

**GOVERNMENT OF INDIA  
MINISTRY OF EARTH SCIENCES  
RAJYA SABHA  
UNSTARRED QUESTION No. 513  
TO BE ANSWERED ON MONDAY, JULY 23, 2018**

**EARTHQUAKE WARNING SYSTEM**

**513. SHRI NARAYAN RANE:**

**Will the Minister of EARTH SCIENCES be pleased to state:**

- (a) the details of the earthquakes which occurred in the country during the last three years and current year;**
- (b) the details of the loss of life and property due to these earthquakes;**
- (c) whether it is also a fact that the Council of Scientific and Industrial Research has developed an earthquake warning system; and**
- (d) whether this warning system has been established in various cities of the country, if so, the details thereof?**

**ANSWER**

**MINISTER FOR MINISTRY OF SCIENCE AND TECHNOLOGY AND  
MINISTRY OF EARTH SCIENCES  
(Dr. HARSH VARDHAN)**

- (a) Details of significant earthquakes that took place in the country (covering the area bounded by 6°-38°N Latitude and 68°-98°E Longitude) from National Seismological Network, National Center for Seismology, MoES during the last three years 2015, 2016 and 2017 and current year up to 12th July 2018 is annexed (Annex-1). Magnitude wise details of earthquakes are given below:-**

<b>Magnitude range</b>	<b>Number of earthquakes</b>
<b>3.0 - 5.0</b>	<b>1739</b>
<b>5.1 - 6.0</b>	<b>121</b>
<b>6.1 - 7.0</b>	<b>20</b>
<b>&gt; 7.0</b>	<b>3 (Maximum magnitude 7.7)</b>

- (b) The detail of loss of life and property due to earthquakes are compiled by National Disaster Management Agency/Ministry of Home Affairs (NDMA/MHA).**

**(c) &(d)An Earthquake Warning System (EqWS) has been deployed by Council of Scientific and Industrial Research – Central Scientific Instrumentation Organization (CSIR-CSIO) in Delhi Metro. System comprises five sensors installed at Mundka, Botanical Garden, Huda City Centre, Metro Bhawan and Faridabad stations. On 10<sup>th</sup>April 2016, the EqWS helped to stop the Metro services after the tremors hit the national capital. The system sensed and recorded the event and generated SMS to the concerned action points, in real time.The same technology is being tried in Greater NOIDA-NOIDA Metro line through M/s Siemens.**

**Details of earthquakes ( $M \geq 3.0$ ) which have been  
detected and located in and around the country  
(Covering the area bounded by  
 $6^{\circ}$ - $38^{\circ}$ N Latitude and  $68^{\circ}$ - $98^{\circ}$ E Longitude)  
by the National Seismological Network  
during 2015, 2016, 2017 and current year (up to  
12<sup>th</sup> July, 2018)**

**1) YEAR 2015**

Day	Origin-TIME			Latitude	Longitude	Depth	Magnitude		
Year	Mon	day	hr	min	sec	$^{\circ}$ N	$^{\circ}$ E	(Km)	(Richter scale)
(UTC)									
2015	01	01	17	16	34.4	35.94	70.17	10	3.9
2015	01	02	07	23	33.0	24.09	94.08	84	3.8
2015	01	02	23	23	14.8	22.31	96.34	10	3.5
2015	01	03	12	46	41.0	36.44	71.63	185	4.9
2015	01	05	09	20	16.7	24.13	93.94	79	3.6
2015	01	05	19	41	42.5	28.87	81.65	10	4.0
2015	01	05	23	25	32.0	33.10	92.97	10	4.8
2015	01	06	20	21	46.5	36.26	70.65	100	4.3
2015	01	07	04	08	25.0	36.75	70.50	200	4.3
2015	01	08	14	12	39.5	30.27	69.59	33	3.8
2015	01	08	16	29	23.2	36.66	71.06	100	4.0
2015	01	09	04	08	56.5	36.74	70.04	300	4.1
2015	01	10	13	06	44.7	11.77	93.45	150	5.3
2015	01	11	20	05	55.4	35.99	70.05	150	4.3
2015	01	11	20	55	33.5	36.20	70.79	111	4.7
2015	01	11	22	56	13.1	36.81	75.30	10	3.3
2015	01	13	06	33	53.9	24.67	94.27	76	3.3
2015	01	14	21	29	4.4	37.77	72.39	100	4.2
2015	01	15	01	33	1.0	22.62	92.52	10	4.6
2015	01	17	05	25	4.0	35.89	70.29	10	4.5
2015	01	17	23	30	15.1	36.32	69.54	139	4.7
2015	01	18	13	09	32.5	25.39	96.99	10	4.0
2015	01	18	22	23	59.5	27.99	93.90	10	3.1
2015	01	20	18	43	52.0	36.30	70.77	10	4.2
2015	01	20	21	41	33.0	31.89	71.69	10	3.4
2015	01	22	03	42	36.4	29.20	80.95	10	4.1
2015	01	22	07	43	14.8	12.91	92.94	30	4.1
2015	01	23	00	29	42.2	12.87	92.80	10	4.1
2015	01	23	04	49	7.0	29.71	80.44	18	3.1
2015	01	24	16	11	41.5	25.09	95.00	124	4.9
2015	01	24	17	19	10.6	35.66	69.75	10	3.9
2015	01	26	18	29	24.2	12.52	92.68	10	4.4
2015	01	27	12	41	31.5	22.94	95.85	10	3.8
2015	01	28	17	04	18.0	33.21	75.33	5	3.5
2015	01	29	15	52	40.9	33.15	85.69	10	3.2
2015	01	30	01	49	55.4	37.47	71.38	33	4.2
2015	01	30	06	37	41.5	12.85	95.26	10	3.6
2015	01	31	09	35	16.0	35.94	70.43	10	4.6
2015	01	31	13	59	43.9	28.25	84.10	10	4.1

2015 01	31	21 55	21.2	32.67	73.54	10	3.6
2015 02	01	13 33	1.0	24.99	96.94	21	4.2
2015 02	01	16 00	49.2	26.52	93.29	35	4.2
2015 02	01	16 54	43.2	36.40	70.65	194	4.7
2015 02	02	23 51	30.2	36.67	72.26	60	4.2
2015 02	03	09 28	4.4	26.24	90.83	11	3.8
2015 02	04	10 44	17.2	32.97	83.46	10	5.1
2015 02	04	19 52	56.2	33.00	84.24	10	3.4
2015 02	05	00 47	3.0	34.38	73.66	41	4.0
2015 02	05	10 36	53.7	36.44	71.11	250	3.8
2015 02	06	13 13	9.3	26.87	91.97	16	3.4
2015 02	06	22 39	27.1	25.46	94.50	82	3.6
2015 02	07	01 42	53.5	36.60	70.15	200	4.4
2015 02	07	02 41	45.2	36.00	70.29	190	4.2
2015 02	07	06 27	18.2	33.24	83.35	10	4.4
2015 02	07	13 40	39.0	36.55	70.27	80	3.9
2015 02	07	17 25	48.7	37.38	72.38	115	4.5
2015 02	07	23 35	54.0	36.83	72.54	33	4.4
2015 02	09	14 13	0.1	9.80	93.22	18	4.6
2015 02	10	12 34	15.3	37.34	71.89	252	4.2
2015 02	10	23 16	28.7	37.60	72.31	204	4.2
2015 02	11	03 30	12.0	13.23	92.22	9	5.3
2015 02	11	20 14	58.5	35.89	72.74	266	3.6
2015 02	12	08 19	34.2	34.74	74.97	15	3.6
2015 02	12	14 33	8.3	24.10	93.83	60	4.7
2015 02	12	15 33	52.4	24.15	93.88	38	3.6
2015 02	13	22 21	48.2	31.51	81.07	31	3.6
2015 02	14	00 44	29.2	31.47	81.17	19	3.9
2015 02	14	09 18	15.1	37.51	71.93	100	4.3
2015 02	14	17 06	44.2	27.42	86.88	17	3.7
2015 02	14	18 16	43.0	36.16	71.30	100	5.2
2015 02	15	14 14	12.3	35.07	76.04	72	4.5
2015 02	15	14 46	9.0	36.74	76.79	15	4.0
2015 02	15	20 51	51.0	11.28	91.74	41	3.0
2015 02	18	04 07	48.9	24.13	93.80	77	3.5
2015 02	18	13 49	30.2	37.96	73.55	90	4.5
2015 02	19	09 18	15.6	26.74	96.93	15	3.7
2015 02	21	15 55	35.5	25.71	94.21	97	3.9
2015 02	23	06 32	3.4	10.84	91.69	10	4.2
2015 02	23	06 36	32.7	26.09	95.23	114	4.2
2015 02	23	08 17	46.9	23.67	90.91	31	3.6
2015 02	24	12 54	41.4	25.66	91.50	18	3.6
2015 02	25	00 39	13.6	15.69	80.24	8	4.0
2015 02	26	13 58	7.3	36.72	71.02	150	5.0
2015 02	26	21 59	0.4	34.99	72.83	29	5.3
2015 02	27	14 54	22.2	36.43	69.86	80	4.3
2015 03	02	16 01	27.0	35.84	70.99	143	4.8
2015 03	02	20 51	54.7	36.03	77.67	28	4.4
2015 03	03	20 58	36.0	36.68	70.60	200	3.9
2015 03	04	06 00	49.5	36.01	69.15	100	4.1
2015 03	05	21 27	24.2	36.66	70.93	176	5.1
2015 03	08	05 45	20.7	22.79	95.82	10	3.5
2015 03	10	17 49	37.2	29.83	70.02	10	3.9
2015 03	11	19 14	33.7	36.54	71.00	159	4.5
2015 03	12	00 20	14.6	33.81	69.20	33	3.9
2015 03	12	13 24	8.8	32.63	73.50	10	3.1
2015 03	12	21 55	42.4	36.10	69.81	150	3.9
2015 03	13	04 17	20.2	9.70	92.04	115	3.7
2015 03	14	19 42	14.3	36.26	70.19	150	4.2
2015 03	14	20 37	26.0	23.97	93.88	23	3.8
2015 03	15	20 21	3.2	36.85	71.55	272	4.6

2015 03 17 15 28 40.7	24.48	94.93	100	4.1
2015 03 19 02 15 0.6	37.40	75.92	33	4.0
2015 03 19 03 43 14.8	29.32	92.16	10	3.3
2015 03 19 03 37 8.1	15.54	80.27	15	3.4
2015 03 19 09 41 57.2	24.02	72.72	10	3.6
2015 03 20 08 24 24.2	33.37	68.78	15	4.4
2015 03 21 17 44 31.7	36.74	71.42	66	4.9
2015 03 21 23 14 16.7	36.11	70.52	120	4.2
2015 03 22 10 20 19.0	25.61	92.67	40	3.8
2015 03 22 12 06 44.7	22.73	92.69	10	3.5
2015 03 23 11 53 27.6	29.00	77.64	10	3.4
2015 03 24 00 10 52.7	36.63	70.87	268	4.5
2015 03 24 20 45 46.7	29.74	69.55	10	4.2
2015 03 25 06 41 24.2	36.78	70.99	79	4.7
2015 03 25 10 13 10.1	13.44	91.83	29	4.6
2015 03 26 03 20 39.0	7.43	91.87	10	4.4
2015 03 26 04 43 18.7	31.20	69.92	10	3.6
2015 03 26 13 35 5.5	32.15	68.93	10	3.9
2015 03 27 02 00 46.4	36.47	71.34	299	4.4
2015 03 27 18 51 40.7	9.56	93.90	52	4.9
2015 04 01 09 43 35.2	25.87	90.60	10	4.0
2015 04 01 21 23 54.2	30.27	79.49	5	4.9
2015 04 02 00 56 40.7	28.71	86.43	35	4.8
2015 04 03 12 23 58.9	23.79	94.54	28	4.1
2015 04 03 12 45 23.2	10.79	93.78	100	4.8
2015 04 03 21 42 42.2	38.00	74.07	73	4.4
2015 04 05 00 21 56.4	37.22	71.74	130	4.4
2015 04 07 04 41 51.0	33.10	83.52	10	4.4
2015 04 07 17 07 18.7	36.69	70.83	100	4.5
2015 04 07 22 37 16.7	35.82	70.64	100	4.5
2015 04 08 01 43 49.7	21.83	89.60	30	4.5
2015 04 09 02 14 18.7	37.16	71.56	100	4.5
2015 04 09 11 19 57.2	26.66	92.80	38	3.5
2015 04 09 12 58 29.6	25.67	91.52	5	3.4
2015 04 09 14 12 47.2	37.02	71.55	165	4.8
2015 04 09 22 49 41.2	14.09	92.80	15	5.0
2015 04 10 06 21 56.7	36.72	71.61	150	4.4
2015 04 10 09 19 54.4	33.86	80.87	282	3.8
2015 04 10 15 47 54.7	36.55	71.68	66	4.2
2015 04 10 18 49 43.5	36.13	70.63	236	4.5
2015 04 12 19 13 18.7	36.65	71.32	200	4.4
2015 04 12 23 39 35.7	24.03	93.85	90	3.8
2015 04 13 04 27 23.1	37.07	71.71	66	4.2
2015 04 13 05 55 11.6	14.17	93.85	28	4.2
2015 04 13 09 27 3.5	35.61	70.39	136	5.2
2015 04 15 04 49 48.9	28.15	95.71	26	4.5
2015 04 15 17 56 59.4	24.58	96.25	10	3.8
2015 04 15 20 49 34.0	36.52	70.75	50	4.2
2015 04 16 22 05 48.2	26.91	92.65	8	4.8
2015 04 17 00 13 0.6	36.78	69.99	200	4.0
2015 04 17 00 20 14.5	26.33	92.40	24	3.8
2015 04 18 09 48 7.3	26.45	92.64	39	3.4
2015 04 18 17 22 19.2	10.13	92.39	100	4.0
2015 04 20 22 48 12.1	26.67	92.51	10	3.8
2015 04 21 00 17 27.7	14.16	92.92	10	5.1
2015 04 21 14 02 17.6	28.76	82.41	5	4.7
2015 04 21 14 32 34.0	28.63	81.88	5	3.4
2015 04 21 23 07 5.5	37.53	71.65	100	3.9
2015 04 22 01 29 11.3	28.85	82.39	10	3.9
2015 04 23 20 26 40.0	27.35	88.14	10	4.0
2015 04 23 23 58 21.6	12.17	94.57	30	5.1
2015 04 24 05 39 15.0	36.16	70.54	200	4.1
2015 04 24 06 20 46.9	36.38	68.30	100	4.4
2015 04 25 06 11 27.6	28.11	84.58	10	7.1

2015	04	25	06	45	24.2	28.00	84.81	5	6.5
2015	04	25	06	37	57.5	27.89	85.64	10	4.8
2015	04	25	06	56	36.4	28.16	85.90	10	5.4
2015	04	25	07	08	2.9	28.08	86.04	10	4.6
2015	04	25	07	39	35.5	27.45	85.57	5	4.3
2015	04	25	07	47	3.7	27.74	85.53	10	4.8
2015	04	25	08	05	39.7	27.61	85.72	10	4.6
2015	04	25	08	16	59.7	27.52	85.68	10	4.8
2015	04	25	08	20	46.0	26.64	84.61	10	4.7
2015	04	25	08	29	25.7	27.81	84.65	5	4.7
2015	04	25	08	49	10.3	27.62	85.02	5	4.3
2015	04	25	08	55	56.9	27.43	85.44	5	5.5
2015	04	25	09	17	3.4	28.40	87.19	8	5.4
2015	04	25	09	30	31.5	27.81	85.48	10	4.8
2015	04	25	09	43	3.0	27.97	85.00	10	4.0
2015	04	25	10	10	35.5	27.90	84.55	10	4.0
2015	04	25	10	23	19.6	27.52	85.67	10	4.0
2015	04	25	10	40	36.5	27.44	85.82	5	4.3
2015	04	25	10	53	45.5	27.66	85.82	10	4.2
2015	04	25	11	05	3.5	27.74	85.43	10	4.0
2015	04	25	12	01	12.8	27.79	85.75	5	4.1
2015	04	25	12	12	16.7	27.51	85.79	9	4.1
2015	04	25	12	17	57.5	27.37	85.26	10	4.4
2015	04	25	12	44	7.4	27.91	84.62	10	5.2
2015	04	25	13	30	30.7	27.85	85.07	10	4.5
2015	04	25	13	36	15.3	27.19	85.80	10	4.5
2015	04	25	14	10	5.0	27.47	85.77	10	4.2
2015	04	25	15	17	17.1	27.52	85.36	10	4.0
2015	04	25	16	27	24.1	27.83	85.57	10	4.6
2015	04	25	17	42	54.0	28.20	85.85	10	5.1
2015	04	25	18	58	35.7	27.55	85.35	10	4.1
2015	04	25	20	07	4.9	28.03	84.56	10	4.3
2015	04	25	20	32	49.9	27.58	85.90	10	4.2
2015	04	25	21	07	20.2	27.75	85.79	10	4.5
2015	04	25	23	16	16.7	27.78	84.93	10	5.2
2015	04	25	23	41	55.5	27.51	85.94	10	4.4
2015	04	26	02	48	40.7	28.00	84.52	10	4.2
2015	04	26	03	21	39.7	27.48	85.47	10	4.3
2015	04	26	04	58	41.0	27.94	84.82	10	4.1
2015	04	26	04	50	30.5	27.94	85.35	5	3.9
2015	04	26	04	58	41.2	27.99	84.84	5	4.3
2015	04	26	07	09	10.5	27.68	85.90	10	6.7
2015	04	26	07	26	6.0	27.59	85.83	10	4.8
2015	04	26	07	36	29.2	27.61	85.94	10	4.5
2015	04	26	07	50	28.2	27.73	85.97	10	3.9
2015	04	26	08	10	37.5	27.85	85.65	10	4.1
2015	04	26	08	40	58.2	27.69	85.93	10	4.6
2015	04	26	08	46	16.6	27.08	85.38	10	4.3
2015	04	26	09	14	30.1	35.88	68.04	100	4.4
2015	04	26	09	42	8.3	27.65	85.78	10	4.2
2015	04	26	13	11	16.7	27.73	85.51	10	4.2
2015	04	26	14	44	54.2	28.44	86.29	10	4.3
2015	04	26	14	57	4.5	28.08	84.73	10	4.0
2015	04	26	15	56	54.2	26.36	92.83	39	3.5
2015	04	26	16	26	7.5	27.63	85.74	10	5.4
2015	04	26	17	38	46.7	27.90	85.25	10	3.6
2015	04	26	18	06	36.0	27.77	85.48	10	3.2
2015	04	26	18	54	52.0	28.03	84.97	10	4.1
2015	04	26	20	39	21.7	27.88	85.79	10	4.1
2015	04	26	21	52	26.1	27.69	85.09	10	3.6
2015	04	26	22	32	36.0	27.52	85.66	10	4.1
2015	04	27	00	01	49.4	27.48	85.85	10	3.7
2015	04	27	00	39	15.5	27.09	84.69	10	3.8
2015	04	27	01	15	52.2	27.66	85.92	7	3.9

2015	04	27	04	14	46.9	28.12	85.14	10	4.1
2015	04	27	06	00	1.7	27.67	85.98	10	4.0
2015	04	27	12	35	51.4	26.84	88.10	10	5.2
2015	04	27	13	17	48.2	27.91	84.79	10	4.1
2015	04	27	14	42	39.5	27.63	85.67	10	4.2
2015	04	27	14	57	2.4	27.67	85.99	10	4.0
2015	04	27	15	51	46.7	27.52	85.17	10	4.0
2015	04	27	18	59	56.0	27.82	84.72	10	4.4
2015	04	27	20	21	58.2	31.64	83.88	10	3.3
2015	04	27	21	27	42.7	27.74	85.64	10	4.0
2015	04	27	22	26	8.3	27.90	84.53	10	4.0
2015	04	27	23	20	30.2	27.91	85.37	10	4.3
2015	04	28	05	03	25.1	37.17	71.79	175	5.2
2015	04	28	19	34	59.9	27.56	85.80	10	4.0
2015	04	28	21	44	26.0	27.63	85.68	10	3.7
2015	04	28	21	57	49.5	27.44	85.83	10	3.3
2015	04	29	00	48	15.8	26.85	92.47	6	3.6
2015	04	29	05	52	12.3	37.28	71.85	107	5.0
2015	04	29	09	39	17.2	27.62	84.73	10	4.1
2015	04	29	11	27	47.2	27.69	85.40	10	4.4
2015	04	29	17	16	36.4	27.77	85.52	10	4.1
2015	04	29	22	10	54.5	28.06	87.26	10	4.2
2015	04	30	00	37	12.8	27.61	84.68	10	4.3
2015	04	30	09	00	20.6	28.70	96.52	10	3.9
2015	04	30	17	34	40.2	27.59	85.74	10	3.9
2015	04	30	19	21	19.0	26.45	94.74	10	4.8
2015	04	30	20	19	1.2	26.46	92.69	37	3.9
2015	04	30	20	33	19.1	26.06	95.02	10	3.7
2015	05	01	04	39	20.1	28.25	85.82	10	3.5
2015	05	01	04	52	14.6	27.71	85.88	10	3.7
2015	05	01	08	58	40.5	10.88	91.89	7	5.2
2015	05	01	18	47	21.7	27.98	84.76	10	3.3
2015	05	01	22	10	16.0	27.80	85.70	10	3.8
2015	05	02	00	10	52.0	27.70	86.17	10	4.2
2015	05	02	01	03	13.5	27.73	85.82	10	4.0
2015	05	02	03	47	8.6	27.81	85.48	18	3.6
2015	05	02	05	35	47.7	28.04	84.70	10	4.9
2015	05	02	08	01	7.9	36.37	70.93	250	4.7
2015	05	02	09	41	13.8	28.34	85.11	39	3.8
2015	05	02	15	16	21.7	27.70	85.96	16	3.6
2015	05	02	21	44	11.1	27.73	85.86	10	4.4
2015	05	02	22	39	33.0	28.00	84.87	6	3.2
2015	05	03	02	15	30.0	27.69	84.74	10	3.7
2015	05	03	02	22	22.5	28.00	87.67	10	3.4
2015	05	03	11	35	10.8	27.98	85.00	10	4.3
2015	05	03	23	14	17.6	27.63	85.82	10	4.0
2015	05	04	01	15	8.6	27.44	85.89	10	4.5
2015	05	04	08	50	3.0	27.76	86.11	10	3.7
2015	05	04	12	17	15.6	27.53	85.92	10	3.9
2015	05	04	14	19	7.5	27.81	85.71	37	3.5
2015	05	05	00	54	5.5	28.04	84.92	10	3.5
2015	05	05	10	38	48.7	27.57	85.95	10	4.1
2015	05	05	11	15	43.9	27.83	85.89	10	3.8
2015	05	06	12	17	12.8	28.25	84.44	10	3.7
2015	05	06	12	35	36.5	28.60	86.56	10	3.3
2015	05	06	14	45	44.7	12.73	92.04	25	4.5
2015	05	06	15	13	22.7	27.43	85.46	10	3.5
2015	05	06	21	56	30.0	27.60	85.12	10	3.3
2015	05	07	03	13	52.5	36.34	70.72	80	4.2
2015	05	07	16	30	49.4	27.80	85.31	10	3.3
2015	05	07	20	34	48.0	27.87	85.57	10	3.7
2015	05	08	00	32	34.7	27.51	85.82	10	4.6
2015	05	08	05	08	26.7	29.11	76.85	6	3.3
2015	05	08	07	47	55.5	27.61	85.76	10	4.2

2015	05	08	21	23	29.6	28.01	85.13	7	3.6
2015	05	09	01	01	52.2	23.56	70.36	15	3.8
2015	05	10	00	49	53.5	27.76	85.88	10	3.7
2015	05	10	03	18	9.3	36.27	71.12	77	4.2
2015	05	10	03	47	15.3	36.27	70.11	150	4.5
2015	05	10	09	38	36.7	27.47	85.46	10	4.2
2015	05	10	14	17	37.0	27.66	85.74	10	3.3
2015	05	11	03	20	38.7	27.81	85.64	10	3.4
2015	05	11	14	51	2.7	28.25	85.89	10	3.7
2015	05	11	14	52	34.0	27.79	85.29	10	3.6
2015	05	11	20	17	47.7	36.04	70.71	150	4.0
2015	05	11	22	43	6.0	36.64	70.22	225	4.4
2015	05	12	06	10	49.7	37.79	68.64	52	4.4
2015	05	12	07	05	19.7	27.53	86.01	10	7.4
2015	05	12	07	17	23.2	28.11	86.32	22	5.4
2015	05	12	07	20	46.5	28.77	86.24	10	4.3
2015	05	12	07	22	26.1	27.64	86.24	10	4.3
2015	05	12	07	23	42.0	27.35	86.53	10	4.2
2015	05	12	07	36	54.7	27.27	86.04	10	6.2
2015	05	12	07	34	22.2	28.12	86.17	10	5.2
2015	05	12	07	51	28.6	27.83	85.93	10	4.2
2015	05	12	07	47	47.5	27.64	85.97	10	4.2
2015	05	12	07	43	15.1	27.63	85.98	10	4.3
2015	05	12	07	57	14.5	27.16	86.10	10	4.2
2015	05	12	08	06	8.0	27.10	85.79	10	4.6
2015	05	12	08	13	56.0	27.50	85.75	10	4.9
2015	05	12	08	21	11.6	27.52	86.04	10	4.9
2015	05	12	08	05	24.2	27.31	85.85	10	4.1
2015	05	12	08	59	41.2	27.55	86.19	10	4.2
2015	05	12	08	34	26.0	27.93	85.80	15	4.2
2015	05	12	08	39	8.3	27.57	85.85	10	4.0
2015	05	12	08	43	4.0	28.01	86.30	10	3.8
2015	05	12	08	48	51.7	27.37	85.97	10	3.4
2015	05	12	08	51	39.4	27.71	86.40	10	3.3
2015	05	12	09	02	12.8	28.44	86.40	10	4.1
2015	05	12	09	09	34.2	27.22	85.82	15	3.6
2015	05	12	09	14	36.5	28.93	86.52	10	3.5
2015	05	12	09	38	15.8	27.43	85.82	10	3.2
2015	05	12	09	21	20.1	29.52	87.77	10	3.3
2015	05	12	09	41	17.7	28.11	87.11	10	3.2
2015	05	12	09	44	33.0	27.85	85.49	10	3.4
2015	05	12	09	48	30.6	27.63	86.00	10	3.4
2015	05	12	09	55	59.2	27.42	86.21	10	3.3
2015	05	12	10	04	5.0	27.44	85.85	10	3.9
2015	05	12	10	15	9.8	27.24	86.06	10	4.1
2015	05	12	10	31	7.5	28.14	86.20	10	3.7
2015	05	12	10	35	43.0	27.49	86.03	10	4.5
2015	05	12	10	40	19.7	27.33	86.79	10	3.2
2015	05	12	10	41	31.2	28.30	86.39	10	4.0
2015	05	12	10	49	18.7	27.37	85.11	10	3.5
2015	05	12	10	53	19.1	28.35	86.03	10	3.7
2015	05	12	11	06	35.7	27.48	86.06	10	4.0
2015	05	12	11	13	23.5	27.57	85.83	10	4.2
2015	05	12	11	21	32.7	27.65	86.07	10	4.1
2015	05	12	11	26	57.2	28.07	86.23	10	3.2
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2015	05	12	12	28	25.7	27.51	85.92	10	4.2
2015	05	12	13	02	13.5	27.16	86.20	10	3.7
2015	05	12	13	10	46.9	28.56	86.41	10	3.5
2015	05	12	13	25	28.0	27.47	86.03	10	3.5
2015	05	12	13	08	13.1	27.37	85.78	10	3.9
2015	05	12	13	43	19.2	27.50	85.77	10	3.8
2015	05	12	13	47	6.0	27.97	85.77	10	3.5
2015	05	12	13	57	16.0	28.58	86.07	10	3.4



2015	05	12	13	59	1.6	27.22	86.25	10	3.5
2015	05	12	15	28	22.7	27.57	86.18	15	4.1
2015	05	12	15	59	46.9	27.42	86.00	11	3.4
2015	05	12	16	15	14.8	27.86	86.25	10	3.7
2015	05	12	16	32	11.5	27.60	86.14	10	4.0
2015	05	12	16	49	52.4	27.93	85.99	10	3.1
2015	05	12	16	55	25.7	27.67	85.91	10	3.9
2015	05	12	17	28	41.7	27.53	86.14	10	5.1
2015	05	12	18	49	9.3	27.49	86.39	10	3.6
2015	05	12	18	51	46.4	28.11	86.38	10	3.8
2015	05	12	19	35	1.2	27.56	86.06	10	3.7
2015	05	12	19	37	42.7	27.25	86.01	10	4.1
2015	05	12	20	22	17.2	27.22	85.14	10	3.8
2015	05	12	20	44	31.1	27.61	86.10	10	3.8
2015	05	12	21	13	3.4	27.56	85.82	10	3.4
2015	05	12	21	25	12.8	27.85	84.69	7	5.3
2015	05	12	21	57	16.1	27.82	85.94	10	3.7
2015	05	12	22	53	19.5	27.66	86.31	10	4.1
2015	05	13	02	23	12.1	27.47	86.13	10	4.2
2015	05	13	02	43	49.2	27.60	86.18	10	4.1
2015	05	13	04	48	6.5	27.77	86.13	10	3.8
2015	05	13	06	26	9.1	27.66	86.11	10	4.5
2015	05	13	06	37	32.0	27.64	86.06	10	4.5
2015	05	13	06	53	1.2	27.60	86.14	2	4.7
2015	05	13	08	45	58.7	28.03	86.37	10	4.1
2015	05	13	09	52	29.7	27.57	86.17	10	3.7
2015	05	13	10	59	45.7	27.45	86.03	10	4.2
2015	05	13	12	59	33.0	28.35	85.36	10	3.9
2015	05	13	15	36	18.6	27.73	85.58	10	3.8
2015	05	13	15	51	5.0	27.44	85.86	10	3.7
2015	05	13	18	31	4.0	27.70	86.14	10	4.0
2015	05	13	21	38	7.0	27.35	85.95	10	4.8
2015	05	14	03	07	11.1	27.60	86.07	10	4.3
2015	05	14	09	35	23.7	27.49	85.97	10	4.1
2015	05	14	14	36	44.9	27.61	85.17	39	3.6
2015	05	15	01	42	44.0	27.66	84.71	10	4.7
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2015	05	16	16	23	45.7	27.30	86.11	10	3.9
2015	05	16	20	02	55.7	28.03	84.89	10	3.1
2015	05	16	23	15	27.5	27.53	86.01	10	4.3
2015	05	17	05	45	40.4	27.27	85.79	10	4.2
2015	05	17	09	10	7.8	30.27	69.44	10	4.5
2015	05	17	14	55	4.5	27.41	86.14	10	3.9
2015	05	17	19	59	59.5	29.32	69.04	10	4.0
2015	05	18	12	16	19.7	28.41	85.33	10	3.6
2015	05	18	12	18	42.9	36.53	71.07	150	4.1
2015	05	18	12	42	12.3	28.04	84.81	10	3.7
2015	05	18	13	05	33.5	8.37	93.15	10	3.8
2015	05	18	16	46	34.9	34.38	73.58	10	4.0
2015	05	18	22	49	51.5	27.56	85.93	10	4.2
2015	05	19	10	59	32.2	27.86	85.99	10	4.1
2015	05	20	09	02	39.0	27.51	85.17	10	4.1
2015	05	20	08	54	29.5	36.24	71.38	100	4.0
2015	05	21	08	26	45.2	27.83	86.26	10	3.8
2015	05	21	09	11	58.9	27.79	85.31	10	3.3
2015	05	21	12	43	35.4	22.91	96.07	10	3.4
2015	05	22	01	55	6.5	36.33	70.14	200	4.5
2015	05	22	10	59	36.0	28.13	85.11	10	4.3
2015	05	22	11	45	50.2	27.66	86.19	10	4.1
2015	05	22	13	04	7.8	27.80	85.87	10	4.0

2015 05 22 19 07 43.5	29.78	81.68	10	3.9
2015 05 22 20 11 36.7	24.69	93.29	16	3.8
2015 05 23 11 53 57.7	30.42	79.23	6	3.4
2015 05 24 01 12 11.0	26.37	93.47	39	3.3
2015 05 24 17 30 39.4	28.24	86.43	10	3.6
2015 05 24 21 38 42.7	27.88	84.61	10	4.1
2015 05 25 05 15 44.5	28.24	86.31	16	3.7
2015 05 25 10 46 0.2	28.44	87.34	10	4.2
2015 05 25 15 59 7.8	22.27	93.88	33	3.5
2015 05 26 14 15 33.9	27.73	85.44	10	3.6
2015 05 26 17 07 15.3	27.95	85.11	10	4.4
2015 05 26 17 24 13.1	24.37	94.03	65	4.4
2015 05 27 06 18 37.7	27.57	86.12	10	4.0
2015 05 27 07 30 45.5	27.82	85.46	10	4.2
2015 05 27 16 45 1.0	27.92	85.03	10	3.9
2015 05 28 01 29 3.2	37.35	72.20	150	4.1
2015 05 28 11 46 28.2	28.17	93.39	10	4.1
2015 05 28 15 19 21.7	25.76	90.99	15	3.6
2015 05 28 23 35 56.0	28.00	84.89	10	3.3
2015 05 29 03 57 53.2	26.16	90.03	18	4.0
2015 05 29 06 45 34.5	27.76	84.72	10	4.0
2015 05 29 10 00 1.7	27.76	84.74	10	4.6
2015 05 29 13 11 20.5	29.45	85.59	10	3.3
2015 05 30 00 04 46.2	34.87	91.13	10	4.0
2015 05 30 16 28 21.7	27.69	85.00	10	4.0
2015 05 30 16 44 12.1	36.72	70.65	182	4.7
2015 06 01 07 12 4.5	26.54	96.18	114	4.0
2015 06 01 14 41 1.2	36.39	70.10	80	5.0
2015 06 01 23 30 29.1	37.83	72.88	126	5.3
2015 06 02 06 34 14.3	28.65	77.79	17	3.6
2015 06 02 17 58 59.7	37.98	73.67	38	3.7
2015 06 02 20 33 8.3	30.00	81.83	10	4.3
2015 06 02 22 09 10.0	25.77	89.92	10	3.6
2015 06 03 07 52 37.5	27.66	85.74	10	3.8
2015 06 03 11 28 25.7	30.44	79.25	5	4.3
2015 06 04 06 52 54.0	36.85	70.10	260	4.7
2015 06 04 13 43 31.2	27.53	92.92	10	3.1
2015 06 07 05 17 46.9	27.69	85.54	10	4.2
2015 06 07 19 47 27.7	18.99	94.61	50	4.0
2015 06 08 03 28 8.6	36.64	70.88	220	4.8
2015 06 08 15 21 18.2	6.94	92.37	30	3.9
2015 06 11 04 17 46.9	27.68	85.72	10	4.0
2015 06 11 16 12 19.6	27.79	85.65	10	4.4
2015 06 11 19 37 8.1	28.28	84.82	10	3.7
2015 06 12 00 24 23.7	22.98	94.29	90	4.0
2015 06 12 04 34 8.8	27.62	86.04	10	4.1
2015 06 12 08 51 57.0	35.91	69.92	90	4.0
2015 06 12 18 29 28.7	14.03	93.67	35	5.3
2015 06 13 01 18 30.2	27.55	86.04	10	4.5
2015 06 14 06 09 57.5	36.40	71.28	150	4.3
2015 06 14 07 47 48.0	28.00	85.74	10	4.0
2015 06 14 07 47 46.5	28.06	85.80	10	4.1
2015 06 14 13 12 17.1	36.53	70.01	200	4.0
2015 06 15 14 21 14.6	37.21	71.72	33	4.0
2015 06 15 21 39 19.7	22.26	94.12	60	4.3
2015 06 17 00 13 21.7	27.50	85.03	10	3.8
2015 06 17 00 30 0.1	27.51	85.46	10	4.1
2015 06 17 02 15 15.8	28.24	85.93	10	4.3
2015 06 18 01 31 56.5	36.33	70.66	100	4.3
2015 06 18 11 28 20.2	28.37	70.50	10	4.0
2015 06 18 14 36 3.2	22.80	92.17	10	3.6
2015 06 19 07 12 45.2	36.55	70.32	150	4.3
2015 06 20 12 23 7.0	28.48	82.73	10	4.5
2015 06 20 18 46 50.5	37.83	72.03	200	4.3

2015 06 21	13 41	48.5	27.67	85.98	11	3.9
2015 06 22	07 34	34.5	27.65	86.17	10	3.7
2015 06 23	17 38	37.7	37.07	72.26	100	4.5
2015 06 23	20 33	26.2	30.45	77.92	10	4.0
2015 06 24	22 29	13.0	24.74	94.94	106	3.7
2015 06 25	15 22	21.6	28.47	85.35	10	3.3
2015 06 26	17 41	50.0	36.68	68.41	28	4.5
2015 06 27	06 04	29.7	29.84	80.21	10	3.5
2015 06 27	18 37	15.1	35.40	70.00	33	4.3
2015 06 27	18 44	30.6	34.80	69.39	175	4.2
2015 06 28	01 05	25.6	26.40	90.25	5	5.6
2015 06 28	12 53	14.8	32.20	69.35	10	4.4
2015 06 28	23 57	13.1	27.50	86.21	10	4.4
2015 06 29	17 27	5.9	26.54	94.98	10	3.7
2015 06 29	17 42	44.2	27.71	85.61	10	3.7
2015 06 29	21 46	25.6	27.40	85.72	10	4.5
2015 06 29	22 07	46.5	36.47	71.14	166	5.9
2015 06 30	13 15	54.9	26.06	90.78	15	3.8
2015 07 01	02 42	36.7	27.47	91.26	6	4.0
2015 07 02	01 56	12.8	27.85	85.63	10	4.2
2015 07 02	07 18	19.6	34.77	73.34	10	5.4
2015 07 02	15 09	5.9	25.84	89.86	15	3.0
2015 07 03	00 37	45.4	13.20	93.24	46	4.3
2015 07 03	01 07	47.9	37.50	78.07	33	5.9
2015 07 03	01 31	36.0	36.99	78.16	38	4.4
2015 07 03	01 44	46.2	37.31	78.33	10	4.9
2015 07 03	02 20	38.7	12.06	94.67	10	4.6
2015 07 03	02 37	27.1	37.62	78.01	10	3.9
2015 07 03	03 11	15.6	37.37	78.79	10	4.3
2015 07 03	03 16	39.0	11.95	94.89	10	5.6
2015 07 03	15 18	2.2	36.57	70.93	120	4.1
2015 07 03	17 01	28.0	23.78	94.01	39	3.3
2015 07 03	20 04	10.1	27.67	84.99	18	4.3
2015 07 04	18 41	33.0	13.25	93.17	33	3.6
2015 07 04	23 08	22.6	24.70	95.24	90	4.2
2015 07 05	15 12	12.8	37.43	78.37	10	3.7
2015 07 06	15 29	10.6	28.49	85.87	10	3.4
2015 07 07	09 31	43.9	29.47	81.63	7	3.8
2015 07 09	03 29	58.4	34.87	73.99	15	4.1
2015 07 10	01 53	14.3	27.41	94.06	10	4.0
2015 07 10	12 53	21.7	26.75	90.50	10	4.4
2015 07 10	21 13	3.0	27.61	86.14	10	4.0
2015 07 10	22 27	37.0	25.18	90.77	15	4.1
2015 07 11	05 19	34.7	36.76	70.54	150	4.0
2015 07 12	08 58	56.2	17.21	73.75	6	5.1
2015 07 12	16 45	49.7	37.28	71.50	150	4.3
2015 07 12	21 36	45.7	36.97	70.85	156	4.3
2015 07 13	11 03	2.0	26.63	96.57	139	4.3
2015 07 14	12 29	22.5	37.29	77.24	33	4.0
2015 07 14	14 35	47.5	35.82	70.66	77	5.2
2015 07 14	22 12	1.6	36.66	70.55	200	4.0
2015 07 15	21 35	48.2	36.74	70.06	200	4.3
2015 07 17	19 36	48.5	37.12	68.53	33	4.1
2015 07 17	19 51	6.5	37.86	68.49	15	3.9
2015 07 18	05 41	17.2	31.15	95.42	10	4.8
2015 07 18	23 48	9.3	30.45	79.17	6	4.2
2015 07 19	01 26	16.7	36.66	71.48	229	4.6
2015 07 20	15 28	48.7	30.47	94.40	52	4.7
2015 07 21	01 26	59.4	18.96	97.21	10	5.2
2015 07 21	08 21	41.5	24.40	93.69	53	3.7
2015 07 21	15 10	22.1	30.50	94.32	33	4.4
2015 07 22	16 29	55.2	27.64	85.08	21	3.3
2015 07 22	22 00	43.5	30.34	94.01	38	4.4
2015 07 23	06 04	13.5	15.81	73.90	10	3.1

2015 07 23	14 36	6.0	21.35	80.11	10	4.0
2015 07 24	20 59	49.4	33.96	72.25	58	5.5
2015 07 24	21 30	10.6	33.70	72.64	33	3.7
2015 07 25	16 38	43.4	35.57	69.34	77	4.4
2015 07 25	19 24	8.3	36.10	70.55	100	3.8
2015 07 26	10 04	8.5	36.80	71.34	100	4.8
2015 07 26	16 59	8.1	30.04	80.70	10	3.6
2015 07 26	18 09	13.6	36.41	70.88	100	3.9
2015 07 27	07 33	41.7	27.47	91.08	16	4.0
2015 07 28	09 40	47.7	30.62	94.81	33	4.4
2015 07 31	03 18	17.5	30.59	94.46	10	4.7
2015 08 01	12 14	28.6	28.57	87.58	39	4.2
2015 08 02	05 58	0.0	30.74	94.99	40	4.6
2015 08 03	00 55	20.2	30.74	94.57	10	4.0
2015 08 03	20 47	48.0	11.70	92.30	30	4.7
2015 08 04	02 10	28.2	37.33	71.64	120	4.3
2015 08 04	16 44	35.0	36.65	70.99	150	5.3
2015 08 04	22 18	25.1	34.67	70.27	50	4.1
2015 08 05	19 15	57.7	30.19	80.51	10	4.3
2015 08 05	21 04	13.0	36.85	82.14	10	5.0
2015 08 06	12 34	15.1	30.17	93.69	33	4.6
2015 08 06	21 43	41.0	30.16	79.37	10	3.1
2015 08 07	01 54	20.2	36.47	69.86	200	5.2
2015 08 07	13 52	33.2	31.19	95.59	89	4.6
2015 08 07	22 00	8.6	36.23	70.05	60	4.3
2015 08 09	22 30	28.7	27.98	84.64	10	3.9
2015 08 10	05 41	10.8	36.46	69.66	200	4.4
2015 08 10	10 05	30.0	36.10	71.38	239	6.3
2015 08 10	17 05	20.2	17.81	95.71	10	5.1
2015 08 11	19 12	58.5	31.32	94.76	10	4.5
2015 08 12	02 44	50.9	24.63	94.81	15	4.0
2015 08 13	02 00	11.3	31.88	95.27	40	4.1
2015 08 13	14 56	7.8	30.56	96.35	30	3.7
2015 08 13	15 51	49.9	30.00	96.26	334	3.5
2015 08 14	13 02	33.0	26.73	86.12	10	3.6
2015 08 14	13 48	26.2	34.82	72.61	15	4.4
2015 08 15	05 42	21.7	27.33	88.01	10	4.0
2015 08 15	11 45	43.2	23.12	97.11	30	3.7
2015 08 15	18 11	38.7	27.57	86.03	10	4.5
2015 08 16	08 24	6.5	17.24	95.19	10	4.0
2015 08 16	10 53	16.1	36.06	70.50	70	3.7
2015 08 16	21 35	27.2	13.74	92.53	10	5.0
2015 08 17	02 24	5.5	37.43	68.75	19	4.2
2015 08 17	22 23	57.7	27.70	85.97	10	4.1
2015 08 18	00 23	42.2	35.35	71.18	70	3.8
2015 08 19	19 18	14.8	31.50	76.99	10	3.7
2015 08 19	20 50	4.5	36.94	70.54	30	4.0
2015 08 20	19 21	14.6	25.71	89.50	18	4.1
2015 08 21	11 12	30.2	35.40	70.60	98	4.4
2015 08 22	01 48	56.2	36.93	71.67	175	4.5
2015 08 23	09 02	4.9	27.73	86.07	10	4.7
2015 08 24	06 53	37.7	28.61	86.92	10	4.0
2015 08 25	10 17	4.8	17.17	73.78	5	3.9
2015 08 26	01 56	51.9	18.70	84.39	10	4.4
2015 08 26	13 18	26.2	36.76	71.21	150	4.0
2015 08 26	14 48	7.0	37.21	71.57	120	4.2
2015 08 26	18 05	8.1	29.65	95.54	10	4.4
2015 08 27	12 51	12.6	36.69	71.07	230	4.2
2015 08 27	13 01	48.4	35.88	69.47	70	4.0
2015 08 28	19 22	0.8	25.75	89.60	10	4.1
2015 08 29	02 05	15.8	13.83	92.84	18	4.0
2015 08 29	16 31	12.6	24.80	95.31	117	4.3
2015 08 30	13 17	35.4	27.57	85.59	10	4.2
2015 08 31	00 27	48.4	35.73	78.39	80	4.0

2015	09	01	09	10	52.5	28.24	87.16	15	3.9
2015	09	01	19	17	5.3	36.53	71.17	214	4.9
2015	09	01	23	06	39.9	27.51	86.15	10	4.0
2015	09	03	07	59	24.7	30.00	79.65	6	3.5
2015	09	03	17	57	52.7	27.61	75.68	10	4.3
2015	09	04	11	49	49.9	36.70	70.56	80	5.0
2015	09	04	20	45	53.7	37.57	71.36	70	4.1
2015	09	05	04	15	20.7	36.28	69.82	200	4.1
2015	09	05	05	39	1.0	26.23	92.80	17	4.0
2015	09	06	03	21	40.5	35.83	78.21	194	4.1
2015	09	06	12	23	15.1	26.19	92.79	38	3.5
2015	09	07	10	13	35.0	23.22	93.55	86	3.2
2015	09	07	10	21	29.7	36.76	71.04	150	4.5
2015	09	07	12	55	45.0	28.21	87.74	85	3.6
2015	09	07	17	50	57.9	36.74	70.75	218	4.4
2015	09	07	23	38	6.0	36.55	71.36	70	4.0
2015	09	08	21	21	39.5	36.84	71.87	227	4.2
2015	09	09	21	03	21.2	36.01	70.37	82	5.5
2015	09	10	15	25	46.7	37.43	71.40	124	4.1
2015	09	11	12	54	5.9	29.80	80.55	5	3.1
2015	09	13	09	45	22.0	28.58	76.26	10	3.3
2015	09	15	22	38	30.7	35.67	78.83	10	4.6
2015	09	16	11	10	13.3	35.31	78.97	33	4.8
2015	09	16	14	52	16.2	28.08	86.28	10	3.5
2015	09	17	14	50	8.0	37.92	78.81	33	4.2
2015	09	17	18	34	17.7	24.64	94.57	80	4.7
2015	09	18	20	25	20.1	23.90	93.95	73	3.3
2015	09	18	21	16	44.2	23.25	93.72	102	3.7
2015	09	19	01	01	15.1	7.60	94.44	33	4.7
2015	09	20	14	30	18.0	37.05	71.58	200	3.9
2015	09	22	06	32	47.5	27.65	85.03	10	4.1
2015	09	22	13	19	24.2	23.09	94.36	115	4.6
2015	09	23	03	33	18.7	37.01	70.98	100	4.7
2015	09	23	04	51	33.5	13.20	92.50	39	4.1
2015	09	24	06	12	29.7	36.57	71.16	250	4.0
2015	09	24	14	50	48.9	37.38	71.81	150	4.0
2015	09	24	16	50	36.0	38.00	78.96	33	4.5
2015	09	24	18	25	39.0	37.29	71.76	190	3.7
2015	09	25	05	06	13.1	36.48	70.75	90	4.6
2015	09	25	16	57	40.5	26.52	91.72	33	4.1
2015	09	25	20	28	38.7	23.09	94.46	33	4.0
2015	09	26	16	54	13.3	24.42	94.67	100	4.0
2015	09	27	01	13	29.6	36.25	70.98	120	3.8
2015	09	27	02	24	51.7	28.48	69.32	10	3.8
2015	09	27	14	31	25.2	37.27	72.36	271	4.5
2015	09	27	18	02	17.7	7.26	92.31	49	3.2
2015	09	27	22	54	52.9	7.33	92.38	15	3.3
2015	09	29	01	59	39.0	21.07	94.11	90	3.7
2015	09	29	09	27	14.6	29.82	80.56	10	4.6
2015	09	29	10	54	43.7	27.81	85.82	10	4.1
2015	09	29	16	33	26.6	30.64	69.58	10	4.3
2015	09	29	19	05	15.6	10.02	93.97	99	3.4
2015	09	30	11	27	22.0	36.45	71.53	373	4.7
2015	10	02	11	29	20.7	22.27	93.36	40	4.6
2015	10	02	16	20	14.1	36.72	71.08	220	4.6
2015	10	03	23	17	15.0	36.23	71.64	100	3.8
2015	10	04	21	39	24.6	35.98	70.73	261	4.6
2015	10	05	07	33	23.7	27.56	86.09	10	4.2
2015	10	05	07	36	26.7	27.31	85.93	10	3.9
2015	10	05	16	18	5.9	31.55	86.52	10	3.7
2015	10	06	04	17	34.5	28.87	76.68	13	3.0
2015	10	06	12	02	39.7	27.92	86.00	10	3.5
2015	10	06	23	30	29.1	27.60	86.05	10	3.7
2015	10	07	04	58	19.5	28.79	85.11	10	3.3

2015	10	07	08	01	56.7	36.80	70.82	320	4.8
2015	10	08	01	04	19.0	31.49	77.05	10	3.6
2015	10	09	01	01	27.2	28.57	86.32	10	3.7
2015	10	09	01	07	30.7	37.85	79.21	10	3.9
2015	10	09	06	09	32.5	36.38	70.02	200	4.8
2015	10	09	20	10	13.8	28.62	77.18	5	3.3
2015	10	09	20	30	1.0	28.57	86.27	10	4.6
2015	10	10	01	48	45.4	27.23	88.65	13	3.9
2015	10	10	23	54	31.2	24.26	96.29	40	4.4
2015	10	11	08	34	53.4	24.86	94.16	20	4.2
2015	10	12	11	32	36.2	35.74	69.75	110	4.0
2015	10	12	15	39	9.0	28.95	86.28	10	3.8
2015	10	13	15	40	5.0	36.70	70.40	165	4.9
2015	10	16	11	43	42.2	35.81	69.90	120	4.3
2015	10	17	06	29	40.2	24.75	94.40	38	4.3
2015	10	18	06	44	50.7	36.42	70.57	150	4.3
2015	10	19	00	04	40.7	29.67	80.42	5	3.3
2015	10	20	03	46	2.2	36.15	70.51	214	3.9
2015	10	20	17	54	12.6	37.49	71.94	108	4.3
2015	10	21	23	37	16.7	36.01	69.23	100	3.9
2015	10	22	07	10	46.0	31.60	95.44	585	4.0
2015	10	23	00	27	37.4	29.58	70.06	10	5.5
2015	10	23	00	36	54.7	29.27	70.44	10	4.5
2015	10	23	01	06	29.5	29.49	70.36	30	4.0
2015	10	23	01	24	25.2	29.55	70.05	10	3.8
2015	10	23	01	31	22.2	29.53	70.07	10	3.7
2015	10	23	01	43	59.0	29.66	69.75	10	3.7
2015	10	23	04	42	56.2	29.60	70.23	5	4.0
2015	10	23	04	50	40.2	29.62	70.24	5	3.5
2015	10	23	18	19	5.5	36.25	78.15	100	4.6
2015	10	24	04	35	3.0	30.13	80.33	20	3.8
2015	10	26	09	09	23.7	36.84	70.29	145	7.7
2015	10	26	09	49	29.2	36.58	70.11	10	5.2
2015	10	26	10	30	31.7	36.22	70.57	200	4.2
2015	10	26	10	37	2.5	36.36	70.04	200	4.2
2015	10	26	11	14	43.5	35.40	69.54	200	4.0
2015	10	26	12	50	51.0	36.56	69.86	200	4.5
2015	10	26	13	18	46.4	36.44	70.00	200	4.4
2015	10	26	13	41	49.2	35.99	69.90	100	3.8
2015	10	26	15	39	5.0	36.64	70.01	100	3.9
2015	10	26	15	47	21.6	36.42	69.61	100	4.0
2015	10	26	23	35	15.1	36.53	69.96	200	4.0
2015	10	27	00	01	32.5	36.53	69.98	200	3.8
2015	10	27	00	17	11.1	35.96	70.02	200	3.7
2015	10	27	00	27	24.1	36.29	70.13	150	3.8
2015	10	27	00	44	32.0	36.10	69.84	150	4.0
2015	10	27	01	17	47.7	36.11	70.00	200	4.3
2015	10	27	13	14	3.2	36.39	70.07	200	4.9
2015	10	27	13	50	48.0	24.56	94.94	20	4.4
2015	10	27	15	30	37.2	36.69	69.91	200	3.8
2015	10	27	17	55	43.9	36.42	70.05	200	4.4
2015	10	28	00	04	2.0	36.72	70.61	300	4.1
2015	10	28	10	04	15.1	36.07	70.12	200	4.0
2015	10	28	10	12	48.9	36.21	70.64	200	4.3
2015	10	28	14	16	29.0	36.48	70.14	200	4.5
2015	10	28	15	29	35.9	36.59	70.00	200	4.2
2015	10	28	22	50	36.2	36.11	69.92	200	4.1
2015	10	28	23	26	22.2	36.61	70.31	200	4.2
2015	10	28	23	54	46.2	24.17	93.12	10	4.1
2015	10	29	17	11	26.6	35.47	70.77	17	3.9
2015	10	29	22	15	52.0	24.58	92.39	10	5.1
2015	10	30	04	39	54.0	36.58	68.95	10	4.0
2015	10	30	23	33	41.4	36.70	70.48	200	4.0
2015	10	31	05	16	48.2	25.76	92.18	10	3.2

2015	10	31	20	52	10.5	36.74	70.31	150	4.3
2015	11	01	12	50	3.9	36.56	70.58	316	4.9
2015	11	02	13	40	30.5	32.09	69.12	33	5.1
2015	11	02	17	02	56.5	32.20	68.79	33	4.6
2015	11	02	17	34	57.4	28.83	76.69	10	3.2
2015	11	02	20	39	45.5	20.43	73.00	18	3.0
2015	11	05	00	12	15.8	36.83	70.24	199	4.3
2015	11	05	16	27	45.9	31.70	74.32	24	3.5
2015	11	06	14	11	56.5	36.56	70.36	200	3.8
2015	11	07	09	29	30.1	23.64	94.42	132	3.9
2015	11	08	10	41	54.2	6.35	95.02	7	5.2
2015	11	08	10	53	27.2	6.61	95.20	20	4.8
2015	11	08	11	54	41.2	7.12	94.52	10	4.7
2015	11	08	13	23	59.0	6.95	94.36	10	5.0
2015	11	08	14	34	1.0	6.34	94.90	10	5.1
2015	11	08	15	37	31.1	36.32	70.10	200	4.0
2015	11	08	16	47	2.2	6.57	94.81	35	5.8
2015	11	08	16	59	22.2	6.93	94.61	10	5.0
2015	11	08	17	46	49.7	6.43	94.25	10	4.7
2015	11	08	18	48	50.5	6.94	94.41	10	4.8
2015	11	08	19	14	42.5	6.34	94.76	10	5.0
2015	11	09	06	12	11.1	6.23	94.84	10	5.0
2015	11	09	08	12	48.7	6.66	94.67	10	5.5
2015	11	09	13	58	41.0	36.77	71.09	180	4.6
2015	11	13	01	56	22.0	24.61	94.53	101	3.6
2015	11	13	07	44	23.6	29.82	80.66	10	3.2
2015	11	14	16	53	31.2	6.73	94.51	10	5.1
2015	11	15	09	19	7.0	13.54	93.49	29	3.5
2015	11	15	15	47	45.2	36.47	70.13	265	4.9
2015	11	15	23	24	39.7	24.72	94.73	92	4.3
2015	11	16	05	10	8.8	36.34	70.36	130	3.6
2015	11	17	09	17	5.3	36.51	71.70	362	4.5
2015	11	17	21	04	46.5	37.15	71.74	100	4.6
2015	11	17	22	15	28.2	31.98	95.15	10	4.1
2015	11	18	00	59	5.0	36.61	70.18	200	4.6
2015	11	18	08	25	38.2	29.73	80.72	6	3.5
2015	11	19	04	15	53.0	27.68	85.60	10	4.9
2015	11	19	13	37	56.2	32.68	76.36	10	3.7
2015	11	19	23	28	15.6	37.32	71.53	150	4.5
2015	11	22	18	16	8.1	36.11	71.47	119	5.8
2015	11	23	04	27	15.3	36.98	71.27	200	4.1
2015	11	23	15	39	43.5	36.59	71.68	100	4.2
2015	11	24	12	24	15.3	27.92	84.78	10	4.1
2015	11	25	05	02	5.5	29.61	90.02	142	4.6
2015	11	25	16	15	10.0	26.42	92.97	36	4.7
2015	11	26	12	57	4.5	36.42	71.59	76	4.3
2015	11	27	08	34	0.8	22.39	94.38	10	5.3
2015	11	27	11	40	34.7	34.97	73.89	10	5.0
2015	11	27	18	58	55.0	10.69	91.49	11	4.5
2015	11	28	18	32	53.2	12.55	93.84	34	3.6
2015	11	29	02	47	38.7	30.62	79.68	14	4.0
2015	11	30	16	27	20.7	36.60	71.46	125	3.8
2015	12	01	01	10	28.2	34.94	69.72	80	3.8
2015	12	02	10	02	9.3	36.26	68.64	100	4.4
2015	12	05	23	13	34.0	18.62	71.49	10	4.3
2015	12	06	03	57	32.2	36.28	69.82	296	4.5
2015	12	06	12	35	17.7	28.80	76.87	5	3.4
2015	12	06	16	06	37.0	37.46	72.17	50	4.2
2015	12	07	09	13	31.0	36.17	70.27	120	4.8
2015	12	07	14	27	26.1	37.97	72.75	10	4.3
2015	12	08	09	28	52.5	37.87	71.14	10	4.5
2015	12	10	08	43	22.5	36.58	70.08	200	4.3
2015	12	11	00	07	38.7	35.70	70.07	200	4.5
2015	12	11	05	37	44.7	29.00	77.01	10	3.1

2015	12	11	22	09	35.2	29.91	95.69	10	4.0
2015	12	13	11	17	26.2	24.60	95.39	109	4.2
2015	12	13	18	24	27.1	26.37	93.33	30	3.6
2015	12	14	13	45	38.7	36.18	70.84	200	4.2
2015	12	15	00	33	46.0	27.28	97.04	17	3.4
2015	12	15	02	35	15.6	24.17	86.56	10	4.2
2015	12	15	09	34	54.0	36.75	71.28	170	4.4
2015	12	16	04	48	17.5	12.71	93.63	70	4.2
2015	12	16	13	24	46.7	34.41	82.59	10	4.3
2015	12	17	03	04	40.2	9.07	93.58	50	4.0
2015	12	18	22	17	0.1	29.17	81.42	13	5.1
2015	12	21	23	52	31.0	25.01	90.43	10	3.8
2015	12	23	09	22	5.8	26.28	93.07	35	4.2
2015	12	23	13	27	10.1	25.68	94.92	30	4.2
2015	12	24	07	47	5.3	37.68	71.79	10	4.0
2015	12	24	20	01	24.1	26.25	90.91	20	3.0
2015	12	25	19	14	45.0	36.44	71.00	184	6.8
2015	12	26	04	48	43.4	29.25	81.52	10	3.7
2015	12	27	11	34	24.7	7.65	91.46	60	4.5
2015	12	28	03	31	13.1	36.35	69.76	200	4.2
2015	12	28	04	53	50.0	35.67	70.64	50	3.9
2015	12	29	00	06	56.0	35.54	72.83	50	4.6
2015	12	29	00	06	46.7	27.20	92.91	10	3.7
2015	12	29	07	14	57.7	36.51	70.62	200	4.9
2015	12	29	15	50	20.2	30.23	79.59	10	3.3
2015	12	29	18	26	12.3	17.38	73.64	5	4.1
2015	12	30	17	24	57.0	24.94	91.57	10	3.7
2015	12	31	03	23	37.5	8.19	94.04	40	4.2

## 2) YEAR 2016

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Day	Origin-TIME					Latitude	Longitude	Depth	Magnitude
Year	Mon	day	hr	min	sec	°N	°E	(Km)	(Richter scale)
(UTC)									

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2016	01	01	06	54	40.2	29.84	80.37	10	3.3
2016	01	01	11	16	43.7	36.46	70.12	166	4.8
2016	01	02	08	37	16.7	36.66	70.62	149	5.5
2016	01	03	23	05	22.7	25.02	93.38	72	6.6
2016	01	04	02	27	57.7	12.35	93.63	59	4.1
2016	01	04	03	57	48.5	25.33	93.18	3	3.2
2016	01	04	09	00	0.8	24.80	93.48	77	3.6
2016	01	06	10	25	13.6	25.00	93.37	68	4.1
2016	01	07	13	42	51.7	27.90	92.91	7	3.8
2016	01	07	15	32	42.9	36.49	70.55	200	4.1
2016	01	08	09	07	5.0	36.64	70.79	175	5.2
2016	01	09	05	50	29.7	36.71	70.93	170	4.0
2016	01	09	17	43	56.4	27.66	85.61	10	3.7
2016	01	09	23	45	0.6	35.98	69.04	100	3.8
2016	01	11	12	42	56.7	37.08	71.10	80	3.7
2016	01	12	20	05	0.5	36.21	70.90	223	5.9
2016	01	13	14	19	24.7	36.58	71.21	94	4.3
2016	01	13	20	34	57.2	32.78	91.38	10	4.9
2016	01	14	00	03	56.7	29.64	88.18	10	3.5
2016	01	14	18	45	52.5	36.34	70.06	235	3.8
2016	01	14	22	45	58.9	36.17	71.02	169	3.5
2016	01	14	23	21	44.9	36.11	70.29	33	3.5
2016	01	15	00	25	23.1	24.88	92.39	24	3.3
2016	01	15	19	24	50.2	11.52	92.79	59	4.5
2016	01	16	17	11	47.7	36.49	69.94	171	4.8
2016	01	16	20	43	39.4	36.60	69.22	33	4.6
2016	01	17	19	46	43.2	37.01	70.94	92	5.1
2016	01	18	00	50	31.7	37.46	72.13	243	4.4
2016	01	18	00	52	51.0	26.37	93.08	10	3.2



2016 01 18 06 04 55.2	24.26	94.56	115	4.4
2016 01 21 19 22 44.4	27.97	85.01	10	4.4
2016 01 22 12 56 27.5	35.94	70.08	128	4.6
2016 01 23 04 54 6.5	36.71	71.21	82	5.1
2016 01 24 06 05 51.9	36.50	70.21	166	4.8
2016 01 24 17 09 26.7	26.93	92.24	10	3.3
2016 01 26 02 24 23.2	36.31	70.86	194	3.9
2016 01 26 08 45 9.0	36.15	70.13	252	4.2
2016 01 26 09 16 54.7	36.91	71.25	279	3.6
2016 01 26 14 59 50.7	36.95	70.53	150	4.1
2016 01 26 16 57 35.0	29.70	88.23	34	3.5
2016 01 26 23 19 0.8	37.10	69.48	248	5.7
2016 01 27 22 09 56.2	13.77	93.78	89	4.2
2016 01 28 09 36 3.7	29.73	88.14	10	3.6
2016 01 28 11 52 54.2	36.76	71.39	226	4.2
2016 01 28 22 47 10.1	27.12	75.40	10	3.7
2016 01 30 00 29 22.6	36.44	70.28	269	3.8
2016 01 30 09 39 23.2	28.72	76.49	10	3.1
2016 01 31 04 18 27.5	29.64	84.31	10	3.6
2016 01 31 04 39 51.7	29.59	84.23	10	3.4
2016 02 01 19 48 36.5	23.89	93.81	20	3.7
2016 02 01 23 49 31.6	26.51	93.29	33	3.6
2016 02 04 07 10 30.5	32.69	75.88	5	4.3
2016 02 04 15 30 46.4	13.96	93.12	10	4.6
2016 02 05 16 20 13.1	27.76	85.37	20	4.7
2016 02 08 00 33 5.3	36.80	70.78	100	4.7
2016 02 08 01 15 32.2	36.34	70.87	150	4.8
2016 02 08 11 05 56.5	25.04	94.86	94	4.0
2016 02 09 02 29 1.2	31.52	86.58	30	4.3
2016 02 09 15 13 47.7	32.87	76.21	10	4.1
2016 02 10 16 27 43.4	27.62	85.64	20	3.7
2016 02 10 19 15 20.7	36.08	70.78	200	4.4
2016 02 10 21 33 8.6	36.34	71.05	100	4.1
2016 02 10 22 45 31.5	25.68	91.92	5	3.1
2016 02 13 19 40 16.6	36.72	71.32	150	5.0
2016 02 13 20 50 23.0	36.73	71.07	200	3.8
2016 02 13 21 37 53.5	27.22	89.34	20	3.7
2016 02 14 19 57 15.5	30.05	70.12	20	4.0
2016 02 15 16 35 28.0	30.32	79.88	10	3.6
2016 02 16 23 06 57.0	26.24	93.43	12	4.2
2016 02 17 17 34 12.1	6.36	94.99	10	4.9
2016 02 18 06 05 58.7	36.94	70.20	200	4.6
2016 02 20 00 57 53.0	31.72	69.78	10	4.1
2016 02 20 12 56 37.5	37.93	73.72	200	4.8
2016 02 20 18 43 42.5	36.57	70.20	200	4.4
2016 02 21 03 39 37.4	7.09	92.66	50	4.7
2016 02 21 07 50 56.4	30.92	78.28	5	3.3
2016 02 21 09 12 5.5	36.34	70.61	180	6.0
2016 02 21 16 32 7.3	36.20	78.29	50	4.6
2016 02 21 18 09 56.5	28.29	84.22	30	4.7
2016 02 22 18 21 7.0	8.32	91.78	10	5.0
2016 02 23 00 33 30.7	32.53	95.31	10	4.6
2016 02 24 02 06 52.9	24.84	72.19	10	3.3
2016 02 24 07 06 52.5	36.60	70.16	200	4.5
2016 02 24 08 29 28.7	35.99	71.20	100	4.0
2016 02 24 09 22 18.2	27.51	85.57	10	4.5
2016 02 27 00 31 0.6	13.17	94.05	100	4.9
2016 02 28 23 11 8.6	11.10	94.10	50	4.4
2016 03 01 07 33 36.7	36.08	68.13	33	4.4
2016 03 02 04 03 50.7	26.73	95.31	11	3.9
2016 03 02 06 35 9.3	29.70	69.62	10	4.6
2016 03 03 14 52 47.5	33.62	81.71	10	3.9
2016 03 04 22 55 43.5	35.60	70.02	90	3.8
2016 03 06 00 50 20.2	24.47	92.84	31	3.7

2016 03 06 00 49 2.4	30.98	68.93	10	3.3
2016 03 06 02 46 1.6	36.72	71.76	100	4.2
2016 03 06 08 51 16.2	24.47	92.93	25	3.6
2016 03 07 03 13 59.9	20.90	94.89	104	4.5
2016 03 07 08 05 16.6	29.87	82.15	10	3.7
2016 03 07 12 22 59.7	22.82	93.82	13	4.4
2016 03 08 09 55 10.3	9.38	93.03	15	4.5
2016 03 08 18 35 4.4	37.31	71.80	83	4.2
2016 03 09 01 22 8.1	36.73	69.96	150	4.1
2016 03 10 09 46 59.0	25.63	91.88	9	3.1
2016 03 10 09 50 32.5	25.64	91.90	5	3.0
2016 03 10 11 55 51.5	35.10	72.88	38	3.3
2016 03 10 15 02 10.5	22.80	94.11	33	3.6
2016 03 11 14 44 30.2	36.35	84.25	10	4.3
2016 03 12 02 01 24.7	36.34	70.06	256	3.7
2016 03 12 09 39 33.7	10.72	91.84	33	3.5
2016 03 12 13 51 58.0	36.86	69.95	225	4.6
2016 03 12 16 15 13.0	26.85	89.13	10	4.0
2016 03 13 05 15 35.7	27.74	84.84	10	3.9
2016 03 13 10 30 9.6	26.27	92.40	34	4.0
2016 03 13 15 04 36.0	10.54	94.16	115	3.7
2016 03 14 21 27 34.2	27.79	85.63	10	3.8
2016 03 15 04 28 28.0	30.44	97.79	33	4.1
2016 03 17 16 46 55.4	34.78	78.46	33	4.1
2016 03 17 23 46 38.9	36.53	71.41	307	3.6
2016 03 18 03 37 38.4	25.81	73.21	7	3.6
2016 03 19 00 11 24.6	36.79	70.78	156	3.8
2016 03 20 00 18 58.5	36.38	70.44	225	4.3
2016 03 20 16 54 9.6	30.58	93.31	10	4.8
2016 03 20 18 22 49.4	36.46	71.71	383	4.3
2016 03 21 02 19 40.7	25.25	92.49	22	3.1
2016 03 22 11 48 46.2	26.30	96.39	7	4.0
2016 03 22 20 14 52.4	36.41	71.18	182	3.9
2016 03 23 10 49 55.7	24.54	96.46	13	4.0
2016 03 23 21 23 36.0	36.86	71.13	100	4.0
2016 03 24 06 17 12.8	24.91	93.95	33	3.2
2016 03 24 09 10 53.0	35.45	71.56	33	3.9
2016 03 24 17 26 11.1	27.83	88.10	68	3.6
2016 03 25 19 03 56.0	36.44	70.67	166	4.1
2016 03 25 20 27 33.5	36.43	70.61	179	3.6
2016 03 26 18 39 27.7	36.73	70.27	241	4.0
2016 03 27 08 11 36.0	36.90	70.51	158	4.6
2016 03 28 15 42 48.2	24.68	93.04	9	3.4
2016 03 28 18 40 7.5	26.04	90.75	15	4.0
2016 03 30 02 04 10.6	32.53	76.11	10	3.4
2016 03 30 12 26 43.2	27.85	85.65	8	3.9
2016 04 01 08 12 37.4	36.38	70.27	200	4.2
2016 04 03 10 58 33.5	23.86	94.15	40	4.1
2016 04 03 20 31 34.4	24.18	94.54	120	3.8
2016 04 04 04 31 27.6	27.62	86.06	10	4.0
2016 04 04 11 12 53.0	36.75	70.39	100	3.9
2016 04 05 07 42 24.7	25.83	90.53	10	4.9
2016 04 07 15 15 54.4	36.60	71.12	100	4.4
2016 04 07 20 03 2.9	26.94	75.25	10	3.4
2016 04 07 21 24 41.7	34.37	69.23	35	4.3
2016 04 08 00 24 7.3	36.33	70.59	130	3.8
2016 04 08 02 19 48.2	36.38	70.60	100	5.0
2016 04 08 09 59 0.4	36.37	69.85	120	3.6
2016 04 08 14 30 41.2	36.93	70.86	100	5.2
2016 04 09 13 20 15.3	27.54	85.27	10	4.0
2016 04 10 10 28 59.5	36.28	71.17	203	6.8
2016 04 10 22 14 11.0	36.60	69.95	200	4.6
2016 04 11 07 34 11.8	36.23	70.87	220	4.0
2016 04 11 10 36 11.6	29.95	80.27	10	3.7

2016 04 11 11 28	51.2	36.05	70.85	110	3.8
2016 04 12 07 10	6.8	36.25	70.64	110	4.0
2016 04 12 11 55	49.2	26.06	90.86	10	3.9
2016 04 12 14 41	52.5	27.54	86.12	10	4.0
2016 04 13 01 23	21.0	36.66	71.02	150	3.9
2016 04 13 03 56	54.5	24.84	94.21	60	4.5
2016 04 13 09 50	40.2	37.41	71.99	200	4.3
2016 04 13 13 55	19.5	23.10	94.66	130	7.0
2016 04 14 00 39	50.5	23.11	94.39	10	3.3
2016 04 14 05 41	53.4	23.78	94.09	33	4.7
2016 04 14 16 23	37.2	23.05	93.29	5	3.5
2016 04 14 23 24	27.2	24.94	92.46	10	3.2
2016 04 15 08 51	52.5	35.68	69.90	100	3.9
2016 04 15 12 51	19.6	36.77	71.46	100	4.3
2016 04 16 02 10	41.5	36.24	70.55	90	4.9
2016 04 16 04 33	7.4	28.29	87.25	10	3.8
2016 04 17 09 52	44.0	36.50	71.37	200	4.3
2016 04 17 15 06	1.6	25.58	91.02	5	3.5
2016 04 18 15 29	53.0	12.98	92.32	10	4.3
2016 04 19 01 14	47.7	24.86	92.76	10	3.7
2016 04 19 17 22	18.2	28.49	87.95	30	4.4
2016 04 19 20 33	3.5	10.58	93.40	10	5.1
2016 04 20 03 28	18.7	36.56	69.75	220	5.1
2016 04 20 11 02	45.5	36.31	70.77	100	4.4
2016 04 22 02 43	9.8	9.93	93.23	30	4.0
2016 04 22 07 50	34.9	24.67	96.93	50	4.1
2016 04 23 09 32	55.0	32.20	95.22	10	4.3
2016 04 23 10 40	55.7	32.53	94.93	10	4.5
2016 04 23 20 31	5.0	27.99	85.01	150	3.7
2016 04 24 21 43	4.5	37.25	71.76	120	5.2
2016 04 24 21 55	41.5	10.57	91.43	10	4.8
2016 04 26 09 33	37.0	28.05	85.36	10	4.0
2016 04 27 00 26	46.0	35.37	81.58	33	3.8
2016 04 27 10 54	31.7	37.38	72.16	150	4.5
2016 04 28 17 32	36.9	35.99	70.12	100	3.6
2016 05 01 06 16	5.0	36.61	70.46	100	4.4
2016 05 02 15 49	4.0	22.23	94.52	100	4.2
2016 05 03 02 54	31.7	37.25	72.48	103	3.9
2016 05 03 16 31	50.4	29.95	88.32	10	3.0
2016 05 05 04 52	43.5	36.88	71.61	313	4.6
2016 05 05 18 00	32.0	30.07	79.93	12	4.0
2016 05 05 19 22	39.7	30.02	79.92	10	3.6
2016 05 06 03 06	44.7	23.74	94.28	4	3.1
2016 05 06 08 36	8.6	28.70	92.18	10	3.5
2016 05 06 15 14	5.4	26.45	92.98	38	3.2
2016 05 07 09 43	40.0	25.44	91.71	24	4.1
2016 05 08 20 37	4.0	36.72	70.96	261	4.2
2016 05 09 05 17	53.7	28.38	85.88	10	3.8
2016 05 09 06 12	2.7	26.24	92.82	36	3.4
2016 05 09 07 46	30.2	23.30	70.38	10	3.3
2016 05 09 16 00	24.7	11.32	91.47	24	4.5
2016 05 09 16 03	49.0	11.40	91.49	10	5.2
2016 05 10 20 49	36.2	30.42	69.86	10	4.1
2016 05 11 01 15	48.5	32.06	94.78	10	5.4
2016 05 11 08 52	46.5	27.84	84.59	10	4.2
2016 05 11 09 54	58.7	36.49	70.75	300	4.3
2016 05 12 03 02	33.2	36.13	71.05	224	4.7
2016 05 12 07 54	18.7	24.38	94.19	84	4.6
2016 05 12 11 56	8.8	24.48	94.37	20	3.9
2016 05 12 16 01	55.5	36.41	68.39	33	4.1
2016 05 12 16 59	52.2	24.36	72.58	39	3.1
2016 05 13 23 20	59.9	27.92	85.55	10	3.4
2016 05 14 22 45	53.5	27.89	85.53	10	4.0
2016 05 15 06 56	6.0	23.50	70.35	10	3.3

2016 05 15 13 51 34.2	36.70	71.31	271	4.1
2016 05 15 18 41 21.6	36.68	70.42	146	4.9
2016 05 16 18 03 46.2	26.13	90.28	33	4.0
2016 05 17 10 12 32.4	26.44	88.96	10	3.1
2016 05 17 11 41 47.2	36.36	71.39	272	3.8
2016 05 18 08 27 4.5	25.56	91.58	16	3.3
2016 05 18 13 23 23.6	17.47	73.81	10	3.7
2016 05 18 16 57 5.5	32.63	95.22	10	4.3
2016 05 18 17 29 38.2	17.42	73.68	10	3.3
2016 05 18 19 17 43.0	17.39	73.82	10	3.6
2016 05 19 18 07 24.6	17.36	73.82	9	3.5
2016 05 19 23 10 20.5	22.84	94.00	33	4.5
2016 05 20 01 40 12.5	34.96	69.06	33	4.1
2016 05 20 13 36 17.7	24.91	92.11	15	3.5
2016 05 21 07 58 58.9	28.83	87.52	10	4.1
2016 05 21 11 30 24.5	17.48	73.92	12	3.6
2016 05 21 21 57 38.2	23.92	94.55	80	3.8
2016 05 22 01 32 33.0	28.48	87.54	10	4.1
2016 05 22 01 46 16.1	28.15	87.87	10	3.3
2016 05 22 01 48 51.2	28.28	87.36	10	5.0
2016 05 22 02 05 56.0	28.46	87.46	4	4.8
2016 05 22 02 55 46.0	28.49	87.47	10	3.3
2016 05 22 04 49 47.5	28.29	87.56	10	4.0
2016 05 23 18 09 6.4	28.44	87.70	10	3.8
2016 05 23 19 09 55.7	27.68	85.11	10	4.0
2016 05 24 10 17 54.4	33.16	75.61	10	4.3
2016 05 26 09 29 23.7	28.69	87.69	10	3.5
2016 05 27 05 03 6.5	26.50	96.82	47	4.2
2016 05 27 15 30 21.1	24.85	94.57	83	3.6
2016 05 27 19 08 13.3	36.12	78.06	150	4.0
2016 05 28 03 12 42.0	14.95	79.32	38	4.0
2016 05 28 07 12 31.7	14.94	79.40	11	4.1
2016 05 28 09 39 12.1	27.90	85.51	10	4.2
2016 05 28 11 42 15.1	36.70	70.90	261	4.0
2016 05 29 00 19 35.7	23.31	70.26	10	3.5
2016 05 29 06 45 55.9	36.31	70.97	211	4.5
2016 05 30 17 40 16.7	31.13	92.43	33	4.0
2016 05 30 22 39 26.6	25.00	93.38	16	3.7
2016 05 31 17 42 44.2	36.15	70.60	100	4.4
2016 06 01 17 39 50.0	36.80	70.97	250	3.9
2016 06 02 05 17 29.2	36.71	71.14	150	3.9
2016 06 03 17 35 47.2	36.62	70.64	200	4.3
2016 06 05 22 48 6.3	36.03	70.19	100	4.5
2016 06 06 12 17 53.2	27.92	94.10	10	4.1
2016 06 07 12 01 11.8	27.40	92.63	5	4.0
2016 06 07 20 10 36.0	30.07	80.46	10	3.8
2016 06 08 01 33 46.5	36.58	71.23	150	4.3
2016 06 10 14 21 6.9	22.65	93.86	30	3.8
2016 06 10 23 11 12.8	37.71	71.84	150	5.3
2016 06 11 18 12 21.2	25.74	95.14	90	4.2
2016 06 11 21 54 2.5	36.66	71.21	120	5.0
2016 06 12 11 20 22.2	17.29	73.81	10	3.6
2016 06 13 19 22 44.0	27.61	92.75	10	3.4
2016 06 13 23 27 44.7	27.78	84.57	10	3.8
2016 06 15 09 02 10.6	36.05	69.98	100	5.2
2016 06 17 08 45 38.7	36.46	71.01	37	4.3
2016 06 18 16 54 23.2	37.13	71.25	110	4.5
2016 06 21 05 49 50.2	28.29	85.34	10	3.6
2016 06 21 16 47 6.0	35.87	73.33	35	4.4
2016 06 22 13 03 21.0	22.72	94.37	100	4.8
2016 06 22 20 23 53.4	31.93	85.32	10	4.0
2016 06 22 21 55 21.7	24.44	94.30	10	3.9
2016 06 23 11 35 44.0	35.69	70.76	227	5.8
2016 06 24 17 00 3.5	36.94	71.07	199	5.3

2016 06 24 23 01 15.8	24.15	93.65	10	3.0
2016 06 25 04 03 50.5	27.31	95.20	5	4.3
2016 06 26 09 14 14.3	35.94	70.56	255	5.3
2016 06 27 00 27 41.0	22.71	92.25	10	5.4
2016 06 27 05 27 32.7	32.18	68.65	50	4.3
2016 06 27 07 22 10.6	23.18	94.18	5	4.0
2016 06 27 14 53 1.0	28.79	87.43	10	4.4
2016 06 28 14 15 34.4	24.48	92.12	10	3.6
2016 06 29 09 10 30.2	29.36	81.26	10	4.4
2016 06 29 09 26 59.0	29.46	81.48	10	3.9
2016 06 30 20 50 35.7	30.16	70.07	10	4.4
2016 07 01 00 31 15.5	21.33	94.18	171	3.6
2016 07 01 13 48 25.6	36.30	69.85	257	3.9
2016 07 01 19 22 41.7	24.98	95.11	132	4.8
2016 07 02 00 23 46.4	29.48	81.22	10	4.0
2016 07 02 05 04 14.3	20.77	93.98	80	3.4
2016 07 02 13 29 26.7	25.11	94.37	35	3.5
2016 07 02 23 27 10.0	36.73	69.10	272	4.0
2016 07 03 08 09 4.0	37.65	72.14	130	4.4
2016 07 04 03 31 3.0	25.98	95.60	115	3.8
2016 07 04 09 31 36.5	29.94	70.32	10	3.6
2016 07 04 12 07 23.7	22.42	93.57	33	3.6
2016 07 05 06 24 58.0	25.20	94.53	79	3.8
2016 07 05 09 43 45.5	24.83	94.89	125	3.6
2016 07 06 21 02 56.7	36.53	70.38	262	4.5
2016 07 07 03 41 6.5	37.08	71.90	303	4.0
2016 07 07 04 08 22.5	37.12	71.62	318	4.1
2016 07 07 06 02 14.6	35.21	73.04	33	3.4
2016 07 07 08 41 34.2	36.60	70.65	261	4.5
2016 07 07 08 59 28.2	28.99	84.10	10	3.5
2016 07 07 15 02 52.2	29.40	81.22	13	4.0
2016 07 07 22 23 21.1	27.88	86.14	10	3.1
2016 07 08 18 37 30.0	36.85	71.76	200	3.8
2016 07 09 03 26 41.5	36.23	71.56	264	3.9
2016 07 09 06 58 37.9	36.08	72.18	211	3.5
2016 07 09 20 42 9.5	30.37	79.29	10	3.9
2016 07 10 10 58 13.8	36.49	71.35	250	4.1
2016 07 11 06 31 18.2	36.63	72.44	100	3.7
2016 07 11 06 51 23.7	36.32	70.59	220	4.3
2016 07 11 20 23 13.0	36.75	71.45	314	3.9
2016 07 12 09 05 21.6	36.46	70.35	250	4.6
2016 07 13 09 33 33.7	24.51	94.52	107	3.9
2016 07 13 17 56 31.2	11.83	95.31	10	3.5
2016 07 15 05 51 25.7	26.44	93.36	41	3.2
2016 07 15 16 08 6.5	15.52	93.84	37	3.9
2016 07 17 03 55 2.0	21.64	72.49	7	4.2
2016 07 17 11 53 55.5	31.15	74.22	30	4.4
2016 07 18 22 41 15.8	36.60	70.46	200	3.8
2016 07 19 03 19 17.7	36.95	71.61	322	4.1
2016 07 19 20 35 1.6	35.62	69.89	115	3.5
2016 07 20 03 23 44.9	22.97	93.99	168	4.4
2016 07 21 14 42 8.3	31.36	77.60	8	3.4
2016 07 21 21 54 0.2	37.26	72.30	297	3.8
2016 07 24 15 33 7.5	12.81	93.22	66	4.2
2016 07 25 03 44 54.2	36.57	71.14	280	4.3
2016 07 25 06 36 17.2	36.65	70.42	200	4.2
2016 07 26 06 06 47.0	26.49	92.36	34	3.8
2016 07 27 04 20 32.5	21.68	94.22	120	5.1
2016 07 27 16 54 28.1	24.73	94.27	27	4.0
2016 07 27 23 40 54.0	28.42	87.63	10	3.4
2016 07 30 11 58 49.0	29.69	94.72	33	4.4
2016 07 30 20 36 59.5	24.71	94.31	10	3.5
2016 08 01 10 01 10.5	21.35	94.61	123	5.3
2016 08 01 13 38 33.5	31.33	77.55	10	3.9

2016 08 01	22 21	43.9	36.54	71.36	230	3.8
2016 08 02	01 23	54.4	34.19	72.04	33	4.3
2016 08 02	02 24	36.5	24.54	94.43	101	3.7
2016 08 03	09 38	9.8	36.25	69.97	115	4.2
2016 08 03	18 31	22.2	28.58	95.58	19	3.4
2016 08 04	02 20	2.7	35.37	68.59	10	4.8
2016 08 04	17 20	40.2	36.44	70.61	268	4.0
2016 08 04	21 34	49.2	37.89	72.22	143	4.6
2016 08 08	11 58	4.5	36.15	70.82	253	4.0
2016 08 11	10 52	30.7	7.51	92.73	15	3.6
2016 08 11	10 55	17.0	8.22	93.03	15	4.5
2016 08 11	11 44	7.9	36.38	70.92	200	4.7
2016 08 11	13 50	53.9	37.55	72.03	242	4.9
2016 08 11	21 26	50.5	25.65	90.84	8	3.3
2016 08 12	00 46	28.7	34.39	86.27	10	4.4
2016 08 12	12 23	17.6	35.29	81.10	33	3.6
2016 08 13	09 46	15.6	36.81	71.19	248	4.1
2016 08 14	05 08	11.3	29.13	76.89	10	3.4
2016 08 14	21 38	17.2	36.48	71.02	251	4.2
2016 08 15	08 57	9.6	22.61	94.49	118	4.6
2016 08 16	22 35	28.2	36.56	70.53	152	4.4
2016 08 17	13 54	47.2	31.97	77.98	20	3.5
2016 08 18	18 23	58.7	12.01	93.79	97	3.6
2016 08 18	20 05	53.2	30.96	78.14	10	3.5
2016 08 19	10 45	56.9	22.57	95.96	33	3.2
2016 08 19	19 05	33.5	27.56	92.80	10	3.8
2016 08 19	20 01	22.5	37.22	71.96	285	4.3
2016 08 20	21 24	28.2	25.65	93.22	10	3.3
2016 08 21	09 04	15.5	24.86	94.14	53	3.3
2016 08 22	05 28	27.2	25.58	93.55	9	3.2
2016 08 22	09 20	10.1	28.11	76.13	30	3.8
2016 08 22	11 01	12.1	36.46	71.32	289	3.8
2016 08 22	23 05	34.0	36.44	71.07	232	3.6
2016 08 23	00 00	48.5	25.60	93.21	10	3.1
2016 08 23	02 11	14.0	23.85	94.39	106	5.4
2016 08 23	22 37	8.3	35.45	69.33	171	4.0
2016 08 24	10 34	57.5	20.95	94.27	88	6.7
2016 08 24	10 57	17.2	20.88	94.45	90	4.0
2016 08 25	00 34	4.5	29.80	80.38	12	3.0
2016 08 26	11 21	26.7	24.26	94.44	105	3.4
2016 08 26	18 20	43.5	9.09	94.47	10	4.4
2016 08 26	18 39	3.7	31.34	73.41	36	3.7
2016 08 27	01 14	32.5	31.35	77.61	7	4.5
2016 08 27	01 23	50.0	31.42	77.61	10	3.2
2016 08 27	01 35	9.0	31.34	77.57	10	4.3
2016 08 27	03 38	15.5	31.32	77.54	10	3.9
2016 08 27	07 07	20.2	31.46	77.59	10	3.5
2016 08 27	07 08	46.0	31.50	77.63	10	3.7
2016 08 27	15 04	44.9	23.93	93.71	77	3.7
2016 08 28	04 50	30.2	36.69	77.39	90	4.0
2016 08 28	09 18	48.0	32.79	76.29	10	3.9
2016 08 28	10 01	0.6	25.81	93.17	16	3.1
2016 08 28	12 54	48.9	28.15	88.55	129	3.3
2016 08 28	16 57	31.5	36.33	70.39	126	4.5
2016 08 28	19 41	11.1	25.69	90.84	10	3.6
2016 08 30	08 48	27.6	36.55	70.53	220	3.9
2016 08 30	20 15	39.5	36.52	70.68	291	4.1
2016 08 31	01 26	47.5	24.70	93.39	11	3.2
2016 08 31	09 25	7.4	34.18	86.09	10	4.4
2016 08 31	20 22	46.2	36.36	71.52	224	4.0
2016 09 02	06 12	45.9	35.99	70.12	90	4.5
2016 09 02	08 19	48.2	34.87	72.21	33	4.4
2016 09 02	14 30	56.5	28.93	94.93	25	4.7
2016 09 03	01 07	56.2	24.43	94.43	96	4.0

2016 09 03 11 41 14.1	26.53	92.00	10	3.6
2016 09 03 19 05 15.6	36.49	71.12	100	3.6
2016 09 03 21 38 50.5	27.36	97.29	20	4.1
2016 09 04 13 05 50.9	27.87	92.11	15	3.9
2016 09 04 22 28 40.2	13.62	92.69	5	4.1
2016 09 05 02 04 15.1	27.75	86.25	10	4.1
2016 09 05 04 50 9.8	35.01	72.53	30	4.7
2016 09 05 07 52 35.7	27.18	94.54	10	3.6
2016 09 07 22 21 15.8	28.35	95.01	10	4.1
2016 09 08 20 46 48.9	26.68	89.41	10	3.5
2016 09 09 09 10 49.7	30.05	82.89	20	4.2
2016 09 09 11 03 8.1	36.24	70.28	120	4.3
2016 09 10 00 46 21.2	29.59	82.53	30	4.6
2016 09 10 15 27 25.5	28.59	76.63	10	4.6
2016 09 11 05 07 41.2	9.07	93.51	80	4.2
2016 09 11 07 06 57.5	36.48	70.27	200	4.5
2016 09 11 08 00 37.9	17.70	73.68	10	3.3
2016 09 11 21 46 6.5	26.95	92.45	10	4.3
2016 09 12 05 14 9.8	35.69	70.81	35	4.6
2016 09 12 18 20 48.5	36.53	70.65	150	4.1
2016 09 13 11 59 51.5	10.89	91.51	35	4.7
2016 09 14 11 26 48.5	36.67	70.84	225	4.3
2016 09 15 02 30 43.4	9.93	91.46	10	4.7
2016 09 17 02 46 24.1	24.44	93.82	50	4.1
2016 09 17 11 17 56.0	27.13	90.02	10	4.5
2016 09 18 05 28 58.0	26.92	93.64	10	4.2
2016 09 18 14 34 40.5	26.76	88.43	10	3.1
2016 09 18 17 14 16.2	27.76	85.72	5	4.3
2016 09 18 23 39 7.5	7.98	92.12	38	3.4
2016 09 19 12 57 36.5	10.51	92.83	33	3.7
2016 09 20 04 26 15.6	32.03	97.27	10	4.2
2016 09 20 09 42 29.2	37.58	71.73	130	5.0
2016 09 20 21 59 21.2	26.73	92.57	34	3.9
2016 09 22 13 23 44.0	24.99	95.54	23	5.2
2016 09 22 20 24 25.7	25.94	68.03	10	4.7
2016 09 23 22 27 18.5	7.96	94.28	30	4.7
2016 09 24 12 28 46.4	36.62	70.44	200	4.2
2016 09 24 18 00 5.5	25.80	94.89	90	3.6
2016 09 25 20 43 59.7	23.61	69.91	15	3.7
2016 09 25 21 41 35.9	30.53	78.98	10	3.9
2016 09 26 00 13 38.0	36.48	70.61	200	4.0
2016 09 26 19 04 17.0	8.30	94.25	10	4.1
2016 09 27 05 11 35.7	37.74	72.62	200	4.3
2016 09 27 05 12 30.0	37.16	72.38	100	4.5
2016 10 01 08 04 32.7	35.10	73.44	10	5.0
2016 10 01 11 35 59.4	30.90	88.59	10	4.1
2016 10 01 19 26 36.7	37.40	71.90	156	4.8
2016 10 03 21 16 1.7	24.78	94.70	112	3.6
2016 10 04 14 19 17.6	34.05	75.53	33	3.7
2016 10 05 08 59 30.6	36.53	70.22	100	4.5
2016 10 05 20 03 19.6	34.34	68.90	33	4.0
2016 10 05 23 44 47.7	36.85	71.57	231	4.4
2016 10 06 14 47 56.5	26.39	92.99	32	4.0
2016 10 06 23 15 9.1	34.76	69.44	158	4.4
2016 10 07 04 52 31.6	27.67	86.29	10	3.7
2016 10 08 08 10 4.4	28.93	78.11	10	3.0
2016 10 10 01 58 1.7	36.65	70.92	268	4.1
2016 10 10 06 52 40.5	27.84	87.37	12	4.3
2016 10 11 07 30 13.6	25.34	94.92	104	4.5
2016 10 11 17 41 12.1	25.22	95.35	15	4.5
2016 10 13 06 14 27.0	27.01	92.02	10	3.2
2016 10 14 02 01 19.7	29.95	80.25	14	3.4
2016 10 14 02 02 55.2	29.99	80.17	4	3.4
2016 10 14 04 51 28.2	32.97	75.92	10	3.7

2016	10	14	10	34	34.5	25.37	91.79	10	3.9
2016	10	14	17	23	19.7	36.72	71.54	277	4.1
2016	10	15	16	54	18.7	37.21	72.24	163	4.3
2016	10	15	17	17	28.2	36.81	71.55	247	4.2
2016	10	16	01	46	43.2	37.88	72.10	100	4.1
2016	10	16	14	19	18.5	36.52	71.06	184	4.1
2016	10	17	00	30	46.7	29.69	80.39	4	3.6
2016	10	17	00	37	7.3	36.87	70.52	195	5.0
2016	10	17	01	56	24.2	36.72	70.70	263	4.4
2016	10	17	05	40	0.5	36.97	71.52	230	4.5
2016	10	17	07	14	51.4	32.87	94.56	33	5.9
2016	10	18	21	31	31.7	22.63	92.60	10	3.1
2016	10	19	07	20	47.0	24.84	91.08	14	4.4
2016	10	19	23	57	16.7	33.00	94.79	10	4.3
2016	10	20	00	40	5.0	36.02	71.65	100	5.1
2016	10	20	04	53	48.9	30.85	69.60	10	4.7
2016	10	21	13	04	56.7	24.88	91.08	10	3.8
2016	10	21	23	31	21.1	37.71	71.79	182	4.7
2016	10	22	06	00	19.2	24.79	94.08	36	3.9
2016	10	23	00	28	51.9	34.74	72.42	33	3.1
2016	10	23	10	03	25.7	36.56	70.78	225	4.4
2016	10	23	15	56	40.0	25.81	90.25	7	4.7
2016	10	24	00	56	25.6	36.90	71.82	100	3.7
2016	10	24	06	31	32.5	37.38	72.23	251	4.4
2016	10	24	10	51	54.7	34.31	72.11	10	4.2
2016	10	25	04	16	34.4	36.40	70.79	207	4.4
2016	10	25	22	00	39.0	7.88	91.95	41	4.7
2016	10	26	02	22	0.8	22.95	94.31	100	4.8
2016	10	26	06	29	7.3	23.23	92.78	11	5.0
2016	10	27	08	50	11.3	29.85	80.15	32	3.3
2016	10	29	17	47	12.6	21.79	93.55	30	3.9
2016	10	30	23	57	12.3	36.30	71.11	200	4.2
2016	10	31	22	55	3.5	26.27	95.06	69	3.4
2016	11	03	04	06	57.5	23.45	70.15	17	3.3
2016	11	06	01	44	24.7	35.78	68.80	100	4.3
2016	11	08	00	14	45.0	36.87	70.78	200	4.0
2016	11	08	00	37	24.5	26.54	93.01	53	3.6
2016	11	11	08	25	4.5	26.51	92.57	40	3.5
2016	11	11	11	23	45.2	36.61	77.39	100	4.2
2016	11	11	16	20	11.3	7.19	91.90	30	3.5
2016	11	11	19	34	46.0	37.74	69.20	50	3.6
2016	11	13	21	22	24.6	10.45	93.67	10	3.9
2016	11	14	13	14	51.7	37.39	71.56	100	4.9
2016	11	15	02	10	22.2	24.67	92.38	28	4.7
2016	11	15	14	27	16.7	24.60	93.66	38	3.2
2016	11	15	16	02	49.2	36.71	70.57	200	5.6
2016	11	15	17	03	50.4	37.65	72.00	200	3.9
2016	11	16	05	07	45.7	31.43	75.78	10	3.7
2016	11	16	22	59	24.2	27.75	76.56	10	4.5
2016	11	17	04	10	39.9	26.41	93.34	30	3.4
2016	11	17	19	33	19.7	36.97	70.67	10	3.9
2016	11	17	21	45	51.0	32.59	96.57	10	4.6
2016	11	18	06	54	33.4	36.70	71.22	90	4.7
2016	11	21	00	15	37.5	36.38	70.12	200	4.5
2016	11	21	18	09	18.0	27.99	91.74	5	4.0
2016	11	22	03	50	52.2	37.10	71.51	100	4.8
2016	11	22	06	26	20.7	36.51	70.92	260	4.1
2016	11	22	13	12	44.7	36.26	69.76	200	3.8
2016	11	23	02	31	1.7	30.46	78.10	10	3.4
2016	11	23	17	02	51.7	26.45	93.31	38	3.3
2016	11	23	19	57	53.7	24.69	94.70	24	3.3
2016	11	24	02	06	31.6	24.79	94.50	85	3.4
2016	11	24	14	16	38.2	33.52	72.40	10	4.3
2016	11	24	19	27	25.7	17.25	73.83	10	4.3



2016	11	25	11	17	7.3	13.00	92.97	10	4.6
2016	11	25	19	37	54.2	7.18	92.47	10	4.5
2016	11	27	10	21	6.5	36.80	70.58	70	4.1
2016	11	27	23	35	22.5	27.66	86.47	10	5.4
2016	11	30	22	42	53.5	31.17	77.55	10	3.4
2016	12	01	06	46	26.6	36.88	70.59	187	5.0
2016	12	01	16	52	48.7	29.82	80.57	13	5.2
2016	12	01	19	41	18.0	27.51	88.78	5	3.3
2016	12	01	22	03	4.8	25.02	94.60	17	3.5
2016	12	02	22	50	34.5	33.26	75.67	5	3.2
2016	12	03	19	42	17.2	11.06	91.76	33	4.7
2016	12	05	01	47	28.6	36.53	70.33	150	3.9
2016	12	05	05	25	57.7	23.82	94.46	124	3.9
2016	12	06	18	13	25.5	36.04	71.67	409	4.4
2016	12	07	05	21	25.7	23.40	70.50	15	3.3
2016	12	08	00	07	31.0	36.50	71.06	98	5.1
2016	12	08	07	46	22.7	23.45	94.62	10	4.0
2016	12	08	09	32	54.5	24.58	94.87	112	3.8
2016	12	08	09	41	25.0	23.84	93.88	94	3.4
2016	12	08	10	01	54.0	34.35	68.61	15	4.8
2016	12	08	14	34	52.0	33.90	69.08	10	4.4
2016	12	09	17	53	16.7	36.56	70.51	255	3.9
2016	12	11	01	57	27.2	25.73	91.90	5	3.9
2016	12	11	11	06	17.7	29.18	77.90	10	3.1
2016	12	11	19	43	11.0	25.32	91.07	33	3.6
2016	12	12	02	21	39.4	30.93	78.02	5	3.2
2016	12	12	07	48	55.9	26.34	93.34	35	3.3
2016	12	13	22	41	38.2	30.95	77.99	10	3.5
2016	12	15	03	44	13.3	22.84	94.17	119	4.6
2016	12	15	09	55	9.6	36.69	70.90	260	5.3
2016	12	17	03	50	1.2	36.51	70.56	200	4.5
2016	12	17	17	25	55.4	34.32	73.86	10	4.5
2016	12	18	02	16	8.5	29.36	94.87	33	3.6
2016	12	19	04	31	56.7	30.89	77.96	10	3.2
2016	12	19	17	14	0.6	24.87	94.28	92	3.1
2016	12	20	07	01	18.5	26.29	93.23	34	3.7
2016	12	20	21	32	46.0	36.37	71.28	233	3.6
2016	12	21	21	53	27.2	25.18	93.95	11	3.6
2016	12	23	04	56	13.8	12.23	92.31	17	4.1
2016	12	25	07	58	48.0	36.66	70.63	250	3.8
2016	12	26	08	45	47.7	30.89	77.95	10	3.2
2016	12	26	16	17	14.8	25.73	74.24	10	3.3
2016	12	26	17	25	42.9	22.73	94.52	90	4.6
2016	12	26	22	26	52.4	31.60	77.25	10	3.2
2016	12	27	07	17	12.3	34.67	73.51	33	4.3
2016	12	27	10	50	16.6	13.15	93.30	6	3.9
2016	12	27	21	21	50.5	13.25	92.15	10	4.4
2016	12	28	14	25	46.0	36.05	69.68	262	4.8
2016	12	29	22	46	24.2	36.63	71.36	262	4.2

### 3) YEAR 2017

Day	Origin-TIME					Latitude	Longitude	Depth	Magnitude
Year	Mon	day	hr	min	sec	°N	°E	(Km)	(Richter scale)
(UTC)									

2017	01	03	18	49	51	23.4	94.0	10	5.4
2017	01	03	09	09	03	24.1	91.9	28	5.7
2017	01	04	13	40	32	24.0	92.0	15	3.4
2017	01	05	05	56	52	25.1	95.0	123	4.3
2017	01	06	15	03	52	24.1	91.9	55	3.9
2017	01	08	04	28	16	25.2	94.4	20	3.3
2017	01	10	15	27	41	30.3	79.4	5	3.2
2017	01	11	13	21	14	28.3	94.1	10	3.3

2017	01	12	09	32	07	26.5	95.4	75	4.7
2017	01	17	15	22	16	27.6	88.6	10	3.6
2017	01	18	03	03	17	24.5	94.8	22	4.2
2017	01	18	01	46	10	23.9	93.0	27	3.7
2017	01	23	09	33	05	30.8	78.2	10	3.5
2017	01	24	18	14	29	25.5	94.6	50	3.1
2017	01	24	12	25	38	25.6	91.7	15	3.4
2017	01	27	07	40	55	36.4	71.5	10	5.2
2017	01	29	09	09	04	24.8	92.8	10	3.2
2017	01	31	05	28	42	26.4	93.5	22	3.2
2017	02	03	13	35	48	30.5	79.2	10	3.6
2017	02	04	07	05	17	32.6	76.6	10	3.5
2017	02	05	12	54	59	27.9	93.8	10	3.8
2017	02	06	20	21	45	30.6	79.0	10	3.6
2017	02	06	17	03	08	30.5	79.1	33	5.8
2017	02	07	22	03	54	25.2	63.4	10	6.2
2017	02	08	08	14	28	26.9	92.9	15	3.6
2017	02	11	18	12	51	23.9	91.8	10	3.5
2017	02	11	17	21	13	30.5	79.1	5	3.2
2017	02	12	04	05	30	25.6	90.8	10	4.5
2017	02	16	15	13	10	26.2	92.8	20	3.6
2017	02	18	18	53	42	26.6	93.0	30	3.4
2017	02	23	21	39	16	27.3	88.1	150	3.5
2017	02	23	20	16	07	23.7	94.5	82	3.4
2017	02	24	21	00	44	28.7	96.0	36	3.2
2017	02	24	12	02	49	24.1	93.4	20	5.2
2017	02	25	07	02	19	24.1	92.1	33	4.0
2017	02	25	00	00	44	28.7	96.0	10	3.5
2017	02	27	04	21	45	27.3	85.9	10	4.7
2017	02	27	03	37	47	27.3	85.9	10	5.0
2017	03	01	20	09	31	32.3	76.6	10	3.8
2017	03	03	23	38	13	24.3	94.2	70	3.5
2017	03	04	06	50	44	5.5	90.9	10	3.3
2017	03	04	02	11	52	25.2	94.6	70	5.0
2017	03	06	02	44	16	35.7	74.0	50	4.8
2017	03	07	09	59	16	26.8	90.5	30	4.1
2017	03	09	08	39	56	32.5	76.6	5	3.5
2017	03	09	06	18	25	35.9	71.7	160	5.0
2017	03	09	02	55	15	25.0	94.2	36	4.1
2017	03	10	12	39	33	8.5	91.9	10	4.7
2017	03	13	10	22	17	24.6	72.1	10	4.5
2017	03	14	02	51	19	6.4	92.2	10	5.9
2017	03	14	00	18	01	32.7	75.6	10	3.6
2017	03	17	14	01	49	11.5	92.7	60	4.9
2017	03	19	08	57	09	9.9	94.0	10	4.7
2017	03	21	15	40	44	24.9	92.1	37	3.9
2017	03	25	02	05	55	25.0	95.1	82	5.0
2017	03	26	21	42	09	27.3	88.6	10	4.6
2017	03	28	10	18	49	26.5	93.5	10	3.0
2017	03	29	19	14	33	26.1	91.3	18	3.5
2017	03	30	03	40	23	26.5	93.0	24	3.5
2017	04	05	16	44	34	14.5	92.9	10	5.0
2017	04	07	10	32	58	30.4	79.1	10	4.0
2017	04	10	08	50	34	30.7	78.6	10	3.8
2017	04	10	05	24	31	27.0	95.6	10	3.2
2017	04	12	17	34	33	23.9	93.9	10	3.2
2017	04	13	19	44	01	24.6	93.3	10	3.0
2017	04	15	22	35	14	26.0	91.0	10	3.5
2017	04	16	23	09	53	30.5	79.1	10	3.5
2017	04	16	08	08	02	26.1	91.4	24	3.3
2017	04	18	14	01	32	25.1	91.5	10	4.3
2017	04	18	05	11	56	33.8	76.6	33	5.0
2017	04	18	02	11	24	31.6	77.9	5	3.8
2017	04	18	02	06	17	12.6	77.4	33	3.4

2017	04	23	01	39	24	31.6	77.9	5	3.8
2017	04	24	10	53	46	23.4	94.1	70	4.3
2017	04	25	16	14	53	25.6	90.6	10	4.3
2017	04	29	23	23	57	24.1	93.5	55	3.4
2017	05	01	06	50	57	13.8	93.1	10	4.7
2017	05	02	17	47	33	27.6	96.3	10	3.3
2017	05	02	17	43	50	27.5	96.2	10	3.4
2017	05	02	09	51	40	32.9	75.5	19	3.6
2017	05	03	00	12	33	24.7	94.5	10	3.4
2017	05	05	17	58	35	13.9	92.7	10	5.0
2017	05	06	17	57	11	36.4	75.3	10	4.2
2017	05	06	14	48	50	23.8	93.8	65	4.7
2017	05	09	03	26	54	26.6	93.2	28	3.4
2017	05	09	01	53	55	26.3	92.7	25	3.7
2017	05	16	22	13	19	27.3	88.2	10	4.0
2017	05	16	14	04	41	11.4	94.8	10	4.4
2017	05	17	17	45	50	13.0	93.9	10	5.0
2017	05	18	08	43	42	24.9	94.5	75	4.0
2017	05	19	00	02	29	32.8	76.3	5	4.5
2017	05	20	05	48	43	32.8	76.2	5	4.1
2017	05	20	03	41	46	32.8	76.2	10	3.6
2017	05	21	21	23	47	28.1	95.1	30	3.3
2017	05	21	17	38	36	13.6	94.0	10	4.6
2017	05	21	04	27	07	32.5	76.8	10	3.5
2017	05	22	19	41	43	33.9	75.8	5	3.3
2017	05	24	13	54	54	23.9	94.3	95	3.7
2017	05	26	14	17	49	24.4	94.0	70	3.8
2017	05	29	15	19	25	33.4	73.9	10	3.5
2017	05	29	14	43	17	26.7	88.8	30	3.7
2017	05	29	13	53	27	32.9	75.5	10	4.4
2017	05	30	22	25	08	12.2	92.6	107	4.6
2017	06	01	22	55	56	28.8	76.7	22	5.0
2017	06	01	12	13	47	25.5	93.9	10	3.2
2017	06	02	02	43	15	28.8	76.7	22	3.2
2017	06	03	18	14	52	17.1	73.8	10	4.8
2017	06	03	02	42	59	17.1	73.8	10	4.8
2017	06	05	16	40	07	24.0	92.1	96	3.0
2017	06	08	22	19	21	32.7	74.7	10	3.2
2017	06	09	17	38	23	27.8	95.7	91	3.2
2017	06	12	09	11	21	30.7	78.4	10	3.0
2017	06	14	17	56	17	32.9	76.5	5	3.1
2017	06	15	01	14	29	24.1	93.4	10	3.0
2017	06	16	05	14	18	27.0	94.4	31	3.1
2017	06	16	05	14	18	27.0	94.4	31	3.1
2017	06	18	22	35	44	24.7	93.9	10	4.4
2017	06	20	04	31	58	27.1	92.5	10	3.5
2017	06	21	20	51	17	17.0	73.7	10	3.3
2017	06	21	18	36	11	25.7	87.1	50	4.5
2017	06	24	20	17	01	24.4	94.2	82	3.5
2017	06	27	15	16	54	24.2	93.6	10	3.0
2017	06	27	14	02	55	25.1	93.9	10	3.0
2017	07	01	07	01	15	23.8	94.4	81	5.0
2017	07	02	05	27	44	24.3	94.4	80	4.9
2017	07	02	04	44	49	26.5	90.0	10	3.1
2017	07	02	01	58	28	27.4	86.5	10	4.9
2017	07	04	10	05	47	27.0	92.1	10	3.5
2017	07	05	09	37	23	25.9	90.3	10	3.3
2017	07	08	18	08	37	27.5	92.5	15	3.2
2017	07	08	11	21	01	27.3	88.5	10	3.0
2017	07	08	10	12	31	34.6	73.5	10	5.2
2017	07	09	07	59	49	29.2	95.5	10	4.8
2017	07	10	23	28	30	27.1	93.8	10	3.1
2017	07	10	21	38	59	30.4	79.2	70	3.8
2017	07	13	05	03	33	23.6	94.2	90	4.8

2017	07	15	16	35	31	28.8	81.5	81	4.5
2017	07	15	02	25	35	30.6	77.7	10	3.3
2017	07	17	20	20	26	24.9	95.0	113	4.0
2017	07	17	13	24	41	24.3	91.7	10	3.5
2017	07	17	09	47	26	26.8	89.2	10	3.4
2017	07	18	23	11	55	25.0	94.2	10	3.2
2017	07	18	17	05	17	24.7	94.1	10	3.4
2017	07	19	13	48	14	33.1	76.4	5	3.4
2017	07	21	00	23	38	24.0	92.1	20	3.9
2017	07	22	20	06	48	25.2	94.5	80	3.6
2017	07	23	21	43	45	26.9	95.8	108	3.5
2017	07	25	18	28	00	26.3	93.1	28	3.2
2017	07	29	22	01	25	24.1	93.6	30	3.3
2017	07	31	00	57	22	26.9	92.3	10	4.0
2017	08	02	18	18	08	24.4	93.4	65	5.4
2017	08	05	12	24	56	26.8	92.2	10	3.3
2017	08	06	03	48	32	6.30	94.9	10	4.9
2017	08	07	11	25	07	26.3	91.7	10	3.4
2017	08	08	00	35	37	24.4	93.5	35	4.3
2017	08	11	03	34	53	13.8	92.9	10	5.0
2017	08	11	02	39	50	27.3	96.6	60	4.1
2017	08	16	06	35	23	19.5	77.2	10	3.0
2017	08	16	03	26	48	32.7	76.3	10	4.1
2017	08	16	03	23	14	32.7	76.4	10	3.5
2017	08	17	07	38	32	25.9	94.4	24	4.4
2017	08	17	03	52	32	26.6	95.4	60	3.8
2017	08	19	16	52	32	17.3	73.7	10	4.5
2017	08	22	15	22	07	30.5	79.9	10	4.2
2017	08	22	00	50	39	29.2	81.1	10	4.5
2017	08	23	20	58	35	36.0	74.3	90	5.0
2017	08	27	08	05	09	17.1	73.9	5	3.3
2017	08	27	04	05	58	24.9	94.1	30	3.2
2017	08	31	17	57	26	26.6	92.7	10	3.4
2017	09	01	03	11	31	26.0	94.5	13	3.0
2017	09	02	21	04	23	24.9	93.9	26	3.4
2017	09	03	06	52	11	9.20	93.0	10	5.0
2017	09	05	18	06	36	8.20	93.4	10	4.7
2017	09	06	00	10	52	10.0	93.6	10	5.2
2017	09	07	14	32	00	25.2	90.0	10	4.4
2017	09	07	11	10	19	36.9	71.7	65	5.0
2017	09	09	14	18	59	27.9	96.3	10	3.2
2017	09	11	16	44	50	11.0	94.1	10	4.3
2017	09	14	03	40	34	24.4	93.9	40	3.2
2017	09	15	22	37	44	12.2	93.1	10	4.5
2017	09	17	14	48	23	13.6	91.8	10	4.4
2017	09	20	16	37	24	38.0	144.6	10	6.2
2017	09	21	22	35	56	24.3	93.6	38	3.1
2017	09	21	16	34	36	25.0	94.6	74	4.0
2017	09	23	00	14	13	34.0	74.7	150	4.5
2017	09	24	11	06	50	32.8	76.2	5	3.6
2017	09	24	08	37	14	24.7	94.4	75	3.0
2017	09	25	10	42	38	24.4	94.1	10	3.3
2017	09	27	12	18	21	26.5	92.8	31	3.0
2017	09	28	23	27	19	23.7	92.9	17	3.3
2017	10	01	14	35	32	13.0	92.0	10	4.5
2017	10	01	12	49	01	13.0	92.0	10	4.7
2017	10	01	12	18	17	28.6	96.1	147	4.5
2017	10	02	23	31	38	12.9	91.9	10	4.5
2017	10	02	11	02	29	32.5	76.7	5	3.1
2017	10	03	13	48	34	25.1	94.5	66	4.2
2017	10	04	21	29	08	26.8	89.3	10	3.7
2017	10	05	10	25	38	26.8	95.5	66	3.9
2017	10	06	14	00	29	12.3	95.2	10	4.9
2017	10	06	04	36	44	27.8	96.0	10	4.2

2017	10	06	02	10	20	27.7	96.0	10	3.7
2017	10	09	19	32	39	12.6	91.9	10	4.3
2017	10	11	06	02	52	19.8	84.1	10	3.2
2017	10	19	01	10	22	33.5	76.1	10	4.7
2017	10	19	00	54	20	33.6	75.3	10	3.3
2017	10	23	14	23	36	6.30	92.9	30	4.5
2017	10	25	18	20	49	14.1	92.7	10	4.7
2017	10	27	08	54	20	32.5	76.4	10	3.7
2017	10	27	02	37	43	31.3	77.2	10	4.4
2017	10	28	17	45	24	36.2	70.5	100	5.7
2017	10	28	16	53	50	28.4	76.2	5	3.5
2017	10	31	06	53	07	18.1	76.6	10	3.0
2017	11	06	03	08	44	29.3	83.1	10	4.7
2017	11	07	19	45	39	26.5	92.6	31	3.6
2017	11	08	21	22	28	29.9	77.7	10	3.5
2017	11	08	04	50	52	24.1	91.2	33	4.8
2017	11	09	23	49	12	17.6	73.6	10	3.8
2017	11	12	19	32	10	27.1	92.7	5	3.2
2017	11	12	05	15	43	29.1	79.2	27	3.6
2017	11	13	09	42	02	36.0	70.0	82	5.4
2017	11	14	18	05	53	24.7	94.3	102	3.0
2017	11	17	22	34	14	30.1	95.1	10	6.4
2017	11	18	13	02	11	29.9	80.2	20	3.3
2017	11	18	09	51	19	26.4	73.8	10	4.2
2017	11	20	08	48	00	23.7	94.5	82	5.0
2017	11	22	22	31	11	24.6	93.8	21	3.1
2017	11	30	11	45	11	30.4	76.0	10	3.8
2017	12	02	23	43	44	27.4	88.3	3	3.8
2017	12	02	20	25	06	25.2	93.3	10	3.1
2017	12	05	14	58	33	22.7	86.1	39	3.0
2017	12	06	23	29	07	35.5	77.6	35	5.4
2017	12	06	19	39	31	17.6	73.3	15	3.2
2017	12	06	15	19	54	30.4	79.1	30	5.5
2017	12	08	17	55	52	25.6	91.6	10	3.0
2017	12	08	02	51	13	27.8	85.5	10	5.0
2017	12	09	10	43	07	33.3	76.8	10	4.7
2017	12	10	22	58	54	34.3	78.8	33	4.5
2017	12	11	16	49	54	12.3	93.7	116	4.6
2017	12	11	03	35	17	25.6	90.6	60	4.7
2017	12	15	21	25	19	26.4	93.7	30	3.3
2017	12	17	06	20	40	27.6	94.3	10	4.2
2017	12	21	18	47	11	27.4	92.5	10	3.9
2017	12	22	15	58	47	10.0	93.1	10	5.0
2017	12	23	15	45	01	23.5	94.1	126	4.9
2017	12	25	04	14	21	19.8	73.2	5	3.4
2017	12	27	15	15	52	9.0	77.2	5	3.0
2017	12	28	11	17	28	30.4	79.2	33	4.7
2017	12	29	16	19	15	26.8	95.9	110	4.7
2017	12	29	11	29	38	8.60	92.4	10	5.2
2017	12	30	18	32	07	25.5	91.0	10	3.0
2017	12	31	00	31	18	27.3	92.7	10	3.2

#### 4) YEAR 2018 (upto 12<sup>th</sup> july)

Day	Origin-TIME					Latitude	Longitude	Depth	Magnitude
Year	Mon	day	hr	min	sec	°N	°E	(Km)	(Richter scale)
(UTC)									
2018	01	01	20	51	48	19.8	73.1	10	3.2
2018	01	01	16	01	01	26.8	92.3	30	3.0
2018	01	01	01	03	17	24.8	94.0	32	3.2
2018	01	04	19	57	40	6.60	95.2	198	4.8

2018	01	05	20	23	07	26.0	92.3	10	3.4
2018	01	05	07	11	04	26.1	92.1	20	4.0
2018	01	06	09	01	58	26.3	92.8	30	3.2
2018	01	07	06	47	16	24.7	94.7	35	6.0
2018	01	09	19	20	23	25.7	90.4	10	3.2
2018	01	09	12	55	34	32.1	75.7	10	3.0
2018	01	11	18	26	25	18.4	94.0	10	6.2
2018	01	14	15	48	08	12.2	92.3	10	4.8
2018	01	14	09	19	28	36.5	70.7	196	5.5
2018	01	16	07	35	34	17.3	73.9	23	3.7
2018	01	20	10	06	49	24.0	94.3	80	4.2
2018	01	20	01	14	31	26.3	89.8	10	5.2
2018	01	21	06	06	48	17.3	73.8	10	3.6
2018	01	23	13	02	10	21.0	70.6	10	3.6
2018	01	25	03	48	28	8.30	91.7	10	5.0
2018	01	28	21	02	55	25.9	90.3	10	3.4
2018	01	31	07	06	32	37.4	69.6	190	6.2
2018	01	31	07	06	32	37.4	69.6	190	6.2
2018	02	02	01	41	57	17.3	73.9	10	3.4
2018	02	04	19	40	44	24.3	93.2	10	3.2
2018	02	11	21	40	31	30.8	78.1	10	3.2
2018	02	13	02	39	48	12.3	93.0	10	5.6
2018	02	14	18	43	09	27.3	92.5	10	3.3
2018	02	20	08	12	14	22.8	93.1	10	4.2
2018	02	20	07	11	39	33.1	75.6	5	3.3
2018	02	23	11	56	25	6.10	92.6	35	4.7
2018	02	24	09	42	39	26.2	92.9	25	3.3
2018	02	25	09	54	18	26.8	92.7	18	3.3
2018	02	26	08	42	24	27.2	92.4	10	3.2
2018	03	03	01	31	31	24.0	93.5	50	3.7
2018	03	05	20	13	41	17.3	73.8	10	3.2
2018	03	05	20	41	46	26.5	93.4	10	3.5
2018	03	06	04	39	57	6.80	93.5	10	4.8
2018	03	10	03	21	28	35.7	76.1	10	4.5
2018	03	15	17	07	23	25.2	93.7	13	3.5
2018	03	15	14	53	21	33.2	76.1	10	3.4
2018	03	15	02	26	04	24.5	93.4	27	4.6
2018	03	21	22	58	25	26.3	89.6	20	3.9
2018	03	24	22	17	48	36.4	70.7	172	5.1
2018	03	28	22	33	17	23.2	70.8	30	4.6
2018	04	01	15	11	51	29.7	80.1	17	3.5
2018	04	04	15	21	30	25.0	94.5	77	4.4
2018	04	10	14	14	20	24.2	82.6	10	4.6
2018	04	16	06	08	13	08.4	91.4	10	4.5
2018	04	21	11	26	35	21.5	73.2	10	3.5
2018	04	21	07	10	59	24.6	93.1	25	3.4
2018	04	23	18	01	39	13.2	92.4	45	4.8
2018	04	24	18	46	51	28.8	76.9	7	3.0
2018	04	24	04	08	37	23.1	94.4	90	5.5
2018	04	26	20	54	22	25.4	88.8	32	4.2
2018	04	27	20	33	35	29.2	76.8	5	3.5
2018	05	09	10	41	34	36.9	71.3	96	6.1
2018	05	10	14	08	34	36.5	71.0	170	5.4
2018	05	11	02	11	51	25.2	92.6	5	3.7
2018	05	12	03	57	38	32.3	76.6	5	3.0
2018	05	13	18	45	51	6.90	94.5	10	4.7
2018	05	13	18	20	45	07.0	94.0	10	4.9
2018	05	15	01	17	32	26.5	93.2	27	3.2
2018	05	21	10	51	05	31.6	78.4	5	4.1
2018	05	22	12	35	00	31.1	77.8	10	3.6
2018	05	24	21	05	22	31.8	78.4	10	3.6
2018	05	24	14	25	16	29.7	80.7	12	3.6
2018	05	25	20	25	43	26.5	93.6	25	3.2
2018	05	25	17	41	34	10.0	93.9	10	4.8

2018	05	25	07	22	50	31.6	78.2	10	3.5
2018	05	28	01	59	43	08.6	94.3	10	5.0
2018	06	01	01	55	33	36.5	71.0	80	5.0
2018	06	02	05	46	11	27.2	96.8	30	5.3
2018	06	05	23	12	32	23.8	94.3	84	5.0
2018	06	05	01	34	37	29.4	81.6	10	4.7
2018	06	06	18	16	00	35.3	78.5	30	5.1
2018	06	06	17	41	28	30.6	78.8	15	4.4
2018	06	07	06	51	26	34.4	78.0	35	4.4
2018	06	11	04	53	49	26.2	92.5	10	5.1
2018	06	14	13	28	54	35.4	73.6	180	5.0
2018	06	14	10	15	50	32.5	76.1	5	4.5
2018	06	14	00	42	08	30.8	78.2	10	4.0
2018	06	16	22	06	35	31.4	77.7	5	3.2
2018	06	17	15	07	35	27.5	88.4	28	4.7
2018	06	17	14	21	29	30.0	70.2	10	5.1
2018	06	18	23	45	03	35.8	78.6	10	4.5
2018	06	20	07	44	27	24.7	94.1	33	4.6
2018	06	20	04	15	22	27.3	88.0	10	4.3
2018	06	20	04	08	58	27.3	87.9	10	4.2
2018	06	21	20	29	22	7.40	94.6	10	5.0
2018	06	21	03	31	23	23.9	93.9	40	4.0
2018	06	22	21	07	23	32.9	76.1	5	3.0
2018	06	24	15	58	10	26.0	93.6	16	3.5
2018	06	24	11	07	49	23.8	94.5	40	4.4
2018	06	25	19	57	45	32.8	76.0	10	3.3
2018	06	26	12	16	01	27.3	88.6	10	3.9
2018	06	28	04	07	50	27.7	84.9	10	4.7
2018	07	01	10	07	03	28.9	77.0	5	4.0
2018	07	03	23	55	16	13.2	93.8	10	4.5
2018	07	04	20	34	53	14.7	96.4	10	5.2
2018	07	04	07	12	47	13.2	92.6	10	5.2
2018	07	06	11	14	24	29.1	77.2	10	3.5
2018	07	08	09	54	35	7.40	94.3	70	4.7
2018	07	08	04	13	22	27.3	75.9	10	4.3
2018	07	09	08	05	48	30.6	79.3	25	3.2
2018	07	09	07	22	17	12.5	75.6	10	3.4

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