	50	33.97	36	27.80	121	2.19	6.34	2.7	66	0.07	326	23	09	8.82	37	2.26	121	48.43	4.16	0.7	4	0.00
321	13	41	23.15	37	15.12	122	1.26	4.44	1.1	9	0.07	326	23	53	42.96	36	59.17	121	42.82	8.05	1.6	39	0.08
321	14	15	46.61	37	15.13	122	1.10	4.48	1.2	11	0.07	327	02	00	18.31	37	37.17	122	28.51	9.23	1.9	16	0.09
321	14	31	36.39	37	3.87	121	47.64	8.32	1.9	59	0.12	327	07	36	36.34	37	14.03	122	1.93	7.33	1.2	11	0.07
321	15	59	22.78	37	3.44	121	49.37	6.03	1.4	20	0.07	327	08	42	53.44	37	7.89	121	59.46	15.15	1.6	37	0.10
321	19	32	18.67	37	3.57	121	47.57	8.88	2.6	80	0.14	327	10	02	13.69	37	3.13	121	48.41	4.00	1.8	12	0.07
321	19	33	25.65	37	4.12	121	47.52	7.41	2.0	46	0.08	327	11	15	0.58	37	3.09	121	48.33	4.33	1.1	12	0.07
321	19	35	18.95	37	3.83	121	47.67	8.88	2.2	70	0.13	327	14	37	55.50	36	56.33	121	38.81	10.05	1.7	49	0.09
321	19	49	34.77	37	3.81	121	47.34	8.35	1.9	57	0.10	327	19	38	34.73	37	2.65	121	48.12	5.64	2.1	49	0.09
321	21	16	59.62	37	4.02	121	47.63	7.59	1.6	24	0.07	327	21	58	24.80	36	53.26	121	35.80	4.53	2.7	82	0.18
321	21	45	31.83	37	22.74	122	9.63	4.05	1.5	11	0.05	328	05	35	16.65	37	9.46	121	58.40	8.37	1.6	36	0.09
321	21	49	1.89	37	19.58	122	6.39	0.04	1.9	24	0.20	328	06	12	25.13	37	32.86	121	51.35	5.57	1.4	14	0.06
321	22	03	22.97	37	2.74	121	47.72	5.97	1.3	12	0.07	328	07	58	42.76	37	13.61	121	56.70	3.33	1.2	14	0.10
321	23	30	50.39	36	57.39	121	39.30	5.79	1.6	45	0.13	328	08	28	53.82	36	57.63	121	40.00	9.22	1.4	33	0.07
321	23	38	46.85	37	15.59	122	2.25	3.55	0.9	6	0.03	328	10	58	28.25	37	14.42	122	2.25	9.64	0.9	5	0.02
321	23	44	6.25	36	45.48	121	26.31	5.02	2.1	54	0.19	328	11	48	45.13	37	2.24	121	46.80	5.51	0.9	15	0.05
												328	13	42	51.82	37	3.16	121	48.45	5.82	1.4	24	0.06

328	14	26	50.25	37	45.74	122	33.18	15.31	1.5	19	0.06	335	13	06	14.77	36	41.76	121	19.51	5.42	2.8	77	0.09
328	16	10	31.13	37	18.10	122	3.25	4.92	1.2	9	0.06	335	14	06	19.66	36	41.58	121	19.23	4.74	2.6	69	0.08
328	16	38	5.81	36	58.78	121	36.22	2.02	1.4	29	0.10	335	15	05	43.17	37	2.83	121	47.37	6.61	1.2	10	0.08
328	18	04	16.04	37	14.31	122	2.06	7.84	1.2	13	0.05	335	15	27	44.92	37	18.44	122	1.13	9.70	1.4	14	0.30
328	20	05	59.78	37	14.64	122	2.76	8.83	1.2	11	0.07	335	19	50	47.27	37	19.51	122	5.92	0.03	1.6	19	0.19
328	20	34	42.09	37	7.28	121	52.04	3.30	1.5	27	0.09	335	19	51	26.80	37	1.92	121	46.39	0.89	0.7	5	0.24
328	22	06	43.28	37	11.44	122	2.88	12.46	2.0	56	0.10	335	21	13	57.23	36	57.20	121	49.88	4.63	1.5	36	0.10
329	08	56	23.65	37	6.15	121	46.18	4.35	2.8	91	0.12	335	22	10	34.04	37	19.52	121	41.35	7.28	1.6	36	0.06
329	09	00	31.19	37	6.25	121	46.26	4.09	2.4	81	0.09	336	10	02	9.62	37	7.29	121	58.33	14.06	1.7	46	0.09
329	09	50	21.37	37	6.19	121	46.19	4.52	2.9	87	0.10	336	12	37	28.32	37	6.14	121	58.56	18.29	1.8	52	0.09
329	18	23	50.29	37	11.56	122	2.44	10.92	1.4	16	0.09	336	18	00	3.19	36	39.00	121	15.99	5.82	2.6	71	0.10
329	20	52	37.89	37	2.19	121	47.41	8.53	1.0	11	0.06	336	19	22	38.71	36	58.32	121	50.44	8.14	1.3	21	0.10
329	20	57	46.79	36	56.78	121	32.71	0.02	0.7	8	0.16	336	20	02	0.38	37	13.96	122	1.92	9.86	3.5	91	0.13
329	22	31	39.16	37	3.95	121	47.68	7.13	2.0	50	0.10	336	21	15	4.99	37	14.97	122	2.16	6.34	1.1	7	0.06
330	02	13	4.64	36	57.61	121	33.50	4.11	1.3	26	0.11	336	21	24	24.37	36	59.44	121	45.85	15.66	1.2	18	0.04
330	02	32	15.46	36	59.03	121	44.94	15.38	1.5	28	0.06	336	21	42	48.51	37	32.87	121	55.71	4.88	1.4	15	0.06
330	06	31	30.67	36	58.04	121	42.11	13.98	1.3	31	0.06	337	04	51	23.66	37	18.60	122	6.96	4.35	1.0	6	0.04
330	07	43	19.12	36	57.06	121	39.67	8.96	2.5	81	0.15	338	03	58	45.03	37	19.80	122	6.21	0.19	1.4	20	0.07
330	08	52	20.98	37	25.37	121	41.62	8.09	2.8	85	0.07	338	07	43	43.23	37	16.09	122	1.07	4.12	1.5	23	0.07
330	10	25	29.37	36	58.99	121	45.53	14.84	1.5	30	0.05	338	11	08	2.77	37	14.38	121	57.91	3.06	1.7	24	0.07
330	11	04	36.31	36	56.86	121	39.37	8.64	1.7	50	0.10	338	13	15	41.56	37	9.49	122	2.66	14.30	1.7	35	0.08
330	13	02	56.38	36	58.89	121	45.39	15.02	1.8	42	0.06	338	14	09	55.75	37	12.18	122	2.71	9.08	1.4	20	0.06
330	22	02	6.71	37	38.65	122	28.94	8.65	1.9	13	0.04	338	21	23	58.55	37	13.61	122	1.67	8.58	1.4	19	0.06
330	23	34	56.70	37	15.71	122	8.54	3.76	1.0	6	0.03	339	08	13	56.89	37	10.95	122	0.20	8.78	1.7	27	0.09
331	02	08	35.20	36	58.53	121	41.31	8.45	1.6	31	0.05	339	12	07	11.22	37	10.52	121	59.61	8.11	2.0	59	0.09
331	04	02	36.26	37	14.82	122	2.56	4.97	1.4	23	0.09	339	13	32	17.28	37	2.09	121	48.83	3.51	1.1	10	0.07
331	10	23	40.41	37	19.49	122	11.64	8.13	1.2	10	0.04	339	19	28	5.32	37	19.27	122	5.90	0.02	1.9	17	0.28
331	11	51	31.87	37	19.86	121	41.73	6.77	2.0	62	0.06	339	22	00	2.63	36	55.77	121	38.70	10.47	2.5	77	0.12
331	14	47	25.38	36	57.42	121	40.19	13.86	1.4	33	0.09	340	10	22	38.84	36	59.79	121	46.90	15.00	1.5	33	0.07
332	00	04	48.05	36	57.88	121	42.11	13.81	1.4	35	0.07	340	18	58	10.92	37	19.63	122	5.77	0.02	2.1	17	0.26
332	01	01	37.78	36	53.48	121	36.20	4.70	2.0	56	0.20	341	04	32	9.55	37	8.81	121	59.44	11.71	2.1	53	0.08
332	05	44	51.79	37	13.31	122	1.74	8.41	1.2	13	0.07	342	03	02	2.88	37	13.87	122	1.79	8.21	1.4	18	0.07
332	06	48	13.92	37	8.47	121	59.31	14.11	1.8	43	0.07	342	18	36	25.90	37	19.55	122	5.81	0.08	1.6	6	0.07
332	10	23	34.37	37	4.40	121	54.21	13.24	1.6	30	0.08	343	05	11	28.32	36	58.26	121	39.93	5.78	1.4	35	0.10
332	10	34	12.75	37	3.50	121	51.18	12.30	1.6	33	0.08	343	05	12	25.06	36	58.27	121	40.21	5.60	1.7	43	0.13
332	13	12	31.76	37	2.51	121	47.44	6.11	1.3	14	0.06	343	07	29	36.56	37	17.34	122	6.00	4.14	2.1	51	0.10
332	15	34	27.73	37	22.17	121	45.47	2.09	2.3	62	0.08	343	18	53	14.68	37	3.39	121	29.06	8.99	2.2	80	0.06
332	17	27	24.06	37	1.10	121	46.30	10.08	1.6	35	0.06	343	18	55	1.23	37	3.49	121	29.10	8.81	1.5	35	0.08
332	19	12	55.91	37	19.61	122	6.21	0.04	1.6	12	0.10	344	01	51	9.02	37	7.21	121	58.07	14.58	1.9	61	0.08
332	20	23	53.98	37	5.04	121	49.69	5.97	1.5	24	0.05	344	08	01	51.84	37	7.81	121	58.22	13.86	2.1	74	0.09
332	21	34	23.04	37	19.47	122	5.76	0.02	1.8	5	0.09	344	08	42	54.00	36	59.62	121	39.62	3.09	2.5	81	0.15
332	23	40	16.97	37	23.26	122	9.73	4.91	1.4	14	0.08	344	12	25	9.91	37	0.93	121	49.94	16.89	1.7	41	0.07
333	00	47	39.99	37	2.08	121	48.61	6.06	1.1	10	0.05	344	16	16	4.94	36	57.60	121	33.52	2.60	1.2	29	0.09
333	04	05	10.12	37	41.81	121	59.94	8.47	1.7	33	0.14	344	18	18	7.56	37	1.22	121	49.41	16.27	1.7	45	0.08
333	09	56	22.20	37	20.82	122	6.60	4.08	1.5	16	0.07	345	09	41	35.07	36	58.74	121	38.00	3.16	2.1	42	0.08
333	09	59	56.23	37	3.41	121	49.61	10.02	1.5	25	0.06	345	11	44	18.64	37	1.36	121	49.49	16.56	1.5	13	0.04
333	19	44	40.05	37	4.19	121	53.97	13.95	2.0	54	0.09	345	13	24	48.48	36	57.20	121	39.53	9.63	1.4	26	0.07
333	22	13	27.73	37	1.57	121	48.77	13.18	1.4	18	0.04	345	13	28	31.04	36	57.65	121	33.56	2.08	1.5	34	0.10
333	23	11	28.60	36	55.12	121	38.02	10.16	2.3	82	0.13	345	14	38	31.79	36	57.46	121	33.45	2.70	1.3	16	0.07
334	03	45	49.20	37	19.94	122	6.21	0.63	1.2	6	0.06	345	18	06	11.41	36	56.77	121	31.12	4.01	2.3	85	0.14
334	07	18	26.75	37	10.48	121	54.75	10.99	1.6	32	0.07	345	18	08	58.29	36	56.74	121	31.54	2.63	0.0	15	0.09
334	08	42	46.41	37	15.02	122	2.69	2.35	0.9	4	0.00	345	18	09	2.86	36	56.89	121	31.47	2.65	1.6	44	0.16
334	08	49	54.60	36	56.93	121	39.57	10.10	1.9	57	0.13	345	23	55	34.02	36	48.15	121	24.73	9.89	2.3	66	0.10
334	09	50	40.55	36	43.15	121	22.35	5.09	3.6	97	0.36	346	03	52	1.00	37	8.49	121	59.07	12.98	3.2	92	0.09
334	11	24	38.24	37	14.75	122	2.33	9.21	1.2	18	0.06	346	20	51	34.40	37	19.33	122	6.12	0.03	1.8	24	0.14
334	15	20	58.46	36	56.63	121	39.20	11.24	2.0	62	0.10	347	04	15	31.98	37	14.83	121	38.03	3.68	2.3	84	0.06
334	17	29	8.88	37	5.82	121	46.07	2.95	1.1	9	0.06	347	05	33	46.06	37	17.31	121	39.94	3.48	1.8	49	0.07
335	03	50	53.21	37	6.48	121	50.45	4.28	1.5	31	0.07	347	12	00	1.80	37	16.45	122	3.00	4.08	1.9	36	0.09
335	04	19	0.35	37	18.74	122	5.77	5.67	0.8	6	0.03	347	15	06	48.32	37	27.71	121	43.76	6.97	1.7	33	0.04
335	05	54	42.36	36	57.06	121	32.22	1.19	1.3	26	0.13	347	21	16	0.48	37	19.35	122	5.99	0.02	1.9	24	0.14
335	11	16	50.03	36	41.59	121	19.26	6.56	3.5	80	0.09	347	23	55	45.38	36	57.17	121	39.55	10.21	1.6	46	0.08
335	11	26	22.17	36	41.39	121	19.04	6.71	3.4	83	0.09	348	01	45	54.05	36	51.96	121	34.64	5.77	2.2	65	0.15
335	12	37	43.17	36	41.54	121	19.17	6.86	4.3	83	0.11	348	05	18	19.88	37	10.38	121	34.16	3.82	2.1	73	0.07

348	05	44	42.89	37	32.75	121	51.37	6.04	1.6	25	0.07
348	15	24	15.75	37	4.56	121	48.67	10.23	1.9	36	0.09
348	18	04	10.30	37	14.17	122	1.21	7.58	2.1	59	0.11
348	18	58	36.83	37	32.70	121	51.45	6.08	1.9	43	0.11
348	20	44	52.17	37	19.55	122	6.33	0.03	1.7	13	0.24
348	21	40	26.11	37	11.96	121	56.90	3.50	1.7	30	0.07
348	21	42	10.51	36	52.96	121	24.88	8.10	2.0	58	0.10
348	22	00	7.49	36	58.35	121	35.61	2.67	1.3	23	0.08
349	05	42	58.84	36	59.22	121	37.49	2.46	2.7	65	0.12
349	05	43	10.89	36	59.23	121	37.44	2.21	2.6	52	0.15
349	08	38	32.79	36	49.59	121	31.69	4.10	2.6	67	0.15
349	09	03	29.27	37	24.55	121	46.13	6.53	1.1	14	0.04
349	09	18	2.92	37	7.41	121	31.39	8.62	1.6	43	0.06
350	04	53	28.92	36	57.92	121	34.63	6.10	1.2	26	0.09
350	06	05	31.95	36	57.90	121	34.62	5.72	1.1	25	0.07
350	10	12	17.43	36	58.53	121	43.62	15.05	1.5	62	0.06
350	11	20	40.67	37	21.29	121	43.19	6.24	2.4	86	0.06
350	14	07	39.73	37	21.30	121	43.10	5.79	1.3	13	0.07
350	18	40	49.18	37	21.62	121	45.22	1.75	0.9	7	0.03
351	02	15	42.48	37	14.68	122	1.83	8.53	1.3	23	0.06
351	03	27	47.67	37	24.22	121	45.59	7.75	1.8	57	0.06
351	08	14	14.57	37	3.99	121	45.68	4.01	1.5	32	0.07
351	08	41	43.04	36	40.45	121	17.49	4.06	2.7	75	0.08
351	12	16	18.64	37	1.24	121	28.54	6.68	1.7	58	0.09
351	16	55	58.93	36	51.45	121	34.01	5.23	2.7	81	0.15
351	18	09	8.35	37	21.23	121	43.14	6.02	0.9	12	0.04
351	20	58	36.59	37	3.17	121	55.13	18.10	3.2	2	0.11
351	21	41	36.16	36	59.15	121	37.92	4.15	1.4	28	0.08
352	04	30	26.56	36	55.63	121	33.21	5.58	1.2	21	0.09
352	07	03	29.78	36	57.16	121	39.53	10.60	1.5	40	0.08
352	09	19	7.97	36	58.94	121	38.24	4.96	1.4	31	0.08
352	17	07	30.59	36	42.09	121	19.94	6.02	3.9	80	0.11
352	17	37	33.53	37	1.86	121	28.82	7.54	1.7	51	0.07
353	02	04	37.18	36	45.11	121	27.42	15.29	2.2	70	0.14
353	13	50	50.89	37	1.82	121	47.23	11.73	1.4	49	0.08
353	13	50	59.88	36	55.02	121	38.27	7.48	2.3	56	0.21
353	20	08	7.16	37	17.66	121	40.47	1.88	1.4	19	0.04
353	22	55	50.38	37	8.63	121	58.86	11.37	2.3	63	0.08
353	23	00	49.85	36	41.69	121	19.43	5.25	2.8	73	0.09
354	04	26	15.04	37	13.33	122	1.92	6.42	1.0	6	0.06
354	06	06	7.63	37	10.74	121	57.80	5.00	1.7	23	0.05
354	14	57	29.17	37	24.65	121	46.27	5.72	1.7	28	0.05
354	19	49	37.14	37	11.85	121	56.91	3.60	2.4	73	0.09
355	01	06	57.23	37	11.89	121	56.95	3.40	1.5	20	0.05
355	09	18	7.34	36	39.63	121	16.45	3.51	3.0	74	0.09
355	11	27	28.42	37	6.69	121	31.17	7.73	2.8	88	0.06
355	11	36	29.61	37	6.53	121	31.10	7.50	2.4	88	0.06
355	18	58	40.23	37	19.35	122	5.98	0.02	1.9	25	0.16
355	21	38	50.28	37	5.88	121	53.86	8.88	1.1	7	0.05
356	00	13	44.30	37	12.89	122	3.42	11.53	1.9	47	0.07
356	01	11	5.80	36	59.52	122	14.26	10.41	2.3	67	0.16
356	02	23	55.67	37	6.30	121	54.60	9.93	1.2	20	0.05
356	03	48	23.27	37	9.03	121	55.37	3.89	0.9	7	0.04
356	04	06	44.81	37	8.29	121	59.12	13.05	2.1	67	0.10
356	06	04	40.79	37	1.60	121	49.50	15.12	1.4	19	0.05
356	06	17	34.05	37	14.50	121	57.86	2.46	1.7	27	0.07
356	07	13	41.06	37	7.67	121	54.47	4.27	1.8	39	0.07
356	08	56	22.89	37	6.72	121	50.25	3.70	1.1	23	0.06
356	09	16	44.44	37	6.68	121	49.75	3.34	0.7	5	0.04
356	11	47	13.55	37	3.32	121	50.03	5.47	1.0	11	0.05
356	17	28	14.15	36	59.86	121	49.78	11.68	1.2	17	0.07
356	18	09	3.27	37	4.62	121	54.01	13.63	1.3	14	0.03
356	18	32	35.03	36	57.96	121	42.70	14.88	1.4	21	0.06
357	01	02	0.27	37	6.87	121	53.38	6.92	1.0	15	0.06
357	03	03	40.92	37	9.67	122	0.39	10.89	1.4	18	0.08
357	05	16	35.37	37	7.73	121	55.10	5.06	1.0	4	0.04
357	05	30	20.77	37	22.06	122	8.70	5.95	1.2	17	0.07
357	05	59	17.24	36	59.61	121	46.64	15.67	1.6	36	0.06
357	07	18	23.60	37	5.82	121	54.10	9.66	0.9	5	0.00
357	11	20	48.90	37	3.72	121	55.82	18.31	2.4	85	0.09
357	11	33	0.86	37	3.83	121	55.62	18.45	1.6	38	0.08
357	12	07	17.63	37	24.26	121	45.73	5.72	1.2	17	0.04
357	17	42	32.89	37	6.65	121	55.12	6.05	1.6	26	0.07
357	20	41	30.08	37	3.86	121	55.64	18.33	1.8	42	0.09
357	21	07	4.75	37	21.23	121	43.14	5.56	1.0	20	0.07
357	23	09	53.87	37	3.95	121	55.12	17.73	1.3	17	0.03
357	23	52	50.31	37	19.06	121	55.00	9.24	2.3	85	0.10
358	06	41	17.49	37	9.00	121	58.18	9.60	1.6	31	0.07
358	16	46	40.94	37	6.20	121	51.15	4.30	1.8	39	0.07
359	09	03	27.86	37	4.51	121	53.80	14.13	1.1	15	0.03
359	10	48	40.30	37	21.43	121	43.19	8.30	1.6	46	0.06
359	10	53	51.57	37	10.80	122	0.25	8.71	1.4	20	0.05
359	14	57	50.60	37	13.81	122	8.57	8.92	2.2	53	0.13
359	22	29	26.41	36	56.68	121	39.11	11.42	1.4	43	0.09
360	00	53	34.80	36	49.90	121	32.33	4.60	2.1	62	0.16
360	02	20	18.50	36	38.38	121	15.06	5.88	2.4	61	0.06
360	15	43	10.89	37	10.27	121	59.08	7.87	1.3	14	0.04
360	22	10	42.48	37	0.91	121	55.92	4.90	2.0	53	0.11
360	22	46	41.62	37	11.86	122	3.11	14.28	3.1	86	0.10
361	04	33	38.33	36	57.07	121	39.52	10.14	1.3	29	0.09
361	04	37	45.60	37	0.20	121	55.46	2.62	1.3	5	0.02
361	07	42	42.53	37	24.79	122	10.33	1.88	1.5	15	0.13
361	08	42	58.92	37	21.80	121	43.72	4.71	1.0	15	0.05
361	10	38	46.61	37	6.57	121	51.71	3.38	0.7	4	0.00
361	12	25	18.54	37	7.83	121	58.32	12.60	1.4	26	0.04
361	12	37	24.62	36	57.46	121	40.06	9.14	1.5	53	0.13
361	12	45	1.70	36	57.48	121	39.73	8.78	1.4	36	0.08
361	14	32	22.77	37	24.39	121	45.89	7.29	1.3	24	0.04
361	16	10	1.26	37	11.73	122	3.28	14.74	3.1	92	0.11
361	16	22	13.50	37	10.75	121	57.97	4.51	2.8	85	0.14
361	19	09	45.07	37	19.49	122	5.99	0.02	1.6	8	0.13
361	20	08	51.66	37	5.86	121	53.47	4.32	0.8	6	0.06
362	04	51	42.37	36	59.34	121	45.98	14.65	1.4	22	0.04
362	05	14	56.01	36	58.48	121	40.96	8.11	1.4	28	0.07
362	05	34	8.90	37	12.10	122	2.86	12.59	1.8	42	0.07
362	06	11	45.75	37	14.17	121	37.32	5.57	1.9	49	0.07
362	09	44	44.00	37	0.77	121	57.28	3.67	1.6	17	0.14
362	11	02	47.53	36	58.55	121	43.70	13.40	1.8	47	0.07
362	13	48	42.79	37	6.56	121	51.55	3.62	1.1	16	0.07
362	16	14	50.69	36	57.07	121	39.41	9.37	1.1	17	0.09
362	18	16	28.85	36	54.51	121	36.78	3.29	1.8	46	0.21
362	18	59	52.79	36	51.04	121	33.73	4.77	1.7	48	0.20
362	19	04	3.00	37	20.10	122	6.23	0.42	1.4	5	0.05
363	00	36	55.30	37	7.97	121	59.26	14.27	1.8	45	0.13
363	02	08	53.85	37	11.77	122	2.70	10.04	1.9	46	0.09
363	04	06	45.05	37	2.21	121	48.56	6.26	1.0	12	0.05
363	08	39	39.03	36	58.78	121	44.57	15.53	3.0	92	0.12
363	09	00	44.40	37	9.70	121	58.13	8.81	2.0	48	0.08
363	09	10	51.83	37	11.47	122	2.90	12.63	1.5	17	0.06
363	09	28	30.13	37	3.87	121	51.96	10.44	1.2	11	0.03
363	10	16	38.98	37	17.48	122	3.93	3.78	1.9	29	0.10
363	11	32	31.50	37	11.77	122	3.41	12.01	2.0	53	0.11
363	15	35	37.64	37	8.73	121	59.04	13.23	1.6	28	0.07
363	15	45	12.14	37	5.34	121	54.88	12.40	1.2	13	0.03
363	16	45	8.64	37	6.45	121	31.05	6.95	2.1	69	0.07
363	21	33	42.09	36	40.27	121	17.76	3.95	1.4	18	0.05

363	21	34	57.78	36	56.96	121	39.51	10.43	1.8	61	0.11
364	06	19	29.35	37	17.64	121	40.23	3.02	1.7	42	0.07
364	08	07	35.51	37	7.23	121	54.59	2.72	1.2	14	0.05
364	08	26	3.98	37	12.05	122	3.03	12.77	1.4	28	0.06
364	09	35	53.40	37	8.47	121	59.29	13.59	1.8	45	0.08
364	10	32	19.01	37	4.72	121	55.58	14.58	1.4	18	0.05
364	12	49	51.70	36	50.45	121	32.57	1.22	2.4	64	0.21
364	13	16	39.14	36	57.30	121	32.46	3.76	1.7	57	0.14
364	21	03	32.37	36	49.12	121	31.40	5.62	2.0	60	0.18
364	21	41	12.77	36	40.48	121	18.12	6.35	2.0	57	0.06
364	23	24	27.29	37	7.21	121	54.33	3.78	1.4	20	0.07
365	06	48	50.31	36	58.48	121	35.71	2.76	3.0	87	0.11
365	07	08	29.96	36	56.90	121	34.24	5.82	2.1	70	0.12
365	08	13	9.16	36	58.53	121	35.81	2.91	3.1	87	0.11
365	11	45	8.75	37	12.06	122	3.04	13.17	1.5	26	0.07
365	15	14	8.56	37	8.97	121	58.43	10.38	1.1	6	0.01
365	17	52	31.09	37	7.84	121	54.30	4.30	0.9	5	0.01
365	18	27	42.00	37	7.36	121	57.98	14.07	1.7	48	0.08
365	21	14	44.07	36	56.86	121	39.62	11.76	2.7	86	0.13
365	22	03	24.99	36	49.44	121	32.10	5.43	1.9	56	0.20
001	02	03	1.58	36	59.25	121	43.65	11.57	1.5	33	0.07
001	04	14	12.42	36	52.90	121	24.83	8.18	2.3	76	0.12
001	08	05	20.70	37	6.87	121	52.49	3.67	1.7	38	0.08
001	08	32	25.58	37	8.47	121	59.19	12.19	1.5	25	0.06
001	13	22	47.49	36	59.80	121	48.04	16.29	2.5	79	0.10
001	14	14	20.55	36	48.53	121	30.84	6.34	2.1	64	0.15
001	14	20	4.16	37	0.04	121	47.59	16.67	1.3	25	0.04
001	18	40	26.98	37	5.57	121	49.25	3.67	2.0	57	0.09
001	20	47	19.92	36	50.17	121	24.59	7.83	1.1	19	0.07
002	03	10	7.67	36	41.53	121	19.24	4.33	2.4	61	0.07
002	04	55	43.52	37	10.80	121	57.26	5.85	1.2	19	0.06
002	07	49	5.08	37	10.93	121	57.39	6.00	1.8	31	0.07
002	08	01	11.47	37	3.82	121	47.59	8.17	2.5	75	0.13
002	09	01	10.50	37	3.85	121	47.66	8.25	2.1	56	0.10
002	09	09	26.49	37	7.75	121	58.45	13.47	1.5	20	0.04
002	11	39	34.97	37	6.51	121	51.63	4.55	1.5	26	0.08
002	16	08	50.98	36	49.93	121	24.62	7.45	1.4	24	0.06
002	23	28	31.29	37	21.95	122	7.82	0.02	1.2	5	0.13
003	05	53	34.07	37	8.90	121	57.64	8.37	1.4	18	0.05
003	07	07	51.33	37	4.19	121	47.86	7.83	1.7	45	0.10
003	11	14	15.66	37	2.18	121	48.72	6.67	1.7	28	0.07
003	16	42	53.36	36	43.57	121	19.12	9.18	1.7	27	0.05
003	18	12	13.90	36	46.03	121	23.93	9.00	0.9	10	0.04
003	18	36	52.38	37	20.31	122	6.38	0.44	1.8	7	0.07
003	18	49	31.06	37	7.50	121	47.96	5.83	0.8	4	0.00
003	18	58	48.04	37	32.14	121	51.38	6.52	2.0	49	0.08
003	21	36	27.86	36	59.57	121	41.04	10.26	1.5	33	0.08
003	22	18	54.66	37	13.52	122	8.36	7.87	1.5	10	0.10
003	22	21	29.69	36	45.48	121	34.95	3.47	2.0	57	0.14
003	22	44	59.38	37	14.36	122	2.44	6.21	1.7	24	0.08
004	02	07	30.08	36	59.24	121	41.92	6.56	1.8	53	0.11
004	03	28	3.38	37	8.77	121	58.96	11.78	1.2	14	0.05
004	04	19	38.95	37	7.27	121	54.76	8.14	1.2	16	0.04
004	06	44	40.52	36	58.49	121	35.87	2.57	1.4	34	0.09
004	09	14	38.65	36	46.48	121	27.68	7.82	1.0	20	0.11
004	10	34	34.71	36	32.19	121	5.97	7.64	1.6	27	0.06
004	11	12	31.89	36	44.55	121	25.43	6.49	1.0	16	0.10
004	12	21	42.14	36	56.33	121	31.64	0.03	1.0	14	0.19
004	14	44	38.75	37	23.21	122	8.00	3.66	1.6	16	0.05
004	20	28	20.64	37	19.34	122	6.01	0.03	1.7	27	0.12
005	07	05	20.23	36	43.49	121	19.05	9.60	2.1	54	0.09
005	09	39	38.89	36	51.81	121	34.25	5.23	2.3	71	0.12
005	10	29	32.43	37	22.55	122	9.06	4.41	1.9	31	0.08
005	10	55	24.51	37	22.26	122	9.44	3.12	0.7	4	0.00
005	11	32	48.71	36	41.37	121	18.95	4.03	2.6	75	0.09
005	17	31	36.08	37	5.69	121	51.02	5.00	2.2	51	0.07
005	20	21	42.34	36	35.29	121	10.81	3.61	2.4	58	0.08
005	23	05	19.91	36	46.88	121	26.73	8.08	0.8	10	0.02
006	02	50	22.72	37	2.22	121	48.95	6.74	1.6	28	0.07
006	10	23	28.65	36	43.53	121	19.16	9.70	1.9	51	0.09
006	15	44	13.28	36	43.51	121	19.00	9.89	2.0	46	0.07
006	15	53	57.31	37	22.28	122	9.23	3.30	1.0	5	0.02
007	00	13	54.17	36	43.57	121	19.07	10.32	1.7	35	0.06
007	15	03	9.14	37	14.54	121	37.56	5.37	2.3	87	0.07
007	20	26	1.48	37	3.06	121	48.47	6.62	1.3	17	0.07
007	21	00	53.10	36	56.88	121	39.46	10.13	1.8	66	0.12
007	23	20	9.79	36	55.89	121	32.55	5.83	1.0	22	0.10
007	23	57	30.99	36	58.96	121	36.78	2.87	2.4	68	0.11
008	01	42	53.39	36	43.47	121	19.07	9.82	2.2	61	0.09
008	02	52	30.10	36	59.44	121	45.91	15.37	2.1	72	0.08
008	04	51	11.78	36	58.71	121	36.37	3.14	1.4	34	0.10
008	09	30	44.26	36	52.27	121	34.92	5.10	2.8	85	0.16
008	18	48	9.08	37	19.56	122	6.14	0.02	1.6	10	0.15
009	07	19	18.17	37	10.65	121	58.20	5.28	1.8	31	0.06
009	12	22	54.90	37	10.25	122	1.08	11.46	1.9	49	0.09
009	21	25	11.45	37	13.75	122	1.58	7.29	1.2	14	0.12
009	22	52	46.60	37	7.11	121	31.43	6.55	1.7	44	0.06
009	23	14	48.70	36	41.69	121	19.67	5.19	1.6	30	0.05
010	09	31	10.11	37	27.17	121	47.02	7.50	2.0	42	0.09
010	16	07	6.03	37	2.17	121	47.45	8.52	2.3	71	0.09
010	19	04	26.68	37	17.80	122	0.76	7.50	1.2	7	0.03
010	20	27	0.16	37	19.44	122	5.98	0.03	1.8	21	0.15
010	21	52	49.49	37	8.50	121	58.95	12.30	2.2	52	0.07
011	06	45	9.13	37	18.64	122	5.95	6.45	1.0	6	0.03
011	09	26	17.94	36	58.86	121	41.20	6.56	1.5	29	0.07
011	14	20	52.18	36	47.16	121	22.28	3.36	1.0	17	0.05
011	17	23	15.12	36	47.12	121	22.22	3.85	1.8	45	0.11
011	21	05	14.41	36	43.72	121	19.46	9.25	1.1	17	0.04
012	00	55	30.28	36	59.00	121	36.81	2.49	1.9	52	0.10
012	06	12	14.11	36	45.94	121	25.13	8.12	1.0	15	0.09
012	08	15	34.04	37	6.71	121	50.12	4.21	1.5	25	0.08
012	08	28	8.21	37	21.60	122	7.51	4.08	1.2	8	0.07
012	14	37	27.17	36	59.26	121	46.06	14.69	1.7	46	0.05
012	17	59	46.81	36	42.78	121	21.02	3.23	1.6	21	0.07
012	19	01	36.14	37	19.45	122	6.07	0.04	2.0	15	0.11
012	21	05	47.77	37	6.33	121	51.07	3.96	1.7	30	0.06
012	22	40	18.96	37	13.70	122	2.00	8.25	1.4	19	0.07
013	03	13	29.00	37	15.08	122	2.99	9.45	1.2	11	0.04
013	09	55	8.55	36	38.58	121	15.15	4.57	2.2	48	0.08
013	23	55	10.60	36	45.62	121	24.57	4.83	2.4	63	0.23
014	06	20	4.28	36	41.19	121	18.69	4.18	1.9	29	0.06
014	10	42	51.23	36	34.70	121	10.11	3.18	2.5	47	0.08
014	10	44	50.13	37	11.06	121	57.80	5.67	1.4	16	0.05
014	13	40	50.08	36	51.19	121	28.44	8.10	1.2	21	0.11
014	14	00	12.84	36	43.64	121	19.17	9.61	1.7	20	0.03
014	16	26	47.45	37	12.31	122	3.13	12.72	2.1	54	0.07
015	17	34	25.39	37	14.18	122	2.75	7.49	1.2	8	0.04
016	01	32	54.51	36	58.86	121	37.29	4.88	1.1	14	0.07
016	03	58	35.35	36	42.09	121	19.89	4.26	1.7	20	0.06
016	04	30	2.59	37	20.56	121	42.31	7.57	2.4	73	0.08
016	04	34	24.67	37	20.66	121	42.36	7.83	1.8	60	0.06
016	10	25	54.11	37	12.39	121	58.06	3.15	1.6	23	0.07
016	12	01	1.65	37	6.44	121	52.41	4.41	2.6	67	0.10
017	16	11	14.18	36	54.17	121	36.50	4.82	2.9	84	0.18
017	22	33	43.90	36	58.41	121	36.00	3.65	1.1	16	0.08
018	03	24	41.22	37	21.12	121	43.04	6.02	1.8	59	0.07

018	08	58	12.72	37	9.85	121	59.64	11.05	1.3	16	0.10
018	17	31	34.35	37	3.22	121	50.35	6.13	1.4	23	0.05
018	18	16	6.87	37	9.75	122	0.68	10.81	2.6	75	0.11
019	03	30	2.45	36	56.62	121	39.17	11.42	2.0	65	0.10
019	06	48	48.72	37	14.78	122	3.01	8.19	1.0	5	0.01
019	14	49	11.86	36	57.15	121	39.49	10.24	1.5	32	0.08
019	18	59	50.40	36	41.29	121	18.88	4.63	2.7	63	0.08
019	19	00	4.32	36	41.06	121	18.61	6.63	0.8	7	0.06
020	01	20	54.93	36	58.01	121	40.23	11.78	1.8	68	0.09
020	02	26	10.02	36	41.16	121	18.75	4.53	2.2	52	0.08
020	08	23	19.21	37	11.06	122	0.17	7.78	1.5	16	0.08
020	09	54	12.20	36	57.94	121	35.14	4.34	0.8	11	0.05
020	15	51	41.23	36	38.51	121	15.51	9.01	1.7	28	0.06
020	19	14	56.45	37	3.44	121	54.94	17.13	2.1	65	0.09
020	20	29	25.21	37	10.23	122	1.15	11.49	2.5	79	0.11
020	20	41	42.52	36	57.79	121	34.05	0.91	1.2	17	0.10
021	09	12	0.64	37	0.59	121	47.93	16.12	1.7	39	0.07
021	09	57	44.59	37	14.81	122	2.89	9.35	1.2	19	0.06
021	19	57	26.92	36	59.13	121	37.72	4.70	2.0	55	0.10
022	06	01	10.45	37	19.52	122	7.51	5.78	2.9	79	0.10
022	18	53	27.79	36	45.44	121	27.29	5.61	1.4	32	0.22
022	18	53	45.24	36	45.89	121	27.24	6.85	2.6	79	0.14
022	20	59	7.48	36	45.72	121	27.23	6.75	1.5	31	0.15
023	02	25	6.36	36	57.05	121	40.22	13.30	2.7	83	0.12
023	03	11	19.79	36	56.75	121	39.41	11.77	2.9	84	0.12
023	07	43	34.74	36	45.71	121	23.04	4.44	1.3	19	0.09
024	05	10	46.41	36	53.07	121	35.57	8.84	1.6	39	0.14
024	05	16	43.96	36	53.19	121	35.66	9.37	1.8	46	0.16
024	18	19	50.68	37	19.96	122	6.34	0.03	1.3	5	0.06
025	13	35	38.24	37	6.65	121	49.76	4.51	1.9	49	0.06
025	13	48	29.77	36	41.27	121	18.87	4.25	2.0	42	0.08
025	13	51	24.85	36	41.33	121	18.88	4.94	3.0	71	0.09
025	14	04	31.55	36	41.47	121	19.10	5.62	3.7	82	0.10
025	15	47	47.06	36	41.69	121	19.39	4.87	2.3	56	0.08
025	15	47	59.64	37	6.20	122	1.51	8.45	1.6	4	0.00
025	20	31	25.93	36	56.62	121	42.19	9.12	1.9	39	0.10
026	02	47	46.51	36	41.96	121	19.71	4.81	3.1	77	0.09
026	02	53	5.26	36	41.60	121	19.35	3.85	2.5	63	0.09
026	08	13	39.27	37	11.96	122	10.64	2.79	1.1	7	0.07
027	03	12	24.46	36	58.69	121	41.55	8.00	1.9	44	0.12
027	03	30	22.19	36	41.07	121	18.41	3.99	2.1	53	0.07
027	03	36	3.39	36	41.01	121	18.35	3.98	2.6	62	0.10
027	05	07	21.99	36	51.51	121	34.09	3.97	2.9	82	0.18
027	09	30	17.76	36	58.68	121	41.37	8.40	1.5	33	0.06
027	13	45	27.26	36	57.33	121	39.60	9.86	1.0	21	0.06
027	15	42	51.91	36	51.20	121	34.03	2.56	1.9	49	0.20
027	16	14	4.43	36	57.86	121	42.50	14.81	2.1	75	0.08
027	21	21	53.47	36	41.56	121	19.14	4.61	3.3	71	0.08
027	21	42	55.50	36	41.76	121	19.42	4.54	3.3	79	0.09
028	13	43	7.74	37	2.59	121	52.21	14.19	1.7	34	0.07
028	18	07	26.36	36	41.66	121	19.30	3.99	2.2	37	0.08
028	18	07	46.94	36	41.44	121	19.46	3.32	1.6	22	0.05
028	21	27	47.68	37	1.67	121	28.86	6.46	1.2	22	0.07
029	01	20	15.79	36	55.19	121	30.95	3.59	1.4	27	0.12
029	02	45	49.82	36	48.31	121	28.52	8.33	2.1	68	0.14
029	16	02	48.51	37	18.23	122	5.27	5.16	0.9	5	0.02
029	17	29	55.41	36	50.61	121	25.97	2.50	1.9	52	0.18
030	00	17	46.11	37	19.37	122	6.00	0.03	1.8	14	0.28
030	03	15	11.35	37	1.39	121	47.45	11.56	1.4	25	0.05
030	05	07	18.35	36	34.22	121	9.41	3.56	3.1	76	0.08
030	09	06	29.33	37	8.43	122	8.50	8.37	1.9	31	0.11
030	11	48	14.43	36	43.17	121	22.14	3.13	1.2	15	0.06
030	20	41	5.49	37	19.62	122	6.02	0.02	1.6	11	0.13
031	03	02	20.57	37	11.95	122	1.75	10.94	1.9	39	0.08
031	04	35	33.75	37	2.53	121	47.24	6.71	1.3	12	0.06
031	13	12	12.82	37	11.10	121	56.89	4.04	2.7	78	0.08
031	13	12	49.35	37	11.15	121	56.85	3.77	2.8	69	0.08
031	19	12	32.62	37	19.46	122	6.15	0.04	1.6	8	0.13

Appendix B - Hypocenter data sorted by location (see Table 1)

--Origin Time--				--LatN--		--LonW--		Depth	Mag	NR	RMS
day	hr	mn	sec	dg	mn	dg	mn	km			sec
317	04	11	27.30	36	27.67	121	2.16	5.66	2.7	55	0.07
320	20	50	33.97	36	27.80	121	2.19	6.34	2.7	66	0.07
004	10	34	34.71	36	32.19	121	5.97	7.64	1.6	27	0.06
294	23	30	25.28	36	33.26	121	8.61	1.53	1.1	8	0.12
030	05	07	18.35	36	34.22	121	9.41	3.56	3.1	76	0.08
014	10	42	51.23	36	34.70	121	10.11	3.18	2.5	47	0.08
296	02	54	13.76	36	35.03	121	1.70	8.39	2.3	45	0.18
309	19	00	44.74	36	35.17	121	10.93	5.88	2.6	63	0.07
005	20	21	42.34	36	35.29	121	10.81	3.61	2.4	58	0.08
297	20	13	11.37	36	37.80	121	10.58	4.37	1.8	18	0.07
360	02	20	18.50	36	38.38	121	15.06	5.88	2.4	61	0.06
020	15	51	41.23	36	38.51	121	15.51	9.01	1.7	28	0.06
013	09	55	8.55	36	38.58	121	15.15	4.57	2.2	48	0.08
336	18	00	3.19	36	39.00	121	15.99	5.82	2.6	71	0.10
355	09	18	7.34	36	39.63	121	16.45	3.51	3.0	74	0.09
363	21	33	42.09	36	40.27	121	17.76	3.95	1.4	18	0.05
351	08	41	43.04	36	40.45	121	17.49	4.06	2.7	75	0.08
364	21	41	12.77	36	40.48	121	18.12	6.35	2.0	57	0.06
027	03	36	3.39	36	41.01	121	18.35	3.98	2.6	62	0.10
019	19	00	4.32	36	41.06	121	18.61	6.63	0.8	7	0.06
027	03	30	22.19	36	41.07	121	18.41	3.99	2.1	53	0.07
020	02	26	10.02	36	41.16	121	18.75	4.53	2.2	52	0.08
014	06	20	4.28	36	41.19	121	18.69	4.18	1.9	29	0.06
025	13	48	29.77	36	41.27	121	18.87	4.25	2.0	42	0.08
019	18	59	50.40	36	41.29	121	18.88	4.63	2.7	63	0.08
025	13	51	24.85	36	41.33	121	18.88	4.94	3.0	71	0.09
314	03	42	3.47	36	41.36	121	19.02	5.71	2.5	67	0.08
005	11	32	48.71	36	41.37	121	18.95	4.03	2.6	75	0.09
335	11	26	22.17	36	41.39	121	19.04	6.71	3.4	83	0.09
028	18	07	46.94	36	41.44	121	19.46	3.32	1.6	22	0.05
025	14	04	31.55	36	41.47	121	19.10	5.62	3.7	82	0.10
002	03	10	7.67	36	41.53	121	19.24	4.33	2.4	61	0.07
335	12	37	43.17	36	41.54	121	19.17	6.86	4.3	83	0.11
027	21	21	53.47	36	41.56	121	19.14	4.61	3.3	71	0.08
335	14	06	19.66	36	41.58	121	19.23	4.74	2.6	69	0.08
335	11	16	50.03	36	41.59	121	19.26	6.56	3.5	80	0.09
026	02	53	5.26	36	41.60	121	19.35	3.85	2.5	63	0.09
028	18	07	26.36	36	41.66	121	19.30	3.99	2.2	37	0.08
025	15	47	47.06	36	41.69	121	19.39	4.87	2.3	56	0.08
353	23	00	49.85	36	41.69	121	19.43	5.25	2.8	73	0.09
009	23	14	48.70	36	41.69	121	19.67	5.19	1.6	30	0.05
027	21	42	55.50	36	41.76	121	19.42	4.54	3.3	79	0.09
335	13	06	14.77	36	41.76	121	19.51	5.42	2.8	77	0.09
026	02	47	46.51	36	41.96	121	19.71	4.81	3.1	77	0.09
016	03	58	35.35	36	42.09	121	19.89	4.26	1.7	20	0.06
352	17	07	30.59	36	42.09	121	19.94	6.02	3.9	80	0.11
012	17	59	46.81	36	42.78	121	21.02	3.23	1.6	21	0.07
334	09	50	40.55	36	43.15	121	22.35	5.09	3.6	97	0.36
030	11	48	14.43	36	43.17	121	22.14	3.13	1.2	15	0.06
300	14	49	32.41	36	43.29	121	29.36	13.50	1.8	40	0.30
008	01	42	53.39	36	43.47	121	19.07	9.82	2.2	61	0.09
005	07	05	20.23	36	43.49	121	19.05	9.60	2.1	54	0.09
304	12	26	10.42	36	43.50	121	29.28	14.03	2.4	72	0.25
006	15	44	13.28	36	43.51	121	19.00	9.89	2.0	46	0.07
006	10	23	28.65	36	43.53	121	19.16	9.70	1.9	51	0.09
007	00	13	54.17	36	43.57	121	19.07	10.32	1.7	35	0.06
003	16	42	53.36	36	43.57	121	19.12	9.18	1.7	27	0.05
014	14	00	12.84	36	43.64	121	19.17	9.61	1.7	20	0.03
302	08	31	18.33	36	43.64	121	29.17	14.15	2.1	74	0.26
011	21	05	14.41	36	43.72	121	19.46	9.25	1.1	17	0.04
303	20	00	6.12	36	44.11	121	35.55	2.65	1.6	38	0.31
004	11	12	31.89	36	44.55	121	25.43	6.49	1.0	16	0.10
305	21	40	50.19	36	44.72	121	27.44	14.59	1.9	56	0.12
312	15	15	34.27	36	44.75	121	26.09	4.89	0.9	16	0.08
316	14	44	58.73	36	44.95	121	27.85	14.41	2.0	57	0.17
353	02	04	37.18	36	45.11	121	27.42	15.29	2.2	70	0.14
322	03	26	53.43	36	45.38	121	23.29	6.26	1.5	26	0.11
022	18	53	27.79	36	45.44	121	27.29	5.61	1.4	32	0.22
321	23	44	6.25	36	45.48	121	26.31	5.02	2.1	54	0.19
003	22	21	29.69	36	45.48	121	34.95	3.47	2.0	57	0.14
305	00	02	32.48	36	45.58	121	34.83	3.12	1.8	46	0.12
013	23	55	10.60	36	45.62	121	24.57	4.83	2.4	63	0.23
302	02	53	9.88	36	45.69	121	29.09	5.76	1.6	37	0.28
301	13	55	38.62	36	45.70	121	29.88	4.43	2.8	80	0.39
023	07	43	34.74	36	45.71	121	23.04	4.44	1.3	19	0.09
022	20	59	7.48	36	45.72	121	27.23	6.75	1.5	31	0.15
299	15	28	17.09	36	45.81	121	24.08	6.50	1.2	12	0.26
305	19	15	5.88	36	45.84	121	34.14	5.93	1.4	24	0.14
022	18	53	45.24	36	45.89	121	27.24	6.85	2.6	79	0.14
012	06	12	14.11	36	45.94	121	25.13	8.12	1.0	15	0.09
003	18	12	13.90	36	46.03	121	23.93	9.00	0.9	10	0.04
004	09	14	38.65	36	46.48	121	27.68	7.82	1.0	20	0.11
300	06	53	49.60	36	46.82	121	31.37	6.17	1.7	44	0.31
005	23	05	19.91	36	46.88	121	26.73	8.08	0.8	10	0.02
011	17	23	15.12	36	47.12	121	22.22	3.85	1.8	45	0.11
011	14	20	52.18	36	47.16	121	22.28	3.36	1.0	17	0.05
345	23	55	34.02	36	48.15	121	24.73	9.89	2.3	66	0.10
029	02	45	49.82	36	48.31	121	28.52	8.33	2.1	68	0.14
311	07	12	44.76	36	48.40	121	30.81	7.07	2.4	70	0.16
311	06	30	59.97	36	48.41	121	30.49	6.74	2.4	72	0.12
292	11	25	53.37	36	48.46	121	31.89	6.25	2.3	33	0.24
001	14	14	20.55	36	48.53	121	30.84	6.34	2.1	64	0.15
298	18	20	32.82	36	49.03	121	33.90	3.57	3.1	83	0.41
364	21	03	32.37	36	49.12	121	31.40	5.62	2.0	60	0.18
318	17	39	7.72	36	49.44	121	31.92	4.27	1.7	37	0.17
365	22	03	24.99	36	49.44	121	32.10	5.43	1.9	56	0.20
318	17	33	50.05	36	49.52	121	31.75	5.83	3.1	82	0.15
349	08	38	32.79	36	49.59	121	31.69	4.10	2.6	67	0.15
305	14	52	0.88	36	49.78	121	32.25	4.49	2.0	62	0.19
360	00	53	34.80	36	49.90	121	32.33	4.60	2.1	62	0.16
002	16	08	50.98	36	49.93	121	24.62	7.45	1.4	24	0.06
001	20	47	19.92	36	50.17	121	24.59	7.83	1.1	19	0.07
364	12	49	51.70	36	50.45	121	32.57	1.22	2.4	64	0.21
317	02	23	23.76	36	50.47	121	33.13	4.95	2.6	79	0.17
029	17	29	55.41	36	50.61	121	25.97	2.50	1.9	52	0.18
302	23	55	9.67	36	50.67	121	36.62	7.19	2.7	79	0.35
318	02	54	32.48	36	50.80	121	18.35	4.81	1.0	19	0.04
291	20	48	24.69	36	50.85	121	36.64	5.01	2.9	69	0.37
362	18	59	52.79	36	51.04	121	33.73	4.77	1.7	48	0.20
014	13	40	50.08	36	51.19	121	28.44	8.10	1.2	21	0.11
027	15	42	51.91	36	51.20	121	34.03	2.56	1.9	49	0.20
301	10	32	10.37	36	51.29	121	26.35	5.33	2.4	69	0.18
351	16	55	58.93	36	51.45	121	34.01	5.23	2.7	81	0.15
305	12	46	36.01	36	51.48	121	30.71	4.06	1.8	41	0.15
027	05	07	21.99	36	51.51	121	34.09	3.97	2.9	82	0.18
005	09	39	38.89	36	51.81	121	34.25	5.23	2.3	71	0.12
348	01	45	54.05	36	51.96	121	34.64	5.77	2.2	65	0.15
313	02	05	17.19	36	52.06	121	31.59	4.03	2.5	72	0.18
008	09	30	44.26	36	52.27	121	34.92	5.10	2.8	85	0.16
315	12	19	23.46	36	52.85	121	35.48	4.82	2.6	81	0.17
001	04	14	12.42	36	52.90	121	24.83	8.18	2.3	76	0.12
310	13	49	15.52	36	52.90	121	35.57	4.60	2.4	74	0.17
348	21	42	10.51	36	52.96	121	24.88	8.10	2.0	58	0.10

311	05	54	39.24	36	53.04	121	24.88	6.88	1.3	36	0.09	019	03	30	2.45	36	56.62	121	39.17	11.42	2.0	65	0.10
024	05	10	46.41	36	53.07	121	35.57	8.84	1.6	39	0.14	025	20	31	25.93	36	56.62	121	42.19	9.12	1.9	39	0.10
298	13	00	41.73	36	53.07	121	39.01	5.71	3.8	92	0.38	334	15	20	58.46	36	56.63	121	39.20	11.24	2.0	62	0.10
301	15	45	34.10	36	53.16	121	24.85	8.02	2.3	57	0.09	359	22	29	26.41	36	56.68	121	39.11	11.42	1.4	43	0.09
024	05	16	43.96	36	53.19	121	35.66	9.37	1.8	46	0.16	292	05	16	17.15	36	56.68	121	41.35	7.16	3.4	49	0.20
308	12	32	30.65	36	53.22	121	36.31	6.96	1.3	9	0.14	304	04	53	44.47	36	56.68	122	16.04	7.74	2.4	54	0.22
311	04	32	50.07	36	53.25	121	36.00	4.95	1.3	31	0.15	326	17	57	11.54	36	56.71	121	39.36	11.31	2.0	70	0.12
327	21	58	24.80	36	53.26	121	35.80	4.53	2.7	82	0.18	307	10	47	56.19	36	56.72	121	39.67	12.23	3.0	86	0.16
298	13	09	11.58	36	53.27	121	38.74	4.15	2.6	78	0.37	345	18	08	58.29	36	56.74	121	31.54	2.63	0.0	15	0.09
301	21	27	49.23	36	53.38	121	39.65	7.67	3.3	88	0.35	023	03	11	19.79	36	56.75	121	39.41	11.77	2.9	84	0.12
332	01	01	37.78	36	53.48	121	36.20	4.70	2.0	56	0.20	297	19	29	4.80	36	56.75	121	41.86	5.70	2.6	75	0.32
305	23	56	39.54	36	53.53	121	35.88	6.71	1.6	31	0.09	345	18	06	11.41	36	56.77	121	31.12	4.01	2.3	85	0.14
294	21	47	8.06	36	53.66	121	38.97	5.73	2.2	58	0.29	329	20	57	46.79	36	56.78	121	32.71	0.02	0.7	8	0.16
298	15	10	54.59	36	53.73	121	53.26	4.67	2.7	74	0.21	298	07	10	25.71	36	56.84	121	41.74	5.26	2.4	73	0.32
296	20	14	43.64	36	53.74	121	39.15	8.72	2.2	57	0.27	292	10	17	41.65	36	56.85	121	49.09	10.58	3.0	42	0.15
298	22	44	41.80	36	53.75	121	53.43	4.38	2.7	70	0.18	330	11	04	36.31	36	56.86	121	39.37	8.64	1.7	50	0.10
302	14	08	55.60	36	53.84	121	40.13	7.90	2.1	69	0.29	365	21	14	44.07	36	56.86	121	39.62	11.76	2.7	86	0.13
298	16	30	51.07	36	53.85	121	53.41	4.55	2.8	70	0.20	007	21	00	53.10	36	56.88	121	39.46	10.13	1.8	66	0.12
292	12	47	39.61	36	53.88	121	38.80	11.30	2.6	40	0.19	316	18	10	53.58	36	56.88	121	39.74	12.51	2.9	83	0.13
017	16	11	14.18	36	54.17	121	36.50	4.82	2.9	84	0.18	345	18	09	2.86	36	56.89	121	31.47	2.65	1.6	44	0.16
294	03	20	24.22	36	54.19	121	39.41	6.63	2.4	67	0.23	310	22	18	32.46	36	56.89	121	32.07	2.05	1.4	26	0.13
294	17	12	18.87	36	54.24	121	40.59	10.73	2.4	70	0.25	291	03	27	46.19	36	56.89	121	44.13	14.53	3.0	50	0.25
292	14	00	30.90	36	54.25	121	40.09	0.94	2.8	33	0.34	365	07	08	29.96	36	56.90	121	34.24	5.82	2.1	70	0.12
294	23	54	27.05	36	54.43	121	40.87	9.10	2.2	64	0.23	334	08	49	54.60	36	56.93	121	39.57	10.10	1.9	57	0.13
362	18	16	28.85	36	54.51	121	36.78	3.29	1.8	46	0.21	322	18	08	4.97	36	56.94	121	39.22	10.43	1.8	47	0.08
313	01	44	12.08	36	54.54	121	28.03	7.73	1.3	49	0.12	292	10	59	57.66	36	56.95	121	50.25	9.35	3.6	50	0.25
297	10	42	25.56	36	54.75	121	40.14	11.33	2.1	57	0.19	363	21	34	57.78	36	56.96	121	39.51	10.43	1.8	61	0.11
295	09	44	57.73	36	54.95	121	40.71	5.36	3.4	87	0.36	292	11	29	26.73	36	57.02	121	50.55	9.52	3.3	54	0.26
296	02	18	20.07	36	54.96	121	30.67	4.69	2.1	54	0.28	023	02	25	6.36	36	57.05	121	40.22	13.30	2.7	83	0.12
353	13	50	59.88	36	55.02	121	38.27	7.48	2.3	56	0.21	291	01	21	18.74	36	57.05	121	44.79	10.92	3.7	32	0.28
297	19	30	37.50	36	55.04	121	40.84	6.83	2.4	75	0.34	335	05	54	42.36	36	57.06	121	32.22	1.19	1.3	26	0.13
292	04	12	43.39	36	55.06	121	40.81	5.63	3.4	84	0.32	330	07	43	19.12	36	57.06	121	39.67	8.96	2.5	81	0.15
292	12	25	33.19	36	55.08	121	41.02	8.46	3.8	54	0.31	362	16	14	50.69	36	57.07	121	39.41	9.37	1.1	17	0.09
295	11	32	10.12	36	55.11	121	40.50	10.46	1.7	43	0.18	361	04	33	38.33	36	57.07	121	39.52	10.14	1.3	29	0.09
333	23	11	28.60	36	55.12	121	38.02	10.16	2.3	82	0.13	322	20	55	45.29	36	57.08	121	32.68	3.69	1.0	16	0.09
029	01	20	15.79	36	55.19	121	30.95	3.59	1.4	27	0.12	019	14	49	11.86	36	57.15	121	39.49	10.24	1.5	32	0.08
295	02	46	5.46	36	55.30	121	40.13	10.11	1.7	20	0.10	322	21	00	15.60	36	57.16	121	32.78	3.87	0.9	18	0.08
300	21	57	40.95	36	55.37	121	40.83	6.74	2.3	74	0.29	352	07	03	29.78	36	57.16	121	39.53	10.60	1.5	40	0.08
295	21	48	31.34	36	55.39	121	41.67	10.57	2.3	78	0.31	347	23	55	45.38	36	57.17	121	39.55	10.21	1.6	46	0.08
324	17	39	57.60	36	55.47	121	38.20	8.15	2.7	79	0.15	300	23	33	25.60	36	57.17	121	43.43	14.19	1.5	40	0.13
303	06	31	27.36	36	55.52	121	41.49	12.26	2.9	81	0.24	325	11	38	27.83	36	57.18	121	39.51	10.37	1.5	41	0.08
292	09	53	49.94	36	55.53	121	41.57	9.12	4.4	60	0.34	345	13	24	48.48	36	57.20	121	39.53	9.63	1.4	26	0.07
296	04	15	57.67	36	55.61	121	40.26	7.04	1.5	32	0.15	335	21	13	57.23	36	57.20	121	49.88	4.63	1.5	36	0.10
352	04	30	26.56	36	55.63	121	33.21	5.58	1.2	21	0.09	315	11	43	54.19	36	57.23	121	39.85	13.82	2.3	80	0.14
291	02	08	53.12	36	55.71	121	45.17	2.18	3.3	27	0.31	292	10	19	41.74	36	57.27	121	50.33	8.84	3.6	48	0.23
310	06	07	46.52	36	55.75	121	49.68	2.96	1.9	41	0.09	364	13	16	39.14	36	57.30	121	32.46	3.76	1.7	57	0.14
339	22	00	2.63	36	55.77	121	38.70	10.47	2.5	77	0.12	324	09	22	17.57	36	57.30	121	39.67	9.09	1.1	29	0.08
317	23	42	12.66	36	55.80	121	38.29	10.97	1.8	67	0.08	302	20	17	7.07	36	57.30	121	43.14	13.18	1.4	23	0.13
317	07	42	16.19	36	55.84	121	38.70	10.76	2.1	66	0.12	300	13	29	50.99	36	57.30	121	44.07	15.79	3.0	79	0.22
007	23	20	9.79	36	55.89	121	32.55	5.83	1.0	22	0.10	292	13	15	4.67	36	57.31	121	50.45	6.93	2.8	50	0.25
316	10	20	43.47	36	55.99	121	38.51	10.06	1.6	44	0.09	316	20	54	1.77	36	57.32	121	39.69	8.23	1.1	17	0.08
302	12	49	32.47	36	56.03	121	47.03	1.04	0.9	4	0.07	296	14	26	56.99	36	57.32	121	43.31	13.71	2.1	49	0.13
314	14	24	59.20	36	56.08	121	29.86	2.29	2.7	82	0.15	027	13	45	27.26	36	57.33	121	39.60	9.86	1.0	21	0.06
295	22	29	11.25	36	56.09	121	40.92	9.44	1.6	38	0.12	302	03	47	37.22	36	57.35	121	43.54	14.83	1.8	56	0.14
296	19	23	51.92	36	56.30	121	41.71	5.70	3.1	69	0.38	304	18	20	38.37	36	57.36	121	41.88	5.38	2.1	59	0.24
004	12	21	42.14	36	56.33	121	31.64	0.03	1.0	14	0.19	291	01	01	27.22	36	57.37	121	41.57	16.22	3.3	26	0.17
327	14	37	55.50	36	56.33	121	38.81	10.05	1.7	49	0.09	315	00	26	42.57	36	57.38	121	39.83	8.60	1.3	25	0.08
303	08	22	41.98	36	56.38	121	41.35	10.00	1.8	57	0.20	321	23	30	50.39	36	57.39	121	39.30	5.79	1.6	45	0.13
323	01	10	22.95	36	56.42	121	39.64	7.76	1.0	20	0.10	323	11	46	1.73	36	57.40	121	39.84	8.76	1.2	27	0.07
292	11	15	22.50	36	56.44	121	49.91	8.12	3.5	43	0.30	331	14	47	25.38	36	57.42	121	40.19	13.86	1.4	33	0.09
296	08	06	23.12	36	56.46	121	40.94	6.07	1.7	36	0.16	301	12	28	50.84	36	57.43	121	43.74	15.58	1.7	39	0.12
312	17	08	45.70	36	56.55	121	42.80	9.91	2.2	75	0.12	345	14	38	31.79	36	57.46	121	33.45	2.70	1.3	16	0.07
312	19	28	1.85	36	56.56	121	42.27	9.34	1.9	45	0.10	361	12	37	24.62	36	57.46	121	40.06	9.14	1.5	53	0.13

291	01	51	0.51	36	57.47	121	44.96	10.94	3.4	40	0.30	309	22	13	22.14	36	58.50	121	35.80	1.84	1.7	35	0.11
361	12	45	1.70	36	57.48	121	39.73	8.78	1.4	36	0.08	316	12	36	13.04	36	58.50	121	36.39	4.20	1.0	20	0.10
325	06	30	18.45	36	57.48	121	39.81	8.88	1.3	29	0.08	291	01	58	29.22	36	58.51	121	52.58	0.31	3.3	19	0.34
292	10	47	43.34	36	57.50	121	49.47	11.07	2.4	44	0.16	365	08	13	9.16	36	58.53	121	35.81	2.91	3.1	87	0.11
325	06	28	17.55	36	57.51	121	39.97	8.38	1.4	35	0.13	331	02	08	35.20	36	58.53	121	41.31	8.45	1.6	31	0.05
291	04	28	14.77	36	57.51	121	47.12	13.46	3.5	52	0.27	350	10	12	17.43	36	58.53	121	43.62	15.05	1.5	62	0.06
302	21	11	13.88	36	57.52	121	34.58	3.00	1.6	30	0.17	362	11	02	47.53	36	58.55	121	43.70	13.40	1.8	47	0.07
314	21	59	2.56	36	57.54	121	39.72	8.83	1.6	32	0.11	312	14	53	27.26	36	58.58	122	16.22	3.05	1.9	16	0.07
292	10	14	34.75	36	57.54	121	50.92	10.18	4.6	60	0.26	294	15	15	52.59	36	58.60	121	42.05	5.00	0.6	4	0.00
322	22	20	47.65	36	57.57	121	38.99	5.15	1.6	36	0.12	027	09	30	17.76	36	58.68	121	41.37	8.40	1.5	33	0.06
312	17	50	15.50	36	57.59	121	33.62	2.07	1.8	44	0.13	027	03	12	24.46	36	58.69	121	41.55	8.00	1.9	44	0.12
294	22	03	39.05	36	57.59	121	35.53	1.89	1.3	12	0.09	008	04	51	11.78	36	58.71	121	36.37	3.14	1.4	34	0.10
344	16	16	4.94	36	57.60	121	33.52	2.60	1.2	29	0.09	345	09	41	35.07	36	58.74	121	38.00	3.16	2.1	42	0.08
330	02	13	4.64	36	57.61	121	33.50	4.11	1.3	26	0.11	328	16	38	5.81	36	58.78	121	36.22	2.02	1.4	29	0.10
328	08	28	53.82	36	57.63	121	40.00	9.22	1.4	33	0.07	363	08	39	39.03	36	58.78	121	44.57	15.53	3.0	92	0.12
345	13	28	31.04	36	57.65	121	33.56	2.08	1.5	34	0.10	325	06	07	28.38	36	58.82	121	36.37	1.73	1.5	29	0.09
318	01	26	24.70	36	57.65	121	33.81	2.90	1.2	22	0.08	304	00	13	52.26	36	58.83	121	38.67	4.02	1.4	23	0.09
300	07	28	29.09	36	57.65	121	43.27	12.71	2.2	71	0.24	016	01	32	54.51	36	58.86	121	37.29	4.88	1.1	14	0.07
311	23	22	13.33	36	57.65	122	14.12	6.93	2.8	99	0.25	011	09	26	17.94	36	58.86	121	41.20	6.56	1.5	29	0.07
318	02	50	18.72	36	57.66	121	33.81	2.67	1.8	47	0.11	302	18	51	1.47	36	58.87	121	44.77	15.45	1.6	34	0.06
292	01	17	46.62	36	57.67	121	43.52	5.78	2.7	66	0.28	316	15	19	47.54	36	58.89	121	44.53	15.76	2.4	92	0.11
296	03	37	20.94	36	57.68	121	49.92	8.45	1.8	28	0.12	330	13	02	56.38	36	58.89	121	45.39	15.02	1.8	42	0.06
292	13	08	51.70	36	57.71	121	50.61	6.02	0.0	11	0.07	309	23	21	0.98	36	58.91	121	43.79	11.11	2.3	73	0.11
307	05	44	4.38	36	57.76	121	33.93	1.63	1.7	35	0.11	300	11	08	57.41	36	58.92	121	49.46	13.89	0.0	33	0.09
298	18	55	57.75	36	57.76	121	35.58	2.84	1.4	35	0.12	352	09	19	7.97	36	58.94	121	38.24	4.96	1.4	31	0.08
020	20	41	42.52	36	57.79	121	34.05	0.91	1.2	17	0.10	007	23	57	30.99	36	58.96	121	36.78	2.87	2.4	68	0.11
300	17	09	5.92	36	57.81	121	43.67	14.10	1.0	16	0.04	295	12	15	29.23	36	58.99	121	40.34	2.26	2.4	57	0.20
294	04	51	4.41	36	57.83	121	36.12	2.38	1.6	23	0.08	330	10	25	29.37	36	58.99	121	45.53	14.84	1.5	30	0.05
027	16	14	4.43	36	57.86	121	42.50	14.81	2.1	75	0.08	012	00	55	30.28	36	59.00	121	36.81	2.49	1.9	52	0.10
332	00	04	48.05	36	57.88	121	42.11	13.81	1.4	35	0.07	330	02	32	15.46	36	59.03	121	44.94	15.38	1.5	28	0.06
296	06	23	26.29	36	57.89	121	36.60	3.58	2.0	49	0.16	304	17	29	39.15	36	59.07	121	45.88	15.31	2.4	72	0.17
350	06	05	31.95	36	57.90	121	34.62	5.72	1.1	25	0.07	291	02	15	49.29	36	59.10	121	48.24	1.31	4.3	48	0.31
296	03	57	46.73	36	57.91	121	37.67	5.31	1.1	13	0.08	021	19	57	26.92	36	59.13	121	37.72	4.70	2.0	55	0.10
350	04	53	28.92	36	57.92	121	34.63	6.10	1.2	26	0.09	351	21	41	36.16	36	59.15	121	37.92	4.15	1.4	28	0.08
292	08	45	49.60	36	57.92	121	51.06	9.41	3.9	54	0.26	294	09	23	15.74	36	59.15	121	44.84	14.27	1.9	43	0.10
324	23	38	55.26	36	57.94	121	34.37	1.56	1.4	21	0.06	300	22	15	59.39	36	59.15	121	46.11	11.80	2.9	86	0.26
020	09	54	12.20	36	57.94	121	35.14	4.34	0.8	11	0.05	296	15	14	22.80	36	59.17	121	40.52	3.26	3.0	79	0.30
356	18	32	35.03	36	57.96	121	42.70	14.88	1.4	21	0.06	326	23	53	42.96	36	59.17	121	42.82	8.05	1.6	39	0.08
313	00	47	1.87	36	58.01	121	34.77	3.21	1.8	47	0.11	319	09	38	9.18	36	59.19	121	37.55	3.34	1.5	33	0.10
020	01	20	54.93	36	58.01	121	40.23	11.78	1.8	68	0.09	349	05	42	58.84	36	59.22	121	37.49	2.46	2.7	65	0.12
314	01	09	7.83	36	58.03	121	38.55	9.87	1.4	30	0.08	292	05	48	11.85	36	59.22	121	43.70	6.25	2.5	45	0.29
320	17	10	14.25	36	58.03	121	42.76	14.94	2.7	84	0.11	349	05	43	10.89	36	59.23	121	37.44	2.21	2.6	52	0.15
330	06	31	30.67	36	58.04	121	42.11	13.98	1.3	31	0.06	309	07	36	25.06	36	59.23	121	46.59	15.07	1.7	47	0.08
315	05	58	57.50	36	58.05	121	34.74	1.43	1.4	22	0.08	004	02	07	30.08	36	59.24	121	41.92	6.56	1.8	53	0.11
323	15	24	42.54	36	58.07	121	38.22	4.77	1.4	18	0.09	322	00	08	33.05	36	59.24	121	46.02	14.57	2.0	67	0.08
296	15	48	49.91	36	58.09	121	36.42	1.60	1.7	23	0.07	001	02	03	1.58	36	59.25	121	43.65	11.57	1.5	33	0.07
293	05	38	35.24	36	58.10	121	45.45	14.28	2.8	84	0.29	012	14	37	27.17	36	59.26	121	46.06	14.69	1.7	46	0.05
318	01	24	17.42	36	58.11	121	34.98	1.32	1.3	18	0.11	298	12	27	5.60	36	59.27	121	45.55	11.99	2.3	79	0.31
312	21	03	20.63	36	58.14	121	35.02	3.28	2.7	70	0.11	292	03	55	0.25	36	59.27	121	47.98	16.56	3.6	81	0.22
318	21	30	34.71	36	58.18	121	37.24	3.40	1.6	25	0.10	291	20	37	12.29	36	59.28	121	44.18	0.44	3.3	55	0.26
295	07	24	10.26	36	58.25	121	37.55	4.07	2.0	48	0.11	324	10	11	47.98	36	59.29	121	46.21	15.03	1.6	50	0.06
314	00	31	15.27	36	58.25	121	43.53	15.04	2.6	79	0.10	362	04	51	42.37	36	59.34	121	45.98	14.65	1.4	22	0.04
343	05	11	28.32	36	58.26	121	39.93	5.78	1.4	35	0.10	301	19	41	14.69	36	59.40	121	45.51	14.89	1.4	14	0.05
343	05	12	25.06	36	58.27	121	40.21	5.60	1.7	43	0.13	336	21	24	24.37	36	59.44	121	45.85	15.66	1.2	18	0.04
323	13	31	21.52	36	58.31	121	38.70	8.68	1.3	28	0.06	008	02	52	30.10	36	59.44	121	45.91	15.37	2.1	72	0.08
336	19	22	38.71	36	58.32	121	50.44	8.14	1.3	21	0.10	300	15	40	3.56	36	59.44	121	46.13	15.19	1.6	31	0.07
296	00	29	29.52	36	58.33	121	44.08	14.56	2.1	65	0.21	324	17	20	18.55	36	59.47	121	44.56	14.49	1.5	19	0.06
348	22	00	7.49	36	58.35	121	35.61	2.67	1.3	23	0.08	295	14	24	36.85	36	59.47	121	48.98	17.48	3.7	83	0.23
292	08	50	4.46	36	58.39	121	47.64	15.34	2.6	52	0.27	356	01	11	5.80	36	59.52	122	14.26	10.41	2.3	67	0.16
017	22	33	43.90	36	58.41	121	36.00	3.65	1.1	16	0.08	291	04	26	36.59	36	59.53	121	45.87	14.77	3.5	48	0.16
365	06	48	50.31	36	58.48	121	35.71	2.76	3.0	87	0.11	310	06	22	50.97	36	59.55	121	46.34	15.78	2.7	84	0.09
362	05	14	56.01	36	58.48	121	40.96	8.11	1.4	28	0.07	003	21	36	27.86	36	59.57	121	41.04	10.26	1.5	33	0.08
004	06	44	40.52	36	58.49	121	35.87	2.57	1.4	34	0.09	357	05	59	17.24	36	59.61	121	46.64	15.67	1.6	36	0.06

344	08	42	54.00	36	59.62	121	39.62	3.09	2.5	81	0.15	301	07	38	15.93	37	2.15	121	47.85	8.57	1.7	34	0.10
301	15	48	28.51	36	59.67	121	47.29	12.14	2.2	54	0.14	294	03	44	50.69	37	2.16	121	51.68	13.45	2.3	50	0.11
317	18	29	58.63	36	59.68	121	46.23	14.45	1.7	30	0.05	291	21	32	51.39	37	2.17	121	46.45	4.34	1.9	20	0.12
298	22	01	49.24	36	59.69	121	48.65	17.43	3.7	90	0.22	010	16	07	6.03	37	2.17	121	47.45	8.52	2.3	71	0.09
298	22	01	49.24	36	59.69	121	48.65	17.43	3.7	90	0.22	309	03	42	51.93	37	2.17	121	47.87	6.32	2.7	84	0.09
340	10	22	38.84	36	59.79	121	46.90	15.00	1.5	33	0.07	003	11	14	15.66	37	2.18	121	48.72	6.67	1.7	28	0.07
001	13	22	47.49	36	59.80	121	48.04	16.29	2.5	79	0.10	329	20	52	37.89	37	2.19	121	47.41	8.53	1.0	11	0.06
303	07	39	20.50	36	59.83	121	43.95	9.31	2.1	53	0.15	363	04	06	45.05	37	2.21	121	48.56	6.26	1.0	12	0.05
356	17	28	14.15	36	59.86	121	49.78	11.68	1.2	17	0.07	312	04	23	53.68	37	2.21	121	49.60	5.06	1.3	15	0.06
301	16	59	28.92	36	59.99	121	46.44	14.60	1.2	16	0.05	006	02	50	22.72	37	2.22	121	48.95	6.74	1.6	28	0.07
293	17	12	32.25	36	60.00	121	44.14	4.11	2.1	22	0.12	292	14	00	4.28	37	2.23	121	47.90	4.45	3.1	58	0.17
001	14	20	4.16	37	0.04	121	47.59	16.67	1.3	25	0.04	298	11	36	54.93	37	2.23	121	48.35	4.19	1.6	22	0.07
301	17	25	50.80	37	0.11	121	47.00	15.60	1.8	35	0.08	291	20	42	7.06	37	2.23	121	51.94	10.26	2.5	57	0.28
301	10	38	32.86	37	0.12	121	47.44	15.83	1.6	27	0.08	328	11	48	45.13	37	2.24	121	46.80	5.51	0.9	15	0.05
361	04	37	45.60	37	0.20	121	55.46	2.62	1.3	5	0.02	293	12	47	35.97	37	2.25	121	48.15	3.51	2.1	28	0.11
021	09	12	0.64	37	0.59	121	47.93	16.12	1.7	39	0.07	293	11	29	17.00	37	2.26	121	47.43	4.24	1.4	12	0.06
298	12	24	45.36	37	0.60	121	45.08	9.82	1.8	37	0.10	326	23	09	8.82	37	2.26	121	48.43	4.16	0.7	4	0.00
313	13	09	24.37	37	0.65	121	45.10	9.64	1.7	39	0.08	294	15	15	38.70	37	2.27	121	47.91	3.16	0.8	8	0.07
291	01	45	57.38	37	0.74	121	48.15	11.03	3.8	53	0.26	300	17	08	49.02	37	2.29	121	47.48	7.65	1.0	18	0.04
294	12	22	32.85	37	0.76	121	44.20	5.87	1.7	38	0.13	291	20	47	9.00	37	2.32	121	47.35	5.74	2.4	63	0.27
362	09	44	44.00	37	0.77	121	57.28	3.67	1.6	17	0.14	305	15	09	35.71	37	2.32	121	48.44	4.25	1.4	19	0.08
302	19	18	21.07	37	0.89	121	50.04	17.09	2.3	63	0.17	322	12	58	21.00	37	2.34	121	48.74	10.51	1.3	24	0.04
360	22	10	42.48	37	0.91	121	55.92	4.90	2.0	53	0.11	301	08	17	27.86	37	2.36	121	48.86	4.26	0.9	6	0.05
344	12	25	9.91	37	0.93	121	49.94	16.89	1.7	41	0.07	294	08	57	17.18	37	2.38	121	47.39	7.69	1.7	33	0.07
291	01	26	32.24	37	0.96	121	56.63	5.02	2.9	21	0.39	303	19	01	46.55	37	2.38	121	47.54	7.55	1.7	30	0.06
293	01	11	5.28	37	0.99	121	50.13	16.61	2.5	69	0.20	291	22	40	13.70	37	2.41	121	46.92	4.12	1.7	12	0.08
312	22	34	36.44	37	1.01	121	46.28	10.12	2.2	68	0.09	300	17	05	48.49	37	2.43	121	47.53	7.19	0.9	13	0.07
292	05	30	37.07	37	1.06	121	46.01	7.95	2.4	45	0.26	297	12	24	17.66	37	2.43	121	48.80	4.76	2.0	42	0.12
318	06	33	36.27	37	1.08	121	44.76	6.85	1.8	50	0.09	300	06	20	25.24	37	2.45	121	46.59	5.40	0.8	13	0.07
332	17	27	24.06	37	1.10	121	46.30	10.08	1.6	35	0.06	292	02	55	8.40	37	2.49	121	48.50	4.95	2.9	75	0.27
309	16	17	22.56	37	1.10	121	50.11	17.13	2.0	51	0.07	292	11	20	42.79	37	2.50	121	47.16	5.91	1.5	13	0.08
305	23	39	33.37	37	1.20	121	49.30	16.19	1.7	35	0.10	301	08	18	26.02	37	2.50	121	48.84	4.43	1.4	10	0.06
303	09	07	43.68	37	1.21	121	49.49	16.60	1.7	33	0.07	332	13	12	31.76	37	2.51	121	47.44	6.11	1.3	14	0.06
344	18	18	7.56	37	1.22	121	49.41	16.27	1.7	45	0.08	031	04	35	33.75	37	2.53	121	47.24	6.71	1.3	12	0.06
351	12	16	18.64	37	1.24	121	28.54	6.68	1.7	58	0.09	317	21	29	51.93	37	2.56	121	47.96	4.58	1.0	6	0.02
318	06	48	38.79	37	1.33	121	49.32	14.84	1.2	11	0.04	301	15	04	54.66	37	2.59	121	48.86	4.36	1.2	16	0.07
291	02	26	5.92	37	1.36	121	47.79	3.90	3.9	48	0.27	028	13	43	7.74	37	2.59	121	52.21	14.19	1.7	34	0.07
345	11	44	18.64	37	1.36	121	49.49	16.56	1.5	13	0.04	294	03	32	54.78	37	2.60	121	46.85	4.09	1.3	10	0.07
030	03	15	11.35	37	1.39	121	47.45	11.56	1.4	25	0.05	305	06	38	12.08	37	2.60	121	48.95	4.61	2.4	64	0.12
317	07	24	15.85	37	1.46	121	48.82	2.26	1.0	7	0.06	294	00	49	43.10	37	2.60	121	51.98	13.46	4.1	97	0.25
333	22	13	27.73	37	1.57	121	48.77	13.18	1.4	18	0.04	294	07	13	44.81	37	2.63	121	48.35	4.40	1.8	27	0.09
294	04	20	10.78	37	1.58	121	49.03	4.75	0.9	6	0.01	305	05	35	38.62	37	2.64	121	48.79	4.48	2.5	76	0.12
356	06	04	40.79	37	1.60	121	49.50	15.12	1.4	19	0.05	327	19	38	34.73	37	2.65	121	48.12	5.64	2.1	49	0.09
302	14	33	32.83	37	1.62	121	48.61	11.93	1.7	32	0.08	296	03	00	59.21	37	2.66	121	47.26	5.25	2.1	47	0.10
291	22	13	31.20	37	1.66	121	47.95	3.78	2.6	53	0.23	296	08	13	41.00	37	2.68	121	48.47	4.41	1.2	13	0.06
292	10	26	16.15	37	1.66	121	48.27	4.54	2.5	39	0.19	293	15	12	50.30	37	2.70	121	47.97	5.14	2.1	35	0.13
028	21	27	47.68	37	1.67	121	28.86	6.46	1.2	22	0.07	304	18	12	0.82	37	2.73	121	56.07	15.39	2.5	80	0.28
294	02	46	51.41	37	1.68	121	49.41	5.28	1.3	8	0.04	321	22	03	22.97	37	2.74	121	47.72	5.97	1.3	12	0.07
297	13	03	14.76	37	1.70	121	48.57	6.44	1.3	11	0.12	299	09	01	28.87	37	2.75	121	53.43	12.36	3.6	86	0.30
291	03	46	28.92	37	1.73	121	54.33	0.08	4.0	31	1.18	291	05	18	34.69	37	2.78	121	52.73	15.01	4.1	40	0.21
291	22	19	24.08	37	1.79	121	48.31	4.01	2.9	62	0.25	335	15	05	43.17	37	2.83	121	47.37	6.61	1.2	10	0.08
353	13	50	50.89	37	1.82	121	47.23	11.73	1.4	49	0.08	292	01	37	39.04	37	2.84	121	53.42	11.72	3.3	80	0.27
326	01	35	44.62	37	1.85	121	49.73	13.98	1.4	21	0.06	293	11	53	29.16	37	2.84	121	55.36	16.44	2.7	85	0.26
352	17	37	33.53	37	1.86	121	28.82	7.54	1.7	51	0.07	320	15	42	32.53	37	2.87	121	48.89	6.22	1.3	14	0.04
291	02	26	5.83	37	1.92	121	46.33	4.48	4.1	33	0.16	315	09	11	53.75	37	2.88	121	47.67	3.95	0.9	11	0.07
335	19	51	26.80	37	1.92	121	46.39	0.89	0.7	5	0.24	295	15	51	39.67	37	2.88	121	47.82	5.63	2.5	63	0.16
302	17	09	50.93	37	2.01	121	49.62	5.29	1.2	14	0.05	297	04	48	11.87	37	2.89	121	48.67	4.89	3.2	79	0.25
291	04	25	46.73	37	2.03	121	47.99	7.80	3.9	46	0.21	294	01	02	45.63	37	2.92	121	51.46	11.21	2.6	75	0.26
302	13	53	6.20	37	2.07	121	47.83	3.97	1.9	42	0.11	320	14	36	36.76	37	2.99	121	48.87	5.74	1.7	33	0.07
301	17	06	35.94	37	2.07	121	49.47	5.16	1.1	11	0.06	291	05	09	34.08	37	3.02	121	50.71	13.02	3.0	15	0.18
333	00	47	39.99	37	2.08	121	48.61	6.06	1.1	10	0.05	007	20	26	1.48	37	3.06	121	48.47	6.62	1.3	17	0.07
339	13	32	17.28	37	2.09	121	48.83	3.51	1.1	10	0.07	299	15	19	24.72	37	3.07	121	48.29	4.70	1.7	24	0.06
294	07	55	22.67	37	2.13	121	49.12	11.13	1.6	30	0.08	292	02	25	40.48	37	3.09	121	48.22	5.09	2.3	45	0.09

299	13	27	7.39	37	3.09	121	48.25	0.47	2.6	34	0.31	302	09	17	36.06	37	4.03	121	46.06	3.23	0.9	5	0.02
327	11	15	0.58	37	3.09	121	48.33	4.33	1.1	12	0.07	319	10	08	41.64	37	4.03	121	53.17	13.82	2.4	79	0.11
298	09	34	8.91	37	3.13	121	48.38	3.37	1.6	23	0.08	302	20	44	11.97	37	4.03	121	53.88	15.11	2.2	64	0.14
327	10	02	13.69	37	3.13	121	48.41	4.00	1.8	12	0.07	302	06	02	4.12	37	4.04	121	47.71	9.20	1.5	28	0.05
297	15	12	32.24	37	3.13	121	50.32	4.43	2.0	30	0.12	303	11	17	13.35	37	4.05	121	48.72	10.40	3.6	81	0.16
328	13	42	51.82	37	3.16	121	48.45	5.82	1.4	24	0.06	303	13	56	54.39	37	4.06	121	47.92	6.39	1.4	18	0.09
351	20	58	36.59	37	3.17	121	55.13	18.10	3.2	2	0.11	293	07	52	49.01	37	4.06	121	49.14	8.59	2.8	85	0.30
018	17	31	34.35	37	3.22	121	50.35	6.13	1.4	23	0.05	301	06	59	42.30	37	4.09	121	45.94	3.09	1.2	15	0.07
304	08	34	51.18	37	3.27	121	49.07	7.96	3.4	65	0.32	301	09	31	54.78	37	4.09	121	46.12	3.55	1.2	15	0.07
317	06	51	32.04	37	3.28	121	50.31	6.16	1.4	23	0.06	294	23	32	11.04	37	4.09	121	53.54	15.22	2.1	58	0.18
302	08	10	35.60	37	3.29	121	48.22	5.00	0.9	10	0.05	319	10	05	3.80	37	4.11	121	53.20	14.37	2.5	83	0.08
325	04	46	31.01	37	3.31	121	29.12	8.61	2.1	79	0.07	321	19	33	25.65	37	4.12	121	47.52	7.41	2.0	46	0.08
356	11	47	13.55	37	3.32	121	50.03	5.47	1.0	11	0.05	306	10	11	6.14	37	4.13	121	55.34	15.19	2.3	78	0.13
294	22	14	56.42	37	3.32	121	54.60	14.89	4.5	97	0.28	304	08	34	48.67	37	4.16	121	48.50	9.37	0.0	64	0.17
291	02	48	27.29	37	3.32	121	56.65	16.32	3.0	51	0.30	003	07	07	51.33	37	4.19	121	47.86	7.83	1.7	45	0.10
293	05	13	51.51	37	3.33	121	48.44	5.01	2.3	57	0.17	333	19	44	40.05	37	4.19	121	53.97	13.95	2.0	54	0.09
292	01	16	17.05	37	3.33	121	56.42	16.94	2.5	74	0.24	298	03	13	8.19	37	4.26	121	49.02	8.42	2.4	66	0.28
298	09	37	26.36	37	3.34	121	48.59	3.23	1.3	11	0.10	310	15	48	18.35	37	4.28	121	54.13	14.17	2.4	78	0.08
293	22	18	17.55	37	3.34	121	49.43	4.66	2.1	30	0.08	303	11	42	36.41	37	4.28	121	55.20	15.81	1.8	34	0.07
299	13	26	41.92	37	3.34	121	54.56	16.70	2.4	67	0.19	309	01	30	41.85	37	4.30	121	54.97	14.23	3.7	96	0.13
296	12	38	21.86	37	3.36	121	51.62	13.23	2.4	65	0.18	309	01	30	41.85	37	4.30	121	54.97	14.23	3.7	96	0.13
343	18	53	14.68	37	3.39	121	29.06	8.99	2.2	80	0.06	298	01	27	26.21	37	4.32	121	49.86	10.22	4.4	90	0.27
333	09	59	56.23	37	3.41	121	49.61	10.02	1.5	25	0.06	302	03	15	17.44	37	4.33	121	53.97	14.60	1.8	41	0.05
321	15	59	22.78	37	3.44	121	49.37	6.03	1.4	20	0.07	324	07	51	38.47	37	4.37	121	48.39	7.74	1.5	26	0.06
020	19	14	56.45	37	3.44	121	54.94	17.13	2.1	65	0.09	303	09	46	34.54	37	4.37	121	48.53	9.67	1.8	44	0.07
296	02	49	45.94	37	3.47	121	48.41	3.03	1.7	23	0.08	332	10	23	34.37	37	4.40	121	54.21	13.24	1.6	30	0.08
343	18	55	1.23	37	3.49	121	29.10	8.81	1.5	35	0.08	326	12	13	52.17	37	4.51	121	48.37	9.28	1.6	26	0.06
332	10	34	12.75	37	3.50	121	51.18	12.30	1.6	33	0.08	359	09	03	27.86	37	4.51	121	53.80	14.13	1.1	15	0.03
291	04	16	32.32	37	3.51	121	53.55	15.12	3.9	52	0.20	298	05	38	42.86	37	4.53	121	50.07	10.07	2.8	86	0.30
296	02	48	40.33	37	3.52	121	48.52	2.82	1.4	13	0.07	295	03	38	31.17	37	4.54	121	48.65	9.56	2.1	49	0.15
321	19	32	18.67	37	3.57	121	47.57	8.88	2.6	80	0.14	303	13	53	59.75	37	4.55	121	48.25	9.19	1.5	26	0.06
305	03	23	30.79	37	3.59	121	48.76	5.42	1.6	34	0.06	348	15	24	15.75	37	4.56	121	48.67	10.23	1.9	36	0.09
291	03	09	58.33	37	3.59	121	54.81	10.97	3.2	53	0.30	292	05	52	2.08	37	4.56	121	54.43	9.79	2.5	55	0.30
301	00	01	58.55	37	3.59	121	55.19	17.97	2.1	60	0.13	312	08	44	40.33	37	4.57	121	52.05	16.07	1.4	29	0.07
295	12	55	59.47	37	3.60	121	47.59	8.04	2.3	60	0.17	298	01	34	53.93	37	4.58	121	49.42	10.17	2.2	62	0.27
302	13	10	57.05	37	3.62	121	54.75	16.86	2.9	75	0.17	356	18	09	3.27	37	4.62	121	54.01	13.63	1.3	14	0.03
309	13	37	33.83	37	3.64	121	53.62	13.88	3.8	90	0.12	364	10	32	19.01	37	4.72	121	55.58	14.58	1.4	18	0.05
298	06	02	6.75	37	3.72	121	47.71	8.12	2.0	43	0.15	326	02	09	31.37	37	4.75	121	54.47	12.91	1.6	33	0.08
357	11	20	48.90	37	3.72	121	55.82	18.31	2.4	85	0.09	291	01	03	59.42	37	4.79	121	59.70	4.94	3.7	18	1.31
303	04	52	24.48	37	3.73	121	53.86	15.76	2.5	63	0.13	297	14	45	8.15	37	4.81	121	55.02	14.24	2.3	56	0.15
309	04	13	57.87	37	3.77	121	47.69	8.23	2.1	59	0.10	294	03	24	8.59	37	4.82	121	48.38	2.98	1.3	12	0.06
321	19	49	34.77	37	3.81	121	47.34	8.35	1.9	57	0.10	291	21	51	54.44	37	4.83	121	56.85	10.02	2.9	53	0.36
295	02	54	29.62	37	3.81	121	54.18	13.04	2.4	68	0.24	298	07	11	23.66	37	4.93	121	49.10	10.38	2.0	43	0.11
002	08	01	11.47	37	3.82	121	47.59	8.17	2.5	75	0.13	302	21	55	44.71	37	4.97	121	54.16	9.98	2.9	84	0.26
321	19	35	18.95	37	3.83	121	47.67	8.88	2.2	70	0.13	292	13	08	58.62	37	4.98	121	54.08	5.98	2.7	40	0.24
313	18	55	37.28	37	3.83	121	47.89	9.35	2.3	80	0.11	298	01	56	0.84	37	5.02	121	49.13	9.94	2.3	60	0.13
357	11	33	0.86	37	3.83	121	55.62	18.45	1.6	38	0.08	332	20	23	53.98	37	5.04	121	49.69	5.97	1.5	24	0.05
002	09	01	10.50	37	3.85	121	47.66	8.25	2.1	56	0.10	293	00	18	20.41	37	5.11	121	55.89	9.81	3.9	89	0.29
301	04	04	1.82	37	3.85	121	52.34	11.39	1.8	35	0.08	315	13	53	9.04	37	5.14	121	49.35	9.34	2.0	57	0.08
299	16	13	25.31	37	3.86	121	47.98	9.69	2.9	68	0.16	323	16	04	38.40	37	5.30	121	48.83	4.10	2.1	77	0.10
357	20	41	30.08	37	3.86	121	55.64	18.33	1.8	42	0.09	363	15	45	12.14	37	5.34	121	54.88	12.40	1.2	13	0.03
321	14	31	36.39	37	3.87	121	47.64	8.32	1.9	59	0.12	293	14	15	30.73	37	5.43	121	59.18	5.71	3.3	81	0.25
363	09	28	30.13	37	3.87	121	51.96	10.44	1.2	11	0.03	318	20	41	54.92	37	5.44	121	50.31	5.60	2.7	78	0.08
301	08	08	14.55	37	3.91	121	46.47	4.46	0.7	5	0.04	318	21	16	42.54	37	5.47	121	50.44	5.72	3.4	85	0.09
306	05	50	10.67	37	3.92	121	48.46	9.91	4.5	85	0.13	325	22	41	37.22	37	5.54	121	55.99	13.27	2.3	74	0.11
306	06	24	33.87	37	3.93	121	47.75	6.48	0.8	6	0.02	318	20	53	10.19	37	5.55	121	50.41	5.39	1.5	25	0.05
329	22	31	39.16	37	3.95	121	47.68	7.13	2.0	50	0.10	300	10	15	43.77	37	5.56	121	58.91	18.19	1.6	17	0.06
357	23	09	53.87	37	3.95	121	55.12	17.73	1.3	17	0.03	001	18	40	26.98	37	5.57	121	49.25	3.67	2.0	57	0.09
306	07	22	8.62	37	3.96	121	47.52	7.97	1.9	48	0.07	303	10	13	55.15	37	5.63	121	49.50	3.64	1.7	30	0.09
351	08	14	14.57	37	3.99	121	45.68	4.01	1.5	32	0.07	294	13	54	44.77	37	5.64	121	50.72	4.55	2.2	56	0.16
306	05	12	34.11	37	3.99	121	48.22	9.34	2.5	72	0.11	292	03	20	26.90	37	5.66	121	54.92	8.98	3.0	82	0.32
296	03	56	35.04	37	4.01	121	52.15	12.38	2.2	53	0.09	300	18	41	38.06	37	5.68	121	49.45	3.37	1.3	23	0.07
321	21	16	59.62	37	4.02	121	47.63	7.59	1.6	24	0.07	005	17	31	36.08	37	5.69	121	51.02	5.00	2.2	51	0.07
												295	07	49	59.08	37	5.70	121	58.57	18.78	2.2	54	0.12

300	16	58	15.81	37	5.77	121	49.18	4.30	1.3	20	0.08	291	04	17	34.91	37	6.95	121	55.03	7.63	3.0	14	0.04
334	17	29	8.88	37	5.82	121	46.07	2.95	1.1	9	0.06	300	11	09	1.02	37	6.96	122	1.37	7.68	1.6	5	0.02
357	07	18	23.60	37	5.82	121	54.10	9.66	0.9	5	0.00	310	08	27	4.86	37	7.00	121	53.18	3.89	0.0	18	0.07
361	20	08	51.66	37	5.86	121	53.47	4.32	0.8	6	0.06	310	07	50	16.72	37	7.09	121	53.10	4.49	1.9	45	0.08
309	15	28	52.13	37	5.88	121	48.03	4.33	1.4	22	0.07	009	22	52	46.60	37	7.11	121	31.43	6.55	1.7	44	0.06
355	21	38	50.28	37	5.88	121	53.86	8.88	1.1	7	0.05	296	21	27	40.64	37	7.13	121	55.76	8.72	3.0	80	0.33
318	00	03	0.42	37	5.91	121	51.65	5.39	1.7	36	0.08	294	15	38	7.53	37	7.19	121	52.43	4.38	2.3	31	0.09
291	03	21	47.76	37	5.92	121	51.60	4.14	3.9	53	0.29	364	23	24	27.29	37	7.21	121	54.33	3.78	1.4	20	0.07
303	17	52	32.36	37	6.00	121	49.50	2.96	1.4	19	0.07	344	01	51	9.02	37	7.21	121	58.07	14.58	1.9	61	0.08
294	12	31	57.29	37	6.02	121	51.09	3.86	1.6	32	0.06	364	08	07	35.51	37	7.23	121	54.59	2.72	1.2	14	0.05
291	03	35	45.27	37	6.09	121	52.90	5.19	3.6	55	0.27	301	09	32	9.99	37	7.26	121	53.29	3.92	1.1	14	0.04
300	17	03	8.00	37	6.12	121	51.21	4.57	1.8	30	0.07	004	04	19	38.95	37	7.27	121	54.76	8.14	1.2	16	0.04
316	07	22	50.09	37	6.12	121	51.91	4.45	1.6	31	0.09	328	20	34	42.09	37	7.28	121	52.04	3.30	1.5	27	0.09
312	23	59	42.19	37	6.13	121	49.19	4.79	1.7	34	0.07	291	04	14	47.99	37	7.28	121	59.85	14.60	3.4	55	0.26
336	12	37	28.32	37	6.14	121	58.56	18.29	1.8	52	0.09	336	10	02	9.62	37	7.29	121	58.33	14.06	1.7	46	0.09
329	08	56	23.65	37	6.15	121	46.18	4.35	2.8	91	0.12	307	12	18	39.89	37	7.34	121	54.64	8.77	1.6	23	0.05
291	01	22	45.23	37	6.15	121	56.56	8.45	3.0	23	0.33	365	18	27	42.00	37	7.36	121	57.98	14.07	1.7	48	0.08
329	09	50	21.37	37	6.19	121	46.19	4.52	2.9	87	0.10	291	03	23	56.15	37	7.39	122	0.23	15.06	3.8	56	0.28
358	16	46	40.94	37	6.20	121	51.15	4.30	1.8	39	0.07	349	09	18	2.92	37	7.41	121	31.39	8.62	1.6	43	0.06
025	15	47	59.64	37	6.20	122	1.51	8.45	1.6	4	0.00	003	18	49	31.06	37	7.50	121	47.96	5.83	0.8	4	0.00
291	03	02	43.22	37	6.23	121	53.29	5.64	3.6	36	0.28	292	01	51	25.23	37	7.59	122	0.13	13.56	2.8	79	0.28
329	09	00	31.19	37	6.25	121	46.26	4.09	2.4	81	0.09	356	07	13	41.06	37	7.67	121	54.47	4.27	1.8	39	0.07
303	01	09	23.48	37	6.26	121	49.30	4.96	1.9	38	0.10	357	05	16	35.37	37	7.73	121	55.10	5.06	1.0	4	0.04
291	03	16	19.45	37	6.29	121	50.18	4.66	3.1	41	0.12	291	21	35	48.13	37	7.73	121	59.48	14.17	2.3	38	0.19
320	09	43	21.59	37	6.29	121	58.29	17.78	1.6	45	0.08	307	11	29	44.59	37	7.73	121	59.82	14.91	1.9	25	0.05
356	02	23	55.67	37	6.30	121	54.60	9.93	1.2	20	0.05	002	09	09	26.49	37	7.75	121	58.45	13.47	1.5	20	0.04
305	19	31	6.94	37	6.31	121	49.67	4.73	2.1	41	0.08	344	08	01	51.84	37	7.81	121	58.22	13.86	2.1	74	0.09
299	05	10	6.89	37	6.32	121	52.12	4.57	1.9	39	0.07	361	12	25	18.54	37	7.83	121	58.32	12.60	1.4	26	0.04
295	22	55	8.76	37	6.33	121	51.03	3.62	2.5	42	0.08	291	05	38	2.23	37	7.83	122	3.29	14.72	3.0	36	0.24
012	21	05	47.77	37	6.33	121	51.07	3.96	1.7	30	0.06	365	17	52	31.09	37	7.84	121	54.30	4.30	0.9	5	0.01
294	00	11	11.15	37	6.35	121	58.44	15.22	2.5	76	0.24	327	08	42	53.44	37	7.89	121	59.46	15.15	1.6	37	0.10
305	06	16	3.64	37	6.38	121	50.19	4.63	2.3	69	0.08	303	12	58	36.47	37	7.91	121	54.96	10.21	2.1	50	0.12
305	08	03	17.27	37	6.42	121	50.34	5.01	3.7	82	0.09	291	05	38	2.23	37	7.91	122	3.08	15.15	3.0	39	0.24
294	15	58	45.42	37	6.44	121	51.69	5.18	2.6	55	0.15	363	00	36	55.30	37	7.97	121	59.26	14.27	1.8	45	0.13
291	01	40	35.51	37	6.44	121	52.07	7.41	1.7	5	0.02	324	06	13	0.65	37	8.01	121	54.93	12.42	1.8	55	0.11
016	12	01	1.65	37	6.44	121	52.41	4.41	2.6	67	0.10	301	19	48	6.53	37	8.07	121	55.15	10.19	2.1	46	0.10
363	16	45	8.64	37	6.45	121	31.05	6.95	2.1	69	0.07	291	01	50	31.17	37	8.10	121	58.76	9.27	3.0	44	0.27
305	08	39	57.12	37	6.46	121	50.38	4.45	2.1	47	0.11	307	11	45	6.95	37	8.19	121	59.35	14.37	1.9	58	0.10
294	14	52	24.12	37	6.46	121	52.94	4.01	2.5	60	0.15	291	02	30	5.30	37	8.22	121	59.92	14.24	2.3	25	0.05
300	11	28	25.88	37	6.47	121	49.89	3.79	1.2	12	0.06	294	12	54	39.35	37	8.28	121	57.08	4.92	3.1	69	0.30
304	05	32	44.62	37	6.48	121	50.07	4.67	2.0	46	0.08	356	04	06	44.81	37	8.29	121	59.12	13.05	2.1	67	0.10
335	03	50	53.21	37	6.48	121	50.45	4.28	1.5	31	0.07	324	06	16	4.16	37	8.37	121	54.87	11.52	1.4	25	0.07
319	14	37	38.02	37	6.50	121	50.47	4.14	1.6	28	0.08	030	09	06	29.33	37	8.43	122	8.50	8.37	1.9	31	0.11
002	11	39	34.97	37	6.51	121	51.63	4.55	1.5	26	0.08	291	05	37	43.14	37	8.44	121	59.55	12.04	2.1	28	0.13
308	00	20	28.14	37	6.52	122	2.97	10.49	1.9	35	0.12	291	05	37	43.10	37	8.44	121	59.58	12.42	2.1	27	0.13
355	11	36	29.61	37	6.53	121	31.10	7.50	2.4	88	0.06	001	08	32	25.58	37	8.47	121	59.19	12.19	1.5	25	0.06
362	13	48	42.79	37	6.56	121	51.55	3.62	1.1	16	0.07	364	09	35	53.40	37	8.47	121	59.29	13.59	1.8	45	0.08
322	11	19	33.01	37	6.56	122	0.27	12.06	1.9	48	0.08	332	06	48	13.92	37	8.47	121	59.31	14.11	1.8	43	0.07
361	10	38	46.61	37	6.57	121	51.71	3.38	0.7	4	0.00	309	14	06	39.68	37	8.47	121	59.45	12.07	1.5	24	0.08
317	07	46	9.40	37	6.57	121	58.21	15.33	1.6	30	0.09	346	03	52	1.00	37	8.49	121	59.07	12.98	3.2	92	0.09
025	13	35	38.24	37	6.65	121	49.76	4.51	1.9	49	0.06	291	20	39	39.22	37	8.49	122	0.38	9.40	2.7	59	0.30
357	17	42	32.89	37	6.65	121	55.12	6.05	1.6	26	0.07	010	21	52	49.49	37	8.50	121	58.95	12.30	2.2	52	0.07
356	09	16	44.44	37	6.68	121	49.75	3.34	0.7	5	0.04	291	01	43	37.82	37	8.62	121	58.37	8.33	3.0	51	0.26
355	11	27	28.42	37	6.69	121	31.17	7.73	2.8	88	0.06	353	22	55	50.38	37	8.63	121	58.86	11.37	2.3	63	0.08
012	08	15	34.04	37	6.71	121	50.12	4.21	1.5	25	0.08	308	07	27	31.91	37	8.64	121	59.37	13.19	1.6	26	0.07
356	08	56	22.89	37	6.72	121	50.25	3.70	1.1	23	0.06	301	23	01	10.57	37	8.66	121	55.85	12.38	1.7	34	0.08
296	00	31	58.36	37	6.73	121	50.28	5.08	2.4	53	0.10	363	15	35	37.64	37	8.73	121	59.04	13.23	1.6	28	0.07
318	23	08	24.79	37	6.76	121	52.27	3.25	1.5	30	0.07	004	03	28	3.38	37	8.77	121	58.96	11.78	1.2	14	0.05
001	08	05	20.70	37	6.87	121	52.49	3.67	1.7	38	0.08	341	04	32	9.55	37	8.81	121	59.44	11.71	2.1	53	0.08
357	01	02	0.27	37	6.87	121	53.38	6.92	1.0	15	0.06	320	09	38	2.49	37	8.87	121	58.76	10.84	2.0	61	0.09
310	08	27	15.11	37	6.91	121	53.35	3.94	2.6	79	0.12	003	05	53	34.07	37	8.90	121	57.64	8.37	1.4	18	0.05
294	08	32	19.39	37	6.92	122	0.11	14.79	2.7	80	0.26	291	02	36	1.95	37	8.93	121	59.17	9.53	3.3	55	0.27
303	15	41	54.21	37	6.95	121	54.48	3.47	2.4	65	0.24	306	07	03	20.76	37	8.95	121	33.11	2.13	1.4	21	0.07

365	15	14	8.56	37	8.97	121	58.43	10.38	1.1	6	0.01
358	06	41	17.49	37	9.00	121	58.18	9.60	1.6	31	0.07
314	08	05	52.17	37	9.02	121	55.92	6.72	1.9	41	0.09
356	03	48	23.27	37	9.03	121	55.37	3.89	0.9	7	0.04
322	06	30	17.34	37	9.05	121	58.63	9.04	2.1	54	0.10
291	01	19	31.42	37	9.10	121	56.97	10.17	2.4	9	0.22
301	11	20	27.72	37	9.11	122	3.72	11.48	2.0	48	0.20
325	09	55	58.88	37	9.20	121	58.98	13.72	1.5	24	0.06
293	21	24	24.60	37	9.46	121	33.63	2.71	2.2	54	0.07
328	05	35	16.65	37	9.46	121	58.40	8.37	1.6	36	0.09
291	23	13	12.61	37	9.49	122	2.55	8.21	2.2	13	0.14
338	13	15	41.56	37	9.49	122	2.66	14.30	1.7	35	0.08
294	17	08	22.97	37	9.53	121	33.52	3.12	1.4	16	0.07
291	04	50	26.91	37	9.57	122	1.37	9.64	4.1	55	0.30
294	10	57	4.41	37	9.64	121	59.22	8.20	2.6	78	0.26
306	04	23	12.68	37	9.64	121	59.33	6.51	2.0	46	0.10
357	03	03	40.92	37	9.67	122	0.39	10.89	1.4	18	0.08
363	09	00	44.40	37	9.70	121	58.13	8.81	2.0	48	0.08
307	02	57	25.11	37	9.71	121	59.69	10.50	1.9	45	0.08
291	04	25	11.48	37	9.71	121	59.81	8.90	3.3	50	0.26
295	08	15	17.01	37	9.73	121	33.42	2.97	1.2	7	0.08
295	02	46	25.20	37	9.75	121	57.92	7.24	1.6	16	0.08
018	18	16	6.87	37	9.75	122	0.68	10.81	2.6	75	0.11
291	01	16	19.53	37	9.84	122	0.05	7.89	3.6	25	0.31
018	08	58	12.72	37	9.85	121	59.64	11.05	1.3	16	0.10
296	02	18	28.46	37	9.88	121	57.53	1.16	1.0	5	0.04
300	06	39	55.11	37	10.06	122	0.76	7.77	1.2	13	0.06
291	02	30	29.58	37	10.11	122	0.97	8.28	3.2	49	0.30
291	02	30	29.58	37	10.11	122	0.97	8.28	3.2	49	0.30
297	03	37	12.37	37	10.14	122	3.75	15.08	1.8	31	0.06
293	08	12	53.90	37	10.16	122	4.70	14.45	3.6	81	0.29
323	12	11	17.36	37	10.19	122	0.20	9.10	1.2	18	0.07
300	05	43	51.24	37	10.22	122	2.28	13.79	1.6	26	0.07
020	20	29	25.21	37	10.23	122	1.15	11.49	2.5	79	0.11
009	12	22	54.90	37	10.25	122	1.08	11.46	1.9	49	0.09
360	15	43	10.89	37	10.27	121	59.08	7.87	1.3	14	0.04
308	08	12	41.33	37	10.37	122	1.46	15.27	1.5	26	0.09
348	05	18	19.88	37	10.38	121	34.16	3.82	2.1	73	0.07
297	07	02	23.36	37	10.44	121	57.68	6.32	2.8	67	0.24
295	08	17	8.34	37	10.45	122	4.54	13.63	2.6	82	0.29
334	07	18	26.75	37	10.48	121	54.75	10.99	1.6	32	0.07
297	22	26	12.99	37	10.52	121	58.08	5.28	2.5	55	0.28
339	12	07	11.22	37	10.52	121	59.61	8.11	2.0	59	0.09
307	13	19	43.42	37	10.54	121	57.50	4.82	1.7	25	0.07
291	04	18	16.24	37	10.56	122	3.64	12.28	3.1	41	0.22
318	04	50	51.63	37	10.57	121	57.53	5.20	2.3	66	0.12
322	12	35	23.11	37	10.58	122	1.97	11.01	1.4	20	0.08
297	08	56	12.79	37	10.64	121	57.84	5.83	2.5	67	0.27
009	07	19	18.17	37	10.65	121	58.20	5.28	1.8	31	0.06
300	07	19	43.14	37	10.72	121	59.43	8.39	1.8	28	0.10
354	06	06	7.63	37	10.74	121	57.80	5.00	1.7	23	0.05
361	16	22	13.50	37	10.75	121	57.97	4.51	2.8	85	0.14
002	04	55	43.52	37	10.80	121	57.26	5.85	1.2	19	0.06
359	10	53	51.57	37	10.80	122	0.25	8.71	1.4	20	0.05
302	18	20	21.59	37	10.80	122	1.89	11.30	1.2	6	0.04
311	08	20	46.81	37	10.88	121	57.76	4.42	2.2	54	0.10
002	07	49	5.08	37	10.93	121	57.39	6.00	1.8	31	0.07
298	03	05	23.69	37	10.94	122	2.32	13.69	1.8	28	0.09
339	08	13	56.89	37	10.95	122	0.20	8.78	1.7	27	0.09
326	12	02	6.32	37	11.04	121	58.49	4.62	1.9	34	0.10
305	23	11	12.56	37	11.05	122	1.91	11.94	1.4	16	0.05
014	10	44	50.13	37	11.06	121	57.80	5.67	1.4	16	0.05
020	08	23	19.21	37	11.06	122	0.17	7.78	1.5	16	0.08
291	02	48	51.83	37	11.09	121	59.74	8.25	2.7	22	0.05
291	02	48	51.83	37	11.09	121	59.74	8.25	2.7	22	0.05
031	13	12	12.82	37	11.10	121	56.89	4.04	2.7	78	0.08
310	19	53	33.66	37	11.11	121	58.95	11.00	1.7	29	0.07
031	13	12	49.35	37	11.15	121	56.85	3.77	2.8	69	0.08
291	01	08	9.13	37	11.21	122	3.31	11.87	3.9	47	0.24
311	04	30	2.54	37	11.26	122	2.01	10.14	1.7	26	0.08
303	14	04	0.69	37	11.30	121	58.63	3.49	2.0	39	0.09
320	04	59	28.95	37	11.33	122	2.59	12.34	2.9	82	0.11
304	03	03	5.60	37	11.36	122	4.01	12.92	2.3	62	0.21
293	04	02	57.83	37	11.37	122	4.54	10.38	2.3	72	0.30
328	22	06	43.28	37	11.44	122	2.88	12.46	2.0	56	0.10
300	02	25	9.37	37	11.45	122	2.38	13.12	1.5	15	0.08
363	09	10	51.83	37	11.47	122	2.90	12.63	1.5	17	0.06
310	02	01	8.76	37	11.53	122	2.66	11.80	2.2	66	0.11
329	18	23	50.29	37	11.56	122	2.44	10.92	1.4	16	0.09
361	16	10	1.26	37	11.73	122	3.28	14.74	3.1	92	0.11
363	02	08	53.85	37	11.77	122	2.70	10.04	1.9	46	0.09
363	11	32	31.50	37	11.77	122	3.41	12.01	2.0	53	0.11
305	00	26	51.33	37	11.81	122	2.95	12.16	1.3	14	0.05
354	19	49	37.14	37	11.85	121	56.91	3.60	2.4	73	0.09
360	22	46	41.62	37	11.86	122	3.11	14.28	3.[illegible]	86	0.10
303	17	41	2.34	37	11.87	122	2.56	12.15	1.7	28	0.06
355	01	06	57.23	37	11.89	121	56.95	3.40	1.5	20	0.05
031	03	02	20.57	37	11.95	122	1.75	10.94	1.9	39	0.08
348	21	40	26.11	37	11.96	121	56.90	3.50	1.7	30	0.07
026	08	13	39.27	37	11.96	122	10.64	2.79	1.1	7	0.07
364	08	26	3.98	37	12.05	122	3.03	12.77	1.4	28	0.06
365	11	45	8.75	37	12.06	122	3.04	13.17	1.5	26	0.07
362	05	34	8.90	37	12.10	122	2.86	12.59	1.8	42	0.07
338	14	09	55.75	37	12.18	122	2.71	9.08	1.4	20	0.06
311	14	23	57.15	37	12.21	122	3.28	12.34	1.7	20	0.07
320	14	07	40.15	37	12.23	122	2.34	11.73	2.4	79	0.11
014	16	26	47.45	37	12.31	122	3.13	12.72	2.1	54	0.07
016	10	25	54.11	37	12.39	121	58.06	3.15	1.6	23	0.07
356	00	13	44.30	37	12.89	122	3.42	11.53	1.9	47	0.07
298	12	23	34.99	37	13.16	121	59.96	5.68	2.1	10	0.14
332	05	44	51.79	37	13.31	122	1.74	8.41	1.2	13	0.07
354	04	26	15.04	37	13.33	122	1.92	6.42	1.0	6	0.06
312	04	46	49.47	37	13.36	122	1.71	8.66	1.6	19	0.07
312	12	17	40.78	37	13.39	121	45.68	8.01	2.0	62	0.11
312	07	35	13.27	37	13.45	122	1.67	8.11	1.2	10	0.05
003	22	18	54.66	37	13.52	122	8.36	7.87	1.5	10	0.10
328	07	58	42.76	37	13.61	121	56.70	3.33	1.2	14	0.10
338	21	23	58.55	37	13.61	122	1.67	8.58	1.4	19	0.06
314	22	27	6.66	37	13.66	122	8.30	7.14	1.0	6	0.10
012	22	40	18.96	37	13.70	122	2.00	8.25	1.4	19	0.07
009	21	25	11.45	37	13.75	122	1.58	7.29	1.2	14	0.12
317	00	09	31.32	37	13.77	122	8.42	8.89	1.9	28	0.10
359	14	57	50.60	37	13.81	122	8.57	8.92	2.2	53	0.13
301	09	03	29.37	37	13.82	122	1.14	8.48	1.1	20	0.06
318	08	41	32.10	37	13.84	122	8.36	9.42	2.0	50	0.11
314	20	28	8.37	37	13.85	122	8.14	8.88	1.7	9	0.16
342	03	02	2.88	37	13.87	122	1.79	8.21	1.4	18	0.07
320	20	21	46.05	37	13.87	122	8.16	8.44	1.6	11	0.15
317	11	32	51.31	37	13.87	122	8.31	8.87	1.6	17	0.15
318	09	41	13.82	37	13.90	122	8.31	9.33	1.2	14	0.16
314	22	07	51.96	37	13.92	122	8.31	8.84	1.8	15	0.15
311	23	42	37.29	37	13.96	122	1.69	9.70	4.0	86	0.11
336	20	02	0.38	37	13.96	122	1.92	9.86	3.5	91	0.13
314	22	36	12.71	37	14.02	122	2.01	8.19	1.2	15	0.05
317	03	28	2.85	37	14.02	122	2.55	5.01	0.9	7	0.04
327	07	36	36.34	37	14.03	122	1.93	7.33	1.2	11	0.07

312	00	42	12.15	37	14.05	122	1.39	7.43	1.1	10	0.06	325	04	45	1.53	37	18.02	122	5.46	6.00	1.6	26	0.07
314	02	11	59.57	37	14.09	122	1.62	8.17	2.2	64	0.10	328	16	10	31.13	37	18.10	122	3.25	4.92	1.2	9	0.06
362	06	11	45.75	37	14.17	121	37.32	5.57	1.9	49	0.07	029	16	02	48.51	37	18.23	122	5.27	5.16	0.9	5	0.02
348	18	04	10.30	37	14.17	122	1.21	7.58	2.1	59	0.11	306	09	33	24.18	37	18.25	122	5.12	4.12	1.6	17	0.06
015	17	34	25.39	37	14.18	122	2.75	7.49	1.2	8	0.04	335	15	27	44.92	37	18.44	122	1.13	9.70	1.4	14	0.30
328	18	04	16.04	37	14.31	122	2.06	7.84	1.2	13	0.05	306	09	33	14.96	37	18.44	122	4.85	4.14	0.8	5	0.02
003	22	44	59.38	37	14.36	122	2.44	6.21	1.7	24	0.08	304	02	36	23.44	37	18.52	122	6.05	4.24	0.9	7	0.06
338	11	08	2.77	37	14.38	121	57.91	3.06	1.7	24	0.07	311	04	40	42.84	37	18.57	122	7.70	2.88	1.4	9	0.09
328	10	58	28.25	37	14.42	122	2.25	9.64	0.9	5	0.02	337	04	51	23.66	37	18.60	122	6.96	4.35	1.0	6	0.04
302	16	50	44.48	37	14.44	121	58.15	2.99	1.4	22	0.06	011	06	45	9.13	37	18.64	122	5.95	6.45	1.0	6	0.03
318	09	06	34.74	37	14.47	122	2.42	6.72	1.8	25	0.10	299	22	54	56.64	37	18.66	122	8.75	2.41	0.7	4	0.00
356	06	17	34.05	37	14.50	121	57.86	2.46	1.7	27	0.07	335	04	19	0.35	37	18.74	122	5.77	5.67	0.8	6	0.03
007	15	03	9.14	37	14.54	121	37.56	5.37	2.3	87	0.07	357	23	52	50.31	37	19.06	121	55.00	9.24	2.3	85	0.10
314	04	14	18.66	37	14.56	122	0.81	5.14	1.0	12	0.05	299	19	42	33.35	37	19.11	122	8.24	2.61	0.8	4	0.00
313	05	40	13.41	37	14.56	122	2.74	7.60	1.1	8	0.04	339	19	28	5.32	37	19.27	122	5.90	0.02	1.9	17	0.28
328	20	05	59.78	37	14.64	122	2.76	8.83	1.2	11	0.07	346	20	51	34.40	37	19.33	122	6.12	0.03	1.8	24	0.14
351	02	15	42.48	37	14.68	122	1.83	8.53	1.3	23	0.06	004	20	28	20.64	37	19.34	122	6.01	0.03	1.7	27	0.12
310	03	18	4.15	37	14.68	122	2.35	9.97	1.3	13	0.03	355	18	58	40.23	37	19.35	122	5.98	0.02	1.9	25	0.16
322	07	06	30.41	37	14.73	122	2.83	9.09	1.2	15	0.05	347	21	16	0.48	37	19.35	122	5.99	0.02	1.9	24	0.14
334	11	24	38.24	37	14.75	122	2.33	9.21	1.2	18	0.06	030	00	17	46.11	37	19.37	122	6.00	0.03	1.8	14	0.28
019	06	48	48.72	37	14.78	122	3.01	8.19	1.0	5	0.01	304	20	31	43.61	37	19.40	122	6.03	0.03	1.5	21	0.31
021	09	57	44.59	37	14.81	122	2.89	9.35	1.2	19	0.06	304	19	47	40.36	37	19.40	122	6.12	0.00	1.8	22	0.37
331	04	02	36.26	37	14.82	122	2.56	4.97	1.4	23	0.09	312	18	31	43.73	37	19.44	122	5.98	0.04	1.5	13	0.29
347	04	15	31.98	37	14.83	121	38.03	3.68	2.3	84	0.06	010	20	27	0.16	37	19.44	122	5.98	0.03	1.8	21	0.15
336	21	15	4.99	37	14.97	122	2.16	6.34	1.1	7	0.06	012	19	01	36.14	37	19.45	122	6.07	0.04	2.0	15	0.11
334	08	42	46.41	37	15.02	122	2.69	2.35	0.9	4	0.00	031	19	12	32.62	37	19.46	122	6.15	0.04	1.6	8	0.13
013	03	13	29.00	37	15.08	122	2.99	9.45	1.2	11	0.04	332	21	34	23.04	37	19.47	122	5.76	0.02	1.8	5	0.09
321	13	41	23.15	37	15.12	122	1.26	4.44	1.1	9	0.07	305	18	39	49.46	37	19.47	122	7.05	4.31	1.4	4	0.00
321	14	15	46.61	37	15.13	122	1.10	4.48	1.2	11	0.07	361	19	09	45.07	37	19.49	122	5.99	0.02	1.6	8	0.13
302	05	50	36.96	37	15.13	122	2.03	4.77	1.0	9	0.11	331	10	23	40.41	37	19.49	122	11.64	8.13	1.2	10	0.04
300	23	50	12.84	37	15.13	122	3.02	9.94	1.1	18	0.06	335	19	50	47.27	37	19.51	122	5.92	0.03	1.6	19	0.19
320	08	27	28.78	37	15.31	122	1.13	5.22	1.3	16	0.07	335	22	10	34.04	37	19.52	121	41.35	7.28	1.6	36	0.06
305	04	07	43.08	37	15.53	121	38.31	6.91	2.5	89	0.05	306	18	50	2.44	37	19.52	122	6.15	0.13	1.6	22	0.10
321	23	38	46.85	37	15.59	122	2.25	3.55	0.9	6	0.03	022	06	01	10.45	37	19.52	122	7.51	5.78	2.9	79	0.10
304	03	53	13.40	37	15.62	121	38.39	6.75	2.4	72	0.06	313	01	21	5.21	37	19.52	122	8.05	4.11	1.0	13	0.07
326	01	06	37.24	37	15.64	122	3.72	4.50	1.8	26	0.12	342	18	36	25.90	37	19.55	122	5.81	0.08	1.6	6	0.07
330	23	34	56.70	37	15.71	122	8.54	3.76	1.0	6	0.03	348	20	44	52.17	37	19.55	122	6.33	0.03	1.7	13	0.24
291	03	30	34.77	37	15.89	122	4.34	4.39	2.9	43	0.20	008	18	48	9.08	37	19.56	122	6.14	0.02	1.6	10	0.15
303	09	59	5.95	37	15.97	122	5.70	2.03	0.9	6	0.01	321	21	49	1.89	37	19.58	122	6.39	0.04	1.9	24	0.20
303	13	25	51.01	37	16.07	121	38.62	7.02	1.9	46	0.05	293	18	06	28.76	37	19.59	122	6.09	0.04	2.2	8	0.14
303	13	56	11.95	37	16.08	121	38.72	7.08	1.8	50	0.05	320	18	31	12.09	37	19.60	122	5.91	0.02	1.5	6	0.07
338	07	43	43.23	37	16.09	122	1.07	4.12	1.5	23	0.07	332	19	12	55.91	37	19.61	122	6.21	0.04	1.6	12	0.10
291	03	39	11.37	37	16.14	122	4.39	4.71	2.5	24	0.18	030	20	41	5.49	37	19.62	122	6.02	0.02	1.6	11	0.13
309	07	08	53.47	37	16.15	122	3.72	5.22	1.2	14	0.06	340	18	58	10.92	37	19.63	122	5.77	0.02	2.1	17	0.26
326	05	29	31.96	37	16.44	122	3.79	5.88	1.0	6	0.02	310	04	13	7.91	37	19.64	122	6.02	5.92	0.9	6	0.04
347	12	00	1.80	37	16.45	122	3.00	4.08	1.9	36	0.09	313	20	34	0.59	37	19.65	122	6.13	0.15	1.2	4	0.08
347	05	33	46.06	37	17.31	121	39.94	3.48	1.8	49	0.07	303	20	15	42.26	37	19.67	122	6.21	0.08	1.5	14	0.11
343	07	29	36.56	37	17.34	122	6.00	4.14	2.1	51	0.10	298	02	37	5.43	37	19.68	122	6.64	0.48	0.8	5	0.05
312	10	42	30.39	37	17.43	122	4.35	5.88	0.9	5	0.05	300	17	33	53.29	37	19.71	122	6.33	0.08	1.7	6	0.12
363	10	16	38.98	37	17.48	122	3.93	3.78	1.9	29	0.10	338	03	58	45.03	37	19.80	122	6.21	0.19	1.4	20	0.07
319	05	53	41.47	37	17.52	122	3.95	4.67	1.6	24	0.08	331	11	51	31.87	37	19.86	121	41.73	6.77	2.0	62	0.06
299	07	29	7.18	37	17.56	122	4.08	3.97	1.7	22	0.12	325	18	42	17.21	37	19.91	122	6.11	0.02	1.8	8	0.10
307	07	56	47.89	37	17.60	122	3.98	4.44	1.7	39	0.08	313	10	16	51.50	37	19.91	122	7.59	5.90	1.0	4	0.01
364	06	19	29.35	37	17.64	121	40.23	3.02	1.7	42	0.07	298	22	27	59.64	37	19.93	122	5.36	0.02	1.2	5	0.01
353	20	08	7.16	37	17.66	121	40.47	1.88	1.4	19	0.04	318	16	11	22.08	37	19.93	122	7.24	4.13	0.8	6	0.03
307	06	46	51.77	37	17.74	122	4.06	4.60	1.6	17	0.06	334	03	45	49.20	37	19.94	122	6.21	0.63	1.2	6	0.06
010	19	04	26.68	37	17.80	122	0.76	7.50	1.2	7	0.03	024	18	19	50.68	37	19.96	122	6.34	0.03	1.3	5	0.06
307	08	36	9.49	37	17.85	122	4.05	4.88	1.0	8	0.03	362	19	04	3.00	37	20.10	122	6.23	0.42	1.4	5	0.05
319	11	39	4.96	37	17.87	122	5.16	5.84	1.5	17	0.06	306	19	45	43.63	37	20.12	122	8.41	4.80	1.0	21	0.08
325	14	42	16.79	37	17.89	122	5.46	5.65	1.7	28	0.08	003	18	36	52.38	37	20.31	122	6.38	0.44	1.8	7	0.07
300	14	50	40.85	37	17.90	122	4.65	4.53	1.3	8	0.07	299	20	31	21.97	37	20.37	122	8.10	3.33	1.4	7	0.09
293	04	24	56.44	37	17.95	122	6.32	4.57	1.6	8	0.09	303	01	39	53.84	37	20.50	122	6.83	0.03	1.1	6	0.15
324	09	45	42.63	37	17.97	122	5.48	5.98	2.0	48	0.08	310	11	36	0.86	37	20.51	122	7.15	2.61	0.7	5	0.05

016	04	30	2.59	37	20.56	121	42.31	7.57	2.4	73	0.08	301	08	35	14.18	37	41.68	122	32.85	9.59	2.5	46	0.14
299	01	42	49.61	37	20.59	122	8.57	3.99	1.1	14	0.11	333	04	05	10.12	37	41.81	121	59.94	8.47	1.7	33	0.14
016	04	34	24.67	37	20.66	121	42.36	7.83	1.8	60	0.06	301	23	33	43.57	37	42.09	122	31.76	7.95	1.6	10	0.04
300	00	17	41.46	37	20.72	122	7.01	4.85	0.8	4	0.01	328	14	26	50.25	37	45.74	122	33.18	15.31	1.5	19	0.06
333	09	56	22.20	37	20.82	122	6.60	4.08	1.5	16	0.07	308	07	16	4.71	37	46.41	122	9.76	7.97	3.6	69	0.12
299	19	36	12.38	37	20.82	122	8.22	3.41	1.4	18	0.12												
317	18	32	48.46	37	20.89	122	8.38	4.13	1.3	11	0.06												
306	09	57	37.30	37	20.94	122	8.11	4.39	1.2	7	0.04												
299	23	32	32.97	37	20.96	122	7.76	4.00	1.9	36	0.21												
299	23	31	44.93	37	20.98	122	7.99	3.78	1.4	22	0.12												
307	02	48	25.64	37	21.11	121	45.26	2.75	2.4	67	0.10												
018	03	24	41.22	37	21.12	121	43.04	6.02	1.8	59	0.07												
306	02	44	45.93	37	21.12	122	8.48	0.04	1.0	6	0.17												
357	21	07	4.75	37	21.23	121	43.14	5.56	1.0	20	0.07												
351	18	09	8.35	37	21.23	121	43.14	6.02	0.9	12	0.04												
350	11	20	40.67	37	21.29	121	43.19	6.24	2.4	86	0.06												
350	14	07	39.73	37	21.30	121	43.10	5.79	1.3	13	0.07												
359	10	48	40.30	37	21.43	121	43.19	8.30	1.6	46	0.06												
303	02	40	35.79	37	21.51	122	9.58	6.60	1.2	21	0.17												
012	08	28	8.21	37	21.60	122	7.51	4.08	1.2	8	0.07												
350	18	40	49.18	37	21.62	121	45.22	1.75	0.9	7	0.03												
361	08	42	58.92	37	21.80	121	43.72	4.71	1.0	15	0.05												
309	02	07	45.17	37	21.92	122	16.76	5.57	1.7	13	0.05												
002	23	28	31.29	37	21.95	122	7.82	0.02	1.2	5	0.13												
311	18	45	27.56	37	22.02	122	7.85	0.04	1.8	5	0.10												
323	00	26	19.49	37	22.03	122	8.79	3.85	1.5	17	0.06												
357	05	30	20.77	37	22.06	122	8.70	5.95	1.2	17	0.07												
332	15	34	27.73	37	22.17	121	45.47	2.09	2.3	62	0.08												
005	10	55	24.51	37	22.26	122	9.44	3.12	0.7	4	0.00												
006	15	53	57.31	37	22.28	122	9.23	3.30	1.0	5	0.02												
300	17	47	35.30	37	22.40	121	45.54	3.29	2.6	69	0.07												
316	05	20	5.32	37	22.54	122	10.06	3.50	1.2	7	0.06												
005	10	29	32.43	37	22.55	122	9.06	4.41	1.9	31	0.08												
299	09	53	20.95	37	22.70	122	9.75	3.14	1.2	6	0.06												
321	21	45	31.83	37	22.74	122	9.63	4.05	1.5	11	0.05												
004	14	44	38.75	37	23.21	122	8.00	3.66	1.6	16	0.05												
332	23	40	16.97	37	23.26	122	9.73	4.91	1.4	14	0.08												
351	03	27	47.67	37	24.22	121	45.59	7.75	1.8	57	0.06												
357	12	07	17.63	37	24.26	121	45.73	5.72	1.2	17	0.04												
361	14	32	22.77	37	24.39	121	45.89	7.29	1.3	24	0.04												
349	09	03	29.27	37	24.55	121	46.13	6.53	1.1	14	0.04												
354	14	57	29.17	37	24.65	121	46.27	5.72	1.7	28	0.05												
361	07	42	42.53	37	24.79	122	10.33	1.88	1.5	15	0.13												
330	08	52	20.98	37	25.37	121	41.62	8.09	2.8	85	0.07												
323	21	40	34.15	37	25.61	121	46.61	10.05	1.5	28	0.05												
317	20	58	45.13	37	26.42	122	10.30	7.40	1.2	7	0.15												
010	09	31	10.11	37	27.17	121	47.02	7.50	2.0	42	0.09												
347	15	06	48.32	37	27.71	121	43.76	6.97	1.7	33	0.04												
003	18	58	48.04	37	32.14	121	51.38	6.52	2.0	49	0.08												
348	18	58	36.83	37	32.70	121	51.45	6.08	1.9	43	0.11												
348	05	44	42.89	37	32.75	121	51.37	6.04	1.6	25	0.07												
328	06	12	25.13	37	32.86	121	51.35	5.57	1.4	14	0.06												
336	21	42	48.51	37	32.87	121	55.71	4.88	1.4	15	0.06												
300	00	38	17.27	37	35.89	121	58.14	9.84	1.9	8	0.35												
312	13	45	23.60	37	36.61	122	26.52	6.78	2.4	44	0.22												
327	02	00	18.31	37	37.17	122	28.51	9.23	1.9	16	0.09												
324	07	14	40.07	37	37.57	122	1.41	3.75	1.5	10	0.14												
322	11	04	46.43	37	38.61	122	28.53	7.92	1.4	11	0.05												
310	23	37	24.28	37	38.62	122	29.19	7.80	2.9	65	0.10												
295	00	51	31.97	37	38.63	121	40.93	6.39	2.0	32	0.11												
313	23	14	41.79	37	38.63	122	28.40	7.39	1.7	12	0.05												
313	23	14	57.50	37	38.63	122	28.44	7.52	2.0	13	0.05												
330	22	02	6.71	37	38.65	122	28.94	8.65	1.9	13	0.04												

Appendix C - Sample data file converted to ASCII for export

Use of hour code (A = 00, B = 01, . . . X = 23) shortens export filenames by one character and makes them PC-compatible. For example: 3472355P4.GAO -> 347X55P4.GAO.

Headers:

I010 = Year
I011 = Day (1-366)
I012 = Hour (0-23)
I013 = Minute (0-59)
I014 = Second (0-59)
I015 = Millisecond (0-999)
I020 = GEOS serial number
I027 = GEOS channel number: first active
I028 = GEOS channel number: this file
I029 = GEOS channel number: total
I031 = Number of data blocks
I032 = Index of last sample in last data block
I040 = Sensor serial number
I041 = Vertical orientation (degree, measured down from 0 = up)
I042 = Horizontal orientation (degree, measured clockwise from 0 = north)
I254 = Recorded motion type (1 = acceleration, 2 = velocity)
R005 = Sample rate (sample/second)
R006 = Component sample lag (second)
R040 = Station latitude (degree)
R042 = Station longitude (degree)
R044 = Station elevation (meter, above sea level)
R046 = Digitizing constant (count/volt)
R047 = Anti-alias filter corner frequency (hertz)
R048 = Anti-alias filter rolloff (poles, 6 dB/octave per pole)
R049 = Sensor natural frequency (hertz)
R050 = Sensor damping (fraction of critical)
R051 = Sensor sensitivity (volt/ground-motion-unit)
R052 = Amplifier gain (dB)

Notes:

I010 through I015 and R006 specify the time of the first sample in the file

Total samples in file = (I031 - 1) × 256 + I032

Ground motion = COUNTS / (R046 × R051 × G) where $G = 2^{(R052 / 6)}$

```
<<< program XASCII >>>
GSRSX0::DU2:[261200]3472355P4.GAO;1 -> 347X55P4.GAO
Headers
I(010) =    1989
I(011) =     347
I(012) =      23
I(013) =      55
I(014) =      46
I(015) =     132
I(020) =      24
I(027) =       1
I(028) =       4
I(029) =       6
I(031) =      14
I(032) =     192
I(040) =     188
I(041) =       0
I(042) =       0
I(254) =       2
R(005) =   0.2000000E+03
R(006) =   0.2500000E-02
R(040) =   0.3697298E+02
R(042) =  -0.1215665E+03
R(044) =   0.6800000E+02
R(046) =   0.3276800E+04
R(047) =   0.5000000E+02
R(048) =   0.7000000E+01
R(049) =   0.2000000E+01
R(050) =   0.7000000E+00
R(051) =   0.5000000E+00
R(052) =   0.4200000E+02
Data block #00001
     1     4     0     0     6     7     3     4     7     6     1    -4    -8
    -5    -1    -1     0     8    11     6     6    10     7     2     2     5
     6     4     0    -1     1     2    -2    -4     2     5     0    -1     1
     1     0     3     5     6     7     4     0     2     2    -1     0     4
     0    -5    -1     5     3     0     2     4     3    -1    -5    -3     3
     1    -1     4    11     8     3     6     7     4     3     5     6     5
     2    -1    -1     0    -2    -3     1     1    -3    -2     2     3     0
     1     4     6     6     4     3     6     7     3     4     8     6     0
     1     2    -1    -6    -4     0     1    -2    -5    -1     3     0    -2
     2     6     2     0     6     8     6     8    12    12     8     2    -1
    -1    -3    -8   -10    -6    -4    -4    -1     4     6     7    11    12
    11     7     2     0     2     0    -3     0     6     2    -1     2     4
     1     0     2     2     1    -1    -2     1     4     2     2     8     9
     4     3     5     3     1     0    -1    -1    -1    -4    -4    -1     0
    -2     2     8     6     3     6     7     4     3     3     1     0    -3
    -5    -1     2     1     3     9     6     0     0     1    -2    -5    -2
     2     3     0     0     7    13    11     7    10     9     1    -3    -2
    -4    -6    -4     0     4     4     2     3     9    10     6     6     7
     3    -1     0     1    -1    -1     1     5     5     1    -1     1     2
     0     0     3     2    -1    -1     1    -1    -1
Data block #00002
     1     4     3     2     1     1     2     0     1     4     3    -1     0
     4     4     2     4     5     5     4     0    -2    -1    -1    -1     2
     8     6     3     7     9     4     2     3     2     0    -4    -6    -2
    -1    -2     3    12    13     9     9    10     7     2    -1    -3    -4
    -6    -7    -3     1     1     1     6    10     7     7     8     5     0
    -4    -4    -4    -6    -6     0     6     3     2     8    12     8     3
     4     2    -1    -2    -1    -1    -2    -4     0     4     2     0     4
     8     3     0     1     2    -1    -2     0     2     1     0     2     8
     8     5     6     8     5     0     0    -1    -3    -2     0     3     4
     3     5     9     8     1     3     5     2    -2    -4    -3    -2     0
```

2	2	2	6	16	47	109	200	280	289	194	34	-118
-199	-207	-233	-337	-436	-412	-303	-219	-104	139	333	258	71
56	186	241	162	48	-14	-19	-2	5	-6	-47	-70	-23
50	84	66	49	78	107	84	20	-32	-16	27	19	-21
-51	-76	-87	-58	-14	-16	-33	44	172	117	-147	-308	-173
45	91	4	-41	5	51	19	-54	-61	40	154	185	157
160	203	191	43	-182	-310	-223	-58	-20	-72	-69	-52	-106
-158	-98	35	133	167	181	164	69	-71	-148	-97	-3	27
7	1	31	67	74	47	21	30	63	84	64	9	-36
-67	-117	-147	-80	19	31	-10	-26	-41				

Data block #00003

-74	-56	23	79	71	47	45	45	47	50	1	-97	-130
-37	60	23	-106	-172	-91	79	187	149	85	128	162	41
-137	-205	-148	-49	20	45	53	64	84	120	149	139	53
-92	-227	-297	-310	-297	-243	-101	116	295	299	139	5	19
79	64	27	65	132	112	7	-76	-95	-88	-66	-2	87
125	72	-39	-151	-200	-147	-27	83	140	147	112	28	-72
-120	-93	-20	48	54	-34	-136	-126	31	189	176	45	-29
-17	-17	-102	-209	-214	-86	67	133	105	64	90	186	259
213	40	-161	-248	-192	-85	-7	17	-18	-68	-63	-16	0
-12	7	59	95	91	64	35	12	-12	-40	-40	4	66
83	33	-41	-93	-104	-67	25	116	128	66	-3	-54	-104
-136	-100	-16	11	-46	-108	-81	32	129	136	74	32	77
144	122	9	-86	-98	-74	-77	-94	-64	14	85	77	-15
-97	-61	57	129	89	0	-48	-24	44	91	67	-10	-64
-61	-30	-7	2	4	-4	-8	-6	-29	-63	-41	29	57
15	-24	-7	51	115	122	32	-97	-156	-119	-56	-29	-2
45	66	27	-12	25	110	115	0	-118	-113	-13	60	43
-21	-75	-83	-52	-9	32	80	109	91	41	11	20	25
1	-10	12	40	47	22	-32	-84	-77	-12	21	-30	-116
-143	-70	35	69	35	19	47	57	21				

Data block #00004

-22	-33	-22	-26	-47	-40	12	56	40	-17	-65	-71	-39
-1	12	1	-23	-31	-3	58	130	189	193	109	-5	-38
31	116	142	113	55	-3	-49	-91	-144	-201	-212	-128	30
176	225	166	75	62	137	173	75	-91	-210	-251	-244	-215
-180	-140	-101	-68	-32	28	118	210	272	289	256	181	83
-35	-186	-364	-496	-494	-359	-164	26	169	226	197	126	76
76	114	152	168	168	142	63	-52	-161	-227	-261	-282	-272
-183	-19	150	254	273	229	162	126	136	151	131	68	7
-11	-7	-27	-69	-98	-101	-98	-101	-85	-38	8	18	1
15	91	174	195	134	32	-50	-77	-45	0	-6	-83	-147
-122	-55	-26	-38	-38	-9	20	44	81	102	65	-14	-93
-144	-139	-81	-23	-10	-15	0	6	-39	-112	-136	-80	25
94	98	97	143	206	229	213	171	93	-9	-86	-111	-108
-108	-115	-137	-157	-138	-64	11	25	-8	-4	63	136	163
158	149	138	119	83	12	-67	-113	-111	-89	-78	-97	-112
-75	-11	11	0	17	65	92	68	31	31	66	103	108
72	13	-35	-67	-94	-106	-92	-56	-15	8	-4	-56	-112
-137	-124	-85	-30	15	25	4	-14	-20	-1	32	52	49
53	83	124	150	142	104	72	61	37	-3	-29	-19	3
2	-34	-78	-85	-58	-45	-54	-46	-5				

Data block #00005

35	48	40	36	50	79	88	54	-10	-60	-54	-11	15
-3	-41	-62	-48	-26	-29	-51	-55	-34	-18	-18	-12	9
34	46	42	42	59	91	125	135	99	30	-26	-55	-72
-84	-81	-58	-25	-11	-20	-40	-48	-27	16	44	39	27
24	19	17	22	11	-25	-36	-8	12	-3	-23	-15	0
-9	-28	-27	-7	9	4	-7	-19	-31	-45	-48	-41	-29
-11	14	41	60	61	48	39	42	56	77	91	80	45
15	4	3	-10	-33	-44	-37	-35	-45	-49	-39	-25	-15
-9	-8	-8	-5	1	4	8	24	45	46	26	7	1
2	3	-5	-22	-25	-5	11	0	-22	-19	11	37	40

28	11	1	-1	2	3	-2	-1	13	28	33	32	26
7	-19	-29	-20	-10	-9	-4	15	32	20	-17	-51	-59
-43	-21	-12	-8	-2	3	2	-5	-14	-16	-7	10	19
13	1	-7	-17	-26	-24	-8	18	36	41	50	61	59
36	9	1	7	7	-3	-15	-15	-19	-41	-59	-39	6
29	13	1	24	57	54	17	-10	-13	-3	2	8	23
32	16	-14	-30	-21	-4	-2	-18	-21	2	27	39	42
41	30	19	15	13	12	11	7	-6	-21	-24	-21	-27
-37	-35	-25	-20	-29	-37	-24	8	28	15	-8	-7	18
40	32	3	-15	-18	-21	-30	-31	-12				

Data block #00006

14	28	20	-1	-14	-2	24	36	20	2	1	15	20
4	-16	-13	8	17	-1	-20	-26	-30	-27	-4	25	40
40	39	39	36	20	-7	-31	-34	-22	-18	-24	-24	-6
12	23	28	25	16	12	14	5	-8	-6	9	17	7
-6	-13	-8	0	12	21	26	24	15	2	-6	-5	3
7	4	0	4	3	-4	-9	-2	0	0	-6	-11	-18
-18	-6	11	18	17	23	33	35	31	25	17	4	-11
-26	-35	-32	-21	-16	-20	-19	-7	0	-12	-21	-18	-9
-9	-11	2	22	26	9	-5	-4	8	17	20	23	28
25	13	-9	-28	-30	-18	-8	-3	-4	-13	-10	16	37
29	12	8	8	2	-6	-7	-4	-3	1	13	20	18
18	27	28	18	14	24	26	8	-12	-20	-17	-14	-15
-22	-27	-19	-8	-4	-2	1	11	21	24	16	-1	-16
-13	7	21	12	-4	-5	10	21	16	0	-8	0	13
15	11	5	-4	-12	-11	-15	-25	-17	8	22	10	-13
-30	-33	-22	-1	19	30	31	26	18	15	16	4	-13
-20	-8	-1	-12	-27	-27	-14	6	33	47	33	10	-2
0	3	-1	-8	-12	-18	-24	-22	-16	-13	-3	12	22
21	20	29	44	43	28	13	4	-7	-14	-4	9	6
-12	-25	-26	-20	-8	4	17	18	2				

Data block #00007

-21	-26	-1	27	31	31	44	45	14	-22	-35	-34	-41
-46	-34	-7	14	19	11	5	8	12	8	5	11	18
18	9	0	-4	-7	-8	-7	-6	-5	-5	-5	2	21
35	27	11	5	7	5	2	4	8	6	0	-1	9
18	13	-2	-10	-11	-10	-19	-26	-22	-2	15	17	4
-8	-13	-9	-1	12	25	28	17	3	-8	-15	-14	-7
1	8	17	30	29	9	-18	-30	-21	-7	-2	-3	0
8	10	6	4	10	14	7	-4	-2	12	17	4	-8
-11	-6	3	15	23	19	5	-4	-3	0	-8	-24	-27
-6	19	29	16	-8	-26	-23	-8	6	5	-4	-8	-1
11	19	22	17	8	2	6	13	14	11	4	0	-2
0	-1	-3	-2	0	-2	-6	-8	0	16	29	25	7
-7	-8	-4	-4	-3	1	10	17	11	-8	-24	-16	2
14	15	15	11	-1	-11	-14	-16	-16	-12	-7	-6	-3
9	22	25	21	16	16	14	6	-3	-8	-3	2	-1
-12	-23	-24	-14	-2	4	8	14	19	15	8	2	1
2	2	1	0	-1	-4	-8	-14	-19	-19	-9	8	24
24	9	-3	0	13	18	13	12	13	10	0	-7	-5
-3	-8	-17	-21	-11	15	35	30	13	1	0	4	7
-1	-12	-14	-1	8	10	13	27	34				

Data block #00008

21	4	-4	-10	-17	-19	-14	-7	-4	-9	-26	-28	-3
26	27	10	2	6	11	11	11	9	3	-3	-1	8
15	11	6	9	11	3	-6	-6	1	5	3	4	12
15	5	-5	-13	-10	-5	-4	-7	-8	-4	0	2	6
9	9	6	-1	-6	-10	-11	-8	-4	-6	-10	-9	-1
5	8	4	1	8	21	24	9	-4	-5	-1	-2	-3
-1	6	12	12	8	9	14	15	7	0	5	11	8
1	0	-1	-4	-7	-10	-5	7	24	28	16	1	-5
-8	-10	-6	-1	0	-6	-12	-12	-6	-1	-1	-1	-1
5	12	14	14	16	19	12	0	-4	2	4	-7	-23

-26	-15	-1	0	-9	-16	-8	6	18	19	18	17	9
-1	-5	-1	3	1	-1	-4	-8	-8	-1	6	9	13
18	14	4	-1	0	0	1	2	0	-5	-6	-1	4
6	12	19	19	12	9	10	5	-1	-5	-4	-1	3
3	-2	-10	-4	2	1	-1	3	9	8	0	-6	-5
-1	3	6	9	5	1	1	5	7	6	8	11	12
10	5	1	-1	-4	-6	-4	0	4	4	-3	-16	-27
-27	-18	-14	-11	-6	2	12	20	21	19	16	14	14
16	20	19	6	-1	1	7	9	9	3	-8	-14	-8
-4	-7	-7	2	7	7	5	7	7				

Data block #00009

6	5	4	3	6	10	7	0	-2	-3	-7	-11	-7
-2	-4	-9	-8	-6	-4	-2	0	3	5	5	3	0
-5	-8	-6	0	6	12	12	5	4	7	11	12	4
-7	-15	-15	-8	-2	-1	-3	-3	2	14	20	19	10
0	-3	-2	0	3	11	19	20	14	8	3	0	2
3	5	5	5	3	-1	-9	-9	0	4	0	-1	0
-1	-3	-4	-8	-12	-4	10	13	7	5	13	18	16
13	5	-2	-4	-1	0	-1	0	4	7	7	4	-2
-8	-7	0	8	13	13	10	5	2	0	-3	-3	-1
0	-2	-6	-4	2	8	10	10	9	3	-7	-20	-26
-16	1	12	11	2	-4	-6	-6	-6	-5	0	4	4
2	3	0	-6	-6	0	7	10	14	16	9	-3	-8
-2	6	14	16	12	2	-1	7	13	14	12	9	4
1	3	3	-2	-2	2	2	-2	-1	7	11	6	3
4	6	5	1	-3	-10	-13	-14	-12	-9	-2	6	11
8	2	0	1	5	6	7	8	8	6	1	-2	-1
0	1	0	0	1	1	0	-1	-1	0	4	7	7
3	0	0	1	-2	-2	2	5	3	3	6	4	-3
-1	4	5	2	8	7	0	-3	-1	-4	-10	-8	-1
2	4	6	10	11	11	9	8	8				

Data block #00010

11	12	6	0	0	3	0	-2	-1	1	0	-2	-2
-1	-1	-1	0	4	4	1	1	8	13	11	4	0
-2	-2	-1	-1	-1	-2	-2	0	3	3	-1	-3	-4
-3	-2	0	5	7	4	-1	-1	1	3	2	3	10
19	21	14	5	0	0	1	-4	-11	-11	-7	-8	-7
-1	2	0	2	10	13	9	7	8	8	8	6	-4
-13	-9	1	4	3	5	9	8	3	0	-1	0	4
9	7	4	4	6	3	-1	-2	-1	-1	-5	-4	0
1	1	4	9	13	13	12	10	7	1	-5	-10	-10
-7	-2	-1	-1	-2	0	0	1	3	5	7	8	7
3	-2	-4	-4	-1	3	7	5	2	0	3	4	0
-3	-1	-1	0	4	9	7	3	3	4	2	2	6
8	4	1	-3	-6	-8	-3	1	1	2	8	10	10
11	12	10	9	11	8	-2	-7	-4	-3	-4	-1	3
1	-2	-1	0	4	3	0	-1	-2	-1	2	5	4
3	2	0	-1	-1	2	8	11	10	7	4	1	-1
-1	0	1	4	6	5	9	8	6	0	-2	-1	0
-1	-4	-6	-5	-3	1	5	6	6	9	6	-2	-5
-1	-2	-9	-8	-1	0	1	2	3	0	0	0	0
-2	0	4	5	4	7	10	7	5				

Data block #00011

8	12	8	6	8	9	5	2	0	-2	-5	-1	3
5	3	3	6	6	3	-1	-4	-4	-2	0	1	3
3	1	3	6	10	9	6	3	0	-2	-1	1	6
5	3	-1	-1	-1	0	3	4	3	4	4	2	0
-1	-4	-5	-4	0	4	5	4	10	13	8	-1	-4
-5	-10	-11	-4	0	1	5	11	10	8	10	10	6
6	10	6	0	-5	-6	-10	-12	-6	-1	0	-1	0
4	7	5	5	6	4	4	7	10	14	15	11	5
2	2	2	3	3	0	-3	-6	-7	-7	-5	-3	-2
1	8	13	14	9	3	0	-2	-4	-4	-5	-5	-4

0	4	9	10	12	13	14	8	2	2	3	0	-2
-4	-6	-12	-11	-4	0	-1	3	7	5	3	4	4
0	0	5	5	0	0	2	2	2	8	11	8	2
3	1	-6	-6	-1	2	3	3	3	4	2	0	0
3	3	2	0	-2	-3	-2	1	7	9	10	8	8
8	8	7	5	1	-3	-4	-4	-2	-3	0	4	6
5	3	6	4	1	-1	-1	-1	-2	0	3	5	4
4	8	8	3	1	2	2	-1	-2	-1	-1	-1	2
4	4	5	8	7	0	-4	-5	-7	-7	-1	4	5
6	8	6	2	4	10	7	-1	-2				

Data block #00012

-1	-1	-4	-3	-2	-1	-1	1	4	4	4	6	6
3	-1	-3	-2	-1	0	0	2	2	1	2	7	13
14	11	8	7	4	0	-1	0	0	-1	-1	-1	1
0	0	0	0	0	1	0	0	-2	0	4	5	6
11	16	10	4	5	5	0	-2	0	1	0	1	3
2	-1	-3	-6	-7	-2	4	7	6	9	9	3	-4
-4	-1	0	-1	0	-1	-3	-2	2	5	6	9	12
8	6	4	4	3	-1	-4	-5	-2	-1	-1	0	2
6	5	5	7	8	6	3	1	0	0	-1	0	0
-1	-2	-2	-1	-1	0	3	5	7	9	12	10	6
2	0	-1	-4	-7	-5	-1	-1	0	8	8	5	7
7	2	0	1	4	0	-3	-3	-5	-8	-1	4	2
-1	0	3	0	-2	-2	-1	0	4	7	8	7	10
14	11	4	1	0	-1	0	3	6	6	4	2	2
1	0	-2	-3	-4	-4	-2	-2	-1	-2	-2	0	7
12	14	14	12	7	0	-6	-8	-7	-4	0	3	5
8	8	6	3	2	2	1	0	0	-1	-3	-2	0
4	8	6	6	10	8	1	0	4	1	-1	0	3
0	-1	0	0	-1	3	8	6	3	7	10	2	-3
-2	0	-2	-3	2	5	5	5	5				

Data block #00013

3	0	0	0	-1	-3	-1	0	3	4	4	6	8
7	3	1	2	1	-1	-3	-3	-1	-1	-2	-1	-1
-1	0	3	8	10	8	9	8	5	0	-2	-1	-1
0	2	4	2	2	2	2	0	0	1	-1	-3	0
6	4	0	1	4	3	5	8	8	6	6	6	2
-2	-4	-3	-4	-4	0	3	2	4	9	8	3	4
3	-1	-5	-2	2	2	2	6	10	10	9	6	3
0	-2	-3	-5	-9	-9	-4	0	4	4	4	7	7
4	0	0	0	0	0	-1	-2	-2	-1	2	4	5
9	9	7	3	2	0	-2	-2	1	2	2	4	8
10	10	7	5	4	1	-4	-6	-2	-2	-8	-4	2
2	0	5	11	8	5	4	3	1	0	3	-1	-6
-4	0	4	2	4	9	12	10	10	8	2	-3	-4
-4	-5	-7	-6	-1	3	3	2	5	6	6	4	4
0	-5	-8	-8	-6	-2	0	4	5	8	8	8	6
4	4	4	3	0	0	3	4	6	9	9	7	4
2	2	0	-3	-3	2	6	5	7	11	7	0	0
5	3	-4	-8	-6	-7	-8	-4	-1	-1	1	7	8
8	10	8	1	-4	-2	-1	-2	0	3	3	0	3
6	7	7	8	10	6	0	-5	-5				

Data block #00014

-5	-6	-6	-4	-1	3	5	7	5	2	1	2	2
1	0	0	0	-1	-2	0	4	4	3	5	7	9
9	8	3	1	-1	-1	-2	-1	-1	0	0	2	2
5	6	6	1	0	4	3	2	5	7	6	4	5
5	2	0	0	-1	-4	-2	3	3	3	4	8	5
2	3	3	1	2	4	0	-3	-2	-1	-4	-4	0
3	1	4	7	7	4	1	-2	-4	-5	-6	-4	-3
-2	0	4	6	6	6	4	4	6	7	5	3	3
2	2	0	0	1	4	4	5	4	6	5	3	0
-1	-3	-3	-1	0	1	1	1	2	7	8	5	5

9	7	1	3	6	0	-4	-2	0	-2	-5	-2	-1
-1	2	6	7	6	6	6	2	0	1	4	2	2
4	3	-2	-1	1	-1	-5	-2	0	-1	-3	0	1
1	2	5	8	9	7	6	4	3	3	3	0	0
1	2	1	1	3	3	2	2	1	0			

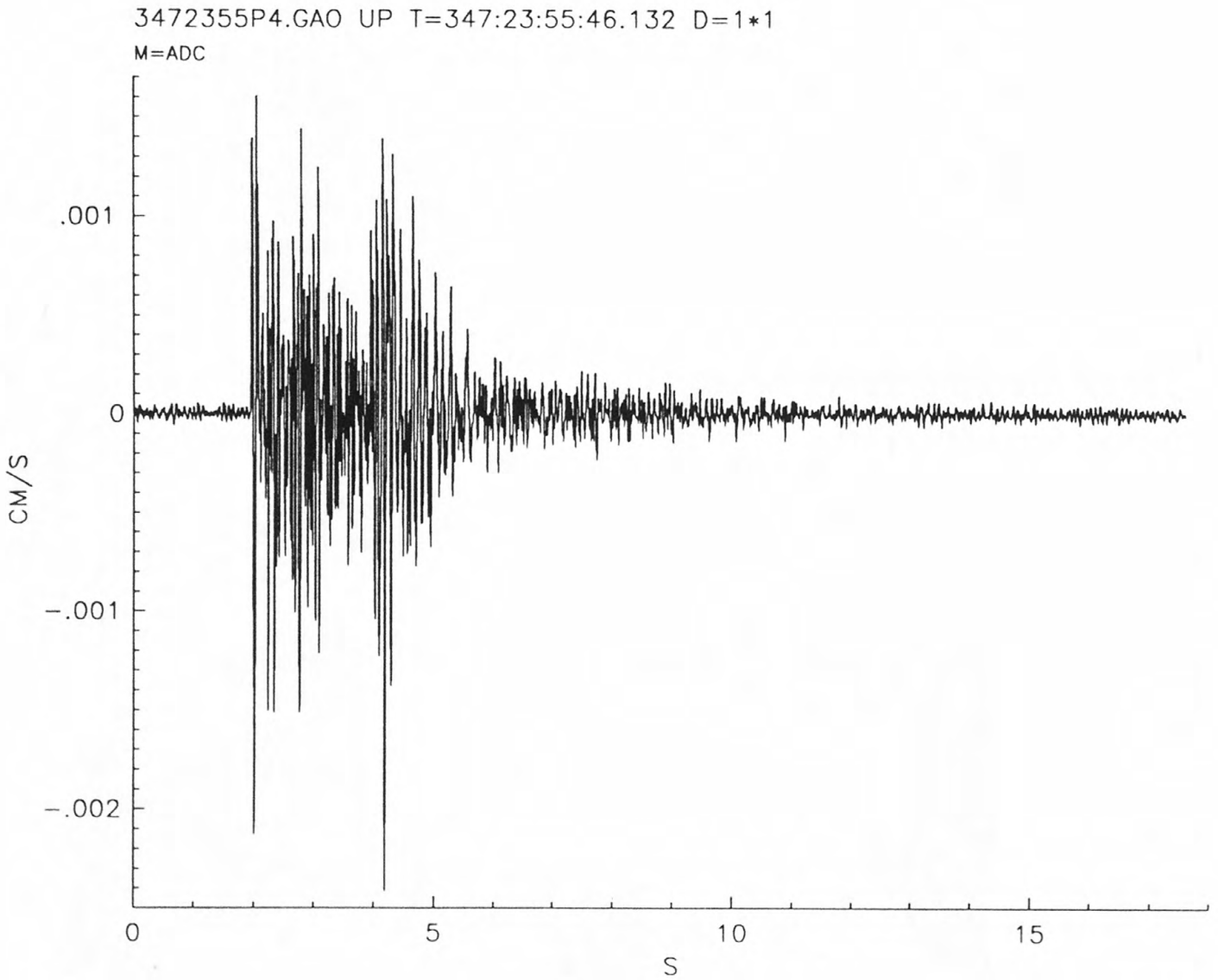

Figure C1. Plot of trace 3472355P4.GAO.