

Earthquake Bulletin for the Month of October 2009

Event#1

Date	Time	Mag	Lat	Long	Depth	Region
10/02/09	13:49:13	5	39.37 N	96.09 E	10 km	Gansu, China
<b>station</b>	<b>distance</b>	<b>azimuth</b>	<b>phase</b>	<b>Arrival time</b>	<b>Polarity</b>	
BLKT	18.8	262	P	13:53:30.50	ep	
SLV	19.2	157	P	13:53:37.50	ipd	
3249	19.3	260	P	13:53:39.90	ipd	
CHTL	19.5	267	P	13:53:39.20	ep	
CHTO	20.7	172	P	13:53:52.00	ep	
KBL	22.1	266	P	13:54:07.60	ep	
INCN	24	85	P	13:54:27.30	ipd	
QUET	25.5	258	P	13:54:53.40	ipd	
MALT	44.3	288	P	13:57:24.80	ep	
SUW	49.9	312	P	13:58:09.60	ipd	
HRFI	50.2	279	P	13:58:10.10	ipd	
ISP	50.2	290	P	13:58:12.90	ep	
KZIT	50.3	280	P	13:58:11.80	ipd	
EIL	50.4	279	P	13:58:11.10	ipd	
MORC	54.5	309	P	13:58:39.40	ep	
SUMG	64	346	P	13:59:45.10	ep	
WVOR	92.7	25	P	14:02:24.90	ep	
HLID	93	22	P	14:02:26.40	ep	

Event#2

Date	Time	Mag	Lat	Long	Depth	Region
10/03/09	10:03:22	4.1	37.22 N	71.99 E	146 km	Afghanistan-Tajikistan Border Region
<b>station</b>	<b>distance</b>	<b>azimuth</b>	<b>phase</b>	<b>Arrival time</b>	<b>Polarity</b>	
CHTL	1.3	187	P	10:03:50.80	ep	
BLKT	2.9	157	P	10:04:08.70	ipd	
KBL	3.6	223	P	10:04:17.10	ep	
KBL	3.6	223	S	10:04:59.80	es	
3249	3.6	166	P	10:04:18.10	ipd	
3249	3.6	166	S	10:05:02.20	es	
AAK	5.7	19	P	10:04:44.10	ipd	
AAK	5.7	19	S	10:05:46.30	es	
ZHOB	6.2	200	P	10:04:51.70	ep	
ZHOB	6.2	200	S	10:05:59.50	es	

Event#3

Date	Time	Mag	Lat	Long	Depth	Region
10/03/09	11:29:01	3.2	36.46 N	71.22 E	166 km	Afghanistan-Tajikistan Border Region
<b>station</b>	<b>distance</b>	<b>azimuth</b>	<b>phase</b>	<b>Arrival time</b>	<b>Polarity</b>	
CHTL	0.7	141	P	11:29:47.10	ipd	
BLKT	0.7	141	S	11:29:47.10	es	
BLKT	2.6	137	P	11:29:44.50	ep	
KBL	2.6	137	S	11:30:19.00	es	
KBL	2.6	223	P	11:29:46.00	ep	
MUZF	2.6	223	S	11:30:19.60	es	
MUZF	2.8	138	P	11:29:47.50	ipd	
3249	2.8	138	S	11:30:24.50	es	
3249	3.2	151	P	11:29:47.70	ep	
	3.2	151	S	11:30:40.40	es	

Event#4

Date	Time	Mag	Lat	Long	Depth	Region
10/04/09	21:50:52	4.7	31.59 N	49.73 E	10 km	Western Iran
<b>station</b>	<b>distance</b>	<b>azimuth</b>	<b>phase</b>	<b>Arrival time</b>	<b>Polarity</b>	
RAYN						
MALT	8.9	206	P	21:52:59.20	iPd	
MMLI	11.4	309	P	21:53:34.20	eP	
HRFI	12.2	278	P	21:53:46.10	iPd	
EIL	12.7	267	P	21:53:49.80	iPd	
KZIT	12.9	265	P	21:53:51.70	iPd	
CSS	13.1	271	P	21:54:04.10	eP	
KBL	14.1	288	P	21:54:13.00	eP	
ISP	16.5	75	P	21:54:44.00	eP	
DAMY	17	297	P	21:54:48.80	eP	
3249	17.6	197	P	21:55:02.60	eP	
ZKR	19.8	78	P	21:55:23.60	eP	
LAST	19.9	286	P	21:55:30.50	eP	
SANT	20.5	287	P	21:55:29.30	eP	
APE	20.7	290	P	21:55:32.10	iPd	
TIRR	20.7	292	P	21:55:29.30	iPd	
SIVA	21.1	314	P	21:55:35.80	eP	
AAK	21.1	286	P	21:55:39.40	eP	
BRVK	22.5	54	P	21:55:50.90	eP	
KWP	26.1	29	P	21:56:22.50	eP	
PSZ	27.1	320	P	21:56:35.40	eP	
SUW	27.9	314	P	21:56:46.90	eP	
MORC	29.4	327	P	21:56:53.40	eP	
IBBN	30.1	316	P	21:57:10.00	eP	
WLF	36.8	317	P	21:58:14.40	eP	
CHTO	37.1	312	P	21:58:15.90	eP	
MTE	46	94	P	21:59:14.30	iPd	
SLV	46.5	298	P	21:59:20.90	eP	
	49.1	88	P	21:59:40.50	eP	

<b>Event#5</b>						
Date	Time	Mag	Lat	Long	Depth	Region
06/10/2009	07:56:35	4.1	34.57 N	71.36 E	10 km	Pakistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1.4	15	P	07:56:59.90	ep	
CHTL	1.4	15	S	07:57:17.60	es	
BLKT	1.6	91	P	07:57:03.40	ipd	
BLKT	1.6	91	S	07:57:25.40	es	
3249	1.7	122	P	07:57:03.30	ipd	
3249	1.7	122	S	07:57:27.50	es	
KBL	1.9	270	P	07:57:07.70	ipd	
KBL	1.9	270	S	07:57:33.70	es	
<b>Event#6</b>						
Date	Time	Mag	Lat	Long	Depth	Region
07/10/2009	03:22:54	4.2	38.62 N	73.60 E	10 km	Tajikistan-Xinjiang Border Region
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	3.1	208	P	03:23:43.90	ep	
CHTL	3.1	208	S	03:24:21.10	es	
AAK	4.1	9	P	03:23:54.60	ep	
BLKT	4.1	183	P	03:23:58.60	ipd	
BLKT	4.1	183	S	03:24:44.30	es	
MUZF	4.3	181	P	03:24:01.00	ep	
MUZF	4.3	181	S	03:24:49.90	es	
3249	5	185	P	03:24:10.40	ipd	
3249	5	185	S	03:25:04.60	es	
KBL	5.5	223	P	03:24:31.70	ep	
<b>Event#7</b>						
Date	Time	Mag	Lat	Long	Depth	Region
07/10/2009	08:28:59	4.1	36.58 N	70.73 E	56 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1.1	129	P	08:29:19.40	ep	
CHTL	1.1	129	S	08:29:32.90	es	
KBL	2.5	215	P	08:29:37.80	ipd	
KBL	2.5	215	S	08:30:06.40	es	
BLKT	2.9	133	P	08:29:43.30	ep	
BLKT	2.9	133	S	08:30:12.60	es	
MUZF	3.2	134	P	08:29:46.60	ep	
3249	3.5	146	P	08:29:50.90	ipd	
3249	3.5	146	S	08:30:21.20	es	
ZHOB	5.3	192	P	08:30:16.10	ep	
AAK	6.7	24	P	08:30:34.30	ipd	
AAK	6.7	24	S	08:31:53.50	es	
<b>Event#8</b>						
Date	Time	Mag	Lat	Long	Depth	Region
07/10/2009	11:09:21	2.1	34.81 N	73.20 E	10 km	Pakistan
station	distance	azimuth	phase	Arrival time	Polarity	
BLKT	0.3	159	P	11:09:27.20	ipd	
BLKT	0.3	159	S	11:09:32.80	es	
MUZF	0.5	151	P	11:09:32.10	ep	
MUZF	0.5	151	S	11:09:39.80	es	
3249	1.1	186	P	11:09:41.40	ep	
3249	1.1	186	S	11:09:57.60	es	
CHTL	1.6	313	P	11:09:48.80	ep	

<b>Event#9</b>						
Date	Time	Mag	Lat	Long	Depth	Region
07/10/2009	19:51:35	3.7	35.21 N	71.11 E	10 km	Pakistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	0.9	39	P	19:51:48.60	ep	
CHTL	0.9	39	S	19:52:05.70	es	
KBL	1.8	249	P	19:52:07.20	ipd	
BLKT	1.9	110	P	19:52:08.10	ep	
MUZF	2.1	113	P	19:52:12.20	ipd	
3249	2.2	133	P	19:52:15.30	ipd	
<b>Event#10</b>						
Date	Time	Mag	Lat	Long	Depth	Region
08/10/2009	03:31:04	2.7	35.47 N	70.59 E	10 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1.1	67	P	03:31:23.30	ep	
CHTL	1.1	67	S	03:31:39.90	es	
KBL	1.6	234	P	03:31:29.90	ipd	
KBL	1.6	234	S	03:31:55.20	es	
BLKT	2.4	112	P	03:31:42.50	ipd	
BLKT	2.4	112	S	03:32:16.40	es	
<b>Event#11</b>						
Date	Time	Mag	Lat	Long	Depth	Region
08/10/2009	12:11:47	3.5	36.24 N	70.94 E	121 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	0.8	117	P	12:12:08.80	ep	
CHTL	0.8	117	S	12:12:24.60	es	
KBL	2.3	223	P	12:12:24.60	ep	
KBL	2.3	223	S	12:12:54.50	es	
BLKT	2.6	130	P	12:12:29.60	ipd	
BLKT	2.6	130	S	12:13:01.10	es	
MUZF	2.8	131	P	12:12:32.00	ipd	
MUZF	2.8	131	S	12:13:06.60	es	
3249	3.1	145	P	12:12:36.10	ep	
3249	3.1	145	S	12:13:11.80	es	
AAK	7	22	P	12:13:25.10	ep	
AAK	7	22	S	12:14:38.70	es	
<b>Event#12</b>						
Date	Time	Mag	Lat	Long	Depth	Region
08/10/2009	18:40:46	3.4	30.24 N	66.99 E	71 km	Pakistan
station	distance	azimuth	phase	Arrival time	Polarity	
QUET	0	231	P	18:40:41.60	ipd	
ZHOB	2.4	62	P	18:41:23.00	ep	
KBL	4.6	21	P	18:41:53.80	ep	
UMKT	5.5	153	P	18:42:04.90	ipd	
TURB	5.5	221	P	18:42:05.20	ep	
3249	6.2	55	P	18:42:14.60	ep	
MUZF	6.9	52	P	18:42:23.50	ep	
CHTL	6.9	34	P	18:42:23.80	ipd	
<b>Event#13</b>						
Date	Time	Mag	Lat	Long	Depth	Region
08/10/2009	19:27:37	3.6	36.95 N	71.70 E	110 km	Afghanistan-Tajikistan Border Region
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1.1	176	P	19:27:59.00	ipd	
CHTL	1.1	176	S	19:28:17.70	es	
BLKT	2.8	151	P	19:28:20.60	ep	
BLKT	2.8	151	S	19:28:53.70	es	
MUZF	3	150	P	19:28:23.20	ep	
MUZF	3	150	S	19:28:59.50	es	
KBL	3.2	223	P	19:28:25.60	ep	
KBL	3.2	223	S	19:29:05.80	es	
3249	3.4	161	P	19:28:30.30	ipd	
3249	3.4	161	S	19:29:11.90	es	

Event#14						
Date	Time	Mag	Lat	Long	Depth	Region
10/10/2009	11:52:20	3.7	36.56 N	70.95 E	198 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1	135	P	11:52:50.70	ep	
CHTL	1	135	S	11:53:12.80	es	
KBL	2.5	218	P	11:53:05.00	ep	
KBL	2.5	218	S	11:53:38.60	es	
BLKT	2.8	135	P	11:53:08.00	ipd	
BLKT	2.8	135	S	11:53:44.10	es	
MUZF	3	136	P	11:53:10.70	ipd	
MUZF	3	136	S	11:53:49.20	es	
3249	3.3	148	P	11:53:14.80	ep	
3249	3.3	148	S	11:53:55.90	es	
ZHOB	5.4	194	P	11:53:39.30	ep	
ZHOB	5.4	194	S	11:54:40.80	es	
AAK	6.7	23	P	11:53:55.80	ipd	
AAK	6.7	23	S	11:55:10.50	es	

Event#15						
Date	Time	Mag	Lat	Long	Depth	Region
10/10/2009	12:39:23	3	36.57 N	71.00 E	223 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	0.9	137	P	12:39:55.70	iPd	
CHTL	0.9	137	S	12:40:19.90	es	
KBL	2.6	219	P	12:40:09.90	eP	
KBL	2.6	219	S	12:40:46.80	es	
BLKT	2.8	136	P	12:40:15.40	eP	
BLKT	2.8	136	S	12:40:52.40	es	
MUZF	3	137	P	12:40:14.30	eP	
MUZF	3	137	S	12:40:54.50	es	
3249	3.3	149	P	12:40:17.30	eP	
3249	3.3	149	S	12:41:01.30	es	

Event#16						
Date	Time	Mag	Lat	Long	Depth	Region
12/10/2009	04:03:41	3.3	36.00 N	70.14 E	120 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1.3	95	P	04:04:06.70	ipd	
CHTL	1.3	95	S	04:04:27.80	es	
KBL	1.7	212	P	04:04:10.70	ipd	
KBL	1.7	212	S	04:04:35.50	es	
MUZF	3.2	120	P	04:04:29.60	ep	
MUZF	3.2	120	S	04:05:08.80	es	

Event#17						
Date	Time	Mag	Lat	Long	Depth	Region
13/10/2009	02:22:58	3.7	30.14 N	66.94 E	10 km	Pakistan
station	distance	azimuth	phase	Arrival time	Polarity	
QUET	0.1	23	P	02:22:57.80	eP	
QUET	0.1	23	S	02:23:04.90	es	
KBL	4.7	22	P	02:24:08.60	iPd	
KBL	4.7	22	S	02:25:10.50	es	
UMKT	5.4	152	P	02:24:19.70	eP	
UMKT	5.4	152	S	02:25:30.30	es	
TURB	5.4	221	P	02:24:19.60	eP	
TURB	5.4	221	S	02:25:29.60	es	
3249	6.3	54	P	02:24:29.10	eP	
3249	6.3	54	S	02:25:46.80	es	
BLKT	7	49	P	02:24:38.10	eP	
BLKT	7	49	S	02:26:02.80	es	
MUZF	7	51	P	02:24:43.90	eP	
MUZF	7	51	S	02:26:03.40	es	
CHTL	7	34	P	02:24:44.60	iPd	
CHTL	7	34	S	02:26:05.30	es	

Event#18						
Date	Time	Mag	Lat	Long	Depth	Region
15/10/2009	07:30:40	4.5	37.03 N	71.58 E	124 km	Afghanistan-Tajikistan Border Region
station	distance	azimuth	phase	Arrival time	Polarity	
KBL	4.4	198	P	12:48:27.90	eP	
BLKT	4.7	152	P	12:48:30.70	eP	
AAK	4.8	36	P	12:48:32.50	eP	
3249	5.4	158	P	12:48:41.20	eP	
ZHOB	7.5	188	P	12:49:06.80	eP	
UMKT	13.4	184	P	12:50:26.10	eP	
BRVK	14.3	359	P	12:50:40.50	eP	
MALT	25.2	279	P	12:52:44.80	ipd	
RAYN	26.2	242	P	12:52:52.70	eP	
HRFI	30.5	264	P	12:53:33.00	eP	
KZIT	30.6	266	P	12:53:34.20	iPd	
EIL	30.7	264	P	12:53:34.60	iPd	
SLV	33.4	112	P	12:53:58.20	eP	
KWP	35.5	304	P	12:54:15.50	eP	
FLT1	42.6	309	P	12:55:13.70	eP	
KMBO	50.2	226	P	12:56:14.70	eP	
SUMG	58.8	341	P	12:57:18.10	eP	
EGAK	73.8	14	P	12:58:56.80	eP	
FITZ	76.5	127	P	12:59:08.50	ep	

Event#19						
Date	Time	Mag	Lat	Long	Depth	Region
14/10/2009	02:01:57	3.8	36.61 N	70.19 E	176 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1.5	119	P	02:02:30.10	ipd	
CHTL	1.5	119	S	02:02:54.00	es	
KBL	2.3	205	P	02:02:38.50	ep	
KBL	2.3	205	S	02:03:09.00	es	
BLKT	3.3	128	P	02:02:48.40	ep	
BLKT	3.3	128	S	02:03:32.40	es	
MUZF	3.5	129	P	02:02:51.80	ep	
3249	3.7	140	P	02:02:54.40	ipd	
AAK	6.9	28	P	02:03:35.50	ep	
AAK	6.9	28	S	02:04:51.80	es	

Event#20						
Date	Time	Mag	Lat	Long	Depth	Region
14/10/2009	04:22:38	4.5	38.26 N	73.47 E	135 km	Tajikistan-Xinjiang Border Region
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	2.7	210	P	04:23:23.30	ep	
CHTL	2.7	210	S	04:23:56.50	es	
BLKT	3.7	182	P	04:23:34.80	ep	
BLKT	3.7	182	S	04:24:16.30	es	
MUZF	3.9	180	P	04:23:40.40	ipd	
MUZF	3.9	180	S	04:24:23.10	es	
AAK	4.4	10	P	04:23:41.80	ipd	
3249	4.6	184	P	04:23:46.80	ipd	
3249	4.6	184	S	04:24:39.10	es	
KBL	5.1	225	P	04:23:56.70	ep	
KBL	5.1	225	S	04:24:52.80	es	

Event#21						
Date	Time	Mag	Lat	Long	Depth	Region
15/10/2009	07:30:40	4.5	37.03 N	71.58 E	124 km	Afghanistan-Tajikistan Border Region
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1.2	172	P	07:31:05.20	eP	
CHTL	1.2	172	S	07:31:23.40	es	
BLKT	2.9	150	P	07:31:26.20	eP	
BLKT	2.9	150	S	07:31:59.90	es	
MUZF	3.1	149	P	07:31:29.30	eP	
MUZF	3.1	149	S	07:32:06.30	es	
KBL	3.2	221	P	07:31:30.50	eP	
KBL	3.2	221	S	07:32:09.50	es	
3249	3.5	160	P	07:31:36.40	eP	
ZHOB	5.9	198	P	07:32:04.90	eP	
AAK	6	21	P	07:32:06.30	iPd	

Event#22						
Date	Time	Mag	Lat	Long	Depth	Region
15/10/2009	08:01:35	4.2	38.24 N	73.39 E	148 km	Tajikistan-Xinjiang Border Region
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	2.7	209	P	08:02:19.10	ep	
CHTL	2.7	209	S	08:02:53.70	es	
BLKT	3.7	181	P	08:02:32.90	ipd	
MUZF	3.9	179	P	08:02:35.20	ipd	
MUZF	3.9	179	S	08:03:18.40	es	
AAK	4.5	10	P	08:02:40.10	ep	
KBL	5.1	225	P	08:02:51.40	ep	
KBL	5.1	225	S	08:03:48.10	es	

Event#23						
Date	Time	Mag	Lat	Long	Depth	Region
15/10/2009	09:22:17	3.4	35.42 N	69.09 E	10 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	2.2	77	P	09:22:52.80	ep	

CHTL	2.2	77	S	09:23:22.90	es
BLKT	3.6	103	P	09:23:14.80	ipd
BLKT	3.6	103	S	09:23:57.30	es
3249	3.7	117	P	09:23:16.20	ep
MUZF	3.8	105	P	09:23:14.80	ep
MUZF	3.8	105	S	09:24:00.70	es
ZHOB	4.1	176	P	09:23:18.40	ep

**Event#24**

Date	Time	Mag	Lat	Long	Depth	Region
15/10/2009	11:07:17	3.9	38.58 N	70.29 E	10 km	Afghanistan-Tajikistan Border Region
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	2.9	156	P	11:08:03.60	eP	
CHTL	2.9	156	S	11:08:42.80	es	
KBL	4.2	194	P	11:08:20.30	eP	
KBL	4.2	194	S	11:09:11.90	es	
BLKT	4.7	148	P	11:08:30.90	eP	
BLKT	4.7	148	S	11:09:23.20	es	
MUZF	4.9	148	P	11:08:32.70	eP	
MUZF	4.9	148	S	11:09:44.40	es	
AAK	5.2	37	P	11:08:33.00	eP	
AAK	5.2	37	S	11:09:38.10	es	

**Event#25**

Date	Time	Mag	Lat	Long	Depth	Region
15/10/2009	13:27:49	5	37.15 N	71.19 E	65 km	Afghanistan-Tajikistan Border Region
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1.4	159	P	13:28:12.40	iPd	
CHTL	1.4	159	S	13:28:29.70	es	
KBL	3.1	214	P	13:28:36.30	eP	
KBL	3.1	214	S	13:29:14.80		
MUZF	3.4	145	P	13:28:39.30	eP	
MUZF	3.4	145	S	13:29:18.90	es	
3249	3.8	156	P	13:28:44.90	eP	
3249	3.8	156	S	13:29:28.80	es	
AAK	6	24	P	13:29:17.10	eP	
QUET	7.7	208	P	13:29:40.30	eP	
UMKT	11.8	186	P	13:30:31.30	eP	
TURB	13.1	214	P	13:30:49.70	eP	
BRVK	15.9	358	P	13:31:25.60	eP	
MALT	25.9	283	P	13:33:18.40	eP	
RAYN	25.9	246	P	13:33:12.50	eP	
CHTO	30.4	119	P	13:33:53.80	eP	
SLV	32.4	110	P	13:34:13.30	eP	
KMBO	49.4	227	P	13:36:33.70	eP	
SUMG	60.5	341	P	13:37:51.20	eP	
TNTI	63.1	111	P	13:38:09.50	eP	
SOEI	68.2	122	P	13:38:46.10	eP	
FITZ	75.2	127	P	13:39:20.30	eP	
EGAK	75.3	14	P	13:39:22.40	iPd	
NEW	94.6	6	P	13:41:00.70	eP	

**Event#26**

Date	Time	Mag	Lat	Long	Depth	Region
15/10/2009	20:02:52	3.6	29.91 N	67.60 E	10 km	Pakistan
station	distance	azimuth	phase	Arrival time	Polarity	
QUET	0.6	301	P	20:03:07.90	ep	
ZHOB	2.1	48	P	20:03:43.90	ep	
KBL	4.8	14	P	20:04:14.30	ipd	
UMKT	4.9	157	P	20:04:10.50	ipd	
TURB	5.6	227	P	20:04:11.80	ipd	
3249	6	50	P	20:04:21.20	ipd	
MUZF	6.7	47	P	20:04:29.50	ipd	
BLKT	6.7	45	P	20:04:29.80	ipd	
CHTL	6.9	29	P	20:04:28.50	ep	

**Event#27**

Date	Time	Mag	Lat	Long	Depth	Region
16/10/2009	03:14:16	3.2	35.86 N	70.54 E	120 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1	88	P	03:14:36.00	iPd	
CHTL	1	88	S	03:14:57.80	es	
KBL	1.8	223	P	03:14:47.80	iPd	
BLKT	2.6	119	P	03:14:53.90	eP	
BLKT	2.6	119	S	03:15:30.60	es	

**Event#28**

Date	Time	Mag	Lat	Long	Depth	Region
17/10/2009	12:01:49	3.4	36.42 N	70.45 E	222 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1.2	116	P	12:02:24.60	eP	
CHTL	1.2	116	S	12:02:48.60	es	
KBL	2.2	212	P	12:02:33.50	eP	
KBL	2.2	212	S	12:03:04.30	es	
BLKT	3	128	P	12:02:42.30	eP	
BLKT	3	128	S	12:03:21.00	es	
MUZF	3.2	129	P	12:02:43.10	eP	
MUZF	3.2	129	S	12:03:25.50	es	
3249	3.5	141	P	12:02:43.50	eP	

3249	3.5	141	S	12:03:30.20	es
ZHOB	5.1	190	P	12:03:03.50	iPd
ZHOB	5.1	190	S	12:04:07.60	es
AAK	6.9	25	P	12:03:30.10	ipd
AAK	6.9	25	S	12:04:46.20	es

**Event#29**

Date	Time	Mag	Lat	Long	Depth	Region
17/10/2009	12:49:56	2.9	36.21 N	70.70 E	250 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	0.9	110	P	12:50:33.30	eP	
CHTL	0.9	110	S	12:50:57.40	es	
KBL	2.1	220	P	12:50:38.10	eP	
KBL	2.1	220	S	12:51:16.60	es	
BLKT	2.7	127	P	12:50:47.70	eP	
MUZF	2.9	128	P	12:50:46.60	eP	
MUZF	2.9	128	S	12:51:29.80	es	

**Event#30**

Date	Time	Mag	Lat	Long	Depth	Region
18/10/2009	04:26:40	3.8	39.96 N	76.45 E	10 km	Southern Xinjiang, China
station	distance	azimuth	phase	Arrival time	Polarity	
AAK	3.1	332	P	04:27:29.30	ep	
AAK	3.1	332	S	04:28:14.10	es	
CHTL	5.5	224	P	04:28:03.70	ep	
CHTL	5.5	224	S	04:29:10.80	es	
BLKT	6	206	P	04:28:08.00	ipd	
BLKT	6	206	S	04:29:20.70	es	
MUZF	6.1	204	P	04:28:09.40	ipd	
MUZF	6.1	204	S	04:29:23.10	es	
KBL	8	230	P	04:28:37.10	iPd	
KBL	8	230	S	04:30:09.10	es	

Event#31						
Date	Time	Mag	Lat	Long	Depth	Region
18/10/2009	20:41:34	4.4	38.28 N	74.57 E	53 km	Tajikistan-Xinjiang Border Region
station	distance	azimuth	phase	Arrival time	Polarity	
BLKT	3.9	195	P	20:42:32.60	ipd	
BLKT	3.9	195	S	20:43:16.40	es	
MUZF	4	193	P	20:42:34.10	iPd	
MUZF	4	193	S	20:43:20.10	es	
AAK	4.4	359	P	20:42:39.20	ep	
AAK	4.4	359	S	20:43:27.90	es	
3249	4.7	195	P	20:42:44.70	ipd	
3249	4.7	195	S	20:43:37.70	es	
KBL	5.8	232	P	20:43:00.00	ipd	
KBL	5.8	232	S	20:44:05.10	es	
ZHOB	8.1	213	P	20:43:28.30	iPd	
ZHOB	8.1	213	S	20:45:05.60	es	



Event#32						
Date	Time	Mag	Lat	Long	Depth	Region
19/10/2009	17:51:30	4.1	37.82 N	73.82 E	209 km	Tajikistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	2.5	221	P	17:52:14.40	ipd	
CHTL	2.5	221	S	17:52:50.40	es	
BLKT	3.3	187	P	17:52:22.90	iPd	
BLKT	3.3	187	S	17:53:05.70	es	
MUZF	3.5	184	P	17:52:25.30	ep	
MUZF	3.5	184	S	17:53:10.90	es	
3249	4.2	189	P	17:52:35.10	ipd	
3249	4.2	189	S	17:53:25.30	es	
KBL	5.1	231	P	17:52:46.20	ipd	
KBL	5.1	231	S	17:53:45.70	es	
ZHOB	7.4	210	P	17:53:15.80	iPd	
QUET	9.5	219	P	17:53:39.90	iPd	
Event#33						
Date	Time	Mag	Lat	Long	Depth	Region
19/10/2009	19:00:54	4.5	31.85 N	86.28 E	10 km	Xizang
station	distance	azimuth	phase	Arrival time	Polarity	
MUZF	11	287	P	19:03:31.80	ep	
3249	11.3	283	P	19:03:38.60	ep	
ZHOB	14.4	272	P	19:04:11.50	ep	
KBL	14.7	285	P	19:04:19.30	ipd	
CHTO	17.3	136	P	19:04:54.30	ipd	
TURB	21.2	260	P	19:05:39.10	iPd	
Event#34						
Date	Time	Mag	Lat	Long	Depth	Region
20/10/2009	01:15:58	3.1	35.67 N	70.98 E	21 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	0.7	71	P	01:16:09.30	iPd	
CHTL	0.7	71	S	01:16:24.50	es	
KBL	1.9	235	P	01:16:30.90	ep	
KBL	1.9	235	S	01:16:55.20	es	
BLKT	2.2	120	P	01:16:32.30	ep	
BLKT	2.2	120	S	01:17:01.50	es	
MUZF	2.4	121	P	01:16:39.60	ep	
MUZF	2.4	121	S	01:17:07.20	es	
3249	2.6	138	P	01:16:39.80	iPd	
3249	2.6	138	S	01:17:13.90		
Event#35						
Date	Time	Mag	Lat	Long	Depth	Region
20/10/2009	06:15:08	4.3	39.48 N	73.32 E	10 km	Tajikistan-Xinjiang Border Region
station	distance	azimuth	phase	Arrival time	Polarity	
AAK	3.3	15	P	06:15:59.80	iPd	
BLKT	4.9	180	P	06:16:22.00	ep	
3249	5.8	182	P	06:16:35.10	ep	
KBL	6	216	P	06:16:35.20	ep	
ZHOB	8.7	202	P	06:17:13.90	ipd	
TURB	16	216	P	06:18:54.20	ep	
Event#36						
Date	Time	Mag	Lat	Long	Depth	Region
22/10/2009	08:38:43	3.4	36.43 N	71.11 E	107 km	Afghanistan-Tajikistan Border Region
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	0.8	135	P	08:39:02.90	iPd	
CHTL	0.8	135	S	08:39:17.80	es	
KBL	2.5	222	P	08:39:22.00	ep	
KBL	2.5	222	S	08:39:54.70	es	
BLKT	2.6	136	P	08:39:24.60	ipd	
BLKT	2.6	136	S	08:39:56.10	es	
MUZF	2.8	136	P	08:39:27.50	ipd	
MUZF	2.8	136	S	08:40:01.50	es	
AAK	6.7	22	P	08:40:18.30	iPd	

<b>Event#37</b>						
Date	Time	Mag	Lat	Long	Depth	Region
22/10/2009	08:47:46	4.3	36.52 N	70.85 E	225 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1	130	P	08:48:19.80	eP	
CHTL	1	130	S	08:48:44.10	es	
KBL	2.5	217	P	08:48:32.20	eP	
KBL	2.5	217	S	08:49:05.80	es	
BLKT	2.8	134	P	08:48:36.50	eP	
BLKT	2.8	134	S	08:49:13.40	es	
MUZF	3	134	P	08:48:39.40	eP	
MUZF	3	134	S	08:49:18.50	es	
3249	3.4	147	P	08:48:38.80	eP	
3249	3.4	147	S	08:49:24.80	es	
ZHOB	5.3	193	P	08:49:05.50	iPd	
ZHOB	5.3	193	S	08:50:06.10	es	
AAK	6.7	24	P	08:49:23.40	ipd	
AAK	6.7	24	S	08:50:37.60	es	

<b>Event#38</b>						
Date	Time	Mag	Lat	Long	Depth	Region
22/10/2009	09:23:14	2.4	34.32 N	73.78 E	10 km	Pakistan
station	distance	azimuth	phase	Arrival time	Polarity	
BLKT	0.4	300	P	09:23:23.20	eP	
BLKT	0.4	300	S	09:23:29.40	es	
3249	0.9	223	P	09:23:30.70	eP	
3249	0.9	223	S	09:23:56.50	es	
CHTL	2.3	314	P	09:23:51.40	eP	
CHTL	2.3	314	S	09:24:21.70	es	

<b>Event#39</b>						
Date	Time	Mag	Lat	Long	Depth	Region
22/10/2009	11:52:57	4.4	36.22 N	70.91 E	126 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	0.8	115	P	11:53:19.00	eP	
CHTL	0.8	115	S	11:53:35.00	es	
KBL	2.3	223	P	11:53:34.70	eP	
KBL	2.3	223	S	11:54:05.40	es	
BLKT	2.6	130	P	11:53:39.80	eP	
BLKT	2.6	130	S	11:54:11.20	es	
MUZF	2.8	130	P	11:53:42.60	eP	
MUZF	2.8	130	S	11:54:17.40	es	
3249	3.1	144	P	11:53:46.70	iPd	
3249	3.1	144	S	11:54:24.20	es	
QUET	6.8	210	P	11:54:33.80	eP	
AAK	7	22	P	11:54:36.80	eP	
AAK	7	22	S	11:55:50.90	es	

Event#40	Date	Time	Mag	Lat	Long	Depth	Region
	22/10/2009	19:51:27	6.4	36.54 N	70.97 E	177 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity		
CHTL	0.9	134	P	19:51:55.20	ipc		
KBL	2.5	219	P	19:52:10.50	ipc		
BLKT	2.8	135	P	19:52:12.50	iPd		
MUZF	3	136	P	19:52:16.80	ipd		
3249	3.3	148	P	19:52:20.70	ipd		
ZHOB	5.3	194	P	19:52:45.00	ipc		
AAK	6.7	23	P	19:53:03.10	ipd		
QUET	7.1	209	P	19:53:09.00	ipc		
UMKT	11.2	186	P	19:54:01.30	ipd		
BRVK	16.5	359	P	19:55:07.20	ipd		
RAYN	25.5	246	P	19:56:38.20	ipc		
MALT	25.8	284	P	19:56:43.50	ipc		
SOCY	28.7	217	P	19:57:06.60	eP		
MMLI	29.5	273	P	19:57:16.10	ipc		
CHTO	30.3	118	P	19:57:21.50	eP		
PALK	30.5	161	P	19:57:24.20	ipc		
CSS	30.5	278	P	19:57:23.20	iPd		
HRFI	30.6	268	P	19:57:25.40	ipd		
KZIT	30.8	270	P	19:57:27.40	ipd		
EIL	30.8	268	P	19:57:27.10	ipd		
ISP	32.1	285	P	19:57:37.80	eP		
DAMY	32.3	234	P	19:57:40.90	eP		
SLV	32.4	109	P	19:57:41.30	ipc		
TIRR	33	297	P	19:57:46.00	ipd		
KAAM	35.9	177	P	19:58:11.50	eP		
APE	36.1	285	P	19:58:12.30	eP		
VSU	36.1	322	P	19:58:11.70	ep		
SANT	36.3	284	P	19:58:13.20	ep		
KWP	37	306	P	19:58:19.60	ep		
SUW	37.1	314	P	19:58:19.50	eP		
SRPE	37.6	323	P	19:58:24.10	eP		
MTSE	37.7	321	P	19:58:25.00	eP		
KARN	37.8	283	P	19:58:26.10	eP		
GVD	37.8	282	P	19:58:25.70	eP		
SLIT	38.2	319	P	19:58:28.90	eP		
SKO	38.3	294	P	19:58:31.20	eP		
PSZ	38.8	303	P	19:58:35.40	eP		
LHMI	39.2	136	P	19:58:39.00	eP		
FURI	40.2	235	P	19:58:50.10	eP		
MORC	40.3	306	P	19:58:47.00	iPd		
DLV	41.7	116	P	19:58:59.60	ipd		
RUE	42.6	311	P	19:59:05.80	eP		
DGAR	43.7	178	P	19:59:15.80	eP		
INCN	43.9	71	P	19:59:16.90	eP		
FLT1	44.2	310	P	19:59:17.70	eP		
TATO	44.5	90	P	19:59:23.90	eP		
STU	45.9	306	P	19:59:31.80	eP		
IBBN	46.3	311	P	19:59:35.40	eP		
SZP	47.4	100	P	19:59:47.10	eP		
WLF	47.7	307	P	19:59:46.40	eP		
KBS	48.6	347	P	19:59:52.70	eP		
KMBO	48.8	227	P	19:59:55.40	eP		
PMBI	50.3	134	P	20:00:05.50	eP		
MNAI	50.5	137	P	20:00:06.10	iPd		
COCO	54.3	148	P	20:00:37.90	ipd		
DAG	54.7	344	P	20:00:37.30	eP		
CISI	55.8	134	P	20:00:43.60	eP		
BKB	56.8	121	P	20:00:54.40	iPd		
VAL	57.2	313	P	20:00:55.60	ipd		
TOLI	57.9	116	P	20:01:02.50	eP		
MTE	59.7	300	P	20:01:13.40	eP		
LUWI	60.8	116	P	20:01:25.10	eP		
SUMG	61	341	P	20:01:22.20	eP		
TNTI	63	111	P	20:01:34.50	iPd		
MMRI	65.8	122	P	20:01:50.90	ipd		
SFJD	67.7	339	P	20:02:04.60	eP		
SOEI	68	122	P	20:02:05.40	eP		
BANI	68.4	113	P	20:02:08.40	eP		
FAKI	69.1	110	P	20:02:13.80	eP		
EGAK	75.9	14	P	20:02:53.30	iPd		
MORW	77.8	141	P	20:03:03.20	ipd		
NWAO	81.5	142	P	20:03:22.90	eP		
PMG	84.6	106	P	20:03:40.10	eP		
EYMN	94.4	348	P	20:04:26.60	eP		
AGMN	94.7	351	P	20:04:27.50	eP		
NEW	95.3	5	P	20:04:30.60	iPd		
ECSD	99.3	351	P	20:04:48.60	ipd		
HLID	100.1	4	P	20:04:53.20	eP		
WVOR	100.9	7	P	20:04:57.70	eP		
DUG	103.6	3	P	20:05:10.10	ep		
ISCO	104	357	P	20:05:12.50	ep		
SNAI	119.4	200	PKP	20:09:52.40	ep		

Event#41  
Date Time Mag Lat Long Depth Region

22/10/2009	21:21:43	2.1	35.22 N	69.95 E	105 km	Hindu Kush Region, Afghanistan
<b>station</b>	<b>distance</b>	<b>azimuth</b>	<b>phase</b>	<b>Arrival time</b>	<b>Polarity</b>	
KBL	1	228	P	21:22:03.90	eP	
CHTL	1.6	66	P	21:22:12.30	eP	
CHTL	1.6	66	S	21:22:33.30	es	
BLKT	2.9	103	P	21:22:29.10	ipd	
BLKT	2.9	103	S	21:23:02.20	es	
MUZF	3	105	P	21:22:26.50	eP	
MUZF	3	105	S	21:23:07.50	es	

**Event#42**

<b>Date</b>	<b>Time</b>	<b>Mag</b>	<b>Lat</b>	<b>Long</b>	<b>Depth</b>	<b>Region</b>
22/10/2009	22:01:30	3	35.60 N	71.74 E	10 km	Pakistan
<b>station</b>	<b>distance</b>	<b>azimuth</b>	<b>phase</b>	<b>Arrival time</b>	<b>Polarity</b>	
CHTL	0.3	7	P	22:01:36.80	ep	
BLKT	1.7	129	P	22:02:06.20	ep	
MUZF	1.9	130	P	22:02:01.60	ep	
3249	2.2	150	P	22:02:08.80	ep	
ZHOB	4.7	205	P	22:02:38.70	ipd	
TURB	12.2	220	P	22:04:24.20	ipd	

**Event#43**

<b>Date</b>	<b>Time</b>	<b>Mag</b>	<b>Lat</b>	<b>Long</b>	<b>Depth</b>	<b>Region</b>
22/10/2009	22:30:20	2	36.41 N	70.97 E	161 km	Hindu Kush Region, Afghanistan
<b>station</b>	<b>distance</b>	<b>azimuth</b>	<b>phase</b>	<b>Arrival time</b>	<b>Polarity</b>	
CHTL	0.8	128	P	22:30:43.50	eP	
CHTL	0.8	128	S	22:31:07.10	es	
KBL	2.4	221	P	22:31:04.80	eP	
KBL	2.4	221	S	22:31:33.00	es	
BLKT	2.7	133	P	22:31:04.40	iPd	
BLKT	2.7	133	S	22:31:39.90	es	
MUZF	2.9	134	P	22:31:07.10	iPd	
MUZF	2.9	134	S	22:31:44.80	es	

**Event#44**

<b>Date</b>	<b>Time</b>	<b>Mag</b>	<b>Lat</b>	<b>Long</b>	<b>Depth</b>	<b>Region</b>
22/10/2009	23:39:36	3.8	37.73 N	75.09 E	213 km	Tajikistan-Xinjiang Border Region
<b>station</b>	<b>distance</b>	<b>azimuth</b>	<b>phase</b>	<b>Arrival time</b>	<b>Polarity</b>	
CHTL	3.2	236	P	23:40:27.20	eP	
CHTL	3.2	236	S	23:41:13.10	es	
BLKT	3.5	205	P	23:40:31.30	iPd	
BLKT	3.5	205	S	23:41:15.80	es	
MUZF	3.6	202	P	23:40:33.00	eP	
MUZF	3.6	202	S	23:41:18.70	es	
3249	4.4	203	P	23:40:42.90	ep	
3249	4.4	203	S	23:41:36.50	es	
AAK	4.9	355	P	23:42:33.90	ep	
KBL	5.8	239	P	23:41:01.30	ep	
KBL	5.8	239	S	23:42:07.70	es	
ZHOB	7.9	218	P	23:41:28.10	ipd	
QUET	10.1	224	P	23:42:31.80	eP	
UMKT	13.2	202	P	23:43:23.90	eP	
TURB	15.6	225	P	23:43:48.40	eP	

**Event#45**

<b>Date</b>	<b>Time</b>	<b>Mag</b>	<b>Lat</b>	<b>Long</b>	<b>Depth</b>	<b>Region</b>
23/10/2009	02:23:14	3.8	30.62 N	66.76 E	10 km	Pakistan
<b>station</b>	<b>distance</b>	<b>azimuth</b>	<b>phase</b>	<b>Arrival time</b>	<b>Polarity</b>	
QUET	0.4	153	P	02:23:23.10	eP	
ZHOB	2.4	72	P	02:24:02.60	eP	
KBL	4.4	26	P	02:24:32.40	ep	
TURB	5.7	216	P	02:24:38.80	ep	
UMKT	5.9	153	P	02:24:42.10	ep	
3249	6.2	59	P	02:24:45.40	ep	
CHTL	6.7	37	P	02:24:53.50	ipd	
BLKT	6.8	53	P	02:24:53.90	ipd	
MUZF	6.8	55	P	02:24:54.20	eP	

**Event#46**

<b>Date</b>	<b>Time</b>	<b>Mag</b>	<b>Lat</b>	<b>Long</b>	<b>Depth</b>	<b>Region</b>
23/10/2009	16:45:55	4.9	38.68 N	72.93 E	125 km	Tajikistan
<b>station</b>	<b>distance</b>	<b>azimuth</b>	<b>phase</b>	<b>Arrival time</b>	<b>Polarity</b>	
AAK	4.1	16	P	16:46:56.10	eP	
MUZF	4.3	174	P	16:47:00.20	eP	
3249	5	179	P	16:47:06.50	iPd	
KBL	5.2	218	P	16:47:10.30	ipd	
ZHOB	7.9	202	P	16:47:44.10	eP	
QUET	9.8	212	P	16:48:13.20	eP	
BRVK	14.5	354	P	16:49:12.60	iPd	

**Event#47**

<b>Date</b>	<b>Time</b>	<b>Mag</b>	<b>Lat</b>	<b>Long</b>	<b>Depth</b>	<b>Region</b>
23/10/2009	17:22:34	3.3	35.28 N	71.14 E	10 km	Pakistan
<b>station</b>	<b>distance</b>	<b>azimuth</b>	<b>phase</b>	<b>Arrival time</b>	<b>Polarity</b>	
CHTL	0.8	41	P	17:22:49.50	ipc	
KBL	1.9	247	P	17:23:05.10	ipd	
BLKT	2	112	P	17:23:05.90	ipc	
MUZF	2.1	115	P	17:23:08.70	ipc	
3249	2.3	135	P	17:23:13.60	ep	

ZHOB	4.2	200	P	17:23:38.50	ipd	
QUET	6.1	216	P	17:24:09.90	ipc	

**Event#48**

Date	Time	Mag	Lat	Long	Depth	Region
24/10/2009	12:43:18	2.9	36.51 N	70.84 E	190 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1	129	P	12:43:48.50	eP	
CHTL	1	129	S	12:44:10.20	es	
KBL	2.5	217	P	12:44:01.70	iPd	
KBL	2.5	217	S	12:44:34.20	es	
BLKT	2.8	133	P	12:44:06.40	eP	
BLKT	2.8	133	S	12:44:42.00	es	
MUZF	3	134	P	12:44:09.10	ep	
MUZF	3	134	S	12:44:47.60	es	
AAK	6.7	24	P	12:44:55.50	ep	
AAK	6.7	24	S	12:46:10.90	es	

**Event#49**

Date	Time	Mag	Lat	Long	Depth	Region
24/10/2009	21:23:10	2.8	36.82 N	72.49 E	10 km	Afghanistan-Tajikistan Border Region
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1.1	212	P	21:23:29.50	ep	
BLKT	2.4	163	P	21:23:50.80	ep	
BLKT	2.4	163	S	21:24:11.80	es	
MUZF	2.6	161	P	21:23:50.40	ep	
MUZF	2.6	161	S	21:24:26.20	es	
3249	3.2	171	S	21:24:39.40	es	

**Event#50**

Date	Time	Mag	Lat	Long	Depth	Region
25/10/2009	02:26:32	3.4	36.12 N	71.15 E	90 km	Afghanistan-Tajikistan Border Region
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	0.6	114	P	02:26:48.80	eP	
CHTL	0.6	114	S	02:27:01.80	es	
BLKT	2.4	131	P	02:27:09.60	iPd	
BLKT	2.4	131	S	02:27:38.70	es	
MUZF	2.6	132	P	02:27:12.30	eP	
MUZF	2.6	132	S	02:27:44.90	es	
3249	2.9	146	P	02:27:16.00	ep	
ZHOB	5	197	P	02:27:10.40	ep	
ZHOB	5	197	S	02:28:42.80	es	
QUET	6.8	212	P	02:27:50.80	ep	
QUET	6.8	212	S	02:28:57.80	es	

**Event#51**

Date	Time	Mag	Lat	Long	Depth	Region
25/10/2009	11:40:52	4.8	34.83 N	80.37 E	37 km	Xizang
station	distance	azimuth	phase	Arrival time	Polarity	
BLKT	5.8	269	P	11:42:14.40	eP	
3249	6.2	261	P	11:42:20.70	eP	
AAK	9	331	P	11:43:01.40	iPd	
KBL	9.3	271	P	11:43:06.10	ipd	
BRVK	19.6	342	P	11:45:16.30	eP	
CHTO	23	129	P	11:45:51.40	eP	
SLV	24.7	117	P	11:46:08.30	ep	
RAYN	32.3	259	P	11:47:17.20	ep	
MALT	33.7	288	P	11:47:31.00	ep	
DLV	34.2	125	P	11:47:37.40	ep	
SUW	43.8	314	P	11:48:51.50	ipd	
MORC	47.4	308	P	11:49:23.00	ipd	
FLT1	51	312	P	11:49:50.70	iPd	
KMBO	53.9	238	P	11:50:12.90	iPd	
FITZ	68	133	P	11:51:47.40	iPd	

**Event#52**

Date	Time	Mag	Lat	Long	Depth	Region
25/10/2009	17:47:50	5.6	29.54 N	63.92 E	114 km	Southwestern Pakistan
station	distance	azimuth	phase	Arrival time	Polarity	
QUET	2.7	75	P	17:48:33.40	ipc	
KBL	6.6	40	P	17:49:26.10	ipc	
UMKT	6.6	128	P	17:49:22.80	ipc	
3249	8.8	60	P	17:49:54.10	ipd	
MUZF	9.4	57	P	17:50:20.90	eP	
AAK	15.6	30	P	17:51:23.40	ipc	
RAYN	17.5	254	P	17:51:45.00	ipc	
MALT	22.8	299	P	17:52:43.90	ipc	
DAMY	23.4	235	P	17:52:51.30	ipc	
BRVK	24	9	P	17:52:53.20	ipc	
MMLI	24.6	284	P	17:53:00.00	ipc	
HRFI	25.1	278	P	17:53:03.90	ipc	
EIL	25.2	278	P	17:53:04.90	ipc	
KZIT	25.5	281	P	17:53:08.20	ipc	
CSS	26.4	290	P	17:53:14.70	ipc	
PALK	27.2	141	P	17:53:24.00	iPd	
ISP	28.9	296	P	17:53:36.90	ipc	
KAAM	30.1	162	P	17:53:50.70	iPd	
TIRR	31.8	308	P	17:54:01.80	iPd	
APE	32.8	293	P	17:54:10.70	eP	

CHTO 33.6 101 P 17:54:18.20 eP

**Event#53**

Date	Time	Mag	Lat	Long	Depth	Region
25/10/2009	18:37:44	4.1	36.55 N	71.30 E	96 km	Afghanistan-Tajikistan Border Region
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	0.8	150	P	18:38:04.10	ipd	
CHTL	0.8	150	S	18:38:17.30	es	
BLKT	2.6	140	P	18:38:25.70	ipd	
BLKT	2.6	140	S	18:38:34.60	es	
KBL	2.7	223	P	18:38:27.40	iPd	
KBL	2.7	223	S	18:38:58.80	es	
MUZF	2.8	140	P	18:38:29.00	iPd	
MUZF	2.8	140	S	18:39:00.90	iPd	
3249	3.2	153	P	18:38:41.30	ipd	
3249	3.2	153	S	18:39:11.70	es	
ZHOB	5.4	197	P	18:39:01.90	eP	
ZHOB	5.4	197	S	18:39:48.50	es	
AAK	6.6	21	P	18:39:21.10	ipd	
AAK	6.6	21	S	18:40:31.30	es	
UMKT	11.3	187	P	18:39:47.40	eP	

**Event#54**

Date	Time	Mag	Lat	Long	Depth	Region
25/10/2009	23:47:27	3.9	36.45 N	71.40 E	67 km	Afghanistan-Tajikistan Border Region
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	0.6	151	P	23:47:42.60	eP	
CHTL	0.6	151	S	23:47:55.30	es	
BLKT	2.5	140	P	23:48:06.50	eP	
BLKT	2.5	140	S	23:48:36.40	es	
MUZF	2.7	140	P	23:48:08.60	eP	
MUZF	2.7	140	S	23:48:43.10	es	
KBL	2.7	226	P	23:48:06.40	ipd	
KBL	2.7	226	S	23:48:44.10	es	
3249	3.1	153	P	23:48:14.10	eP	
3249	3.1	153	S	23:48:50.20	es	
AAK	6.6	20	P	23:49:03.50	eP	
AAK	6.6	20	S	23:50:18.80	es	
QUET	7.2	212	P	23:50:17.80	eP	
QUET	7.2	212	S	23:51:02.40	es	
UMKT	11.2	188	P	23:49:14.80	ipd	
UMKT	11.2	188	S	23:51:39.70	es	

**Event#55**

Date	Time	Mag	Lat	Long	Depth	Region
26/10/2009	16:20:37	4.8	24.43 N	68.53 E	10 km	India-Pakistan Border Region
station	distance	azimuth	phase	Arrival time	Polarity	
UMKT	1.4	50	P	16:21:01.90	eP	
MUZF	10.8	22	P	16:23:12.20	eP	
BLKT	10.9	21	P	16:23:11.80	iPd	
MALT	29	306	P	16:26:38.20	iPd	
EIL	30.3	287	P	16:26:51.70	iPd	
KZIT	30.8	290	P	16:26:52.30	iPd	

Event#56						
Date	Time	Mag	Lat	Long	Depth	Region
26/10/2009	16:45:12	3.8	37.61 N	75.46 E	217 km	Tajikistan-Xinjiang Border Region
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	3.4	241	P	16:46:06.60	iPd	
CHTL	3.4	241	S	16:46:52.10	es	
BLKT	3.5	210	P	16:46:08.20	eP	
BLKT	3.5	210	S	16:46:53.50	es	
MUZF	3.6	207	P	16:46:09.50	iPd	
MUZF	3.6	207	S	16:46:57.70	es	
3249	4.4	207	P	16:46:20.50	eP	
3249	4.4	207	S	16:47:13.70	es	
AAK	5.1	352	P	16:46:28.40	iPd	
KBL	6	241	P	16:46:39.80	iPd	
KBL	6	241	S	16:47:51.90	es	
ZHOB	8	220	P	16:47:06.00	iPd	
ZHOB	8	220	S	16:48:34.40	iPd	

Event#57						
Date	Time	Mag	Lat	Long	Depth	Region
26/10/2009	19:19:01	2.4	35.09 N	69.99 E	10 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1.7	61	P	19:19:30.20	eP	
CHTL	1.7	61	S	19:19:52.30	es	
BLKT	2.8	100	P	19:19:46.30	iPd	
BLKT	2.8	100	S	19:20:21.00	es	
MUZF	3	103	P	19:19:49.20	eP	
MUZF	3	103	S	19:20:26.10	es	

Event#58						
Date	Time	Mag	Lat	Long	Depth	Region
26/10/2009	19:36:05	2.4	36.37 N	70.04 E	210 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1.5	108	P	19:36:40.00	eP	
CHTL	1.5	108	S	19:37:07.80	es	
KBL	2	204	P	19:36:44.90	iPd	
KBL	2	204	S	19:37:16.00	es	
MUZF	3.5	124	P	19:37:01.00	iPd	
MUZF	3.5	124	S	19:37:45.50	es	

Event#59						
Date	Time	Mag	Lat	Long	Depth	Region
26/10/2009	21:45:21	3.9	38.11 N	71.82 E	10 km	Afghanistan-Tajikistan Border Region
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	2.2	181	P	21:45:56.90	eP	
CHTL	2.2	181	S	21:46:09.00	es	
BLKT	3.8	161	P	21:46:19.60	eP	
BLKT	3.8	161	S	21:47:07.70	es	
MUZF	4	160	P	21:46:22.50	eP	
MUZF	4	160	S	21:47:13.10	es	
3249	4.5	167	S	21:47:22.70	es	
ZHOB	7	197	S	21:48:35.00	es	
QUET	8.8	208	P	21:47:30.40	iPd	

Event#60						
Date	Time	Mag	Lat	Long	Depth	Region
27/10/2009	15:09:05	4.2	36.71 N	71.04 E	120 km	Afghanistan-Tajikistan Border Region
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1	144	P	15:09:26.90	eP	
CHTL	1	144	S	15:09:46.60	es	
KBL	2.7	218	P	15:09:50.70	eP	
KBL	2.7	218	S	15:10:19.90	es	
BLKT	2.9	139	P	15:09:48.70	ipd	
BLKT	2.9	139	S	15:10:23.90	es	
MUZF	3.1	139	P	15:09:52.00	eP	
MUZF	3.1	139	S	15:10:30.80	es	
3249	3.4	151	P	15:09:58.80	eP	
3249	3.4	151	S	15:10:41.40	es	
AAK	6.5	23	P	15:11:39.20	eP	
UMKT	11.4	186	P	15:11:57.30	eP	

Event#61						
Date	Time	Mag	Lat	Long	Depth	Region
28/10/2009	17:38:14	4.5	36.46 N	71.08 E	229 km	Afghanistan-Tajikistan Border Region
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	0.8	135	P	17:38:46.70	eP	
KBL	2.5	222	P	17:39:00.60	eP	
BLKT	2.7	136	P	17:39:17.00	eP	
MUZF	2.9	136	P	17:39:04.20	eP	
3249	3.2	149	P	17:39:08.30	eP	
ZHOB	5.3	195	P	17:39:32.90	eP	
AAK	6.7	22	P	17:39:49.70	iPd	
BRVK	16.6	358	P	17:41:54.20	iPd	
RAYN	25.5	247	P	17:43:20.90	iPd	
MALT	25.9	284	P	17:43:27.30	iPd	
MORC	40.4	307	P	17:45:29.60	eP	
FLT1	44.3	311	P	17:46:00.00	eP	
KMBO	48.9	228	P	17:46:37.50	eP	

Event#62						
Date	Time	Mag	Lat	Long	Depth	Region
29/10/2009	11:10:39	3.1	36.24 N	70.34 E	194 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1.2	106	P	11:11:09.20	eP	
CHTL	1.2	106	S	11:11:35.10	es	
KBL	2	212	P	11:11:16.70	eP	
KBL	2	212	S	11:11:47.70	es	
BLKT	3	124	P	11:11:29.70	iPd	
BLKT	3	124	S	11:12:06.70	es	
MUZF	3.2	125	P	11:11:30.30	iPd	
MUZF	3.2	125	S	11:12:11.70	es	
ZHOB	4.9	189	P	11:12:02.80	eP	



**Event#63**

Date	Time	Mag	Lat	Long	Depth	Region
29/10/2009	12:26:40	2.8	36.36 N	71.58 E	80 km	Afghanistan-Tajikistan Border Region
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	0.5	161	P	12:26:56.30	eP	
CHTL	0.5	161	S	12:27:07.50	es	
BLKT	2.3	141	P	12:27:16.40	iPd	
BLKT	2.3	141	S	12:27:46.30	es	
MUZF	2.5	141	P	12:27:19.60	eP	
MUZF	2.5	141	S	12:27:50.30	es	
KBL	2.8	230	P	12:27:30.60	eP	
KBL	2.8	230	S	12:27:56.30	es	

**Event#64**

Date	Time	Mag	Lat	Long	Depth	Region
29/10/2009	14:55:10	3.5	37.66 N	72.36 E	120 km	Tajikistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1.8	195	P	14:55:43.00	iPd	
CHTL	1.8	195	S	14:56:07.00	es	
BLKT	3.2	166	P	14:56:00.20	eP	
BLKT	3.2	166	S	14:56:37.50	es	
MUZF	3.4	164	P	14:56:03.50	ipd	
MUZF	3.4	164	S	14:56:42.80	es	
KBL	4.1	222	P	14:56:12.20	eP	
KBL	4.1	222	S	14:56:59.90	es	
AAK	5.2	18	P	14:56:25.70	eP	

**Event#65**

Date	Time	Mag	Lat	Long	Depth	Region
29/10/2009	16:14:37	3.1	36.09 N	70.33 E	10 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1.2	100	P	16:14:57.80	eP	
CHTL	1.2	100	S	16:15:15.80	es	
BLKT	2.9	121	P	16:15:27.60	eP	
BLKT	2.9	121	S	16:16:00.10	es	
MUZF	3.1	123	P	16:15:23.80	eP	
MUZF	3.1	123	S	16:16:05.50	es	

**Event#66**

Date	Time	Mag	Lat	Long	Depth	Region
29/10/2009	17:44:33	6.1	36.46 N	70.79 E	217 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1	125	P	17:45:04.00	ipc	
CHTL	1	125	S	17:45:28.40	es	
KBL	2.4	217	P	17:45:14.80	ipc	
BLKT	2.8	132	P	17:45:53.20	ipc	
MUZF	3	133	P	17:45:23.70	eP	
MUZF	3	133	S	17:46:04.30	es	
ZHOB	5.2	193	P	17:45:55.00	eP	
AAK	6.8	24	P	17:46:10.50	ipd	
QUET	7	208	P	17:46:13.10	eP	
BRVK	16.6	359	P	17:48:13.30	eP	
RAYN	25.3	246	P	17:49:39.30	iPd	
MALT	25.7	284	P	17:49:44.70	ipd	
MLLI	29.3	273	P	17:50:16.40	eP	
CSS	30.3	278	P	17:50:24.10	eP	
CHTO	30.4	118	P	17:50:25.10	eP	
PALK	30.4	160	P	17:50:25.70	eP	
HRFI	30.5	268	P	17:50:26.20	iPd	
KZIT	30.7	270	P	17:50:27.70	iPd	
EIL	30.7	268	P	17:50:27.70	iPd	
ISP	32	285	P	17:50:40.10	iPd	

DAMY	32.1	234	P	17:50:40.80	eP	
SLV	32.5	108	P	17:50:44.80	eP	
TIRR	32.9	297	P	17:50:46.60	eP	
KAAM	35.8	176	P	17:51:13.10	eP	
ZKR	35.9	281	P	17:51:12.90	eP	
APE	36	285	P	17:51:12.70	eP	
VSU	36.1	322	P	17:51:13.80	eP	
SANT	36.2	284	P	17:51:13.90	eP	
KWP	36.9	306	P	17:51:21.10	iPd	
SUW	37	314	P	17:51:21.30	iPd	
SIVA	37.1	282	P	17:51:21.80	iPd	
SRPE	37.6	323	P	17:51:26.40	iPd	
MTSE	37.6	321	P	17:51:27.00	eP	
KARN	37.7	283	P	17:51:27.30	eP	
GVD	37.7	282	P	17:51:26.70	eP	
SLIT	38.2	319	P	17:51:30.90	eP	
SKO	38.2	294	P	17:51:29.90	eP	
PSZ	38.8	304	P	17:51:36.60	eP	
OHR	38.8	293	P	17:51:30.10	eP	
LHMI	39.3	136	P	17:51:41.10	eP	
FURI	40	235	P	17:51:50.00	eP	
MORC	40.3	306	P	17:51:48.50	iPd	
DLV	41.7	116	P	17:52:02.40	ipd	
MATE	41.9	293	P	17:52:01.80	eP	
RUE	42.6	311	P	17:52:07.00	eP	
RGN	42.8	314	P	17:52:09.90	eP	
MSEY	43.3	203	P	17:52:14.10	eP	
DGAR	43.7	178	P	17:52:16.90	eP	
INCN	44.1	71	P	17:52:19.70	eP	
FLT1	44.1	311	P	17:52:19.40	eP	
TATO	44.6	90	P	17:52:25.70	eP	
STU	45.8	306	P	17:52:32.80	eP	
HLG	46	313	P	17:52:34.80	eP	
IBBN	46.3	311	P	17:52:36.40	iPd	
SZP	47.5	100	P	17:52:48.90	iPd	
WLF	47.6	307	P	17:52:47.40	iPd	
KBS	48.6	347	P	17:52:55.60	iPd	
KMBO	48.7	227	P	17:52:56.40	eP	
PMBI	50.4	134	P	17:53:08.30	eP	
MNAI	50.5	137	P	17:53:07.70	eP	
COCO	54.3	148	P	17:53:37.90	eP	
DAG	54.7	344	P	17:53:40.00	eP	
CISI	55.9	134	P	17:53:46.10	eP	
BKB	56.9	121	P	17:53:56.40	eP	
VAL	57.2	313	P	17:53:56.60	eP	
UGM	57.8	132	P	17:54:00.40	eP	
TOLI	58	115	P	17:54:04.00	eP	
MTE	59.6	300	P	17:54:13.90	eP	
LUWI	60.9	116	P	17:54:22.10	eP	
SUMG	61	341	P	17:54:24.60	eP	
TNTI	63.1	111	P	17:54:38.00	ee	
MMRI	65.9	122	P	17:54:53.00	eP	
SFJD	67.7	339	P	17:55:06.40	eP	
SOEI	68.1	121	P	17:55:08.00	eP	
BANI	68.5	113	P	17:55:11.00	iPd	
FAKI	69.2	110	P	17:55:16.70	iPd	
GUMO	69.3	88	P	17:55:17.90	iPd	
EGAK	76	14	P	17:55:56.10	iPd	
WIN	77.6	230	P	17:56:05.20	eP	
MORW	77.8	141	P	17:56:05.10	eP	
NWAO	81.5	142	P	17:56:24.50	eP	
PMG	84.8	106	P	17:56:42.60	eP	
AGMN	94.8	351	P	17:57:29.20	eP	
NEW	95.4	5	P	17:57:32.60	eP	
ECSD	99.4	351	P	17:57:50.30	eP	
HLID	100.2	4	P	17:57:54.70	eP	
WVOR	101	7	P	17:57:58.90	eP	
DUG	103.7	3	P	17:58:11.00	eP	
ISCO	104	357	P	17:58:12.10	eP	
MVCO	106.7	359	P	17:58:34.10	eP	
WMOK	108.5	351	P	17:58:39.60	eP	
SNAI	119.3	200	PKP	18:02:53.70	eP	
BOAB	126.5	331	PKP	18:03:09.80	eP	earthq5
LVC	142.6	280	PKP	18:03:35.60	eP	

**Event#67**

Date	Time	Mag	Lat	Long	Depth	Region
29/10/2009	19:58:16	3.2	36.16 N	70.60 E	168 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1	106	P	19:58:42.10	eP	
CHTL	1	106	S	19:59:04.90	es	
KBL	2.1	219	P	19:58:54.20	iPd	
KBL	2.1	219	S	19:59:23.00	es	
BLKT	2.8	125	P	19:59:02.20	eP	
BLKT	2.8	125	S	19:59:37.00	es	
MUZF	3	126	P	19:59:05.00	eP	
MUZF	3	126	S	19:59:43.10	es	

**Event#68**

Date	Time	Mag	Lat	Long	Depth	Region
29/10/2009	21:14:56	4	36.33 N	70.79 E	144 km	Hindu Kush Region, Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	0.9	119	P	21:15:20.50	ipd	
KBL	2.3	219	P	21:15:35.00	eP	
BLKT	2.7	130	P	21:15:40.50	iPd	
MUZF	3	131	P	21:15:43.30	iPd	
AAK	6.9	23	P	21:16:34.60	iPd	
TURB	12.3	215	P	21:17:45.00	iPd	

Event#69						
Date	Time	Mag	Lat	Long	Depth	Region
30/10/2009	00:49:20	2.8	34.75 N	70.89 E	10 km	Southeastern Afghanistan
station	distance	azimuth	phase	Arrival time	Polarity	
CHTL	1.3	33	P	00:49:44.00	eP	
CHTL	1.3	33	S	00:50:01.40	es	
BLKT	2	96	P	00:49:51.50	iPd	
BLKT	2	96	S	00:50:20.20	es	
MUZF	2.2	100	P	00:49:55.80	eP	
MUZF	2.2	100	S	00:50:24.80	es	