

Possible dates of occurrence of major and great earthquakes worldwide.

By R. Ashok Kumar,

1/13,Telec CHS Ltd., Plot 30,Sector 17, Vashi, Navi Mumbai-400703

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14January 2007

A great earthquake of 8.2 MM struck Kuril Is on 13th January 2007(An 8.3 MM great quake had already struck this location on 15th November 2006.See Table MGQ0607 here). Referring to Table 167 of my predictions, a major earthquake in the range 7 to 7.7 MM was predicted to occur between 10th to 16th of January 2007. I am out for the location by one longitude band from the band 120 to 140 namely 140 to 160! The actual magnitude 8.2 MM is the average for the high limit magnitude 8.7 for December 2006 and that for January 2007,7.7 MM. I give below Table EPTS of stress build up studies for the 18 longitude bands conducted with the help of USGS data for 13th January 2007 under earthquake search(next page):

The Stress Build Up correlates extremely significantly with the absolute value of the change in the natural logarithm of the % Stress Relief Ratio as shown in the Table SBU0607 and Figure SRRTS0607:

The prediction and the actual.

The status for the hydrological year June 2006 to May 2007 is as shown below in Table MGQ0607:

Considering the magnitude of the project, the success of the prediction method shows that it is worth watching out by the governing agencies so that it mitigates suffering on a vast scale. Connecting the effect with the cause and the cause with the effect has proved fruitful.

For a more complete account see the URL:

<http://predictingquakes.blogspot.com/>

Tables and Figure:

Table EPTS: Evaluating Percent Total Stress for various Lo Bands

Date 13 Jan 2007. From Great Quake 8.2 MM at Kuril Is on 13th Jan 2007.

8.2		4.23	46.29	154.45	10 East		of Kuril Isles						%Stress			Change in		
S.No	Lo Band		Quake No		Year	Month	Date	Time	Lat	Lon	Mag	Depth,	SM, Value	%Total	ReliefRatio		%Total	Change in
			From/To								MM	km	x10E 19.05N-m	Stress	%SRR	LN(%SRR)	Stress	LN(%SRR)
1	140	160	2331	2006	11	15	111413.6	46.59	153.27	8.3	10	281.8382931	191.55	51.49544	3.941493			
			3484	2007	1	10	163606.5	44.96	147.23	4.8	148	0.001584893	200	50	3.912023	8.447982	-0.02947	
2	120	140	2542	2006	12	26	123414	22.02	120.49	7.1	10	4.466835922	199.35	50.05701	3.913162			
			2559	2007	1	8	95939.25	37.13	138.84	4.7	42	0.001122018	200	50	3.912023	0.651395	-0.001139	
3	100	120	952	2006	12	1	140147.5	-8.25	118.78	6.3	43	0.281838293	196.69	50.70545	3.926033			
			999	2007	1	5	25654.84	-8.87	109.23	4.6	35	0.000794328	200	50	3.912023	3.311175	-0.01401	
4	80	100	1312	2006	12	22	195044.8	10.69	92.39	6.3	24	0.281838293	195.12	49.09561	3.89377			
			1323	2007	1	9	52722.4	19.22	95.29	5.3	101	0.008912509	200	50	3.912023	4.882927	0.018253	
5	60	80	793	2007	1	8	172150.8	39.82	70.26	6.1	23	0.141253754	199.94	49.99676	3.911958			
			794	2007	1	9	192521.6	36.36	70.8	4.5	206	0.000562341	200	50	3.912023	0.064278	6.48E-05	
6	40	60	494	2006	12	30	83050.22	13.35	51.41	6.6	15	0.794328235	199.15	49.98184	3.91166			
			497	2007	1	11	35835.2	42.55	48.45	5.1	37	0.004466836	200	50	3.912023	0.845774	0.000363	
7	20	40	3440	2006	12	21	183054.6	39.44	23.53	5	10	0.003162278	199.47	50.13044	3.914628			
			3451	2007	1	2	90837.89	39.45	32.17	3	2	3.16E-06	200	50	3.912023	0.530384	-0.002605	
8	0	20	1392	2006	11	24	43740	36.26	15.76	4.7	11	0.001122018	192.47	51.04133	3.932636			
			1422	2007	1	7	15054.14	61.96	1.15	5	10	0.003162278	200	50	3.912023	7.528323	-0.020613	
9	-20	0	564	2006	12	3	81951.32	-0.55	-19.75	5.6	10	0.025118864	197.23	50.26029	3.917215			
			575	2006	12	19	194834.2	-25.81	-14.09	4.6	10	0.000794328	200	50	3.912023	2.76625	-0.005192	
10	-40	-20	321	2006	11	29	153844.5	53.74	-35.44	5.6	10	0.025118864	196.26	50.90656	3.929992			
			333	2007	1	5	23001.44	0.57	-25.39	4.6	10	0.000794328	200	50	3.912023	3.743343	-0.017969	
11	-60	-40	80	2006	11	29	41136.14	26.16	-44.74	4.8	10	0.001584893	195.03	50.32227	3.918448			
			82	2006	12	20	134043.3	-60.64	-50.53	4.9	10	0.002238721	200	50	3.912023	4.965302	-0.006425	
12	-80	-60	5062	2006	12	31	145502.7	-37.9	-71.14	5.6	20	0.025118864	199.61	50.03202	3.912663			
			5069	2007	1	7	105531.7	-35.41	-70.85	5	111	0.003162278	200	50	3.912023	0.3943	-0.00064	
13	-100	-80	862	2006	12	3	205216.2	14.03	-91.15	5.9	61	0.070794578	192.97	49.56691	3.903323			
			891	2007	1	8	214602.9	34.54	-96.43	2.5	5	5.62E-07	200	50	3.912023	7.02914	0.0087	
14	-120	-100	658	2006	12	15	235712.3	-35.09	-105.4	5.8	10	0.050118723	197.36	49.94925	3.911008			
			676	2007	1	9	101040.2	43.67	-108.1	3.5	5	1.78E-05	200	50	3.912023	2.642722	0.001015	
15	-140	-120	614	2006	12	28	133701.4	37.85	-122.2	2.8	9	1.58E-06	192.99	48.38742	3.87924			
			617	2007	1	9	154935	59.37	-136.9	5.7	20	0.035481339	200	50	3.912023	7.012489	0.032783	
16	-160	-140	1016	2007	1	5	165222.7	55.82	-156.1	5.8	22	0.050118723	199.68	49.97155	3.911454			
			1019	2007	1	10	11645	62.2	-151.1	3.8	76	5.01E-05	200	50	3.912023	0.320743	0.000569	
17	-180	-160	2389	2006	11	27	165603.4	54.05	-164.1	5.1	48	0.004466836	194.93	50.99354	3.931699			
			2503	2007	1	10	100122.9	53.78	-167.5	5.4	53	0.012589254	200	50	3.912023	5.074292	-0.019676	
18	160	180	1716	2006	11	29	230815.5	-25.37	179.66	5.1	498	0.004466836	196	50.84132	3.928709			
			1792	2007	1	11	85021.94	-14.49	168.04	5	35	0.003162278	200	50	3.912023	4.000989	-0.016686	

Table SBU0607 Stress Build up and Stress Relief Ratio. 06-07. Jan 06 to Jan 07.

As on 13th Jan 07.			Ref. 101113Jan07quakedata.xls					
Rank	Longitude	Band	% Total Stress'	Abs[(LN% SRR)'] b	LR of b with a	m	c	
1	140	160	8.447982	0.029470244	0.02665	0.00323	-0.00061	
2	0	20	7.528323	0.020612777	0.02368	0.00323	-0.00061	
3	-100	-80	7.02914	0.008699514	0.02207	0.00323	-0.00061	
4	-140	-120	7.012489	0.032783207	0.02201	0.00323	-0.00061	
5	-180	-160	5.074292	0.019676027	0.01576	0.00323	-0.00061	
6	-60	-40	4.965302	0.006424739	0.01541	0.00323	-0.00061	
7	80	100	4.882927	0.01825345	0.01514	0.00323	-0.00061	
8	160	180	4.000989	0.016686348	0.0123	0.00323	-0.00061	
9	-40	-20	3.743343	0.017968743	0.01147	0.00323	-0.00061	
10	100	120	3.311175	0.014010337	0.01007	0.00323	-0.00061	
11	-20	0	2.76625	0.00519226	0.00831	0.00323	-0.00061	
12	-120	-100	2.642722	0.001015469	0.00792	0.00323	-0.00061	
13	40	60	0.845774	0.000363209	0.00212	0.00323	-0.00061	
14	120	140	0.651395	0.001139453	0.00149	0.00323	-0.00061	
15	20	40	0.530384	0.002605327	0.0011	0.00323	-0.00061	
16	-80	-60	0.3943	0.000640182	0.00066	0.00323	-0.00061	
17	-160	-140	0.320743	0.000569169	0.00042	0.00323	-0.00061	
18	60	80	0.064278	6.47758E-05	-0.0004	0.00323	-0.00061	
Comment: Correlation			r	0.84063544	Correlation Coefficient			
by linear Regression of b with a			t	6.208517689	Student's t			
extremely significant:			p	1.25262E-05	probability of t			
			m	0.003226402	Slope			
			c	-0.000610991	Intercept.			

Figure SRRTS0607:Stress build up and Stress Relief Change: 06-07,Jan 06 to Jan 07 as on 13th Jan 07. Abs[LN(%SRR)] Changes linearly with Change in % Total Stress, $r=0.84, p=1.25E-5$

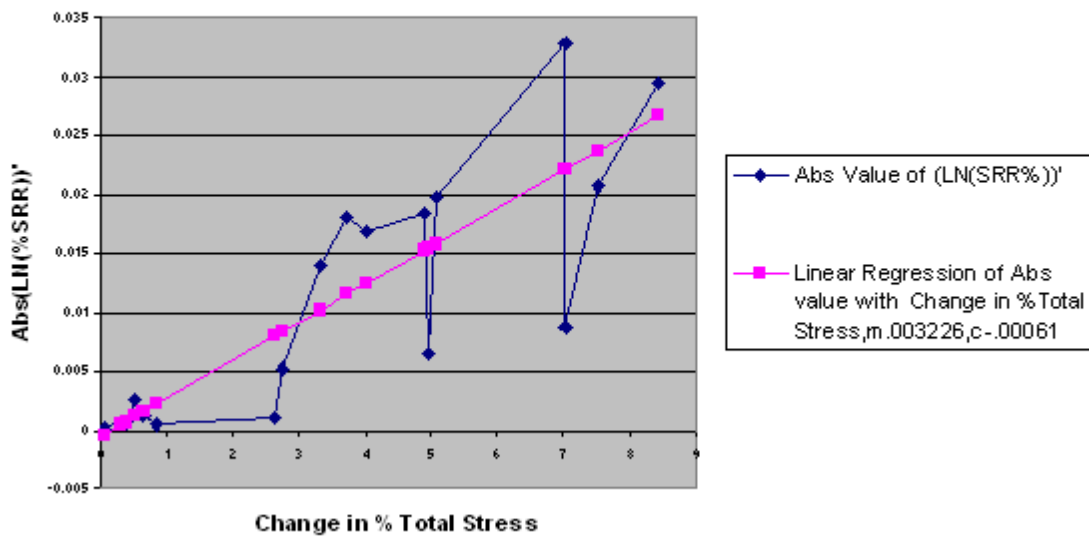


Table MG 00607: Status as on 13th January 2007						
Rank on 7th Oct 06	2	10	13	14	9	15
Rank on 31st May 06	5	6	14	13	10	
Expected date	13-20/8/06	16-22/7/06	13-20/6/06	10-17/9/06	11-17/10/06	14-20/12/06
Actual date	20-Aug-06	17-Jul-06	14-Jun-06	30-Sep-06	15-Oct-06	26-Dec-06
Expected mag	7.2-7.7	7.3-7.7	7.1-7.9	7.2-7.8	7.3-7.8	7.1-8.7
Actual mag	7	7.7	6.4	7.1	6.7	7.1
Longitude band	GK	BI	CS	CG	DQ	BU
	-40	100	160	140	-160	120
	-20	120	180	160	-140	140
Month	Aug'06	Jul'06	Jun'06	Sep'06	Oct'06	Dec'06
Actual longitude	-34.31	107.347	177.09	153.16	-156.05	120.53
Expected date				15-22/11/06		
Actual date				15-Nov-06		
Expected mag				7.2-8.0		
Actual mag				On 15/11 at		
				111466.69		
				8.3		
Actual longitude				153.22		
Expected date				10-16/1/07		
Actual date				13/07		
Expected mag				7-7.7		
Actual mag				8.2(Mean of		
				High Limits		
				of Dec 06 &		
				Jan 07)		
Actual longitude				154.45		
Probable	AL	CT	AX	AL	ED	BJ
latitude range	-70	-20	-60	-70	10	-50
based on history	-60	-10	-50	-60	20	-40
of major and	Aug'06	DF	BJ	AX	Oct'06	DF
great earthquakes	-61.01	-10	-50	-60	19.8	-10
from June 1973.	AX	0	-40	-50	FZ	0
Values in bold are	-60	Jul'06	BV	DF	50	DR
actuals.	-50	-9.295	-40	-10	60	0
	DF	DR	-30	0	GL	10
	-10	0	CH	ED	60	ED
	0	10	-30	10	70	10
	DR	ED	-20	20		20
	0	10	CT	EP		EP
	10	20	-20	20		20
	FB	FB	-10	30		30
Month	30	30	DF	FB		Dec'06
Actual latitude	40	40	-10	30		21.82
	FN		0	40		FB
	40		FZ	FN		30
	50		50	40		40
	FZ		60	50		FN
Month	50		Jun'06	Sep'06		40
Actual latitude	60		51.76	46.19		50
Month				Nov'06		
				On 15/11 at		
				111416.49		
Actual Latitude				46.56		
Month				Jan 07		
Actual Latitude				46.29		
			GL	FZ		
			60	50		
			70	60		
Note: Mnemonics indicate names of longitude and latitude bands.						

Predicting Earthquakes(continued)

Latest News

The 7th September Table:

The data as of September 7 shows that for September peak magnitude quake longitude band 3-40 to 60- has the highest rank, followed by -20 to 0. Thereafter the order of expectation is ominously longitude bands -140 to -120 to -100 to -80(the American Continents), then 60 to 80 which is the region where in October 2005 a quake of 7.6 MM struck Kashmir and then back again to -160 to -140- the region of Alaska and Hawaii. Note that the band 40-60 of Turkey and Iran has taken the highest rank, assuming that Item No. 16, longitude band -60 to -40 has not yet reached critical stress.

The spike in the time between the quakes which signifies an imminent major to a great quake correlates logarithmically inversely with the number of earthquakes (See Figure LnSpkTBQ). Thus ranking of a quake region inversely as the number of quakes during a given period indicates the order in which quakes may indeed occur, assuming that the magnitude of the spike in a longitude band is a measure of its imminence in a set of longitude band slices.

Tables 167 and 1 give the predictions and the actuals as of date(14 September 2006) for the hydrological years June 2006 tp May 2007 and June 2005 to May 2006. It reveals to what extent so far, the predictions have turned out correct for remedial short and long term action.

Table PMQSep06May07: Prediction of Peak Magnitude Quakes: September '06 to May '07.														
Based on earthquake data from January 2006 to September 2006 as on 7th September 2006.														
S.No.	Long Band	Q	Spike date	Spike TBQ	Mean Lat	Mean Long	Mean Depth, km	MTBQ	sdp Lat	sdp Long	Rank	Order of PMQ	Q for Order of PMQ	Predictions Ref:Table167 Row 2: actual.
1	0-20	902	15/8/06	121	44.56	12.44	12.96	18.88	12.02	5.41	1	16	60	
2	20-40	2414	28/8/06	90	34.43	24.56	20.39	6.419	15.05	4.11	2	17	240	20/8/06,7.0
3	40-60	351	23/8/06	189	23.85	51.88	16.75	49.07	19.38	5.41	3	3	351	0910177.27.8
4	60-80	569	29/8/06	102	25.18	71.5	55.25	30.69	23.22	3.36	4	18	367	1011177.37.8
5	80-100	1020	22/8/06	95	11	94.38	30.84	16.65	13.55	3.68	5	12	383	1115227.28.0
6	100-120	728	16/8/06	89	-3.46	109.4	31.68	23.62	18.75	4.83	6	13	448	1214207.18.7
7	120-140	1617	2/8/06	55	8.06	127.8	99.92	10.13	16.56	5.44	7	14	533	0110167.07.7
8	140-160	1460	3/8/06	51	13.32	147.4	80.96	11.33	23.54	4.98	8	4	569	0210166.87.6
9	160-180	1280	1/9/06	58	3.441	171.2	107.1	13.02	43.05	5.74	9	11	648	0312187.08.0
10	-180 to -160	1774	17/8/06	61	-4.65	-175	172.1	9.148	32.57	4.49	10	6	728	0413207.07.7
11	-160 to -140	648	21/8/06	418	59.16	-150	47.36	26.79	15.81	4.5	11	1	902	0514217.37.7
12	-140 to -120	383	25/8/06	80	41.99	-125	7.013	45.9	18.7	5	12	5	1020	0613207.17.9
13	-120 to -100	448	17/8/06	167	26.58	-111	12.56	39.17	17.8	6.24	13	9	1280	0716227.37.7
14	-100 to -80	533	22/8/06	101	13.38	-92.4	49.43	32.83	11.91	5.41	14	8	1460	0813207.27.7
15	-80 to -60	3208	13/8/06	54	-8.37	-68.5	62.08	4.607	23.52	3.72	15	7	1617	
16	-60 to -40	60	19/8/06	329	15.01	-47	11.55	300.6	31.45	5.48	16	10	1774	
17	-40 to -20	240	20/8/06	296	-13.2	-29.1	34.12	73.05	49.65	3.84	17	2	2414	
18	-20 to 0	367	31/8/06	194	33.63	-7.84	10.55	47.92	26.63	5.03	18	15	3208	
Correlations														
			Type of Regression			r	df	t	p					
1	Rank,Spike TBQ		Linear		-0.64	16	3.291	0.005						
2	Q,Spike TBQ		Linear		-0.55	16	2.632	0.018						
3	Q,Spike TBQ		Log		-0.67	16	3.636	0.002						
4	Q,Spike TBQ		Log-Log		-0.76	16	4.644	3E-04						
Note: The notation for the predictions column is : for item 3 as an illustration:in the code 0910177.27.8, 09 means September month, 1017 means between the 10th to the 17th and 7.37.8 means the 95% confidence limits for the peak magnitude quake are 7.3 and 7.8														
Q: No. of Earthquakes;TBQ: Time between Quakes;MTBQ: Mean Time Between Quakes.														
PMQ: Peak Magnitude Quake.														
Predicting Earthquakes by R. Ashok Kumar														

Table 167: Predicting Worldwide Earthquake Peak					
Magnitude and Date of Occurrence					
Period	June 06 to May 07			As on 12 Sep 2006	
Basis	Cause: Indian dams			Magnitude	
Expected	Date		MM		
	Month	Low	High	Low	High
2006	June	13	20	7.1	7.9
	July	16	22	7.3	7.7
	August	13	20	7.2	7.7
	September	10	17	7.2	7.8
	October	11	17	7.3	7.8
	November	15	22	7.2	8
2007	December	14	21	7.1	8.7
	January	10	16	7	7.7
	February	10	16	6.8	7.6
	March	12	18	7	8
	April	13	20	7	7.7
	May	14	21	7.3	7.7
Actual		Mag.	Hypocenter		Region,Country
			Lat,Long		
	Date	MM	Depth,km		
06-07	14-Jun-06	6.4	51.76, 177.09		Rat Is
			14		Alaska,USA
	17-Jul-06	7.7	-9.295, 107.347		South of Java, Indonesia
20-Aug-06		7	-61.011, -34.37		Scotia Sea
			10		
05-06	24-Jul-05	7.2	7.916, 92.137		Nicobar Is., India
			10		
16-Aug-05		7.2	38.251, 142.059		East Coast of Honshu, Japan
			36		
9-Sep-05		7.7	-4.540, 153.402		New Ireland PNG
			117		
8-Oct-05		7.6	34.402, 73.560		Muzzafarabad, POK
			10		
14-Nov-05		7	38.138, 144.886		East Coast of Honshu, Japan
			29.8		
5-Dec-05		6.8	-6.22, 29.77		RVLCT
			22		
27-Jan-06		7.6	-5.462, 128.096		Banda Sea Indonesia
			351.7		
22-Feb-06		7.4	-21.215, 33.337		RVM
			10		
14-Mar-06		6.7	-3.59, 127.22		Seram Indonesia
			30		
20-Apr-06		7.6	61.07, 167.08		Koryakia Russia
			22		
3-May-06		7.9	-20.088, -174.219		TK
			55		
Note:	PNG:		Papua New Guinea		
	RVLCT:	Rift Valley, Lake Tanganyka, Congo, Tanzania			
	RVM:	Rift Valley, Mozambique			
	TK:	Tonga, Kermadec Is. Region			
Reference:	http://monsoonquakes.rediffblogs.com				

Figure LnSpkTBQ: The Spike TBQs correlate in log-log mode statistically extremely significantly: $r = -0.7577$, $df = 16$, $p = 0.0002702$. Longitude bands of 20 degrees width between 0 to 180 and -0 to -180. January to September 2006 as on 7th September 2006.

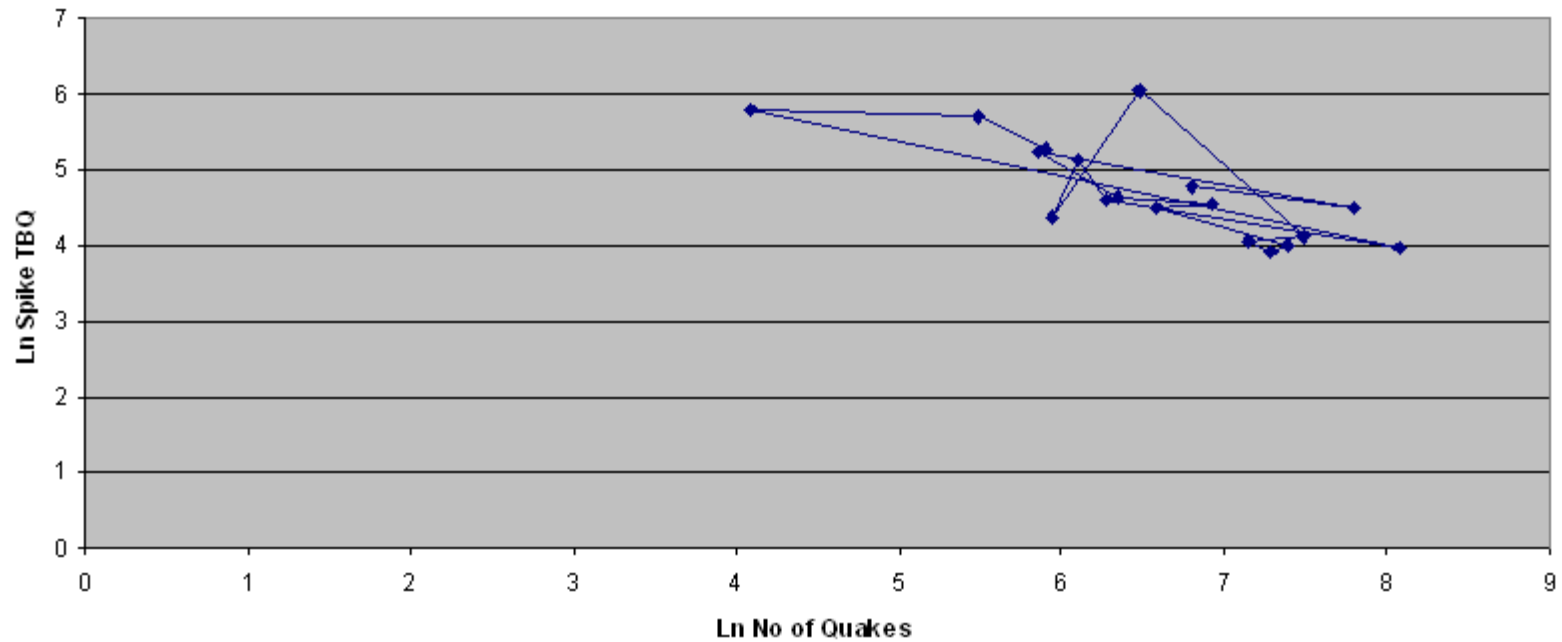


Table 1	Predicting Worldwide Earthquake Peak Magnitude				
	and date of occurrence				
Period	Jun 05 to May 06		Updated:	As on 5th May 2006	
Basis	Cause: Indian dams				
Expected	Date of peak	Magnitude,MM	Nature	Location	
2005	13-20 June	6.9-7.9	Strong-Major	-	
	16-24 Jul	7.3-7.7	Major	-	
	17-26 Aug	7.2-7.7	Major	Japan to Indonesia	
	9-18 Sep	7.1-7.8	Major	Japan to Indonesia	
	11-17 Oct	7.2-7.9	Major	Japan to Indonesia,California	
	7-16 Nov	7.2-8.0	Major-Great		
	10-19 Dec	7.1-8.7	Major-Great		
2006	14 Jan	7-7.7	Major		
	24-28 Feb	6.7-7.6	Strong-Major		
	20-31 Mar	7-8.1	Major-Great		
	12-21 Apr	7-7.6	Major		
	16-27May	7.2-7.9	Major		
	Actual	Date of peak	Magnitude, MM	Nature	Hypo center Lat,L ong Depth,km
	13-Jun-05	7.9	Major	-19.96,-69.11 115	Tarapaca Chile
	24-Jul-05	7.2	Major	7.916,92.137 10	Nicobar Is.,India
	16-Aug-05	7.2	Major	38.251, 142.059 36	East Coast of Honshu
	9-Sep-05	7.7	Major	-4.540, 153.402 117	New Ireland PNG
	8-Oct-05	7.6	Major	34.402,73.560 10	Muzzafara- bad,POK
	14-Nov-05	7	Major	38.138,144.886 29.8	East Coast of Honshu
	5-Dec-05	6.8	Strong	-6.22,29.77 22	RVLCT
	27-Jan-06	7.6	Major	-5.462, 128.096 351.7	Banda Sea Indonesia
	22-Feb-06	7.4	Major	-21.215,33.337 10	RVM
	14-Mar-06	6.7	Strong	-3.59,127.22 30	Seram Indonesia
	20-Apr-06	7.6	Major	61.07,167.08 22	Koryakia Russia
	3-May-06	7.9	Major	-20.088,-174.219 55	Tonga,KR
Note: PNG: Papua New Guinea			LTCT: Lake Tanganyka,Congo		
RVM: Rift Valley, Mozambique			RVLCT: Rift Valley, Lake		
Tanganyka,Congo		Tonga KR: Tonga Kermadec Is. Region.			
Reference:	http://monsoonquakes.rediffblogs.com				

Table P56:		Predictions for June 2005 to May 2006 and June 2006 to May 2007											Prediction		Actual: June 05-May 06 & beyond.					
S.	Longitude	05-06	Rank	Rank	Mean	Mean	sd	sd	Mean		Spike	Spike	Date	Mag	Date	Mag	Lat	Long	Depth,	
No.	Slice	Q	05-06	06-07	Lat	Long	lat	long	Depth,	MTBQ	Date	TBQ	05-06	MM		MM			km.	
		31/5/05	31/5/05	31/5/06					km.											
1	0-20	684	12	11	45.18	12.19	13.67	5.195	10.17	19.146	29/5/05	116								
2	20-40	1363	16	17	36.75	25.4	11.01	3.756	22.89	9.116	30/5/05	28	10-19 Dec	7.1-8.7	5-Dec-05	6.8	-6.22	29.77	22	
			(2)										24-28 Feb	6.7-7.6	22-Feb-06	7.4	-21.2	33.337	10	
3	40-60	216	3	4	26.7	48.39	21.31	6.184	20.05	62.819	25/5/05	267	Did not occur in 05-06.							
4	60-80	221	4	9	25.52	71	21.18	3.774	65.34	60.859	29/5/05	111	11-17 Oct	7.2-7.9	8-Oct-05	7.6	34.4	73.56	10	
5	80-100	3778	18	12	6.058	95.19	9.499	2.689	29.67	2.6447	27/5/05	38	16-24 Jul	7.3-7.7	24-Jul-05	7.2	7.916	92.137	10	
6	100-120	207	2	6	-6.31	111	24.32	6.944	34.12	65.325	26/5/05	189	16-22/7/06	7.3-7.7	17-Jul-06	7.7	-9.3	107.347	10	
7	120-140	880	13	15	7.926	128	18.84	5.684	98.18	14.477	30/5/06	41	1-4 Jan	7-7.7	27-Jan-06	7.6	-5.46	128.096	351.7	
			(2)										20-31 Mar	7-8.1	14-Mar-06	6.7	-3.59	127.22	30	
8	140-160	916	14	13	17.77	146.8	22.96	5.394	77.22	13.995	29/5/05	42	17-26 Aug	7.2-7.7	16-Aug-05	7.2	38.25	142.059	36	
			(3)										9-18 Sep	7.1-7.8	9-Sep-05	7.7	-4.54	153.402	117	
													7-16 Nov	7.2-8.0	14-Nov-05	7	38.14	144.886	29.8	
9	160-180	636	11	14	-15.7	172.4	32.71	6.024	117.9	20.52	24/5/05	86	12-21 Apr	7-7.6	20-Apr-06	7.6	61.07	167.08	22	
													13-20/6/06	7.1-7.9	14-Jun-06	6.4	51.76	177.09	14	
10	-180 to -160	994	15	16	14.07	-174	38.01	5.633	155.8	12.864	29/5/05	70	16-27May	7.2-7.9	3-May-06	7.9	-20.1	-174.219	55	
11	-160 to -140	531	10	10	59.06	-151	11.17	3.96	45.44	24.949	27/5/05	71								
12	-140 to -120	311	7	3	41.56	-126	18.94	5.175	7.18	42.884	28/5/05	141								
13	-120 to -100	305	6	7	21.41	-110	20.97	6.824	11.7	44.164	29/5/05	129								
14	-100 to -80	488	9	8	12.01	-90.5	11.62	6.078	46.7	27.113	28/5/05	74								
15	-80 to -60	1558	17	18	-12.8	-69.2	22.75	3.636	73.51	7.8452	24/5/05	29	13-20 June	6.9-7.9	13-Jun-05	7.9	-20	-69.11	115	
16	-60 to -40	23	1	1	17.33	-48.3	28.47	6.264	21.87	591.27	11/5/05	1863								
17	-40 to -20	254	5	5	26.62	-27.3	51.34	2.832	21.81	52.253	29/5/05	181	13-20/8/06	7.2-7.7	20-Aug-06	7	-61	-34.31	10	
18	-20 to 0	416	8	2	34.84	-5.52	19.83	4.502	8.231	32.072	31/5/05	89								

Table SRCC05060607: Spearman's Rank					
Correlation: Peak Magnitude Earthquake					
Hydrological Years June 2005 to May 2006 &					
June 2006 to May 2007					
S.No.	Rank	Rank	DiffRa	Rank	DiffRank^2
	05-06	06-07		06-07	
	31/5/05	7-Sep-06		31/5/06	
A	B	C	D	E	F
			(B-C)^2		(B-E)^2
1	12	11	1	11	1
2	16	17	1	17	1
	(2)				
3	3	3	0	4	1
4	4	8	16	9	25
5	18	12	36	12	36
6	2	10	64	6	16
7	13	15	4	15	4
	(2)				
8	14	14	0	13	1
	(3)				
					0
9	11	13	4	14	9
					0
10	15	16	1	16	1
11	10	9	1	10	0
12	7	5	4	3	16
13	6	6	0	7	1
14	9	7	4	8	1
15	17	18	1	18	1
16	1	1	0	1	0
17	5	2	9	5	0
18	8	4	16	2	36
Sum			162		150
N			18		18
df			16		16
r:	1-6*Sum/(N^3-N)		0.83		0.845201
t			6.02		6.325786
p			0		1.01E-05