

GOVERNMENT OF INDIA  
 MINISTRY OF EARTH SCIENCES  
**LOK SABHA**  
 UNSTARRED QUESTION No. 3941  
 TO BE ANSWERED ON WEDNESDAY, AUGUST 06, 2014  
**EARTHQUAKE FORECASTING**

**3941. SHRI OM BIRLA:**

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

- (a) the amount spent on several studies regarding earthquakes during each of the last three years and the current year;
- (b) the details of each of the earthquake detected along with its intensity and the losses incurred during the above period;
- (c) the extent to which the forecast regarding earthquake like natural calamity has been proved accurate and the loss of life and property averted thereby; and
- (d) other preventive measures taken by the Government in this regard?

**ANSWER**

MINISTER FOR MINISTRY OF SCIENCE AND TECHNOLOGY AND  
 MINISTRY OF EARTH SCIENCES (Independent Charge)  
 (DR. JITENDRA SINGH)

- (a) The year wise amount spent on various activities of seismic monitoring and other earthquake hazard related schemes are given below:

S. No.	Year	Amount (Rupee in Lakh)
1	2011-12	1065.00
2	2012-13	333.53
3	2013-14	1353.60
4	2014-15 (April to June 2014)	116.29

- (b) Details of earthquakes which have been detected and located in and around the country (covering the area bounded by 6°-38°N Latitude and 68°-98°E Longitude) by the Seismological Network during the years 2011, 2012, 2013 and current year with their magnitudes are presented in the annexure.

On the basis of available information, the following damage as reported by the States due to earthquakes during 2011-12 to 2013-14, are given below:-

S. No.	Status	Lives lost (No)	Cattle lost (No.)	Houses (No.)
<b>Earthquake of 18<sup>th</sup> September 2011</b>				
1	Sikkim	63	1333	23903
2	West Bengal	11	19	88734
3	Bihar	06	Not Reported	Not Reported
<b>Earthquake of 1<sup>st</sup> May 2013</b>				
4	J & K	3	74	72574

- (c) To date, no proven scientific technique exists, anywhere in the world, to forecast/ predict the occurrence of earthquakes. Nevertheless, efforts are being made world-over including India, to monitor and study various earthquake precursory phenomena in critical seismotectonic regions, which would not only help understand the earthquake generation processes better but also lead to identifying possible earthquake precursors, which may serve as useful predictors in future. As part of this, a National Program on Earthquake Precursors (NPEP) has been initiated as a multi-institutional and multi-disciplinary mechanism to adopt an integrated approach of generation, assimilation and analyses of a variety of earthquake precursory phenomena in critical seismo-tectonic environments in the country in a comprehensive manner. A suite of Multi-Parametric Geophysical Observations are being carried out at Ghuttu (in Himachal Pradesh), Shillong (in Meghalaya) to monitor and study various earthquake precursory phenomenon. The Government has also initiated a major project on drilling a deep bore hole in the seismically active Koyna-Warna region in Maharashtra, to study in detail the ongoing earthquake generation processes in the region.
- (d) Loss of life and damage to property due to earthquakes could be considerably reduced through proper planning and implementation of pre- and post-disaster preparedness and management strategies by respective State and Central Government agencies in a coordinated manner. Guidelines have also been published by the Bureau of Indian Standards (BIS), Building Materials & Technology Promotion Council (BMTPC) and Housing and Urban Development Corporation (HUDCO) etc. for the design and construction of earthquake resistant structures to minimize the loss of life and damage to property caused by earthquakes. These guidelines are in wide circulation amongst the public and the administrative authorities responsible for the design and construction of earthquake resistant structures in earthquake prone areas.

## Annexure/ अनुलग्नक

Year / वर्ष	Mon/ माह	Day/ दिन	Origine Time/ उत्पत्ति का समय			Latitude/ अक्षांश (Deg. N)/ (डिग्री .उ)	Longitude/ देशान्तर (Deg. E)/ (डिग्री. पू)	Depth / गहराई (km.) / (किमी.)	Magnitude/ परिमाण (Richter Scale) / (रिक्टर स्केल)
			Hr/ घंटे	Min/ मिनट	Sec/ सैकेंड				
			(in UTC)/ (यूटीसी में)						
2011	1	1	17	36	11.1	14.38	93.17	33	4.8
2011	1	1	20	17	50.9	36.38	70.49	33	4.5
2011	1	2	3	36	13.1	35.96	68.16	33	5
2011	1	2	6	23	57.5	36.42	68.65	33	4.5
2011	1	3	14	43	30	37.37	69.24	33	4.5
2011	1	3	17	46	5.5	36.6	69.16	33	4.6
2011	1	4	15	1	2.4	36.53	69.18	33	4.1
2011	1	5	22	23	23.2	28.91	76.73	10	2
2011	1	6	20	26	9.3	29.65	77.54	8	2.3
2011	1	6	21	10	59.5	35.13	68.78	33	4.4
2011	1	8	15	10	11.1	23.3	70.35	10	3.1
2011	1	14	19	19	8.8	37.47	71.84	107	4.4
2011	1	16	9	27	27.7	36.72	70.14	33	4.2
2011	1	16	12	50	51.7	28.76	76.98	10	2.3
2011	1	17	7	21	37.4	30.97	78.35	10	2.7
2011	1	18	2	15	43.7	24.85	94.97	33	4.7
2011	1	18	6	47	43	27.74	83.08	10	3.3
2011	1	18	6	47	37.4	26.4	81.8	10	3.3
2011	1	18	23	14	36.7	36.22	70.49	33	4.6
2011	1	20	20	32	15.3	7.63	91.87	33	4.4
2011	1	21	13	46	27.1	29.36	69.18	10	4
2011	1	24	16	36	9.3	34.27	74.71	10	2.9
2011	1	26	3	6	45	29.06	77.21	10	3.2
2011	1	26	20	47	10.5	30.84	78.15	10	3.5
2011	1	27	22	40	5.5	24.27	94.37	55	4.6
2011	1	31	4	11	52.2	35.73	69.88	33	4.3
2011	1	31	5	29	52.5	26.88	75.65	10	2.4
2011	1	31	9	38	40.2	37.08	71.45	33	4.3
2011	2	1	7	11	27.1	24.81	97.78	33	4.8
2011	2	1	8	52	45.5	23.87	91.73	10	3.7
2011	2	1	13	39	43.4	10.54	94.32	10	5.5
2011	2	2	2	31	52.2	36.5	70.76	33	3.8
2011	2	2	13	11	22.6	13.9	92.63	33	4.5
2011	2	3	9	33	24.7	29.03	76.65	16	2.9
2011	2	3	10	16	7.4	28.69	76.61	13	2.4
2011	2	4	13	53	41.2	24.93	94.8	33	6.4
2011	2	4	20	1	58.5	24.81	94.78	33	3.8
2011	2	5	6	11	57.5	30.57	69.51	10	3.4
2011	2	5	13	57	49.2	16.55	74.12	10	3.1
2011	2	6	0	47	23.2	31.39	72.52	10	3.3

2011	2	6	16	16	57.4	31.6	76.43	10	3.2
2011	2	7	14	24	39.2	36.15	82.11	10	4.6
2011	2	7	16	22	41.7	36.42	70.43	96	4.6
2011	2	8	7	23	11.8	22.66	79.8	10	3.5
2011	2	8	14	16	15.3	27.82	76.54	10	2
2011	2	9	4	36	39.7	36.29	73.4	33	4.9
2011	2	10	19	27	21.5	9.28	92.69	33	4.4
2011	2	11	17	9	56.5	36.69	71.89	33	3.8
2011	2	11	18	14	58	13.12	92.33	33	4.4
2011	2	12	10	22	44.5	23.62	90.79	10	4.1
2011	2	12	17	41	28.6	37.19	71.42	33	3.9
2011	2	13	0	12	8.8	14.12	92.78	33	4.5
2011	2	13	16	42	12	22.77	94.35	33	4.4
2011	2	13	17	51	21.1	27.39	86.93	10	4.6
2011	2	14	23	44	27	26.41	96.64	33	4.7
2011	2	16	10	55	24.6	10.62	91.72	10	4.7
2011	2	16	17	25	29.2	32.28	85.35	33	4.1
2011	2	16	18	16	34	36.81	68.9	33	4.8
2011	2	17	9	48	37.2	29.45	81.16	10	3.1
2011	2	18	13	27	0.6	29.04	77.28	5	2
2011	2	18	14	44	15.5	28.6	77.24	5	2.3
2011	2	18	22	36	38.9	36.18	70.41	33	4.4
2011	2	20	19	48	37	37.15	71.98	33	4.1
2011	2	22	10	19	2.5	28.81	76.73	10	2.2
2011	2	22	22	57	21.6	23.9	94.43	66	3.9
2011	2	24	8	28	13.8	19.5	95.05	66	4.7
2011	2	24	21	1	16.2	29.03	76.95	10	2.6
2011	2	25	6	51	52	36.26	69.67	33	3.7
2011	2	26	5	33	31.2	31.06	70.24	10	3.5
2011	2	26	15	40	10.5	27.43	75.72	10	3
2011	2	28	0	55	4	19.89	95.16	96	4.6
2011	2	28	1	52	9	37.33	72.12	33	3.9
2011	2	28	4	44	44.2	36.51	70.04	159	4.5
2011	3	1	10	7	5.5	28.49	76.58	10	2.2
2011	3	1	13	26	39.2	28.44	76.59	10	1.9
2011	3	2	1	23	40.2	37.22	71.45	73	4.5
2011	3	2	12	45	14.5	36.6	70.43	166	4.7
2011	3	5	13	35	44.2	36.31	70.53	40	4.2
2011	3	6	0	18	20.2	23.91	93.97	28	4.4
2011	3	6	10	57	25	36.53	70.71	194	4.3
2011	3	7	18	47	2.7	37.75	72.82	69	4.7
2011	3	8	17	48	33.2	23.02	93.9	89	4.4
2011	3	9	13	57	28.7	8.67	92.34	26	5.2
2011	3	10	4	58	17	24.77	97.82	23	5.4
2011	3	11	11	32	31.7	36.5	69.9	96	5
2011	3	14	9	1	31.2	30.43	79.13	10	3.7
2011	3	15	1	11	32.5	28.87	76.61	18	2.1
2011	3	15	5	0	6.5	36.88	71.24	33	4.6
2011	3	15	9	0	5.3	36.15	69.64	38	4.6

2011	3	16	2	16	55.5	29.74	80.02	10	2.9
2011	3	16	15	23	39.5	37	71.2	96	4.2
2011	3	19	10	21	47.7	36.43	70.91	33	3.8
2011	3	19	12	42	41.5	13.08	92.39	23	4.9
2011	3	19	23	24	5.9	35.87	70.19	83	3.8
2011	3	20	17	31	33.9	22.85	94.47	85	4.7
2011	3	21	1	7	3.7	30.07	69.34	33	3.8
2011	3	21	1	25	35.5	30.06	69.36	15	3.8
2011	3	21	9	48	57.5	36.52	70.57	159	5.8
2011	3	21	12	9	56.4	37.23	71.48	90	4
2011	3	23	0	45	18.5	37.44	71.92	49	4.7
2011	3	23	5	55	52.4	36.38	76.35	87	5
2011	3	25	7	19	25.2	28.98	77.11	17	2.8
2011	3	28	16	57	41.9	27.94	76.57	15	2.2
2011	3	29	13	15	25.2	36.71	71.37	173	4.5
2011	3	30	13	19	38.4	36.26	70.16	33	4
2011	3	30	19	17	0.4	36.38	70.8	33	3.4
2011	4	1	13	50	49.7	36.51	70.5	155	4.8
2011	4	1	14	36	49.5	17.15	73.75	10	3.2
2011	4	2	4	24	50.5	36.54	76.65	87	4.6
2011	4	2	6	38	55.2	37.95	72.62	128	4.6
2011	4	2	14	39	23.1	33.74	72.07	10	3.5
2011	4	4	11	31	40.9	29.58	80.88	9	5.5
2011	4	4	13	42	43	29.51	80.79	10	3.1
2011	4	4	23	47	37.5	28.65	77.6	11	2.8
2011	4	5	1	0	40.2	29.52	81	10	3.2
2011	4	6	3	51	26.2	30.27	79.14	10	2.8
2011	4	6	14	11	59.2	36.63	70.72	77	4.8
2011	4	7	10	34	42	22	94.53	106	4.2
2011	4	8	5	39	36.4	21.65	94.47	27	4.5
2011	4	8	21	18	24.2	30.98	77.97	8	3.4
2011	4	9	3	32	58.4	27	97.34	26	4.3
2011	4	9	15	8	51.9	28.92	77.14	10	2.4
2011	4	10	10	45	35.7	28.69	77.4	8	2.1
2011	4	10	18	43	54.5	29.76	81.03	10	3.2
2011	4	15	12	43	0.1	10.75	91.68	39	4.3
2011	4	15	17	21	17.2	27.63	86.33	10	3.9
2011	4	16	3	42	25.5	18.06	76.62	9	2.5
2011	4	17	3	21	6	36.32	71.06	33	4.3
2011	4	18	1	6	53.9	13.13	93.17	41	4.3
2011	4	18	1	20	2	36.04	70.76	38	4.1
2011	4	18	21	44	3.9	19.99	85.79	10	2.9
2011	4	19	0	14	41.7	31.36	73.38	40	3.4
2011	4	19	3	34	5	24.52	94.36	35	4.4
2011	4	19	13	39	34.5	23.78	92.82	10	3.6
2011	4	20	15	33	21.7	30.83	77.67	10	2.7
2011	4	21	3	42	36.9	36.15	68.46	26	4.4
2011	4	21	14	18	28	36.33	70.16	131	4.6
2011	4	21	19	31	14.3	34.33	78.75	10	3.1

2011	4	21	19	54	11.1	29.58	81.01	28	3.4
2011	4	22	21	35	45.5	36.5	70.42	33	4.4
2011	4	23	13	59	18.2	37.37	71.36	79	4.6
2011	4	23	22	41	35.2	28.37	76.07	10	2.1
2011	4	24	2	22	56.2	29.57	89.12	10	4.2
2011	4	24	21	13	4	34.64	73.32	10	3.4
2011	4	25	0	54	31.2	35.98	71.94	15	5
2011	4	26	8	44	47.5	31.57	77.53	10	2.5
2011	4	26	17	0	33.9	25.33	93.03	38	4.3
2011	4	27	8	33	24.6	28.81	77.36	10	2.5
2011	4	28	7	32	33.7	31.47	77.35	10	2.4
2011	4	28	9	53	2.7	33.15	76.47	10	3.8
2011	4	29	2	39	15.1	25.54	94.79	10	4.4
2011	4	29	11	23	45.5	28.83	77.08	10	2.2
2011	4	29	13	0	10	36.49	70.26	33	3.6
2011	4	29	16	48	29.2	33.03	76.34	9	2.7
2011	5	2	13	46	15	20.44	93.94	14	4.3
2011	5	2	18	51	57	31.07	78.09	10	3
2011	5	2	20	32	1.7	14.45	93.22	38	4.2
2011	5	3	14	38	54.2	23.53	90.73	10	3.9
2011	5	4	12	12	19.2	28.52	76.19	10	2
2011	5	4	20	57	17.6	30.24	80.46	10	4.7
2011	5	4	21	43	19.2	30.25	80.66	10	3.3
2011	5	5	7	15	25.2	31.19	80.7	15	3.1
2011	5	5	13	8	40	30.48	80.2	10	3.2
2011	5	6	15	8	57.4	30.82	80.38	15	3.1
2011	5	6	22	41	6.4	30.72	80.83	10	2.9
2011	5	7	1	47	13.5	23.13	95.15	131	4.7
2011	5	7	9	42	56.7	27.76	76.06	10	2.1
2011	5	8	1	4	56.2	31.08	80.06	10	2.6
2011	5	8	1	26	26.7	30.43	80.46	10	3
2011	5	8	12	32	19.7	30.42	80.22	10	3.2
2011	5	10	18	28	52.7	30.85	80.1	10	2.4
2011	5	10	19	19	55.7	35.47	70.76	33	3.7
2011	5	11	1	12	26.5	36.41	70.34	33	4.2
2011	5	11	1	51	24	30.51	80.38	10	3.1
2011	5	11	17	7	20.5	18.11	76.65	16	2.8
2011	5	11	20	17	23	36.27	70.07	33	4.1
2011	5	12	2	0	12.8	31.82	82.56	10	3.5
2011	5	12	7	40	45.9	33.02	73.66	10	3.1
2011	5	12	22	47	37.2	35.28	69.06	40	3.9
2011	5	13	7	36	11.6	32.44	76.34	10	3.9
2011	5	13	14	40	57.2	31.01	78.25	10	3.2
2011	5	13	18	53	39.2	33.42	75.02	10	3.3
2011	5	13	21	39	23.1	36.71	70.47	182	5
2011	5	14	10	21	29.6	36.71	70.57	193	5
2011	5	14	21	7	16.6	36.81	70.63	170	5.9
2011	5	15	6	48	32.7	34.94	72.54	33	4.5
2011	5	15	7	50	52.5	32.24	71.84	39	3.9

2011	5	17	0	30	34	36.61	70.65	180	5
2011	5	17	16	0	45.2	23.44	70.48	15	3.6
2011	5	18	1	7	25.2	10.43	77.89	10	3.2
2011	5	18	14	21	58.5	33.28	77.55	10	3
2011	5	18	14	33	46	28.59	76.18	10	2.4
2011	5	20	18	52	2.9	33.99	69.78	35	3.4
2011	5	22	7	46	27.2	36.06	78.07	15	4
2011	5	23	14	38	10.6	27.75	76.11	10	2.2
2011	5	24	3	14	18	25.39	92.56	47	4.1
2011	5	24	5	18	29	28.5	76.49	15	2.9
2011	5	25	15	31	2	30.5	80.03	10	2.8
2011	5	25	15	36	54.9	30.38	69.91	10	3.5
2011	5	29	0	5	39.5	28.08	76.49	11	3.5
2011	5	30	3	45	3.7	32.05	69.54	40	4.3
2011	5	31	18	45	6	24.51	94.93	33	4.4
2011	6	1	12	0	13.3	29.06	76.97	14	2.2
2011	6	2	0	17	22.7	27.84	75.79	9	2.1
2011	6	2	19	50	30.5	27.79	74.84	10	2.3
2011	6	3	0	53	23.2	27.54	87.92	9	5
2011	6	3	2	28	21.7	34.87	72.23	14	4
2011	6	3	7	27	9.6	9.76	92.63	15	5.9
2011	6	3	12	8	30.7	7.7	91.91	23	4.5
2011	6	4	6	29	52.9	34.65	69.21	37	4.6
2011	6	4	12	1	14.8	34.23	69.11	20	4.2
2011	6	7	1	16	0.4	36.97	70.94	56	4.5
2011	6	7	9	8	30.1	31.89	72.33	10	4.5
2011	6	8	14	51	2	29.18	76.15	17	2.5
2011	6	8	16	6	15.6	37.92	73.38	10	3.6
2011	6	9	7	34	23.7	23.82	89.72	10	4.3
2011	6	9	9	51	2	14.21	93	24	4.7
2011	6	10	1	33	57.2	36.22	71.18	17	4.2
2011	6	10	2	37	56	36.57	72.79	39	4.5
2011	6	10	9	11	49.2	28.96	76.78	10	2.3
2011	6	11	2	59	2.2	30.61	80.62	10	3
2011	6	13	2	15	16	36.3	70.36	22	4.4
2011	6	14	18	13	33	33.03	76.61	10	2.5
2011	6	15	0	59	31.2	30.45	79.97	10	3.1
2011	6	18	10	3	53	13.71	92.67	27	4.6
2011	6	20	2	59	5.3	37.37	71.84	35	3.9
2011	6	20	6	27	18.7	30.41	79.36	11	4.9
2011	6	20	23	51	35.7	12.09	77.96	10	2.8
2011	6	21	2	4	5.5	35.75	75.18	47	4.6
2011	6	21	2	55	37.2	12.07	78.16	10	3.1
2011	6	22	11	56	1.2	33.49	88.93	35	4.7
2011	6	22	15	48	25.2	33.8	89.17	10	4.5
2011	6	23	11	6	35.2	25.65	94.89	20	4.1
2011	6	23	12	39	36	23.82	91.56	16	4.4
2011	6	23	18	23	4	27.95	75.86	18	2.5
2011	6	23	20	23	17.2	29.17	77.51	10	2.3

2011	6	23	22	13	45.9	30.02	80.54	10	3.2
2011	6	25	23	40	37.5	23.97	94.28	81	4.6
2011	6	26	7	48	11.3	32.73	96.27	29	5.2
2011	6	26	10	20	36.2	36.02	69.35	39	3.4
2011	6	29	13	58	45	36.63	70.44	33	3.4
2011	7	2	11	1	5.5	30.94	78.22	10	2.5
2011	7	2	11	22	51.7	31.13	78.31	9	2.6
2011	7	3	3	51	41.7	32.95	75.5	13	3.7
2011	7	4	9	43	55.7	29.9	79.69	16	3.4
2011	7	5	12	42	9	35.94	70.3	33	4.4
2011	7	5	20	22	34.9	26.95	97.38	17	3.5
2011	7	7	16	49	36	29.33	94.37	10	3.8
2011	7	10	0	26	36.2	34.28	78.66	10	2.7
2011	7	10	0	40	24.2	20.98	93.71	23	4.9
2011	7	11	7	58	11.8	29.12	76.58	15	2.1
2011	7	12	1	41	4.5	29.52	80.53	10	3
2011	7	12	1	44	29.6	29.56	80.49	10	2.4
2011	7	12	7	17	15	26.4	93.26	38	3.9
2011	7	12	14	46	11.1	34.37	73.01	10	4.2
2011	7	13	7	8	8	36.2	71.06	15	3.8
2011	7	13	21	55	42	30.43	75.48	10	2.2
2011	7	14	3	22	58.2	25.42	93.8	10	3.8
2011	7	14	15	17	38	17.18	73.41	10	3.3
2011	7	16	9	36	47.5	9.6	92.54	35	4.6
2011	7	18	19	58	4.9	31.09	69.54	10	4.3
2011	7	19	5	17	58	33.62	71.95	15	3.6
2011	7	20	2	36	16.7	37.09	70.55	15	3.6
2011	7	20	19	42	2.7	28.9	94.67	10	4.6
2011	7	20	20	21	15.6	28.48	76.87	10	2.1
2011	7	20	22	7	33.5	36.31	69.44	33	4.5
2011	7	22	0	58	51.4	24.73	92	16	3.9
2011	7	26	7	39	16.7	9.55	76.37	10	3.7
2011	7	26	8	45	55.2	9.6	76.48	10	3.2
2011	7	26	21	24	3.9	30.33	78.99	10	2.6
2011	7	27	3	17	13	36.25	69.16	138	4.6
2011	7	27	7	14	23.2	36.35	70.8	98	4.7
2011	7	27	20	49	14.6	27.46	76.95	10	2.1
2011	7	28	3	56	44.9	27.54	72.94	10	2.8
2011	7	28	15	30	32.7	30.48	75.75	10	2.1
2011	7	28	17	53	38.2	25.23	88.65	15	4.5
2011	7	28	18	42	33	33.53	75.82	33	4.5
2011	7	28	22	58	33.9	33.47	75.64	10	2.8
2011	7	29	22	22	49.7	33.38	75.68	10	2.9
2011	8	1	0	26	14.5	24.5	93.82	38	3.8
2011	8	1	10	12	7.5	35.8	69.31	35	3.8
2011	8	1	19	40	56.2	33.54	87.61	20	5
2011	8	3	20	37	39.4	36.64	69.13	30	4.2
2011	8	4	19	0	40.2	28.91	76.63	15	2.5
2011	8	5	1	24	35	32.96	75.52	17	2.9



2011	8	5	6	21	11.6	24.34	94.44	30	3.5
2011	8	5	16	23	43.5	24.77	95.04	115	4.2
2011	8	6	8	57	38.7	36.6	71.15	89	4.6
2011	8	6	17	24	53	23.17	79.99	12	2.6
2011	8	6	20	17	40	26.39	93.1	36	3
2011	8	8	17	5	44.4	36.04	70	36	3.9
2011	8	8	17	53	20.6	36.93	70.85	82	4.9
2011	8	8	18	54	40	22.75	93.92	10	3.7
2011	8	9	3	33	46.7	22.8	86.71	10	3.5
2011	8	10	17	35	4.4	26.99	91.13	10	2.9
2011	8	11	17	6	14.6	37.65	95.63	10	5
2011	8	11	20	22	32.5	37.78	73.29	20	3.6
2011	8	11	21	1	18.2	26.2	92.16	10	3.5
2011	8	11	22	1	28.5	29.96	86.86	31	4.1
2011	8	12	2	28	23.1	36.16	69.95	114	4.1
2011	8	12	6	6	29.5	11.2	79.25	12	3.5
2011	8	13	2	59	14.6	23.38	70.4	10	4.3
2011	8	13	22	53	37.4	32.94	76.51	10	3.1
2011	8	14	0	14	51	32.28	76.62	8	2.6
2011	8	14	2	3	51.9	33.04	76.51	10	2.9
2011	8	14	2	25	39.5	33.09	76.61	10	2.9
2011	8	14	4	30	34	32.85	76.92	15	2.5
2011	8	14	5	30	7.4	34.74	71.85	15	3.5
2011	8	15	13	14	43.2	24.72	94.63	81	4.3
2011	8	15	16	48	9.3	27.39	86.33	35	4
2011	8	15	18	22	33.7	29.07	76.67	10	2.3
2011	8	17	23	51	55.4	36.76	68.53	35	5.3
2011	8	19	1	52	8.8	29.58	81.58	10	3.9
2011	8	19	23	49	8.8	36.73	68.91	35	4.8
2011	8	20	14	5	53.5	24.24	93.54	64	3.5
2011	8	21	0	57	51.2	30.57	70.25	10	4
2011	8	22	19	14	28.2	36.65	70.35	165	4.8
2011	8	23	1	22	54.2	33.18	76.88	10	4.6
2011	8	23	14	28	53.7	36.41	70.88	90	4.8
2011	8	23	20	14	3.7	28.64	76.99	10	2.5
2011	8	24	13	6	38.9	36.39	71.31	33	3.9
2011	8	26	20	32	36.2	36.54	70.47	151	5.5
2011	8	26	21	0	14.1	36.11	70.64	38	4.3
2011	8	27	20	16	10.8	28.92	76.59	10	2
2011	8	27	20	44	28.2	28.61	77	10	2
2011	8	28	4	40	41.9	26.52	96.67	79	4.6
2011	8	28	8	1	49.7	25.72	70.08	10	3.5
2011	8	28	8	54	3.5	30.82	78.54	10	2.8
2011	8	28	16	0	30.7	33.36	76.94	15	2.5
2011	8	29	9	27	22.6	27.62	75.54	9	2.1
2011	8	29	15	41	7.5	12.61	78.89	13	3.1
2011	9	1	2	31	32	37.87	73.33	33	4.3
2011	9	1	11	42	10.6	36.27	71.1	30	3.9
2011	9	2	6	13	17.1	28.95	76.69	10	2

2011	9	4	13	53	22.2	36	71.64	15	4.1
2011	9	4	18	22	55.7	26.06	92.33	10	3.1
2011	9	4	20	52	51.5	25.15	94.27	32	4.2
2011	9	5	20	46	33.9	32.8	70.31	10	3.8
2011	9	7	0	33	19.7	26.07	91.18	15	3.7
2011	9	7	0	55	30.2	31.31	76.37	10	3.4
2011	9	7	17	58	18.6	28.63	77.11	10	3.8
2011	9	8	23	46	11	26.45	95.98	10	3.9
2011	9	9	10	26	44.4	28.64	77.22	8	1.8
2011	9	9	14	27	47.2	19.6	73.04	10	2.2
2011	9	10	15	45	54	26.36	95.46	20	3.8
2011	9	10	20	59	32.7	25.2	92.16	10	2.7
2011	9	11	14	33	47	23.15	70.15	15	3.5
2011	9	11	20	58	45.4	36.51	70.17	20	4.1
2011	9	11	21	41	54.5	28.64	77.18	12	2
2011	9	12	10	39	8.6	33.33	76.02	20	2.9
2011	9	14	11	26	13.3	36.63	70.22	182	4.7
2011	9	14	23	28	32.7	28.63	77.13	8	2.1
2011	9	15	15	27	13.6	35.56	82.61	39	5.2
2011	9	15	22	3	34.4	36.37	70.29	121	4.3
2011	9	16	13	31	13.6	24.28	94.56	84	4.2
2011	9	16	21	57	3.2	36.63	77.77	33	3.6
2011	9	17	8	39	41	27.73	92.74	10	3.5
2011	9	17	15	28	33.9	36.12	69.74	33	4.2
2011	9	18	12	40	46.9	27.85	88.06	45	6.9
2011	9	18	13	5	48.5	36.14	70.01	33	4.3
2011	9	18	13	11	59.2	27.6	88.44	15	4.9
2011	9	18	13	26	40.4	27.33	88.9	26	3.4
2011	9	18	13	30	4	27.33	88.96	11	3.5
2011	9	18	13	54	14.8	27.48	88.32	37	4.7
2011	9	18	14	54	45	27.57	88.46	39	3.5
2011	9	18	14	58	34	26.97	88.04	19	3.2
2011	9	18	17	18	18.2	27.09	88.32	25	3.3
2011	9	18	19	17	30.2	27.64	88.75	30	3.7
2011	9	18	19	20	55.5	25.58	91.11	14	3.9
2011	9	18	19	27	44	27.2	88.89	13	3.7
2011	9	18	21	51	53.5	27.23	88.93	10	4.1
2011	9	19	0	52	4.5	18.02	76.6	10	3.9
2011	9	19	2	38	15.1	28.06	88.57	20	3.3
2011	9	19	4	35	13.8	27.88	88.62	23	3.6
2011	9	19	16	28	27.2	27.51	88.93	25	3.3
2011	9	20	0	22	37.9	27.29	88.23	19	3.2
2011	9	20	8	51	25.5	27.92	88.31	43	3.8
2011	9	20	8	55	23.1	34.82	70.04	39	4.6
2011	9	20	19	35	26.2	27.41	88.97	13	3
2011	9	21	1	15	7.9	27.86	88.74	20	3.2
2011	9	21	2	24	36.5	30.89	78.35	10	3.1
2011	9	21	12	20	39.5	28.02	87.92	30	3.3
2011	9	21	21	21	41.2	28	88.46	25	3.1

2011	9	22	14	17	36.5	23.76	94.81	142	4.8
2011	9	22	16	44	39.2	27.55	88.32	51	3.9
2011	9	23	13	23	16.1	24.37	93.96	10	4.2
2011	9	24	14	32	19.2	30.88	78.37	10	3
2011	9	24	15	21	34.2	34.19	75.16	30	4.3
2011	9	25	10	6	33.5	33	75.96	10	3.3
2011	9	25	11	7	52.2	32.46	77.23	15	2.7
2011	9	26	21	17	18.2	31	79.06	10	2.7
2011	9	26	22	24	3.9	27.23	88.64	10	3
2011	9	27	11	2	59.2	36.65	76.95	82	5
2011	9	28	14	40	2.2	13.96	92.64	10	4.3
2011	9	28	15	54	1.2	32.73	76.74	12	2.7
2011	9	29	22	33	23.6	30.82	78.33	20	2.9
2011	10	1	4	22	13.3	12.96	95.87	19	5.2
2011	10	1	4	26	6	29.86	82.4	10	3.8
2011	10	1	12	48	56.4	13.08	95.84	10	5
2011	10	2	11	29	40.5	28.06	80.29	10	2.7
2011	10	3	4	35	4	13.06	95.61	43	4.7
2011	10	3	10	52	31.5	27.47	88.86	21	3.4
2011	10	4	5	36	35.5	37.64	72.03	33	4
2011	10	4	5	51	50.5	36.79	68.52	15	4.6
2011	10	5	14	40	54.4	37.81	87.01	18	4.9
2011	10	7	3	29	32	27.93	88.1	34	3.6
2011	10	7	11	17	25.7	34.71	72.9	15	4.2
2011	10	7	20	59	2	36.05	70.96	33	3.5
2011	10	8	3	0	40.9	24.43	93.57	13	3.1
2011	10	8	23	2	3.5	31.23	77.79	11	2.5
2011	10	9	7	34	51.7	29.94	80.75	10	3.2
2011	10	9	8	22	22.1	28.15	87.71	37	3.6
2011	10	10	22	54	17.7	35.83	69.97	33	4.6
2011	10	11	6	34	28.2	28.33	94.06	29	3.6
2011	10	11	13	40	26.2	13.87	94.09	39	4.8
2011	10	12	4	23	7.9	26.94	92.68	29	3.3
2011	10	12	10	27	25.2	28.1	75.97	13	3.5
2011	10	13	10	43	15	26.99	87.94	15	3.4
2011	10	13	18	57	31.7	31.77	71.56	37	4.1
2011	10	13	19	32	52	24.08	91.49	10	3.5
2011	10	14	15	6	26.5	27.2	95.65	34	3.4
2011	10	14	17	40	41.2	36.03	70.6	66	4.1
2011	10	14	19	58	9.6	36.01	70.09	33	4
2011	10	15	10	49	13.3	23.61	86.86	15	3
2011	10	15	10	50	59.5	23.68	86.97	10	2.9
2011	10	16	0	31	2.2	35.9	76.42	18	4.3
2011	10	16	0	53	49.2	23.53	93.65	30	3.4
2011	10	16	1	13	51	36.75	71.28	33	3.5
2011	10	16	6	33	34.7	31.34	77.29	10	2.8
2011	10	17	9	51	48.7	31.31	68.64	10	3.7
2011	10	17	13	4	51.5	27.29	88.77	12	3.4
2011	10	18	0	40	5.4	34.76	75.28	15	3.4

2011	10	19	13	31	44.7	34.57	69.2	39	4.4
2011	10	19	18	53	45.4	16.54	79.11	10	3.6
2011	10	20	17	18	32.7	21.17	70.5	10	5.2
2011	10	20	20	52	40.5	35.03	81.69	10	4.8
2011	10	21	2	49	40.5	27.36	88.58	10	3
2011	10	21	3	7	8.1	21.12	70.54	10	3.8
2011	10	21	7	20	51	35.89	70.56	33	4.2
2011	10	21	8	29	26.7	27.07	91.43	10	4.1
2011	10	21	14	40	35	24.87	94.08	33	4.5
2011	10	21	16	12	17.2	35.54	82.52	10	3.4
2011	10	21	18	15	24.6	29.51	77.7	13	2.7
2011	10	22	4	31	32.9	29.85	81.86	15	3.5
2011	10	22	20	41	21.7	29.1	75.9	15	2.6
2011	10	22	21	7	40.9	33.17	76.05	26	3.8
2011	10	22	21	12	16.5	32.98	75.55	9	2.9
2011	10	22	21	15	0.4	33.15	75.41	17	3.4
2011	10	22	23	32	1	26.36	96.08	11	3.4
2011	10	23	1	28	52	36.81	69.17	42	4.2
2011	10	23	10	47	3.9	26.98	88.36	8	3.4
2011	10	24	19	7	23.7	25.64	93.97	19	3.1
2011	10	26	11	21	2.2	28.14	76.93	10	2
2011	10	26	16	17	34.5	31.47	76.88	10	3.5
2011	10	27	10	4	52.9	32.72	72.12	15	3.9
2011	10	28	5	3	53.4	30.67	80.04	10	3.1
2011	10	28	10	28	49	28.52	77.67	10	2
2011	10	28	11	13	33.4	27.91	77.48	10	2.4
2011	10	29	0	43	39.2	27.42	88.38	23	3.5
2011	10	29	9	3	7.5	27.55	88.56	15	2.6
2011	10	29	10	17	58.2	27.39	88.2	13	2.7
2011	10	29	13	50	34.9	27.52	75.97	10	2.1
2011	10	30	13	36	29.2	30.58	80.22	15	2.9
2011	10	30	13	38	53.7	26.94	92.25	27	3.6
2011	10	30	15	10	28	27.59	88.42	18	2.9
2011	10	31	2	11	47.5	36.39	70.5	183	4.7
2011	10	31	20	6	7	26.02	92.54	58	2.8
2011	11	1	6	56	57	26.96	92.1	10	2.9
2011	11	1	16	41	46.9	23.6	93.98	21	3.6
2011	11	2	15	45	33	30.23	78.87	10	2.5
2011	11	3	11	34	14.3	36.43	70.76	77	4.8
2011	11	3	19	37	21	29.69	80.6	10	3.4
2011	11	4	4	26	50.4	28.91	76.72	10	2.5
2011	11	4	5	32	4	33.64	75.42	10	3.2
2011	11	4	10	14	43.7	24.92	95.58	146	4.6
2011	11	4	15	52	54.4	28.92	77.02	15	2.6
2011	11	4	22	20	53.2	35.74	75.62	10	3.8
2011	11	5	2	32	12.5	21.5	85.57	21	3.9
2011	11	5	4	45	5.4	24.5	90.28	30	3.5
2011	11	6	18	34	39.7	30.36	80.55	10	3.8
2011	11	7	9	52	21.1	36.45	70.4	30	4.3

2011	11	7	11	59	26.5	36.66	70.77	183	5.7
2011	11	8	12	41	29.5	26.43	90.56	15	3.7
2011	11	8	13	37	30.7	24.8	94.26	37	3.7
2011	11	8	15	45	18.7	27.19	92.35	30	2.9
2011	11	8	23	23	11.1	27.36	91.36	20	3.3
2011	11	9	15	21	47.5	20.37	82.5	10	2.6
2011	11	10	9	57	30.7	26.79	89.46	18	4
2011	11	11	1	20	40.7	26.03	95.66	15	3.5
2011	11	11	1	45	36.7	35.39	72.99	10	4.3
2011	11	11	3	44	48.5	36.72	71.64	33	4.3
2011	11	11	9	57	31.7	26.71	89.28	10	3.9
2011	11	11	17	47	18.2	29.16	89.65	10	3.1
2011	11	12	7	1	52.2	21.15	70.51	10	4.3
2011	11	12	23	46	52.7	28.1	84.92	10	4.1
2011	11	15	6	49	10.6	26.3	93	17	3.6
2011	11	15	10	18	42	11.29	93.67	117	4.6
2011	11	15	16	59	32	10.95	77.53	10	2.8
2011	11	18	0	15	35.5	9.88	77.04	15	3
2011	11	18	7	31	34.2	37.32	71.51	20	4.6
2011	11	18	9	50	31.5	30.26	79.37	15	3.1
2011	11	20	10	29	14.6	30.65	78.66	15	2.8
2011	11	21	3	15	42	24.95	95.15	113	5.8
2011	11	21	9	56	1.7	29.11	76.83	19	2.8
2011	11	21	17	5	29.1	27.53	93.9	15	2.5
2011	11	21	17	19	4.4	25.2	93.92	10	2.3
2011	11	23	1	56	21	36.01	71.12	37	4.1
2011	11	24	19	9	20.5	28.7	77.15	11	2.5
2011	11	24	20	38	13.8	33.65	68.56	10	4.2
2011	11	25	21	44	57.9	9.71	76.85	10	3.3
2011	11	26	17	50	11.8	27.44	91.34	15	3.3
2011	11	26	18	34	51.4	16.82	77.53	10	3.1
2011	11	26	18	51	22.5	29.36	69.9	18	4.3
2011	11	27	9	36	57	28.61	76.75	10	2.1
2011	11	27	13	38	17.2	29.88	77.85	10	2.9
2011	11	27	22	42	1.1	36.14	69.97	30	4.5
2011	11	28	15	6	49.5	25.05	97.84	45	5.2
2011	11	29	13	37	17.5	21.38	94.16	20	4.9
2011	11	30	3	33	24.2	26.4	92.98	36	3.3
2011	11	30	19	42	37.5	7.97	93.92	27	5.5
2011	11	30	19	49	3	7.69	94	22	5.1
2011	12	1	3	50	59	31.56	83.89	10	5
2011	12	2	9	14	55.7	23.61	93.16	15	2.9
2011	12	2	12	14	30	36.24	70.05	33	4
2011	12	2	19	37	41.9	7.4	94.31	38	5.3
2011	12	3	12	48	18.7	27.83	76.85	10	2.3
2011	12	5	5	59	11.1	12.63	93.15	53	4.4
2011	12	5	16	10	29.7	37.52	71.58	92	4.5
2011	12	5	18	55	38	32.99	92.88	17	4.6
2011	12	6	1	22	30.6	12.36	91.65	24	4.7

2011	12	7	3	7	48.2	35.92	70.61	33	4.5
2011	12	7	6	10	44.2	12.61	93.83	82	4.2
2011	12	7	15	46	26.7	25.29	94.06	25	3
2011	12	8	1	2	27.7	32.05	75.46	19	2.7
2011	12	8	1	7	18.2	36.64	70.34	33	3.9
2011	12	8	1	48	34.4	28.61	77.11	10	2.6
2011	12	8	19	43	7.3	28.69	76.87	10	2.2
2011	12	9	4	40	47.5	27.81	76.6	10	2.2
2011	12	9	22	56	58	27.97	88.15	33	3.7
2011	12	11	6	47	21.2	28.3	77.64	10	2.3
2011	12	11	12	17	5	25.62	90.76	15	3.1
2011	12	12	4	45	42.9	25.33	95.17	22	4
2011	12	12	7	16	10.8	27.32	92.55	10	3.5
2011	12	12	11	25	13.8	32.24	69.61	30	4
2011	12	12	15	2	18.7	36.25	70.68	102	4.8
2011	12	12	19	36	59	32.14	78.34	14	3.4
2011	12	13	1	26	43	27.35	88.54	10	3.2
2011	12	13	10	57	30.2	27.79	76.97	10	2.1
2011	12	13	15	9	12	25.2	91.5	17	3.5
2011	12	14	10	0	7.5	36.17	73.52	33	4.1
2011	12	14	20	20	53.5	27.65	88.08	11	4.1
2011	12	14	23	55	26.2	30.49	79.34	10	3.2
2011	12	15	13	26	45.2	25.76	94.12	11	3.4
2011	12	15	20	27	11.3	25.81	91.19	12	2.9
2011	12	16	15	12	41.5	7.85	94.29	30	4.8
2011	12	16	15	47	25.1	7.62	94.13	45	5
2011	12	18	12	28	10.6	36.43	71.65	15	4.6
2011	12	18	17	48	43.5	36.42	71.25	33	4
2011	12	18	19	5	34.7	24.02	94.41	33	3.5
2011	12	18	21	35	23.6	28.06	88.24	15	3.7
2011	12	21	4	23	9.8	26.32	95.51	26	3.8
2011	12	21	13	29	43	25.09	91.62	29	2.6
2011	12	21	13	59	37.5	36.89	70.68	143	5.2
2011	12	22	1	38	59	37.17	71.75	77	4.3
2011	12	22	23	42	59.9	31.64	86.37	35	4.6
2011	12	23	11	45	8.1	16.86	84.29	10	3.2
2011	12	23	12	2	1.7	28.84	68.2	14	5.1
2011	12	26	8	35	41.7	36.56	70.79	158	4.9
2011	12	27	3	25	51.2	7.01	93.07	37	5.1
2011	12	28	19	19	10.6	36.68	70.02	185	4.8
2011	12	30	15	14	0.6	26.39	92.77	36	3.6

Year / वर्ष	Mon/ माह	Day/ दिन	Origine Time/ उत्पत्ति का समय			Latitude/ अक्षांश (Deg. N)/ (डिग्री .उ)	Longitude/ देशान्तर (Deg. E)/ (डिग्री. पू)	Depth / गहराई	Magnitude/ परिमाण
			Hr/ घंटे	Min/ मिनट	Sec/ सैकेंड				
			(in UTC)/ (यूटीसी में)						
2012	1	1	2	35	19.6	23.5	91.8	15	4.4

2012	1	2	15	18	17.2	34.37	75.04	15	3.4
2012	1	3	12	13	56.7	33.83	76.2	30	2.9
2012	1	3	17	32	31.2	8.14	92.14	12	4.7
2012	1	3	20	36	52	35.71	77.42	33	3.9
2012	1	4	16	31	22.1	33.69	74.63	15	4.2
2012	1	4	21	50	37.7	19.73	72.9	10	2.8
2012	1	5	11	13	15.8	36.3	71.74	33	4.1
2012	1	6	5	28	47.7	25.32	96.99	15	4.2
2012	1	7	15	33	7.5	29.76	79.95	10	2.7
2012	1	8	1	16	55.7	35.85	69.93	93	4.1
2012	1	9	10	41	11.3	30.22	80.23	10	3.1
2012	1	10	12	53	31.5	25.32	93.98	10	3.3
2012	1	11	8	59	39.9	29	82.32	37	3.4
2012	1	11	13	7	16	27.42	95.68	13	3.2
2012	1	11	19	23	50	31.95	77	10	3
2012	1	11	22	23	18.6	25.15	94.77	15	4.5
2012	1	13	1	26	12.8	30.3	80.56	10	3.6
2012	1	13	21	25	6.5	36.62	71.02	93	4.3
2012	1	13	22	49	55.7	36.16	70.22	81	5.1
2012	1	14	19	41	54	24.24	94.34	35	3.1
2012	1	15	21	58	48.7	35.77	69.76	33	4.1
2012	1	16	5	1	21.2	29.72	78.9	10	3.6
2012	1	16	20	5	13.1	26.34	96.64	33	3.2
2012	1	19	0	46	49.7	29.47	82.09	10	4
2012	1	19	21	33	8.8	36.03	69.34	33	4.2
2012	1	20	21	28	54.7	10.81	91.82	14	4.1
2012	1	22	4	38	22.2	28.79	76.78	14	3
2012	1	28	23	24	52.5	28.82	76.75	15	3.7
2012	1	29	0	6	16	36.49	71.23	98	4.1
2012	1	29	21	37	5.5	28.84	76.75	10	3.2
2012	1	30	20	17	0.5	24.52	94.58	30	3.3
2012	1	30	22	58	4	7.31	93.85	47	4.5
2012	2	1	4	40	48.4	27.05	75.46	10	2.2
2012	2	1	23	40	33	23.26	92.72	23	3.4
2012	2	2	11	29	13.1	10.2	84.24	30	4.1
2012	2	3	0	58	2.2	35.63	70.63	33	4.3
2012	2	3	23	32	11.1	36.37	71.04	105	4.5
2012	2	4	16	23	25.5	31.49	77.67	10	2.4
2012	2	4	19	22	24.2	36.26	69.96	63	4.6
2012	2	4	19	40	21.2	24.69	94.95	33	3
2012	2	5	2	45	53.9	31.98	74.86	10	3
2012	2	5	3	16	17.1	23.41	93.99	15	3.8
2012	2	8	15	4	26.1	26.26	96.04	10	3.6
2012	2	8	19	22	34.5	14.23	80.18	8	3.4
2012	2	9	19	17	32	30.94	78.31	10	5
2012	2	10	15	16	51.7	26.13	94.18	10	3.2
2012	2	10	15	45	14.1	26.08	94.19	10	4.3
2012	2	11	17	9	31	27.02	92.62	13	3.2
2012	2	12	6	40	23.1	29.45	80.37	10	2.8

2012	2	12	12	7	30.7	36.39	71.02	30	3.7
2012	2	12	13	57	9.1	22.24	94.49	10	3.5
2012	2	12	22	20	1.5	28.75	76.82	16	2.6
2012	2	14	1	47	21.7	17.44	80.61	10	2.9
2012	2	14	7	0	11.1	10.4	92.96	20	4.1
2012	2	14	13	48	42.7	27.34	88.15	10	3.6
2012	2	15	6	26	53.7	28.7	76.81	16	2.6
2012	2	15	18	31	57.9	6.51	92.49	12	5
2012	2	16	4	7	16.1	36.13	70.07	113	4.8
2012	2	17	11	38	47.9	22.93	94.2	15	3.4
2012	2	17	15	44	18	32.67	83.29	22	5
2012	2	18	8	46	45.7	32.31	70.58	30	4.6
2012	2	18	18	54	56.2	25.02	95.18	16	3.6
2012	2	20	13	52	35	35.86	79.7	10	4.5
2012	2	20	13	59	24	35.8	79.89	15	4.9
2012	2	20	14	18	3.9	35.82	79.95	10	5.1
2012	2	20	18	8	30	23.32	94.13	10	2.8
2012	2	21	18	56	28.6	26.36	92.4	15	2.3
2012	2	21	19	55	43.7	36.67	76.99	30	4
2012	2	22	12	58	43	26.96	92.61	18	3.4
2012	2	25	8	45	57.7	26.37	88.93	19	3.8
2012	2	26	10	39	23.7	26.31	89.09	20	3.2
2012	2	26	15	55	31.2	24.69	93.75	65	4.4
2012	2	26	23	8	45.9	29.42	80.9	11	4.3
2012	2	27	15	53	34.5	25.74	95.45	30	2.9
2012	2	28	7	19	29.7	36.35	69.69	33	4
2012	2	28	20	55	44.5	24.05	94.61	33	4.5
2012	3	1	17	25	47.7	27.4	91.33	10	3.7
2012	3	1	17	52	44.4	13.04	92.57	38	4.7
2012	3	2	0	55	45	23.36	94.09	10	3.1
2012	3	2	12	11	32.7	7.31	94.15	76	4.8
2012	3	3	1	19	30.2	23	93.79	25	3.2
2012	3	3	3	52	10.5	36.18	70.23	119	4.4
2012	3	4	4	55	6.4	24.7	93.35	29	3.1
2012	3	4	21	21	35.9	25.68	91.07	15	3.4
2012	3	5	7	41	4	28.7	76.59	14	5.1
2012	3	6	2	52	40.2	8.34	93.79	17	5.5
2012	3	6	2	59	25.7	8.46	93.91	30	5
2012	3	7	13	18	18.7	32.13	78.14	10	3.8
2012	3	10	18	6	32.7	8.5	93.8	10	2.9
2012	3	11	10	4	56.7	28.19	76.46	11	2.5
2012	3	12	6	6	40	36.83	72.75	13	5.7
2012	3	12	6	21	27.6	36.56	72.88	10	4.6
2012	3	12	8	26	6.3	36.78	72.67	10	4.7
2012	3	12	12	59	4.5	37.04	72.89	66	4.4
2012	3	12	22	7	21.7	29.04	76.97	10	3.6
2012	3	14	17	1	43	10.38	94.28	47	4.7
2012	3	14	18	25	1.2	27.26	91.17	10	3.4
2012	3	15	8	18	36.4	36.47	70.6	172	4.5



2012	3	15	9	22	11.3	36.91	72.85	10	4.2
2012	3	15	14	39	7.3	10.66	93.91	33	4.1
2012	3	15	14	55	57	10.4	94.05	35	4.6
2012	3	15	17	3	32.2	36.65	71.59	90	4.6
2012	3	16	7	7	19.2	10.44	94.12	35	4.7
2012	3	18	2	56	11.5	23.72	90.25	44	4.5
2012	3	18	17	23	57.7	24.94	92.3	30	3.6
2012	3	19	20	36	22	28.93	82.31	10	4.1
2012	3	20	10	18	49.7	9.59	93.39	15	4.9
2012	3	21	14	50	35.7	21.42	72.31	10	2.5
2012	3	22	12	54	22.7	36.15	68.18	10	4.3
2012	3	23	7	48	23.5	36.72	70.61	180	4.4
2012	3	24	7	45	17.5	28.52	76.75	18	3
2012	3	25	0	39	22.7	23.52	93.81	30	3.6
2012	3	25	5	46	53.2	25.82	92.9	15	3.2
2012	3	25	9	31	5	27.66	92.75	10	3.4
2012	3	25	10	6	16.7	33.82	89.49	10	4.4
2012	3	25	12	38	52.2	36.19	70.61	90	4.6
2012	3	27	4	49	27.2	11.24	78.58	11	3.6
2012	3	27	21	55	1.2	32.69	95.04	11	4.2
2012	3	27	23	40	12.6	26.12	87.79	27	5
2012	3	28	18	26	22.2	32.67	89.02	33	4.2
2012	3	29	0	23	22	21.64	94.39	14	4.5
2012	3	30	21	21	48.7	22.98	94.08	22	3.1
2012	3	31	4	16	51	36.75	71.08	199	5.2
2012	4	1	4	50	14.8	37.83	71.84	30	4
2012	4	1	11	44	8.6	27.09	95.32	10	3.4
2012	4	1	19	25	8.3	25.53	95.22	30	3.1
2012	4	2	15	30	7.4	37.45	71.64	79	4.8
2012	4	4	1	10	26.7	28.76	76.84	18	2.4
2012	4	5	5	45	34.5	37.02	71.44	117	4.4
2012	4	5	22	9	52.2	25.67	95.32	30	4.1
2012	4	6	5	5	6	36.41	70.71	33	4.1
2012	4	9	18	25	36.2	37.08	71.69	33	3.7
2012	4	9	21	4	17.7	23.99	94.29	31	3
2012	4	10	0	52	18.2	31.24	77.08	13	3.7
2012	4	10	8	8	36.5	34.59	82.48	34	4.5
2012	4	10	8	25	44.5	34.57	83.64	35	4
2012	4	10	19	7	7.5	21.69	94.08	20	3.9
2012	4	11	7	0	49.2	18.56	71.35	19	3.5
2012	4	12	14	47	25.1	27.26	92.19	10	3.4
2012	4	13	10	11	54.4	25.33	94.88	85	4.5
2012	4	14	3	22	58.7	23.08	70.54	10	4
2012	4	14	3	44	2.7	23.97	93.94	21	3.3
2012	4	14	5	27	41.2	17.4	73.81	12	4.9
2012	4	14	6	17	19.2	17.3	73.71	15	4
2012	4	14	16	5	30.2	24.97	91.18	12	3
2012	4	15	2	57	34.4	37.8	71.81	50	4.9
2012	4	16	1	45	20.1	10.52	92.93	35	4.3

2012	4	17	15	15	53	36.68	69.8	186	4.8
2012	4	17	21	6	7.5	24.68	94.58	30	2.9
2012	4	19	19	36	50.2	23.12	93.71	17	2.6
2012	4	19	19	57	20.7	25.96	90.55	12	2.6
2012	4	19	21	5	51.5	25.48	90.68	12	2.8
2012	4	20	10	35	1.2	25.09	92.24	16	3.5
2012	4	20	17	25	35.2	25.04	93.3	36	2.7
2012	4	22	4	48	28.7	24.26	94.09	15	3.4
2012	4	22	5	51	41.4	28.36	73.11	23	2.8
2012	4	22	23	5	8.1	7.68	94.07	49	4.7
2012	4	24	14	57	8.6	8.73	94.07	14	5.5
2012	4	24	15	21	4	8.67	93.76	21	4.5
2012	4	24	18	11	11.5	24.72	93.47	30	3
2012	4	24	19	14	38.5	8.72	94.06	15	4.8
2012	4	24	22	9	30.7	8.54	94.1	14	4.5
2012	4	24	23	5	4.5	26.28	93.57	35	3
2012	4	25	2	17	58.2	25.3	93.54	12	2.7
2012	4	25	6	55	42.4	23.9	94.71	15	3
2012	4	25	7	42	31.7	9.73	94.04	9	5.8
2012	4	25	7	53	15.8	8.54	94.26	12	5.4
2012	4	25	13	33	15.8	26.91	92.98	13	3.2
2012	4	25	18	42	28	8.37	94.04	10	4.4
2012	4	25	19	48	21	20.24	94.76	10	2.7
2012	4	25	22	49	58.4	36.41	82.66	12	4.5
2012	4	26	5	54	48.7	37.48	71.82	122	4.2
2012	4	26	7	28	31.2	24.93	93.69	11	3.1
2012	4	27	5	49	27	36.58	71	210	4.8
2012	4	28	18	40	17.2	26.22	92.47	15	2.7
2012	4	29	21	53	42.7	28.02	87.95	35	3.6
2012	4	30	13	6	56.5	14.27	93.41	35	5.4
2012	5	1	14	30	37.7	9.68	94.06	29	4.7
2012	5	1	22	43	11.8	26.21	92.14	16	3.8
2012	5	2	9	44	14	26.32	90.21	12	2.8
2012	5	2	9	57	28.2	8.83	94.02	10	4.7
2012	5	2	10	57	29	21.95	94.12	23	4.1
2012	5	2	19	57	43	28.3	94.13	12	3.5
2012	5	2	23	12	15.3	28.18	76.21	10	3.5
2012	5	3	1	18	0.2	9.67	93.43	33	5
2012	5	3	4	59	30	8.85	93.93	24	4.8
2012	5	3	6	42	34	36.34	70.46	113	4.9
2012	5	3	17	26	49	25.16	92.56	16	2.8
2012	5	4	11	5	24.6	37.63	72.15	95	4.5
2012	5	4	20	9	27	27.37	95.18	18	4.4
2012	5	5	5	58	29.7	33.68	96.01	10	4.4
2012	5	6	5	43	1	32.4	76.32	10	3.6
2012	5	6	8	10	54.4	29.65	80.78	15	3.1
2012	5	6	23	49	15.1	23.53	87.44	15	4.2
2012	5	8	19	11	33.7	23.61	93.7	26	3.3
2012	5	8	23	12	44.7	20.22	94.66	33	4.4

2012	5	9	18	5	57.4	34.35	74.47	15	3.5
2012	5	10	18	42	17.7	25.24	93.79	23	2.6
2012	5	10	22	0	40	30.18	79.39	10	3.9
2012	5	11	12	41	35.5	26.25	92.88	43	5.3
2012	5	11	12	53	42.2	26.26	92.87	40	3.8
2012	5	11	13	22	33	36.59	69.64	33	4.3
2012	5	11	14	10	56.9	26.09	92.97	26	2.7
2012	5	14	13	47	37.7	24.36	94.43	20	3.2
2012	5	15	17	52	28.2	25.16	94.94	20	2.9
2012	5	15	21	56	34.9	28.78	76.83	8	3
2012	5	16	0	33	39.7	24.14	94.08	14	3.9
2012	5	16	1	54	18.7	25.09	95.1	26	3.1
2012	5	16	17	43	1.7	25.22	91.42	10	3
2012	5	16	21	34	56.7	24.05	94.44	30	3
2012	5	17	1	3	18.7	24.87	95.29	25	3.2
2012	5	17	13	39	18.2	28.86	76.75	12	3.4
2012	5	17	20	30	14.8	25.26	95.53	12	3.1
2012	5	19	14	2	35	33.51	86.94	20	4.5
2012	5	21	21	38	38.9	37.91	77.39	31	4.8
2012	5	22	2	4	42	36.38	71.29	122	4.4
2012	5	22	2	55	18	33.85	72.46	16	4.1
2012	5	22	12	19	50.7	25.17	94.31	40	4
2012	5	22	16	41	59.4	37.08	71.07	30	3.9
2012	5	23	22	4	46.5	24.77	92.25	10	2.1
2012	5	25	4	41	1.7	24.63	94.15	28	4
2012	5	26	3	59	41	35.79	70.23	76	4.4
2012	5	26	4	21	7.5	13.03	92.11	27	4.3
2012	5	27	15	1	29.2	26.66	91.65	22	4.5
2012	5	27	16	3	57.5	36.6	71.43	85	4.7
2012	5	27	18	29	7.3	12.17	77.62	8	3.3
2012	5	27	20	50	22.2	30.85	83.54	35	4.8
2012	5	29	13	49	52.2	36.22	70.02	144	4.1
2012	5	30	1	54	27.5	27.32	88	10	4.2
2012	5	30	7	22	0.6	23.1	93.18	10	3.4
2012	5	30	9	28	13.8	24.49	94.89	30	4
2012	5	30	13	23	2.4	8.31	91.9	17	4.9
2012	5	31	6	37	22.7	24.72	93.88	30	3.4
2012	6	1	4	42	13.6	36.58	70.42	30	3.8
2012	6	1	4	53	43.2	34.85	69.37	39	3.6
2012	6	1	19	11	34.7	29.22	95.51	30	4
2012	6	1	21	42	52	24.77	95.03	12	3.9
2012	6	1	23	39	38	30.51	79.06	15	3.2
2012	6	2	6	47	36.5	35.9	70.52	30	3.8
2012	6	2	7	14	29.5	37.82	73.72	30	3.5
2012	6	2	21	52	59.5	36.25	70.47	30	3.7
2012	6	3	21	31	37.5	36.03	70.12	24	4.3
2012	6	3	23	19	14.5	35.99	79.65	33	4.1
2012	6	4	6	0	6	36.53	71.21	30	3.8
2012	6	4	15	30	50.2	36.49	69.92	30	3.6

2012	6	4	17	36	22.7	36.9	71.05	30	3.9
2012	6	6	19	48	6	25.28	93.69	10	2.9
2012	6	7	19	38	56	24.96	91.17	13	3.3
2012	6	8	4	9	22.5	23.1	94.02	10	3.7
2012	6	9	7	45	53.7	36.29	70.51	38	3.6
2012	6	9	7	54	10.6	28.3	84.15	15	4.6
2012	6	9	8	14	40.9	20.14	82.89	8	3.9
2012	6	9	12	0	3.7	28.42	86.76	20	3.5
2012	6	10	3	29	35.2	36.28	70.52	86	4.7
2012	6	10	12	23	40.7	25	95.02	20	3.2
2012	6	11	4	35	55.5	27.43	88.19	10	3.8
2012	6	11	5	2	16	35.84	69.29	29	5.3
2012	6	11	5	29	12.8	35.94	69.28	20	5.7
2012	6	12	1	9	44	22.32	78.86	15	3.4
2012	6	12	17	2	2.4	23.88	94.16	14	3.9
2012	6	12	18	53	39.2	24.87	91.17	10	2.7
2012	6	13	3	16	3.7	28.71	76.65	13	2.8
2012	6	13	10	39	43	23.29	94.54	10	3.4
2012	6	13	11	20	40	25.91	92.68	28	3.4
2012	6	15	0	42	6.8	18.41	76.84	25	2.7
2012	6	15	9	36	14.8	29.79	68.91	10	4.1
2012	6	15	16	15	1.7	28.68	81.74	10	3.5
2012	6	16	5	38	30.2	26.35	92.76	37	3.8
2012	6	16	10	42	15.5	23.79	93.58	20	3.5
2012	6	16	15	7	57.5	27.11	91.76	12	3.3
2012	6	18	19	35	10.5	25.88	90.58	10	3.2
2012	6	19	14	0	8.6	28.66	76.59	10	3.8
2012	6	19	20	14	2.2	23.62	70.22	17	5
2012	6	20	8	46	26	11.15	76.02	11	3.3
2012	6	20	15	5	54.2	34.82	73.24	41	4.3
2012	6	20	20	33	47	26.76	95.6	30	3.5
2012	6	22	2	44	45.5	29.02	77.08	15	3.5
2012	6	22	2	51	26.6	36.42	68.4	35	4
2012	6	22	4	38	47.5	29.07	77.02	15	3.4
2012	6	23	13	48	14.1	36.39	70.04	30	4.1
2012	6	23	20	15	6.5	36.48	70.52	33	3.7
2012	6	23	20	37	58.2	36.42	70.31	30	3.7
2012	6	24	11	22	36.7	35.72	69.85	33	4.4
2012	6	24	21	49	28.7	36.71	71.2	91	4.6
2012	6	25	6	10	0.1	24.82	91.88	23	3.6
2012	6	26	12	16	43.5	21.75	94.66	12	3.5
2012	6	27	18	27	34	36.71	71.32	75	4.4
2012	6	29	2	6	54.7	37.99	69.17	18	4.6
2012	6	29	5	29	59.4	24.16	91.92	17	3.7
2012	6	29	8	13	14.6	37.72	71.98	50	4.1
2012	6	30	19	43	20.7	28.93	96.55	43	4.8
2012	7	1	4	13	53.2	25.67	94.54	69	5.6
2012	7	1	4	54	5.5	25.68	94.63	68	4.3
2012	7	2	5	48	40.7	28.59	77.04	9	2

2012	7	2	10	7	12.6	28.55	76.3	10	3.3
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2012	7	2	20	51	20.2	24.88	95.32	15	3.4
2012	7	3	10	28	8.8	25.02	92.02	22	3.1
2012	7	3	19	11	44.2	29.84	88.16	10	4.7
2012	7	3	22	14	45.5	36.65	70.51	33	3.6
2012	7	4	4	18	29.1	36.29	70.39	30	3.6
2012	7	4	5	24	9.8	24.9	93.89	19	3.3
2012	7	4	8	37	31.2	33.78	75.21	41	3.7
2012	7	5	9	29	31.7	25.67	94.21	14	3.1
2012	7	5	14	18	16.5	36.53	69.73	90	4.4
2012	7	5	20	3	13.1	23.49	94.23	12	2.7
2012	7	6	5	50	30	33.23	75.73	10	2.8
2012	7	7	19	54	19.5	31.82	72.06	10	3.2
2012	7	8	0	42	41.2	24.58	94.21	19	2.9
2012	7	8	9	47	40.2	36.54	70.64	33	3.9
2012	7	8	11	25	18.7	28.84	76.74	10	2.8
2012	7	8	12	52	43.5	22.74	93.32	24	3.3
2012	7	8	15	39	42.7	24.4	94.13	16	3.3
2012	7	9	12	11	59.5	30.02	77.1	10	2.4
2012	7	9	12	30	14	26.17	92.95	34	3.5
2012	7	9	20	13	5.3	25.3	96.64	30	5.1
2012	7	9	23	13	58.7	25.34	96.54	15	3.1
2012	7	9	23	44	31.7	24.98	94.07	10	3.4
2012	7	10	4	30	41.2	32.6	69.24	10	3.2
2012	7	10	10	44	59.2	26.75	92.32	15	3.5
2012	7	10	13	3	41.4	26.5	93.19	51	4.5
2012	7	10	15	53	56.7	25.67	91.64	10	3.4
2012	7	11	15	28	48.7	27.01	92.11	14	3.1
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2012	7	12	14	0	29.1	36.63	70.56	152	5.8
2012	7	12	14	44	53.5	36.48	70.96	146	4.7
2012	7	13	18	10	22.7	26.48	93.18	41	2.6
2012	7	14	14	18	10.1	25.68	91.58	13	2.6
2012	7	14	19	55	19.2	25.55	94.33	53	5.5
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2012	7	15	11	38	14.1	22.58	89.37	33	3.2
2012	7	15	14	33	35.5	28.83	77.28	13	2.2
2012	7	16	15	7	18	24.94	94.99	30	3.2
2012	7	16	15	41	19	36.21	70.44	30	4.1
2012	7	16	23	16	7	24.96	96.58	10	3.6
2012	7	17	6	0	37	22.86	93.33	48	4.3
2012	7	17	6	33	32.2	24.82	93.22	22	2.9
2012	7	17	7	47	5.3	36.28	70.04	117	4.2
2012	7	17	10	26	55.7	31.24	73.54	10	4.1
2012	7	17	12	0	23.5	36.49	70.74	50	4.1
2012	7	17	21	21	3.2	24.81	91.96	34	3.3
2012	7	17	23	2	55.9	31.19	76.95	10	2.3
2012	7	19	7	36	32.2	37.22	71.08	93	5.7

2012	7	20	14	7	1.2	23.08	94.45	10	3.2
2012	7	22	2	11	10.1	25.01	96.58	23	5.1
2012	7	22	16	44	23	29.84	88.08	29	4.8
2012	7	22	20	29	38.4	36.35	87.41	25	4.2
2012	7	23	0	15	12	29.78	87.93	35	4.3
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2012	7	24	3	26	54.9	24.64	93.85	22	3.2
2012	7	24	12	24	25.7	26.19	92.21	35	3.3
2012	7	25	14	51	9.8	36.22	68.53	24	4.7
2012	7	26	5	31	30.1	33.76	75.75	15	4.3
2012	7	26	9	44	47.2	27.61	92.67	12	3.1
2012	7	26	21	58	25.7	27.56	92.75	11	3.1
2012	7	27	21	31	56.7	25.5	94.14	22	3.3
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2012	7	28	22	51	13.3	36.09	70.02	33	4.1
2012	7	29	2	21	13.3	22.94	94.05	75	5.7
2012	7	29	3	22	35	23.06	93.63	10	2.9
2012	7	29	6	29	19.6	22.99	93.76	14	3.4
2012	7	29	7	28	6.4	24.12	94.33	10	3.5
2012	7	29	12	3	41	36.83	70.62	30	3.9
2012	7	29	20	3	0.5	27.89	92.07	12	3.4
2012	7	29	20	55	44.7	37.25	71.58	90	4.4
2012	7	30	8	3	49.2	21.23	72.8	11	3.2
2012	7	31	11	50	53.7	28.62	82.45	10	4.3
2012	7	31	11	58	30.7	28.72	82.42	10	4.3
2012	7	31	17	2	30.2	36.53	70.5	50	3.7
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2012	8	3	0	2	28.2	37.68	72.1	148	4.5
2012	8	3	10	42	20.6	26.3	93.4	39	3
2012	8	5	6	36	49.2	24.83	91.82	27	4.2
2012	8	5	14	10	28.2	30.52	94.89	24	4.8
2012	8	5	15	35	47.5	21.01	94.02	10	3.3
2012	8	6	4	1	55.9	21.94	94.58	10	3.8
2012	8	6	4	55	23	36.6	71.08	66	4.5
2012	8	6	14	15	46.2	35.85	77.63	63	4.4
2012	8	7	0	18	2.7	30.09	94.35	24	4.7
2012	8	7	18	40	44.4	36.76	70.99	33	3.9
2012	8	8	19	22	20	35.67	77.61	30	4.1
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2012	8	9	5	49	50	30.85	95.14	10	3.7
2012	8	9	13	12	4.5	28.56	86.83	35	4.7
2012	8	9	13	55	28.5	28.52	86.82	23	3.7
2012	8	11	15	44	40.2	28.45	86.83	15	4
2012	8	12	10	47	7	35.64	82.52	13	6

2012	8	13	20	32	55.5	35.18	73.57	20	5.4
2012	8	14	0	45	45	36.69	69.79	154	4.2
2012	8	14	2	39	26.2	36.7	70.55	167	4.5
2012	8	14	3	36	43.5	23.49	94	30	3.4
2012	8	14	15	17	0.6	26.33	93.14	38	3.3
2012	8	14	20	32	58.5	35.58	82.57	10	4.7
2012	8	16	2	51	27.7	23.44	94.14	10	3.3
2012	8	16	22	15	56.7	17.33	80.73	10	3.3
2012	8	17	16	13	8.6	26.35	92.62	44	3.3
2012	8	18	5	9	32.7	25.33	93.92	10	2.9
2012	8	19	9	24	49.5	26.62	92.55	38	4.8
2012	8	19	19	4	57.2	26.58	92.66	42	3.9
2012	8	19	20	52	52.7	24.93	92.68	19	2.8
2012	8	22	10	23	39.7	24.53	90.81	15	3.3
2012	8	22	13	7	7	36.35	69.86	33	3.8
2012	8	23	15	51	31.2	26.5	97.19	20	2.8
2012	8	23	16	30	20.7	28.35	82.65	15	5
2012	8	24	3	55	53.4	28.35	82.58	32	4.3
2012	8	24	8	32	0.2	36.34	69.55	30	3.7
2012	8	24	12	9	59.2	26.37	92.73	34	3.1
2012	8	26	5	18	22.5	35.07	89.73	10	4.6
2012	8	27	12	5	23.7	10.23	92.78	58	5.2
2012	8	28	21	14	38.5	25.02	96.64	30	3.1
2012	8	29	3	15	45.5	25.5	94.23	20	2.7
2012	8	29	11	38	42.4	26.24	95.98	11	3.4
2012	8	30	3	27	23.7	31.92	69.82	15	4
2012	8	30	4	34	46.7	36.39	70.11	20	4
2012	8	31	3	43	36	20.87	84.98	15	3.7
2012	8	31	19	10	6.8	24.95	96.58	10	3.5
2012	9	2	18	52	53.2	28.56	76.66	15	2.5
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2012	9	4	7	42	34.5	26.29	92.57	19	3.2
2012	9	4	7	47	12.6	37.04	78.87	41	4.5
2012	9	5	1	25	7.4	26.12	89.85	27	3
2012	9	6	18	27	8.6	25.6	91.05	15	4.4
2012	9	6	18	36	20.7	36.44	70.46	30	4.1
2012	9	8	7	18	17.5	6.75	95.56	233	4.7
2012	9	8	20	35	45	37.78	72.75	30	4
2012	9	9	15	21	16.2	36.14	70.2	33	4
2012	9	9	21	20	29	37.32	79.25	14	4.7
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2012	9	10	19	22	15.5	23.32	90.76	30	3.3
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2012	9	18	12	26	23.7	27.48	88.64	30	4.6
2012	9	18	18	8	54.9	26.04	90.61	20	3.2
2012	9	18	23	12	51.5	26.24	93.28	30	3.5
2012	9	19	6	28	36.7	22.27	93.85	30	3.7
2012	9	19	22	49	10.3	17.7	73.96	16	2.9
2012	9	20	1	38	23.2	24.19	91.7	12	3
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2012	9	22	21	26	24.7	26.83	93.14	28	3.3
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2012	9	24	15	20	2	23.81	93.91	12	3.4
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2012	10	2	8	34	52.5	32.42	76.27	10	5
2012	10	2	18	37	39.5	26.85	92.91	37	5.2
2012	10	2	18	51	38.2	26.86	92.96	29	4.4
2012	10	2	18	57	47.4	26.91	92.91	24	3.6
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2012	10	3	10	49	27	32.45	76.25	12	3.6
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2012	10	6	20	44	54.2	25.1	94.99	30	3.3
2012	10	8	17	46	21.7	31.78	78.54	10	4.8
2012	10	9	7	8	17.7	24.9	95.38	15	3
2012	10	10	0	37	6	36.48	71.04	81	4.6
2012	10	10	5	29	52	26.16	96.65	10	3.4
2012	10	11	0	59	8.6	31.82	78.4	10	2.9
2012	10	11	2	7	33.7	25.96	95.35	60	3.6
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2012	10	11	13	56	4	27.99	88.29	25	3.2
2012	10	11	23	54	33	33.97	73.58	20	4.7
2012	10	12	19	17	36.5	25.78	95.56	50	3.6
2012	10	12	23	16	16.2	24.65	93.69	37	4.1
2012	10	13	9	5	9.3	26.97	92.73	30	3.6
2012	10	13	11	20	36.4	24.91	95.15	50	3.2
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2012	10	14	8	51	56	12.59	75.58	10	3.8



2012	10	14	13	17	31.2	35.88	69.24	55	5
2012	10	14	14	37	12.5	24.23	94.52	34	3.2
2012	10	15	15	46	35.9	21.46	93.59	10	3.8
2012	10	15	23	43	44.7	36.06	69.57	102	5.1
2012	10	16	12	53	13	26.27	92.23	34	3.2
2012	10	17	13	14	47.2	35.82	69.87	30	3.7
2012	10	17	21	13	52.7	24.11	94.3	9	3.4
2012	10	18	2	33	29.1	23.78	81.36	10	5
2012	10	18	4	35	49.2	36.57	70.56	30	4.4
2012	10	18	5	32	18.2	25.67	91.79	11	3.2
2012	10	18	16	12	37.2	25.02	95.39	33	3.2
2012	10	20	1	31	54.5	24.12	94.13	26	3.7
2012	10	20	17	31	56.2	37.78	69.06	23	4.7
2012	10	20	18	27	10.6	28.42	91.95	15	4.1
2012	10	21	7	54	47	13.75	96.08	30	4.7
2012	10	21	8	35	12.3	25.31	92.96	14	3.3
2012	10	22	1	28	7.3	20.88	92.83	39	3.7
2012	10	22	6	56	50.7	28.04	87.78	35	3.9
2012	10	22	8	52	39.4	22.85	94.36	56	3.2
2012	10	22	13	54	26.2	25.25	94.27	10	3
2012	10	22	15	43	50.5	24.75	94.19	35	3.6
2012	10	23	15	8	3	24.88	92.6	39	2.8
2012	10	24	15	41	36.2	25.09	95.72	40	2.8
2012	10	24	21	7	40.5	28.93	94.3	13	4
2012	10	24	21	10	35.7	26.37	93.24	39	3.3
2012	10	24	22	42	15.8	25.09	94.91	40	3.2
2012	10	25	14	18	45.2	26.57	94.03	40	2.8
2012	10	26	1	50	23.7	24.13	92.96	25	3.8
2012	10	26	4	10	53.5	30.18	79.61	10	3.5
2012	10	26	4	42	31.1	25.01	96.54	10	3.3
2012	10	26	23	52	28.2	26.51	93.57	15	3
2012	10	28	3	8	53	10.37	92.58	68	5.1
2012	10	28	5	44	17	28.74	94.22	10	4.2
2012	10	28	11	4	17.2	23.18	94.27	14	3.8
2012	10	28	12	11	16	36.43	71.18	211	5.1
2012	10	29	0	34	57.2	25.65	91.84	10	3.4
2012	10	29	1	30	41.7	25.83	93.43	38	3.2
2012	10	29	6	23	7.8	16.2	79.71	12	4
2012	10	30	1	40	24.7	26.15	92.46	32	3.9
2012	10	30	13	52	53	22.72	77.7	10	2.9
2012	10	30	17	21	48.7	25.89	71.14	10	3.6
2012	11	2	3	37	30.2	24.12	93.39	32	2.8
2012	11	2	7	37	54.2	23.62	70.16	10	2.4
2012	11	2	9	56	25	23.69	70.27	10	2.9
2012	11	2	21	31	47.2	24.95	94.97	11	4.4
2012	11	4	10	9	13.8	25.13	95.3	20	2.6
2012	11	4	10	41	6.8	34.03	76.04	10	2.6
2012	11	5	13	7	56.5	28.44	86.2	19	4.5
2012	11	6	8	47	15.6	25.71	91.42	15	2.5

2012	11	6	12	21	12.3	32.43	76.29	10	4.1
2012	11	9	5	44	33.5	36.96	73.45	10	4.2
2012	11	9	14	5	46.2	36.56	70.86	33	3.9
2012	11	10	2	53	26.2	25.08	95.15	20	2.8
2012	11	11	1	12	39	23.04	95.91	14	6.3
2012	11	11	1	29	59.5	22.75	95.91	19	4.8
2012	11	11	1	32	27.2	22.65	95.89	14	4.9
2012	11	11	1	49	26.2	22.79	95.8	10	3.9
2012	11	11	10	54	42.7	22.53	95.93	32	5.8
2012	11	11	14	45	8.6	22.73	95.56	10	4.6
2012	11	11	18	19	45.9	23.18	95.86	28	5.6
2012	11	11	18	39	21.2	29.3	81.43	10	4.8
2012	11	11	20	23	12.8	32.36	76.21	10	4
2012	11	12	0	12	58.2	29.42	81.53	10	2.9
2012	11	12	18	28	23.5	26.09	92.34	10	2.9
2012	11	12	20	2	13.6	30.64	78.6	10	2.5
2012	11	13	1	52	20.7	19.18	96.09	22	4.8
2012	11	13	6	27	51.5	22.46	95.78	10	3.3
2012	11	13	8	36	29.2	23.08	95.61	10	3.5
2012	11	13	8	42	4.4	22.98	95.95	10	3.3
2012	11	13	18	28	14.1	22.89	95.87	10	5
2012	11	14	14	4	34.7	22.27	95.74	15	3.5
2012	11	14	14	40	50.5	21.46	89.18	39	3.7
2012	11	14	21	59	18.1	24.78	94.65	30	3
2012	11	14	22	10	5.3	23.29	91.43	26	3.5
2012	11	15	6	46	10.1	30.3	80.05	10	3
2012	11	15	22	1	5.8	24.91	95.03	30	3
2012	11	16	16	40	14.1	37.49	71.75	105	5.1
2012	11	16	16	58	0.6	28.03	93.28	10	3.6
2012	11	16	20	2	19.5	24.51	93.75	20	2.8
2012	11	16	21	24	58.7	32.48	96.69	10	3.9
2012	11	17	21	10	10.1	37.01	70.45	96	4.4
2012	11	18	12	23	57	35.81	69.49	30	3.5
2012	11	18	13	26	7.5	36.28	69.76	30	3.6
2012	11	18	19	34	36.5	36.8	70.86	30	4.2
2012	11	19	6	25	22.2	28.64	76.62	15	3.5
2012	11	19	7	31	18.7	36.56	70.66	202	4.3
2012	11	19	17	25	52.9	22.93	95.93	33	5
2012	11	20	4	15	41.7	22.06	76.03	15	3.3
2012	11	21	0	0	22	25.68	93	10	3.3
2012	11	21	15	34	27.2	23.97	94.08	32	3.3
2012	11	23	10	24	28.7	22.58	96.04	10	3.5
2012	11	24	16	30	29.2	24.51	94.43	22	2.8
2012	11	25	1	48	29.2	25.91	95.36	30	3.2
2012	11	25	6	1	44.4	23.73	91.46	20	4.1
2012	11	25	13	55	24.6	26.89	92.92	26	3.4
2012	11	25	17	35	46.7	36.51	70.46	66	4.4
2012	11	25	18	58	43.2	25.07	95.26	17	3.7
2012	11	26	0	34	43.5	30.39	80.06	10	2.6

2012	11	26	2	44	48.5	28.66	96.09	13	3.6
2012	11	26	6	38	40.5	22.71	95.99	12	3.3
2012	11	26	16	36	55	32.55	88.32	24	3.1
2012	11	26	23	13	50.4	13.91	93.83	54	5
2012	11	27	12	15	16.2	30.86	78.43	12	4.4
2012	11	27	15	23	54.2	24.83	90.5	10	2.9
2012	11	27	19	39	26.7	24.97	94	20	3
2012	11	27	22	39	14.6	31.21	78.69	10	2.9
2012	11	28	12	11	43.5	22.57	96.06	10	4.1
2012	11	28	22	19	18.2	11.98	77.77	20	3.4
2012	11	29	13	43	54.7	25.17	92.79	20	3
2012	11	30	3	52	23.7	25.75	95.67	20	4.4
2012	11	30	4	59	18.7	24.49	94.69	18	3.5
2012	11	30	7	18	42.4	26.2	93.1	33	3
2012	11	30	12	58	8.8	22.77	95.95	10	3.4
2012	11	30	19	39	29.7	27.27	88.21	16	4.6
2012	12	1	17	29	4.4	36.38	70.83	94	4.6
2012	12	3	4	34	47	31.41	74.16	35	3.5
2012	12	3	7	10	59.2	35.86	71.79	15	4.4
2012	12	3	11	55	24.7	22.97	96.02	15	4.5
2012	12	4	10	11	0.2	37.46	71.64	33	4.5
2012	12	5	8	5	2.5	25.08	95.07	85	4.2
2012	12	6	14	33	58.7	27.83	94.14	10	3.3
2012	12	6	16	59	49.5	36.17	69.39	33	4
2012	12	7	7	29	19.5	36.17	69.57	33	4.1
2012	12	8	7	6	8.8	22.99	70.37	10	4.3
2012	12	8	8	47	47.5	36.15	70.75	33	3.9
2012	12	10	19	52	51.2	36.32	69.79	30	3.9
2012	12	11	1	46	13	35.1	69.52	33	4.2
2012	12	11	7	19	3.4	23.25	93.84	23	4.2
2012	12	11	23	8	38.2	24.73	94.14	10	2.9
2012	12	12	17	51	21	36.23	70.02	33	4.1
2012	12	13	1	44	22.7	36.55	69.97	30	3.6
2012	12	13	7	43	43.5	36.25	70.82	30	4.1
2012	12	13	10	5	26.6	22.61	92.79	17	3.3
2012	12	14	2	17	31.2	22.68	95.97	10	3.8
2012	12	15	3	47	57.2	35.75	69.01	33	3.9
2012	12	17	12	48	4.9	24.76	91.53	12	3.1
2012	12	17	13	10	51.5	37.47	79	11	3.5
2012	12	17	23	12	44	25.23	96.77	20	3.2
2012	12	18	1	32	43.5	19.27	95.78	10	3.5
2012	12	18	11	51	56.5	25.41	96.64	16	4.6
2012	12	18	14	26	8.5	33.28	84.57	10	3.9
2012	12	19	5	1	56.5	36.56	70.86	30	4
2012	12	19	22	31	58.5	28.59	76.75	12	2.9
2012	12	20	3	44	15	28.66	76.65	12	2.7
2012	12	20	5	56	5.3	22.81	96.09	10	4.6
2012	12	20	13	0	55	27.48	76.21	12	3.8
2012	12	20	14	20	56.5	36.59	70.1	30	4

2012	12	21	2	23	51	28.56	88.57	45	4.2
2012	12	21	7	59	46.4	25.64	94.05	15	3.6
2012	12	22	2	55	56.5	36.49	71.06	33	4
2012	12	22	16	41	47.4	22.46	94.72	96	5.4
2012	12	22	20	51	19.2	24.42	93.53	20	2.8
2012	12	23	1	50	24.5	37.4	71.67	30	4.1
2012	12	23	5	29	27.7	35.93	69.69	113	4.5
2012	12	23	23	44	15.8	36.29	69.8	33	3.5
2012	12	24	14	36	21.7	37.6	69.8	51	4.4
2012	12	26	2	4	41	26.35	92.71	41	3.4
2012	12	26	8	48	47.7	23.14	96.06	35	4.2
2012	12	26	13	59	49	22.85	95.69	18	4.8
2012	12	26	15	14	47	22.5	93.52	18	3.8
2012	12	26	15	20	43.2	22.78	96.27	39	3.6
2012	12	27	0	11	55.5	24.4	93.36	32	2.8
2012	12	28	2	46	9.1	26.38	92.82	45	3.4
2012	12	28	10	46	31	17.23	73.54	10	2.9
2012	12	28	16	0	36	25	95.03	20	2.7
2012	12	29	6	39	2.2	37.36	79.13	30	3.9
2012	12	29	10	0	46.7	30.03	88.23	10	2.9
2012	12	29	16	41	11.8	17.31	72.54	10	2.9
2012	12	29	17	50	47.2	35.83	70.31	79	5.7
2012	12	30	8	16	43.5	24.24	91.74	25	4.3
2012	12	30	13	3	4.5	23.02	94.18	13	3.5
2012	12	30	20	10	17.2	26.72	95.85	20	3.1

Year / वर्ष	Mon/ माह	Day/ दिन	Origine Time/ उत्पत्ति का समय			Latitude/ अक्षांश (Deg. N)/ (डिग्री .उ)	Longitude/ देशान्तर (Deg. E)/ (डिग्री. पू)	Depth / गहराई	Magnitude/ परिमाण
			Hr/ घटे	Min/ मिनट	Sec/ सैकेंड				
			(in UTC)/ (यूटीसी में)						
2013	1	1	1	58	50.7	17.7	83.44	10	2.9
2013	1	1	4	8	33.5	36.58	71.21	110	4.5
2013	1	1	14	43	42.5	26.38	93.21	38	3.5
2013	1	2	14	53	43.5	27.37	88.79	15	3.2
2013	1	2	17	25	38	22.58	93.9	21	4.3
2013	1	2	17	42	16.7	29.29	81.21	10	4.6
2013	1	2	22	6	30.7	23.26	94.21	17	3.2
2013	1	3	3	51	10	28.36	87.89	35	3.5
2013	1	3	5	47	27.2	25.06	93.92	26	3.9
2013	1	3	21	17	38	37.21	71.77	33	3.9
2013	1	5	4	32	41.9	36.37	70.93	87	4.8
2013	1	5	13	41	27.7	31.72	87.14	35	4.8
2013	1	5	14	4	3	36.13	68.18	20	4.6
2013	1	5	20	29	10.8	36.41	70.77	30	4
2013	1	6	9	39	12.8	26.36	93.64	42	3.3
2013	1	7	5	32	43.2	28.3	94.24	10	4.3
2013	1	7	7	6	45.7	28.15	94.32	10	4.2

2013	1	7	7	19	54.7	28.29	94.4	10	4.1
2013	1	8	10	36	57.7	15.89	74.01	10	2.7
2013	1	9	1	41	53	25.3	94.86	91	5.8
2013	1	9	7	44	17.2	29.67	81.72	15	5
2013	1	10	15	16	12.8	30.1	80.47	10	3.2
2013	1	11	9	10	14.8	13.36	92.44	37	4.9
2013	1	11	15	51	35	28.38	87.18	30	3.3
2013	1	11	21	26	28.7	35.07	69.05	33	3.7
2013	1	13	16	11	47.7	36.85	70.52	33	4
2013	1	13	17	35	48.7	26.52	86.13	10	3
2013	1	13	19	18	7	36.12	69.92	30	3.8
2013	1	13	20	41	2.2	23.86	92.35	16	3.2
2013	1	15	3	4	28.2	26.39	89.77	10	3.5
2013	1	15	11	17	1.2	23.78	94.55	15	4.6
2013	1	15	14	23	38.7	33.29	69.76	32	3.8
2013	1	15	20	34	13.5	36.89	70.42	132	4.7
2013	1	17	16	50	35.2	28.7	79.73	20	3.1
2013	1	17	20	59	50	29.35	81.33	10	3.6
2013	1	19	18	43	22.2	24.78	94.9	30	3.1
2013	1	19	22	20	58.9	24.56	94.35	17	3.3
2013	1	22	4	32	42.2	29.73	89.71	40	4
2013	1	22	15	9	22.1	36.38	68.73	52	5.2
2013	1	22	18	49	46.2	24.98	93.06	39	2.9
2013	1	22	23	54	33.2	7.41	93.4	48	4.6
2013	1	24	9	47	15.5	24.85	95.3	16	3.3
2013	1	24	13	58	27.2	29.02	89.43	10	3.3
2013	1	26	2	24	31.7	17.19	73.69	10	3.8
2013	1	27	20	42	54	35.65	70.24	30	4
2013	1	28	14	52	40	23.73	94.57	21	3.9
2013	1	29	19	42	53.7	30.05	81.59	20	3.8
2013	1	29	20	25	30	25.44	96.75	10	3
2013	1	30	9	27	4.9	32.75	94.41	20	5.2
2013	1	30	17	33	2.5	36.21	95.74	15	4.7
2013	1	30	21	30	18.2	30.26	80.05	10	2.6
2013	1	31	13	11	2.7	26.3	92.87	38	2.9
2013	1	31	14	42	13.6	20.07	93.75	20	3.6
2013	2	4	1	19	28	11.7	92.7	10	4.8
2013	2	6	5	29	22	15.5	80	5	2.9
2013	2	6	8	22	45	28.8	76.5	5	2.7
2013	2	11	10	48	55	31	78.4	5	4.3
2013	2	11	21	40	26	29.2	95.9	10	4
2013	2	17	1	35	8	36.5	71.7	100	5.2
2013	2	17	16	27	7	30.9	78.4	10	3.2
2013	2	19	21	5	11	25.4	89.1	10	4.5
2013	2	20	5	15	7	20.7	85.1	5	2.9
2013	2	24	0	57	17	26.3	75.6	5	4.1
2013	2	25	2	28	25	30.9	78.4	11	3.1
2013	2	26	17	26	35	11.2	75.8	15	3
2013	2	27	12	27	13	25.7	90.6	5	3.6

2013	2	28	17	32	34	27.1	92.3	10	3.9
2013	3	2	1	30	40	24.8	92.2	10	5.2
2013	3	4	11	39	32	25.5	91.6	20	3.2
2013	3	4	16	5	27	26.1	91.4	5	4.1
2013	3	4	20	15	53	25	93	33	3.9
2013	3	6	4	28	32	29.7	80.4	10	3.2
2013	3	12	19	5	50	26.8	92.4	33	3.4
2013	3	20	2	10	27	12.7	93.6	96	4.8
2013	3	24	0	17	32	30	80.6	5	2.9
2013	3	25	5	5	0	24.3	68.5	10	3.8
2013	3	25	16	53	35	26.5	93.5	7	3.2
2013	3	25	23	2	13	14.6	90.3	200	6
2013	3	30	6	33	56	23.5	70.4	5	4
2013	3	31	14	43	21	27.2	75	5	2.3
2013	4	3	3	48	2	27.6	92.7	10	3.5
2013	4	3	16	35	48	19.3	95.2	10	5.5
2013	4	4	6	31	37	36.1	71.6	237	5.8
2013	4	4	9	51	31	24.7	94.3	50	3.5
2013	4	4	15	16	26	19.3	95.7	40	5.4
2013	4	5	7	34	10	26.7	92.4	10	3.4
2013	4	5	22	55	0	36.4	71.5	80	5.4
2013	4	6	22	29	31	30.5	79.1	10	4.3
2013	4	9	21	46	31	25.6	91.7	5	3.4
2013	4	10	20	10	1	29	76.6	10	3.5
2013	4	11	3	47	3	19.3	95.7	12	5.4
2013	4	16	1	23	19	26.3	92	16	4.6
2013	4	16	8	34	9	29	95	10	5
2013	4	17	3	1	37	33	76.5	10	3.9
2013	4	20	14	24	58	27.3	88.5	2	3.2
2013	4	21	10	22	11	26.5	93.1	34	3.4
2013	4	24	9	25	29	34.5	70.2	66	5.7
2013	4	25	14	55	1	24.7	91.7	10	3.1
2013	4	25	14	38	40	29.5	80.4	15	3.2
2013	4	25	14	52	27	32.4	76	5	3
2013	4	27	2	48	7	27.4	92.5	5	3.6
2013	4	27	3	17	9	27.5	92.5	5	4
2013	4	27	5	16	53	27.5	92.5	10	4.7
2013	4	28	18	28	13	29.5	81.2	5	4
2013	4	29	0	57	5	29	77.2	5	3
2013	4	30	9	41	52	33.1	76.1	10	4.1
2013	5	1	6	57	12	33.1	75.8	15	5.8
2013	5	1	8	42	43	33.1	75.8	10	3.7
2013	5	1	9	19	49	33.1	75.7	10	4.6
2013	5	2	0	30	9	33.2	75.8	10	3.9
2013	5	3	1	38	15	33.4	75.8	5	3.7
2013	5	5	4	39	38	33	75.6	12	3.5
2013	5	14	19	58	24	33.2	76.1	10	4.4
2013	5	14	20	0	7	33.4	75.8	10	4.8
2013	5	14	20	40	49	24.1	92.3	10	3.8

2013	5	14	21	1	42	33.3	75.9	10	3.8
2013	5	15	12	5	41	33.3	75.9	15	3.8
2013	5	20	17	18	10	36.5	70.5	190	5.3
2013	5	26	5	55	22	26.6	92.2	10	3.2
2013	5	31	4	52	16	27.4	92.7	18	3.8
2013	6	1	13	28	57	22.1	88.7	28	3.6
2013	6	3	6	40	45	24.2	91.4	10	3.4
2013	6	4	17	34	44	32.7	76.7	10	4.8
2013	6	4	23	56	28	32.4	76	30	3.7
2013	6	5	22	4	0	32.8	76.3	10	4.5
2013	6	6	13	3	29	10.9	91.5	20	4.5
2013	6	15	0	10	34	24.5	93.5	20	3.5
2013	6	16	0	39	22	27.5	92.4	5	3.7
2013	6	18	0	57	54	24.1	91.2	15	3.5
2013	6	21	20	51	56	36.9	73.3	35	5
2013	6	26	5	48	47	9.6	91.2	10	5.2
2013	6	27	6	20	57	30.1	80.4	4	3.5
2013	6	28	11	40	48	28.7	82.2	10	5
2013	6	30	2	44	21	21.9	74.9	9	3.3
2013	7	3	7	4	17	36.5	70.5	206	5.1
2013	7	4	23	42	6	25.1	93.8	10	3.8
2013	7	5	19	58	34	30.6	77.8	9	3
2013	7	7	15	41	30	26.4	93.3	30	3.5
2013	7	8	3	44	25	24.1	91.4	10	4.2
2013	7	9	13	49	13	32.9	78.4	10	5.1
2013	7	11	7	49	9	26.5	93.5	19	3.2
2013	7	11	16	1	34	30.4	79.1	5	3.2
2013	7	11	18	48	11	28.8	95.9	10	4
2013	7	11	19	39	49	33.2	75.7	10	3.9
2013	7	12	7	1	30	26.3	90.8	10	3.6
2013	7	12	9	43	14	26.2	92	10	3.5
2013	7	3	7	4	17	36.5	70.5	206	5.1
2013	7	4	23	42	6	25.1	93.8	10	3.8
2013	7	5	19	58	34	30.6	77.8	9	3
2013	7	7	15	41	30	26.4	93.3	30	3.5
2013	7	8	3	44	25	24.1	91.4	10	4.2
2013	7	9	13	49	13	32.9	78.4	10	5.1
2013	7	11	7	49	9	26.5	93.5	19	3.2
2013	7	11	16	1	34	30.4	79.1	5	3.2
2013	7	11	18	48	11	28.8	95.9	10	4
2013	7	11	19	39	49	33.2	75.7	10	3.9
2013	7	12	7	1	30	26.3	90.8	10	3.6
2013	7	12	9	43	14	26.2	92	10	3.5
2013	7	13	17	49	33	32.2	76.3	10	4.5
2013	7	13	19	27	5	28.3	94.9	10	3.5
2013	7	15	17	49	11	32.6	76.7	30	4.4
2013	7	18	12	55	28	28.7	76.6	10	3
2013	7	22	9	7	19	33	75.5	10	3.7
2013	7	29	8	7	59	36.6	70.6	180	5.5

2013	7	30	18	9	13	33	75.1	5	3.8
2013	8	2	2	32	50	33.5	75.5	28	5.4
2013	8	2	12	4	22	24.2	94.8	15	5
2013	8	2	21	37	40	33.4	75.9	20	5.2
2013	8	2	22	42	5	33.4	75.9	10	3.7
2013	8	3	9	31	4	33.5	75.8	10	3.3
2013	8	5	7	27	6	27	70.7	20	4
2013	8	5	13	57	47	33.3	75.9	27	4.4
2013	8	11	8	24	16	24.9	91.9	20	3.6
2013	8	11	21	23	41	30.1	98	10	5.7
2013	8	14	7	37	34	33.4	76	15	3.3
2013	8	17	14	41	14	11.4	93.3	10	4.8
2013	8	18	11	0	40	27.3	88.7	6	3
2013	8	18	11	12	20	26.5	93.1	10	3.1
2013	8	18	23	53	27	33.3	76	18	4.6
2013	8	21	6	57	20	26.7	92.5	30	4.2
2013	8	21	8	41	51	26.7	92.4	22	3.9
2013	8	21	13	9	25	26.1	92.9	33	3.2
2013	8	26	8	12	9	26.3	94.7	24	3.3
2013	8	29	10	13	21	31.4	76.1	10	4.7
2013	8	31	3	55	6	24.6	94.2	8	3.7
2013	8	31	21	6	32	28.9	94.4	30	3
2013	9	1	3	35	39	26.4	93.5	30	3
2013	9	3	8	6	18	33.2	75.8	10	4.4
2013	9	5	16	40	11	17.3	73.9	10	4
2013	9	5	18	11	28	33.3	75.7	10	4.5
2013	9	5	18	35	42	30.9	78.5	11	3.5
2013	9	7	3	24	56	25.3	94.9	90	4.8
2013	9	8	13	40	57	25.6	91.9	10	3.5
2013	9	8	17	30	20	36.5	70.2	209	5.2
2013	9	9	11	58	17	27.4	92.4	33	4.8
2013	9	9	12	51	45	27	92.5	10	3.6
2013	9	11	10	9	41	10.7	92.1	10	4.3
2013	9	12	9	21	19	27.1	92.5	10	3.5
2013	9	17	23	11	34	7.5	93.6	65	4.5
2013	9	20	12	24	45	23.3	96.3	10	5.3
2013	9	23	13	26	7	26.2	79.4	5	3.5
2013	9	25	16	47	40	30.9	76.7	10	3
2013	9	25	19	28	2	26	90.5	15	3.9
2013	9	26	5	30	7	24.1	93.3	15	3.5
2013	9	26	2	47	43	12.7	79.3	5	3.3
2013	10	3	6	12	40	27.4	88.5	10	5
2013	10	7	20	54	3	26.3	92.5	10	3.7
2013	10	9	5	25	20	27.1	92.5	10	3.4
2013	10	11	18	5	34	28.8	76.7	10	3.3
2013	10	13	1	17	53	36.4	70.7	194	5.3
2013	10	16	7	2	44	27.6	92.7	10	3.5
2013	10	20	19	45	5	35.8	77.5	80	5.5
2013	10	21	2	27	11	35.1	77.1	12	5.4



2013	10	23	14	47	24	35.5	77.2	14	3.5
2013	10	24	9	12	41	35.5	77.4	23	4
2013	10	24	17	57	35	14.3	93	10	5.4
2013	10	26	0	5	3	33	75.9	10	4
2013	10	26	8	46	35	25.7	90.8	10	3.5
2013	10	28	7	34	48	8.4	93.7	33	4.4
2013	10	29	7	51	0	22.9	94.2	46	4.7
2013	11	3	6	54	5	10.6	92.8	30	4.8
2013	11	3	8	18	38	36.1	74.6	10	4
2013	11	4	12	56	20	14.4	93.1	9	4.9
2013	11	6	4	16	16	26.5	93.5	20	5.5
2013	11	6	14	53	8	31.4	76.1	10	4.9
2013	11	9	12	46	57	17.1	73.9	5	3.5
2013	11	10	20	29	59	10.8	92	10	4.8
2013	11	11	19	11	19	28.6	77.2	16	3.1
2013	11	11	20	11	33	28.6	77.2	15	3.3
2013	11	11	20	25	8	28.6	77.2	15	2.5
2013	11	11	22	10	45	28.6	77.1	13	2.8
2013	11	12	19	52	14	24.6	94.5	90	4
2013	11	13	23	33	41	30	79.2	5	3.3
2013	11	15	22	21	2	34.2	77.9	10	3.8
2013	11	16	19	22	8	35.9	78	10	3.8
2013	11	20	10	9	21	12.5	95.2	14	5.4
2013	11	21	4	23	18	26.6	93.2	10	3.9
2013	11	26	1	4	18	35.2	77.4	10	4
2013	11	29	1	54	45	29	95.9	10	5
2013	11	30	11	58	45	17.4	74	10	3.6
2013	12	4	13	5	20	26.6	89.5	10	4.7
2013	12	5	18	11	7	36.7	73.4	65	4.7
2013	12	6	18	58	42	35.5	77	35	3.8
2013	12	7	1	6	42	11.7	94	150	4.9
2013	12	7	4	41	50	24.2	91.4	10	3.8
2013	12	8	4	33	31	11.1	76.3	5	3.2
2013	12	9	7	39	41	9.5	92.9	10	4.5
2013	12	9	8	38	58	35.4	77.4	10	3.8
2013	12	9	10	54	18	11	76.3	5	3.4
2013	12	13	10	21	48	27.8	95.4	10	3.5
2013	12	16	4	31	35	26.8	89.4	10	3.5
2013	12	17	7	34	48	24.9	94.9	118	4.2
2013	12	17	8	56	28	24.1	91.1	20	3.8
2013	12	17	14	45	52	31.5	78	10	3.3
2013	12	20	3	4	33	14.4	93	12	5.1
2013	12	21	14	21	44	36.5	71.5	84	5.2
2013	12	25	2	56	52	31.2	78.3	10	4
2013	12	30	9	44	11	24.3	93.2	10	4.5

Year / वर्ष	Mon/ माह	Day/ दिन	Origine Time/ उत्पत्ति का समय			Latituede/ अक्षांश (Deg. N)/ (डिग्री .उ)	Longitude/ देशान्तर (Deg. E)/ (डिग्री. पू )	Depth / गहराई	Magnitude/ परिमाण
			Hr/ घंटे	Min/ मिनट	Sec/ सैकेंड				
			(in UTC)/ (यूटीसी में)						
2014	1	5	13	30	46	33.3	75.9	10	3.6
2014	1	7	13	50	24	20.5	73.8	5	3.4
2014	1	14	15	41	7	36.6	71.7	92	5.1
2014	1	20	14	40	55	29.7	80.3	15	2.8
2014	1	26	12	38	35	23.1	96	10	5.1
2014	1	29	13	46	44	23.9	93.9	33	5.1
2014	1	30	12	17	16	22.9	94.3	66	4.7
2014	2	2	23	44	0	12.4	95.2	10	5.2
2014	2	10	17	18	7	26.2	74.4	5	2.8
2014	2	12	9	19	47	36	82.6	10	6.8
2014	2	13	6	23	37	11.5	93.7	33	4.5
2014	2	16	19	2	30	30.5	79.2	5	3.3
2014	2	17	0	30	42	30.3	79.9	5	3.2
2014	2	23	17	4	50	27.2	92.5	10	4.8
2014	2	24	14	15	5	30.5	79.2	5	3.5
2014	2	26	20	58	49	24.5	93.7	10	4.2
2014	2	28	5	50	38	7.4	94.3	95	5.1
2014	2	28	13	11	30	24.3	91.2	10	4
2014	3	6	12	39	54	26.2	90.1	19	3.7
2014	3	8	19	1	10	23.3	70.3	5	3.9
2014	3	11	11	23	55	13.8	93	32	4.8
2014	3	14	13	38	8	7.7	94.4	10	5.5
2014	3	15	5	9	13	24	93.6	35	3.7
2014	3	15	6	30	49	7.4	94.2	33	4.7
2014	3	19	14	15	43	36.4	70.8	183	5
2014	3	21	13	41	6	7.5	94.2	15	6.3
2014	3	21	14	11	13	7.7	94.4	10	5.3
2014	3	21	14	25	9	7.6	94.4	10	5.2
2014	3	21	21	3	40	7.4	94.2	10	5.1
2014	3	22	7	32	27	26.5	90.4	10	3.5
2014	3	25	0	54	36	18.5	73.8	5	3

2014	3	28	3	9	46	27.1	96.1	33	4.5
2014	3	28	10	24	7	37.2	71.2	74	5.1
2014	4	1	17	45	9	26.4	92.4	33	4.4
2014	4	2	2	3	9	17.2	73.7	5	3.2
2014	4	4	6	57	45	23.3	93.1	10	4
2014	4	6	6	38	0	25.4	93.6	28	4.3
2014	4	11	0	45	3	12.3	93.2	60	5.1
2014	4	19	8	29	16	34.1	76.3	5	4
2014	4	21	9	4	53	24.2	93.7	30	3.4
2014	4	27	9	14	4	27.6	75.5	5	3.4
2014	5	1	0	56	14	13.5	92.8	44	4.5
2014	5	14	1	54	1	29.8	80.1	7	3.5
2014	5	15	17	53	41	7.5	94.5	81	4.4
2014	5	19	21	53	32	31.9	77.1	5	4
2014	5	21	16	21	50	18.3	87.9	10	6
2014	5	28	3	19	10	25.2	94.8	35	4.6
2014	5	29	3	23	42	24.4	94.5	10	4.8
2014	5	30	6	37	50	26.5	90.4	10	4.5
2014	6	1	12	25	32	36.5	70.2	205	5.3
2014	6	4	7	20	12	22.3	93.4	41	4.2
2014	6	9	4	46	4	27.3	88.1	10	3.9
2014	6	13	13	32	48	33.3	75.8	18	4.6
2014	6	14	3	58	43	36.4	71	180	5.5
2014	6	17	17	31	8	32.2	76.1	10	4.1
2014	6	18	17	16	45	30.9	78.2	15	2.9
2014	6	20	4	20	46	36.1	68.5	34	4
2014	7	3	11	34	59	30.2	80.2	10	4.1
2014	7	3	20	40	0	35.6	75.2	10	5
2014	7	4	5	58	39	27.8	87.9	19	3.9
2014	7	6	14	48	9	30.2	80.3	10	4.5
2014	7	6	21	6	56	25.7	91.2	5	3.4
2014	7	8	15	35	40	36.2	74	97	4.9
2014	7	11	4	14	9	36.3	71.2	93	5.1
2014	7	12	0	14	17	26.2	91.4	5	3.8
2014	7	12	15	27	50	32.6	76.3	5	3.8
2014	7	18	20	44	25	28.8	77.2	5	2.5
2014	7	19	6	40	4	27.3	88.8	9	3.1
2014	7	22	20	54	41	26.1	89.9	10	3.8

2014	7	22	22	58	28	26.3	89.8	10	4.4
2014	7	22	23	35	13	26.3	89.8	18	4.2
2014	7	24	8	42	35	28.6	76.7	5	2.5
2014	7	25	4	56	17	33	76.1	10	3.9
2014	7	27	5	35	37	26.1	90.6	10	3.5
2014	7	29	7	7	11	14.3	93	35	5.5