

Date (yyyy/mm/dd)	Latitude (°N)	Longitude (°E)	Depth (km)	Fault Parameters						Moment Magnitude (Mw)	Moment (dyne/cm ²)
				Strike1	Dip1	Rake1	Strike2	Dip2	Rake2		
Eastern Tibet (Western part)											
1981/ 6/ 9	34.21	91.28	10.0	76	81	-3	166	87	-171	6.0	1.41e+25
1983/11/ 5	33.97	90.06	10.0	250	73	-7	343	83	-163	5.6	2.78e+24
1986/ 8/20	34.58	91.96	15.0	253	69	-18	350	73	-158	6.4	4.88e+25
1988/11/ 5	34.17	91.70	15.0	158	67	171	251	81	24	6.2	2.56e+25
1988/11/25	34.29	91.77	15.0	262	60	7	169	84	150	5.5	2.57e+24
1990/ 6/ 2	32.20	93.28	15.0	43	44	-44	168	61	-125	5.2	7.98e+23
1994/ 6/29	32.57	93.68	15.0	9	40	-105	208	51	-78	5.9	7.72e+24
1994/ 6/30	32.53	93.76	15.0	346	38	-118	200	57	-70	5.0	4.26e+23
1999/ 5/29	32.81	93.77	33.0	261	80	-3	352	87	-170	5.3	1.29e+24
2000/ 1/ 5	32.03	92.29	33.0	225	36	-20	332	78	-124	5.4	1.74e+24
2000/ 2/12	34.05	90.88	33.0	257	79	6	166	84	169	5.1	5.62e+23
2000/ 7/10	32.74	92.55	15.0	6	38	-113	214	56	-74	5.3	1.32e+24
2002/ 6/29	34.06	94.28	33.0	90	87	3	0	87	177	5.6	3.03e+24
2002/ 9/27	32.95	93.49	33.0	172	81	-171	80	81	-9	5.1	5.31e+23
2003/ 2/11	32.55	93.67	46.1	17	35	-62	164	59	-108	5.1	5e+23
2003/ 5/20	32.53	93.23	33.0	40	31	-38	164	72	-115	5.1	6.16e+23
2003/ 5/24	32.16	92.29	33.0	349	17	-80	158	73	-93	5.0	4.62e+23
2003/ 5/24	32.59	92.36	33.0	352	28	-103	186	62	-83	5.0	4.47e+23
2004/ 3/ 6	33.26	92.13	12.0	195	46	-131	66	57	-56	5.0	4.14e+23
2004/ 3/ 7	31.60	91.33	20.7	326	80	-173	235	83	-10	5.6	2.69e+24
2004/ 8/24	32.50	92.28	12.0	52	49	-30	163	68	-135	5.5	2.34e+24
2004/11/19	32.17	92.89	21.8	151	68	-162	54	73	-23	4.8	2.16e+23
2005/10/ 7	34.71	92.96	15.0	123	38	36	4	69	122	4.8	2.03e+23
2006/ 4/19	31.61	90.67	23.2	325	80	-179	235	89	-10	5.7	4.24e+24
2007/ 2/25	33.10	90.63	20.5	66	67	-19	164	73	-156	5.4	1.34e+24
2007/ 5/ 5	34.67	90.03	24.5	347	74	179	77	89	16	5.0	3.6e+23
2008/ 6/ 8	33.08	92.19	18.5	154	63	-155	52	68	-29	5.2	7.37e+23
2008/ 6/10	33.13	92.25	16.5	160	57	-146	49	62	-38	5.4	1.73e+24
2008/ 6/10	33.04	92.22	14.3	168	49	-142	51	63	-48	5.1	5.59e+23
2008/ 6/10	33.18	92.23	15.5	242	53	-27	349	69	-140	4.9	2.88e+23
2008/ 6/10	33.07	92.22	13.0	170	47	-131	42	57	-55	5.3	9.63e+23
2008/ 6/18	33.09	92.21	18.7	154	62	-156	52	69	-31	5.2	7.05e+23
2008/ 6/19	33.13	92.19	18.3	65	67	-16	161	75	-157	4.9	2.95e+23
2008/ 7/16	33.15	92.24	16.6	159	68	-160	61	71	-23	5.3	1.31e+24
2008/ 8/ 5	33.13	92.22	15.3	49	60	-27	153	67	-147	5.0	4.61e+23
2008/ 8/10	33.13	92.20	23.4	49	49	-51	179	54	-126	4.8	1.95e+23
2008/ 8/10	32.16	92.02	19.0	59	71	-10	152	81	-160	4.9	2.41e+23
2008/ 8/18	33.65	91.93	23.2	170	84	-178	79	88	-6	5.3	9.5e+23
2008/ 8/26	31.69	91.51	21.4	150	82	-179	60	89	-8	4.9	2.55e+23
2008/10/20	33.69	92.80	21.3	185	86	-179	95	89	-4	4.8	2.08e+23
2010/ 3/24	32.37	92.89	17.8	162	74	-171	70	81	-16	5.7	4.5e+24
2010/ 3/24	32.37	92.92	19.1	157	80	-173	66	83	-10	5.4	1.83e+24
2010/ 4/17	32.38	92.84	17.3	168	67	-162	70	73	-24	5.3	1.09e+24
2011/12/ 5	32.42	92.88	28.5	333	82	-177	243	87	-8	4.9	2.49e+23
2013/ 7/ 2	33.10	92.82	22.5	4	42	-122	224	56	-65	4.8	1.98e+23
2013/ 8/26	33.17	94.18	18.8	177	65	-163	80	74	-26	4.8	2.24e+23
2014/ 1/16	31.86	90.38	26.9	326	80	-177	235	87	-10	5.1	4.84e+23
2014/ 1/19	33.01	93.84	24.5	64	61	-6	156	85	-151	4.8	1.87e+23
2015/ 5/30	34.67	91.13	12.5	30	35	-95	216	55	-86	4.6	1.07e+23
2016/ 1/13	32.52	91.73	23.0	72	82	-3	162	87	-172	5.4	1.64e+24
2016/12/ 4	32.27	92.27	24.0	333	83	174	64	84	7	5.3	1.32e+24
2017/ 6/ 8	33.60	91.25	12.0	29	44	-106	231	48	-75	4.9	2.47e+23
2017/ 6/13	33.59	91.30	12.0	197	41	-124	59	57	-64	4.9	2.69e+23
2018/ 8/ 3	34.94	92.32	22.1	181	42	-101	16	49	-80	5.2	8.67e+23
2019/ 7/15	31.63	91.32	20.1	182	39	-109	25	54	-76	4.7	1.33e+23
2020/10/21	33.35	90.40	19.6	19	43	-98	210	48	-82	4.7	1.31e+23
2021/ 3/19	31.84	92.92	19.4	353	50	-144	238	63	-47	5.8	6.4e+24
2021/ 3/22	31.93	93.00	22.7	203	46	-66	351	49	-112	4.8	1.76e+23
2021/ 4/ 6	31.84	92.93	18.0	335	43	-129	203	58	-60	5.0	3.67e+23
2021/ 4/10	31.64	90.72	26.9	343	47	-119	203	50	-62	4.8	1.84e+23
2022/ 5/26	32.20	91.93	24.2	317	79	-176	226	86	-11	5.1	6.57e+23
2022/ 8/14	33.15	92.96	17.4	340	79	178	70	88	11	5.7	4.29e+24
2022/ 8/15	32.86	90.25	23.4	51	41	-38	172	66	-124	4.8	2.1e+23
2022/11/ 1	33.08	92.09	15.1	318	75	175	50	85	15	5.1	4.8e+23
Eastern Tibet (Eastern part)											
1979/ 3/29	32.61	97.75	12.0	358	75	-174	266	84	-15	5.8	5.68e+24
2000/ 4/15	32.85	95.65	33.0	90	68	-4	181	86	-158	5.2	8.16e+23
2000/ 9/13	33.94	95.12	15.0	84	77	1	353	89	167	5.0	4.05e+23
2001/ 7/25	33.27	95.85	33.0	350	53	-164	251	77	-38	5.5	2.28e+24
2002/ 6/29	34.06	94.28	33.0	90	87	3	0	87	177	5.6	3.03e+24

2006/ 2/21	31.75	95.13	14.5	70	36	-13	171	82	-125	4.9	2.59e+23
2006/ 7/17	33.07	96.40	22.1	297	70	-1	27	89	-160	5.2	8.63e+23
2006/ 7/19	33.06	96.27	24.6	302	64	4	210	86	154	5.5	2.34e+24
2006/ 7/23	32.99	96.17	27.0	11	75	-168	278	78	-15	4.8	2.33e+23
2010/ 4/13	33.08	96.71	27.4	209	71	-171	116	81	-19	4.9	2.83e+23
2010/ 4/13	33.05	96.79	15.7	210	67	178	300	88	23	6.9	2.53e+26
2010/ 4/14	33.18	96.53	17.9	296	65	2	205	89	155	6.1	1.58e+25
2010/ 4/28	33.12	96.60	25.4	182	79	178	273	89	11	4.9	2.39e+23
2010/ 5/29	33.20	96.28	20.8	75	88	1	345	89	178	5.8	5.6e+24
2010/ 6/ 3	33.23	96.28	23.9	178	80	177	268	87	10	5.5	2.01e+24
2010/ 6/ 3	33.24	96.25	24.4	171	82	-173	80	83	-8	5.1	6.39e+23
2010/ 6/ 6	33.18	96.27	18.1	262	78	5	171	85	168	4.9	2.43e+23
2010/ 9/ 7	33.22	96.30	22.6	178	84	-178	88	88	-6	5.1	5.09e+23
2011/ 6/26	32.33	95.98	15.9	182	63	-149	77	63	-31	5.3	1.03e+24
2013/ 1/30	32.86	94.86	19.6	176	81	-173	85	83	-9	5.2	9.13e+23
2013/ 2/ 4	32.86	94.84	25.2	342	87	-178	252	88	-3	4.9	2.83e+23
2013/ 8/26	33.17	94.18	18.8	177	65	-163	80	74	-26	4.8	2.24e+23
2016/ 2/23	31.86	95.11	20.6	188	41	-114	39	53	-71	4.9	2.58e+23
2016/ 4/23	31.76	95.08	23.9	185	43	-121	44	54	-64	4.8	2.11e+23
2016/ 5/11	31.87	95.12	17.1	197	39	-104	34	53	-79	5.5	2.19e+24
2016/10/17	32.79	94.95	20.9	63	59	-33	171	62	-145	6.0	1.2e+25
2016/11/17	32.59	96.21	22.3	79	73	1	349	89	163	4.9	2.65e+23
2017/ 1/31	31.46	94.07	22.3	160	79	-170	68	80	-11	4.8	2.06e+23
2017/10/12	31.88	95.17	20.1	195	37	-136	67	66	-62	5.0	3.59e+23
2020/ 1/24	31.87	95.10	22.5	25	44	-89	204	46	-91	5.3	1e+24
Longmenshan											
1976/ 8/16	32.63	104.42	15.0	29	48	122	166	51	60	6.7	1.29e+26
1976/ 8/21	32.37	104.29	15.3	198	40	113	349	54	72	6.3	3.14e+25
1976/ 8/23	32.11	104.21	19.6	172	45	72	16	48	107	6.4	4.6e+25
1989/ 9/22	30.87	102.83	15.0	352	18	61	202	74	99	6.1	1.75e+25
2004/ 8/26	33.76	104.90	18.2	334	46	38	216	64	130	4.6	9.76e+22
2006/ 6/20	33.14	105.04	13.6	194	84	179	284	89	6	4.9	3e+23
2008/ 5/12	31.44	104.10	12.8	231	35	138	357	68	63	7.9	8.97e+27
2008/ 5/12	31.31	103.62	14.9	204	71	-169	110	80	-19	6.1	1.65e+25
2008/ 5/12	31.37	104.11	28.4	227	41	132	357	61	60	5.6	3.35e+24
2008/ 5/12	31.30	103.61	15.6	116	59	-7	210	84	-149	5.2	9.38e+23
2008/ 5/12	31.30	103.58	20.7	63	37	-99	254	54	-83	5.1	4.91e+23
2008/ 5/13	30.90	103.42	14.3	213	42	109	7	51	73	5.8	5.61e+24
2008/ 5/14	31.28	103.59	12.0	215	80	-177	124	87	-10	5.4	1.84e+24
2008/ 5/14	31.30	104.08	20.7	29	42	108	185	51	74	5.1	4.87e+23
2008/ 5/16	31.37	104.33	19.8	225	26	101	32	64	85	4.8	1.97e+23
2008/ 5/16	31.25	103.33	24.0	235	71	-170	142	81	-19	5.6	3.38e+24
2008/ 5/16	31.09	103.61	23.8	258	64	13	162	78	153	4.9	2.47e+23
2008/ 5/16	31.30	103.55	17.9	360	69	174	92	84	21	5.0	3.49e+23
2008/ 5/17	32.21	105.08	16.1	38	45	77	236	47	103	5.8	5.4e+24
2008/ 5/19	32.56	105.38	16.2	316	60	28	211	66	147	5.2	8.43e+23
2008/ 5/19	32.24	105.16	17.1	249	48	126	22	53	57	4.9	2.63e+23
2008/ 5/22	31.13	103.67	26.4	86	32	-65	237	61	-105	4.9	2.48e+23
2008/ 5/25	32.57	105.45	27.0	59	84	178	149	88	6	6.1	1.59e+25
2008/ 5/27	32.71	105.65	25.5	335	73	2	245	88	163	5.2	6.82e+23
2008/ 5/27	32.74	105.66	24.1	89	73	-164	354	75	-17	5.5	2.06e+24
2008/ 6/ 8	31.85	104.33	22.5	93	64	28	349	65	151	4.8	2.06e+23
2008/ 7/23	32.71	105.61	12.0	10	44	115	157	51	68	5.5	1.97e+24
2008/ 7/24	32.82	105.55	13.4	110	75	12	17	79	165	5.6	2.81e+24
2008/ 8/ 1	32.04	104.72	21.0	354	29	54	213	67	108	5.7	4.12e+24
2008/ 8/ 1	32.44	105.12	27.3	342	72	-6	73	84	-162	4.9	2.92e+23
2008/ 8/ 5	32.69	105.57	12.0	348	44	103	151	47	78	6.0	1.11e+25
2008/ 8/ 7	32.02	104.75	20.8	52	43	90	232	47	90	4.9	3.22e+23
2008/ 9/11	32.98	105.65	12.0	339	41	93	155	49	88	5.1	6.28e+23
2008/11/15	32.14	104.74	29.2	77	83	3	346	87	172	5.0	3.48e+23
2008/12/ 9	32.66	105.65	15.7	24	38	34	266	70	123	5.1	5.83e+23
2009/ 1/14	31.20	103.39	20.0	98	42	-67	248	52	-110	4.8	2.1e+23
2009/ 6/29	31.31	104.15	12.0	212	29	54	71	67	108	5.3	9.79e+23
2009/ 6/30	31.37	104.20	20.4	206	41	83	34	49	96	4.9	3.1e+23
2009/ 9/19	32.87	105.61	12.0	350	40	82	180	50	96	4.9	3.2e+23
2009/11/27	31.13	103.90	12.0	43	44	80	236	47	99	4.9	3.22e+23
2010/ 5/25	31.11	103.62	29.0	14	44	59	233	53	116	5.0	3.61e+23
2011/10/31	32.49	105.36	24.7	232	44	70	79	50	108	5.0	4.19e+23
2013/ 4/20	30.22	103.12	21.9	212	42	100	19	49	81	6.6	1.02e+26
2013/ 4/20	30.08	103.06	23.4	215	45	100	21	46	80	5.4	1.6e+24
2013/ 4/20	30.28	103.31	30.3	177	42	74	17	50	103	4.8	2.15e+23
2013/ 4/21	30.29	103.29	22.7	234	48	119	15	49	62	5.0	4.49e+23
2013/ 4/21	30.27	103.18	16.2	35	45	86	221	45	94	5.2	7.03e+23
2014/ 6/ 9	32.48	105.17	23.8	298	42	106	97	50	76	4.8	1.73e+23

2017/ 7/16	32.34	105.46	14.1	10	86	-1	100	89	-176	4.7	1.38e+23
2017/ 8/ 8	33.21	103.89	16.2	151	79	-8	243	82	-168	6.5	6.98e+25
2017/ 8/ 9	33.06	103.98	28.9	247	63	-157	146	70	-29	5.0	4.13e+23
2017/ 8/ 9	33.14	103.87	29.3	66	85	-177	335	87	-5	4.9	2.45e+23
2017/ 9/30	32.29	105.16	12.9	21	54	42	263	57	135	5.1	6.33e+23
2017/11/ 6	33.25	103.91	13.3	247	35	144	8	70	61	4.8	1.79e+23
2018/ 9/12	32.71	105.75	24.7	75	83	-176	344	86	-7	5.1	4.86e+23
2020/ 1/22	31.61	103.25	21.8	45	83	-175	314	85	-7	4.7	1.51e+23
2020/10/22	31.67	104.20	28.0	310	25	109	109	66	81	4.9	2.98e+23
2021/ 7/14	30.87	103.54	16.3	178	53	43	59	57	135	4.7	1.6e+23
2022/ 6/ 1	30.34	103.06	21.7	216	44	101	21	47	80	5.8	6.87e+24
Sichuan-Yunnan Block (Northern part)											
1981/ 1/23	30.86	101.35	10.0	319	73	-4	51	86	-163	6.5	7.28e+25
1982/ 6/15	31.90	100.55	10.0	105	72	-3	196	87	-162	5.6	3.46e+24
1986/ 8/ 6	29.15	101.20	15.0	40	41	-162	296	78	-50	5.3	1.17e+24
1988/ 9/ 3	29.95	97.38	15.0	248	35	-106	88	57	-79	4.8	2.35e+23
1989/ 1/18	29.88	100.13	15.0	120	50	-20	223	75	-138	5.2	7.69e+23
1989/ 4/15	29.92	99.37	15.0	273	29	-73	74	62	-99	6.4	5.33e+25
1989/ 4/25	29.90	99.41	15.0	245	40	-114	96	54	-71	6.1	1.8e+25
1989/ 5/ 3	30.00	99.69	15.0	240	44	-117	95	52	-66	6.2	2.23e+25
1989/ 5/ 3	29.83	99.43	15.0	271	45	-90	91	45	-90	5.8	5.6e+24
1989/ 7/21	29.79	99.54	15.0	59	38	-127	283	60	-64	5.6	3.27e+24
1996/12/21	30.67	99.90	15.0	28	71	-167	294	78	-19	5.4	1.57e+24
1997/ 8/ 9	30.16	97.46	33.0	73	27	-90	253	63	-90	5.2	7.78e+23
2001/ 2/23	29.44	101.32	33.0	92	34	-73	252	57	-101	5.6	3.03e+24
2003/ 9/16	29.03	100.97	33.0	61	23	-119	272	70	-79	4.9	2.43e+23
2006/ 6/ 4	30.77	99.26	27.6	321	68	-16	57	75	-158	4.9	2.44e+23
2007/ 5/ 7	31.44	97.95	14.5	210	73	-173	118	84	-17	5.5	2.04e+24
2008/ 2/26	30.03	101.96	29.2	340	78	-7	71	83	-168	5.1	5.6e+23
2010/ 4/27	30.51	101.63	25.4	236	79	176	327	86	11	5.1	5.29e+23
2011/ 4/10	31.26	100.87	25.0	313	75	-7	45	83	-165	5.4	1.56e+24
2013/ 1/18	30.95	99.55	21.2	208	86	179	298	89	4	5.6	2.89e+24
2013/ 8/11	29.99	97.96	12.0	205	46	-141	86	63	-51	4.7	1.62e+23
2013/ 8/11	30.02	97.95	12.6	90	54	-40	206	58	-137	5.8	6.11e+24
2013/ 8/11	29.95	97.89	20.9	215	51	-128	86	52	-52	5.0	3.74e+23
2013/ 8/11	30.02	97.94	21.2	84	49	-49	211	55	-128	5.1	6.27e+23
2013/ 8/12	30.04	98.02	17.9	199	61	-158	98	71	-31	5.1	5.86e+23
2014/11/22	30.24	101.78	24.6	143	85	-1	233	89	-175	6.1	1.9e+25
2014/11/25	30.16	101.81	26.1	238	89	179	328	89	1	5.7	5.05e+24
2016/ 9/22	30.10	99.78	20.2	281	47	-55	56	53	-122	5.2	7.25e+23
2016/ 9/22	30.08	99.75	21.1	288	47	-61	69	51	-117	5.2	7.07e+23
2018/12/13	29.58	98.91	20.4	218	80	178	308	88	10	5.1	5.08e+23
Sichuan-Yunnan Block (Southern part)											
1976/11/ 6	27.50	101.40	22.7	19	66	-6	111	84	-156	6.3	3.64e+25
1978/ 8/31	27.41	101.04	10.0	5	58	-26	109	68	-145	5.3	1.1e+24
1980/ 2/ 2	27.60	101.38	10.0	213	74	-6	304	84	-164	5.5	1.98e+24
1982/ 7/ 3	26.59	100.27	10.0	347	26	-90	166	64	-90	5.3	9.61e+23
1985/ 4/18	25.39	102.64	10.0	100	57	-170	5	82	-33	5.7	4.93e+24
1986/ 3/13	25.45	101.02	15.0	330	25	-104	165	66	-84	5.3	1.13e+24
1993/ 8/14	25.63	101.80	33.0	209	76	15	115	76	165	5.2	7.54e+23
1995/10/23	25.87	102.54	15.0	13	75	-9	105	81	-165	6.2	2.18e+25
1996/ 2/ 3	27.15	100.28	15.0	0	36	-68	153	57	-105	6.6	9.94e+25
1996/ 2/ 4	26.84	100.38	15.0	358	33	-86	173	57	-93	5.5	2.58e+24
1996/ 2/ 6	27.52	100.12	15.0	132	57	-141	18	58	-40	5.4	1.82e+24
1996/ 9/24	27.18	100.70	15.0	321	41	-98	151	50	-83	5.5	1.96e+24
1997/10/23	27.14	100.55	15.0	153	20	-110	353	72	-83	5.1	5.67e+23
1998/10/ 2	27.45	101.52	15.0	332	16	-89	151	74	-90	5.3	1.22e+24
1998/11/19	27.25	101.47	15.0	31	79	-9	123	81	-169	5.6	2.69e+24
2000/ 1/14	25.34	101.28	33.0	25	77	-2	116	88	-167	5.5	1.92e+24
2000/ 1/14	25.39	101.40	33.0	27	78	-6	118	84	-168	5.9	8.33e+24
2001/ 5/23	27.53	101.11	33.0	8	87	-2	98	88	-177	5.4	1.77e+24
2001/ 7/ 9	24.89	101.25	33.0	233	50	2	142	89	140	5.1	6.41e+23
2001/10/27	26.36	101.01	15.0	35	69	1	305	89	159	5.5	2.58e+24
2003/ 7/21	25.98	101.32	15.0	200	80	-6	291	84	-170	5.9	8.58e+24
2003/10/16	25.89	101.52	33.0	18	88	-1	108	89	-178	5.6	2.88e+24
2003/11/14	27.68	103.21	15.0	250	36	-170	152	84	-55	5.6	2.76e+24
2005/ 8/ 5	26.46	103.19	27.0	252	73	-178	161	88	-17	5.2	8.82e+23
2008/ 8/30	26.19	102.04	24.1	100	86	180	190	90	4	6.0	1.09e+25
2008/ 8/31	26.16	102.01	24.6	11	77	-7	102	84	-167	5.6	2.69e+24
2009/ 7/ 9	25.52	101.17	15.1	204	84	-3	294	87	-174	5.7	5.09e+24
2009/ 7/10	25.54	101.10	14.9	21	83	4	291	86	173	5.2	6.7e+23
2009/ 7/12	25.56	101.19	15.0	231	43	17	129	79	132	4.9	3e+23
2009/11/ 1	25.89	100.86	13.0	286	84	180	16	90	6	4.9	2.52e+23
2010/ 2/25	25.40	102.04	24.6	14	76	-9	106	81	-166	5.2	7.05e+23

2012/ 6/24	27.72	100.75	12.5	313	46	-126	179	55	-59	5.6	2.77e+24
2013/ 2/19	27.17	103.16	20.6	99	76	178	189	88	14	4.9	3.18e+23
2013/ 4/17	26.14	99.91	21.4	332	52	-131	206	54	-50	5.3	1.26e+24
2013/10/14	27.95	102.94	24.4	264	75	172	356	82	15	4.9	2.7e+23
2013/11/28	25.54	100.68	20.4	160	41	-71	315	52	-106	4.8	2.02e+23
2014/ 5/ 7	25.43	102.01	20.8	356	72	-15	91	76	-162	4.8	1.77e+23
2014/ 8/ 3	27.06	103.50	14.6	71	81	-175	340	86	-9	6.2	2.12e+25
2015/ 3/ 9	25.26	103.30	25.2	183	74	-10	276	80	-163	4.8	1.85e+23
2015/10/28	27.62	100.38	13.6	203	45	103	6	46	78	4.8	2.18e+23
2017/ 2/ 8	27.00	103.54	22.4	341	79	8	250	82	169	5.1	4.75e+23
2017/ 3/12	27.02	103.55	22.5	337	74	-7	69	83	-164	4.8	1.88e+23
2018/ 8/12	24.22	102.82	18.3	201	61	3	110	88	151	5.1	6.2e+23
2018/ 8/13	24.18	102.82	14.8	206	77	9	113	81	167	4.9	2.84e+23
2018/10/31	27.71	102.18	29.1	183	84	2	92	88	174	5.0	4.09e+23
2019/ 7/21	26.11	100.77	21.8	27	77	-7	119	83	-167	5.0	3.5e+23
2020/ 5/18	27.21	103.23	19.4	353	75	-13	87	78	-165	5.1	5.8e+23
2021/ 5/19	25.66	100.06	24.2	319	73	-169	226	79	-17	4.8	2.21e+23
2021/ 5/21	25.63	100.04	14.2	327	40	-127	192	59	-63	5.2	9.01e+23
2021/ 5/21	25.62	100.01	15.1	45	80	7	314	83	170	6.1	1.6e+25
2021/ 5/21	25.59	100.12	21.6	150	53	-143	35	62	-44	5.2	6.71e+23
2021/ 5/22	25.55	100.08	16.5	331	39	-125	194	59	-65	4.8	1.81e+23
2021/ 6/10	24.37	101.97	18.2	31	72	-3	122	87	-162	5.0	4.65e+23
2022/ 1/ 2	27.73	100.78	14.4	302	61	-157	200	70	-31	5.3	1.22e+24
2022/ 4/16	27.76	100.67	24.5	91	79	-176	360	86	-11	4.8	1.81e+23
Shan Plateau (Northern part)											
1976/ 5/29	24.39	98.65	15.0	323	80	-172	232	82	-10	6.7	1.22e+26
1976/ 5/29	24.29	98.58	15.0	242	88	0	152	90	178	6.6	1.12e+26
1976/ 5/31	24.26	98.60	15.0	342	72	-169	249	80	-18	6.1	1.63e+25
1976/ 7/21	24.74	98.57	15.0	338	88	-178	248	88	-2	6.1	1.98e+25
1981/ 8/14	25.61	98.51	10.0	153	46	-141	33	63	-52	5.2	9e+23
1994/ 1/11	24.80	97.40	15.0	106	25	-85	281	65	-92	6.1	1.6e+25
2001/ 4/12	24.77	98.81	15.0	57	63	-28	161	65	-150	5.6	3.21e+24
2008/ 3/21	24.54	97.81	18.1	348	82	179	79	89	8	5.1	6.04e+23
2008/ 8/19	25.09	98.03	18.7	21	42	-117	235	53	-68	5.0	3.95e+23
2008/ 8/21	24.92	97.99	18.2	7	80	178	97	88	10	6.0	1.31e+25
2008/ 9/ 3	24.84	98.02	18.4	276	84	0	186	90	174	5.0	3.63e+23
2008/12/25	23.97	97.86	17.3	353	76	174	84	84	14	4.8	2.31e+23
2010/ 6/ 1	24.84	99.24	17.6	342	60	-154	238	67	-33	4.9	2.53e+23
2011/ 3/10	24.64	97.98	15.0	64	79	5	333	85	169	5.5	1.95e+24
2011/ 6/20	25.00	98.80	15.7	271	44	82	103	46	98	5.0	4.24e+23
2011/ 8/ 9	24.98	98.73	20.1	251	86	1	161	89	176	5.1	6.11e+23
2011/11/28	25.09	97.67	17.6	20	81	-177	289	87	-9	5.2	6.87e+23
2012/ 9/11	24.69	99.30	12.0	349	45	-136	224	60	-55	4.9	3.28e+23
2014/ 5/23	24.96	97.90	19.5	334	85	178	64	88	5	5.7	4.85e+24
2014/ 5/30	24.93	97.90	14.7	82	79	5	351	85	169	5.9	8.99e+24
2015/10/30	24.98	99.57	15.9	177	45	-118	35	51	-64	4.9	3.35e+23
2021/ 5/13	24.35	99.36	18.5	331	66	174	64	85	24	4.7	1.62e+23
2021/ 6/12	24.97	98.01	20.0	60	87	1	329	89	177	4.9	3.02e+23
1978/ 9/ 9	23.20	101.03	10.0	223	69	7	131	84	158	5.3	1.19e+24
1984/ 4/23	21.79	99.62	17.0	84	69	13	349	78	159	5.9	9.01e+24
1988/11/ 6	23.00	99.68	15.0	333	78	174	64	84	12	7.0	3.66e+26
1988/11/ 7	23.38	99.42	15.0	122	55	40	6	58	137	5.2	8.4e+23
1988/11/15	22.80	99.23	15.0	333	70	180	63	90	20	5.3	1.02e+24
1988/11/27	22.70	100.17	15.0	71	61	14	334	78	151	5.5	1.93e+24
1988/11/30	22.15	99.54	15.0	167	75	-177	76	87	-15	6.0	1.49e+25
1989/ 5/ 7	23.46	99.65	15.0	335	76	169	68	79	15	5.6	3.32e+24
1992/ 4/23	22.54	98.97	15.0	354	77	-168	262	79	-13	6.1	1.58e+25
1992/ 4/23	22.40	98.85	15.0	345	68	-173	252	84	-22	6.1	1.93e+25
1993/ 1/26	22.86	100.88	24.4	50	82	-5	141	85	-172	5.6	3.07e+24
1995/ 7/ 9	21.92	99.28	15.0	64	66	3	333	88	156	5.9	7.53e+24
1995/ 7/11	21.89	99.22	15.0	60	85	1	330	89	175	6.8	1.91e+26
2007/ 1/ 7	22.04	98.30	20.0	92	71	-1	182	89	-161	4.8	2.1e+23
2007/ 6/ 2	23.02	101.13	12.0	146	63	156	247	69	29	6.1	1.73e+25
2007/ 6/ 3	22.93	101.12	24.4	238	79	10	147	80	169	4.9	2.65e+23
2014/10/ 7	23.38	100.54	12.1	329	81	174	60	84	9	6.1	1.89e+25
2014/12/ 5	23.28	100.59	12.0	79	72	9	346	81	162	5.6	3.31e+24
2014/12/ 6	23.30	100.58	15.1	339	71	173	71	84	19	5.5	2.64e+24
2015/ 3/ 1	23.49	99.04	18.3	69	66	9	336	82	156	5.3	9.62e+23
Shan Plateau (Eastern part, Simao Fold and Thrust Belt)											
1979/ 3/15	23.24	101.61	10.0	33	62	-3	124	87	-152	6.0	1.33e+25
1981/ 9/19	22.84	101.54	10.0	143	71	-172	50	82	-19	5.3	1.33e+24
1982/ 6/ 1	21.97	102.36	10.0	49	66	-3	141	87	-156	5.5	1.94e+24
1983/ 6/24	21.85	103.67	10.0	20	66	0	110	90	-156	6.2	2.84e+25
1983/ 7/15	21.93	103.29	15.0	34	78	10	301	80	168	5.3	1e+24

1989/ 6/16	20.61	102.61	15.0	25	65	-9	119	82	-154	5.6	2.85e+24
1995/ 4/24	22.88	103.16	33.0	102	80	-173	11	83	-10	5.2	7.85e+23
2010/12/30	20.85	103.53	22.2	123	72	178	213	88	18	4.8	1.99e+23
2013/ 2/20	23.19	101.70	15.4	237	49	24	131	72	137	4.7	1.51e+23
2018/ 9/ 8	23.24	101.64	14.2	126	80	-178	36	88	-10	5.7	3.76e+24
2019/ 1/14	21.33	101.80	12.0	324	69	180	54	90	21	4.8	1.86e+23
2020/ 6/16	22.42	102.56	20.6	15	60	7	282	84	150	4.7	1.67e+23
2020/ 7/27	20.94	104.74	13.1	119	77	167	212	78	13	5.0	3.64e+23
2021/11/16	22.25	101.81	15.3	218	70	2	128	88	160	4.8	2.12e+23
2021/11/16	22.26	101.84	15.9	112	60	179	203	89	30	4.7	1.47e+23
2021/12/24	22.29	101.74	12.0	124	85	-179	34	89	-5	5.7	4.46e+24
2021/12/24	22.29	101.76	16.4	218	73	-4	309	86	-163	4.9	2.73e+23
2021/12/31	22.36	101.76	19.9	129	82	177	220	87	8	4.8	2.09e+23
2022/11/18	23.40	102.44	12.0	303	71	-174	211	84	-19	5.2	6.7e+23
Shan Plateau (Southern part)											
1978/ 8/ 2	20.26	100.51	15.0	148	84	177	239	87	6	5.2	8.29e+23
1981/ 9/12	21.12	99.71	16.0	77	60	13	341	79	150	5.1	6.32e+23
1989/ 9/28	20.32	99.06	15.0	76	72	-1	167	89	-162	5.8	6.17e+24
1989/ 9/30	20.26	99.23	15.0	85	78	-168	352	78	-13	5.7	5.26e+24
1994/ 9/11	19.41	99.91	15.0	64	27	-55	206	68	-107	5.2	8.18e+23
2000/ 1/19	19.92	101.33	15.0	64	80	4	333	86	170	5.4	1.58e+24
2007/ 5/16	20.52	100.89	12.6	324	81	179	54	89	9	6.3	3.35e+25
2007/ 6/23	21.49	100.00	16.1	61	81	8	330	82	171	5.6	3.31e+24
2007/ 6/23	21.46	99.93	17.6	334	60	-167	237	79	-31	5.4	1.57e+24
2010/ 3/19	21.47	99.99	15.2	234	63	-19	332	74	-152	4.9	2.44e+23
2011/ 3/24	20.62	100.02	13.2	339	79	175	70	85	11	6.8	2.26e+26
2011/ 3/24	20.61	99.90	14.4	347	72	168	80	79	18	5.7	4.01e+24
2011/ 3/25	20.60	99.95	12.0	8	63	166	104	78	28	5.0	4.14e+23
2011/ 3/26	20.68	100.29	14.9	236	79	2	146	88	168	5.0	3.48e+23
2014/ 5/ 5	19.72	99.68	12.0	67	81	0	337	90	171	6.2	2.31e+25
2014/ 5/ 5	19.64	99.60	12.0	249	83	4	158	86	173	4.8	1.71e+23
2014/ 5/ 6	19.73	99.71	12.7	160	88	180	250	90	2	5.2	8.21e+23
2014/ 5/ 6	19.63	99.57	12.0	240	66	-24	340	68	-154	5.3	9.8e+23
2017/ 4/18	20.68	100.17	21.5	235	84	3	145	87	174	4.9	3.03e+23
2019/ 2/20	19.24	99.60	16.0	82	68	9	349	82	158	4.7	1.27e+23
2019/11/20	19.44	101.41	12.0	76	62	2	345	88	152	5.7	4.05e+24
2019/11/20	19.36	101.44	12.0	70	63	-6	163	84	-153	6.1	1.

1978/ 9/30	16.64	95.94	10.0	17	76	-168	284	78	-14	5.7	5.07e+24
2003/ 9/21	19.86	95.72	15.8	8	71	172	100	83	20	6.6	8.55e+25
2003/10/30	19.82	95.73	15.0	121	42	63	336	54	112	5.3	9.46e+23
2003/12/19	19.65	95.80	15.0	136	39	66	346	55	108	5.2	7.18e+23
2005/ 2/ 8	19.61	96.05	16.0	129	46	53	356	55	122	4.7	1.65e+23
2006/ 8/ 2	19.08	95.74	20.7	4	87	-178	274	88	-3	4.7	1.53e+23
2007/ 7/30	19.06	95.77	12.0	322	44	101	127	47	79	5.6	3.04e+24
2007/ 7/31	19.05	95.79	13.5	313	43	86	138	47	94	5.0	3.99e+23
2013/ 4/ 3	19.13	95.79	12.0	152	36	102	318	55	82	5.3	1.06e+24
2013/ 4/ 4	19.08	95.77	12.0	311	46	77	150	46	103	5.1	5.23e+23
2013/ 4/11	19.04	95.83	12.0	125	39	70	330	53	105	5.1	5.29e+23
2015/ 7/21	19.15	96.25	18.9	166	40	118	312	55	69	4.8	2.15e+23
2017/ 3/13	17.23	96.09	12.0	97	85	4	7	86	175	5.2	7.66e+23
2018/ 1/11	18.31	96.15	12.0	171	42	113	320	52	70	5.9	9.88e+24
2018/ 3/ 7	19.76	96.00	19.7	177	76	173	269	83	14	4.9	2.52e+23
2018/ 3/17	18.24	96.21	18.5	174	44	102	338	48	79	4.8	2.07e+23
2018/ 4/20	18.23	96.20	15.2	165	37	106	326	55	78	4.9	3.15e+23
2018/ 4/24	18.29	96.13	12.0	164	39	112	317	55	73	4.9	2.49e+23
2018/ 6/17	18.18	96.22	12.7	145	37	82	336	53	96	5.0	3.56e+23
1981/ 6/30	23.00	95.45	10.0	7	40	142	128	67	57	4.9	2.76e+23
2015/11/27	22.38	94.99	16.6	92	37	38	330	69	121	5.4	1.61e+24
2019/ 8/31	22.67	95.61	16.0	7	75	170	99	81	15	5.5	2.29e+24
Burma (Indo-Burma Range)											
1989/12/ 8	21.54	93.78	15.0	213	38	-31	328	71	-124	5.4	1.66e+24
2003/ 7/26	22.90	92.31	15.0	338	32	82	168	59	95	5.6	3.53e+24
2003/ 7/27	22.83	92.34	15.0	2	16	88	184	74	91	5.4	1.69e+24
2008/ 1/12	22.65	92.36	17.7	353	35	104	157	56	81	4.9	2.58e+23
2009/12/13	21.87	91.74	12.0	345	40	94	160	51	87	4.9	2.8e+23
2014/ 9/ 9	21.98	93.14	16.1	118	81	6	27	84	171	5.4	1.8e+24
2020/ 6/21	23.10	93.26	19.9	13	70	175	105	85	20	5.7	3.79e+24
2020/ 7/28	23.10	93.36	20.0	285	85	-3	16	87	-175	4.7	1.45e+23
2020/ 8/27	23.08	93.31	15.7	5	74	169	99	79	17	5.4	1.36e+24
2020/ 7/ 5	23.12	93.25	22.6	5	75	178	96	88	15	4.7	1.38e+23
2020/ 7/17	23.12	93.27	23.5	9	69	176	101	86	21	5.2	7.18e+23
Burma (Kabaw Fault region)											
1980/11/20	22.69	94.49	20.0	208	19	131	345	76	78	5.2	7.79e+23
2006/ 5/11	23.31	94.30	33.7	15	42	102	180	49	80	5.6	2.71e+24
2020/ 4/16	22.61	94.06	15.0	246	16	169	347	87	74	6.1	2.03e+25
2021/ 4/18	22.41	94.38	37.9	161	31	61	14	63	106	5.1	5.22e+23
Indian Slab (21-55 km)											
1977/ 5/12	21.60	92.77	40.0	216	72	3	125	87	162	5.9	9.91e+24
1986/ 2/ 8	23.79	93.09	33.0	224	62	-15	321	77	-152	5.4	1.46e+24
1988/ 2/ 6	24.05	91.66	31.0	239	76	9	147	82	166	5.8	6.7e+24
1989/ 4/13	24.25	91.71	33.0	291	6	20	181	88	96	5.4	1.7e+24
1989/12/ 2	21.62	93.89	44.6	196	42	-50	328	59	-120	5.3	1.14e+24
1996/11/19	24.05	93.38	53.0	102	34	59	317	61	109	5.3	1.3e+24
1997/ 5/ 8	24.51	92.36	35.0	78	68	4	347	86	158	5.9	8.57e+24
1997/ 7/31	23.80	93.43	41.8	330	16	40	201	80	103	5.2	9.06e+23
1997/11/21	22.21	92.70	54.4	163	37	168	263	83	54	6.1	1.55e+25
1999/ 2/22	23.15	93.99	51.0	47	35	-103	242	56	-81	5.0	4.22e+23
2002/10/16	21.16	93.16	45.9	310	43	-128	177	57	-60	5.1	5.5e+23
2004/12/ 9	24.66	92.72	39.4	243	42	32	128	69	128	5.3	1.26e+24
2005/ 2/15	24.52	92.61	27.2	145	52	-174	52	86	-38	5.0	4.18e+23
2006/ 3/25	23.33	93.91	46.0	142	76	-176	51	86	-14	5.1	5.85e+23
2006/ 5/30	20.54	92.04	21.0	63	85	-2	153	88	-175	4.9	3.21e+23
2006/ 8/12	24.59	92.86	32.7	255	61	20	156	73	149	5.0	3.86e+23
2006/11/ 3	21.99	93.26	34.5	216	70	2	126	88	160	5.0	3.68e+23
2006/11/10	24.61	92.61	31.8	141	46	154	249	72	47	4.9	3.04e+23
2007/11/ 7	22.15	92.50	25.0	251	81	-7	343	83	-171	5.5	1.97e+24
2013/ 3/ 2	24.56	92.28	45.1	332	37	147	89	71	58	5.2	9.05e+23
2014/11/20	23.49	93.46	35.2	157	56	-150	49	66	-37	5.7	4.06e+24
2016/ 1/ 3	24.71	93.47	52.4	338	49	165	78	78	42	6.7	1.51e+26
2017/ 1/ 3	23.98	92.03	24.5	64	86	-2	154	88	-176	5.6	3.15e+24
2017/ 8/ 2	24.34	93.76	42.3	159	65	174	252	85	25	5.1	6.6e+23
2018/11/10	23.93	93.50	35.3	250	68	1	160	89	158	5.1	5.28e+23
2020/ 1/23	20.37	93.48	32.3	164	41	-114	15	53	-70	4.9	3.22e+23
2020/ 5/25	24.41	93.92	38.2	253	66	4	161	86	156	5.2	7.85e+23
2020/ 6/21	23.89	93.23	33.8	237	67	11	143	80	156	5.0	3.37e+23
2020/10/10	24.59	93.60	34.8	252	82	5	161	85	172	5.5	1.99e+24
2021/11/25	22.62	93.43	42.0	240	70	1	149	89	160	6.2	2.3e+25
Indian Slab (> 55 km)											
1977/10/13	23.27	93.16	60.8	145	41	-171	48	84	-49	5.4	1.62e+24
1978/ 2/23	23.16	94.93	122.2	331	31	44	201	69	113	5.1	5.37e+23
1979/ 1/ 1	20.51	93.59	95.0	93	32	62	305	62	106	5.3	1.12e+24

1979/ 5/29	24.92	95.05	108.5	109	30	134	241	69	68	5.3	1.31e+24
1979/ 7/13	25.13	95.59	117.1	44	28	99	215	62	85	5.0	3.88e+23
1981/ 4/25	24.99	95.52	152.9	135	44	80	329	47	99	5.7	3.89e+24
1981/ 5/ 1	23.32	94.64	99.1	247	22	21	137	82	111	4.9	3.34e+23
1983/ 4/17	21.86	94.19	112.3	236	26	-22	345	81	-115	5.0	4.53e+23
1983/ 8/23	24.48	94.69	147.9	297	44	58	158	54	118	5.2	6.76e+23
1983/ 8/30	25.34	94.90	68.9	161	65	159	260	71	26	5.7	4.24e+24
1983/10/21	21.87	94.37	92.0	109	5	-151	350	87	-85	5.2	8.6e+23
1983/11/16	26.58	96.38	144.4	177	58	147	286	62	37	5.4	1.35e+24
1984/ 3/ 5	24.85	95.49	95.8	114	21	144	238	78	72	5.4	1.73e+24
1984/ 5/ 6	24.33	93.42	61.3	157	69	161	254	73	22	6.0	1.19e+25
1984/12/30	24.75	92.99	101.8	352	46	123	129	53	61	6.0	1.33e+25
1985/ 4/24	25.83	95.97	56.4	324	38	58	182	58	113	5.2	8.75e+23
1986/ 4/26	23.31	94.92	129.2	87	30	136	217	69	67	5.1	4.75e+23
1986/ 7/26	23.86	94.19	64.9	130	72	15	36	76	162	5.4	1.74e+24
1987/ 5/18	24.58	93.94	75.3	67	68	-14	163	77	-158	6.2	2.76e+25
1987/ 8/24	23.04	94.53	126.5	135	42	144	254	67	54	5.3	9.76e+23
1988/ 2/19	18.62	95.57	66.0	114	14	-124	329	78	-82	5.2	7.42e+23
1988/ 7/ 3	22.22	94.36	86.0	133	18	-104	327	72	-85	5.0	4.45e+23
1988/ 8/ 6	25.19	94.89	100.5	284	45	55	148	54	120	7.2	8.9e+26
1988/ 8/13	24.94	95.24	126.0	307	35	69	152	58	104	5.0	4.56e+23
1988/ 8/21	24.94	95.89	93.8	67	49	28	318	69	136	5.2	6.78e+23
1989/ 4/ 3	25.15	94.81	85.3	71	81	-8	163	82	-171	5.6	2.73e+24
1989/ 7/15	22.91	93.94	139.4	111	44	159	217	75	48	5.5	2.54e+24
1989/ 9/24	20.22	94.75	144.0	83	59	145	192	61	36	5.3	1.2e+24
1990/ 1/ 9	24.42	94.95	129.6	140	32	139	267	69	64	6.3	3.05e+25
1991/ 5/11	23.42	93.25	73.6	159	77	171	251	81	13	5.4	1.43e+24
1991/12/ 4	24.19	93.83	70.0	245	68	11	151	79	157	5.5	2e+24
1991/12/20	24.47	93.08	100.8	258	54	30	150	66	140	5.3	1.19e+24
1992/ 3/25	24.18	95.20	119.7	272	30	43	143	70	113	5.1	6.53e+23
1992/ 3/27	21.12	94.52	86.2	159	12	-85	334	78	-91	5.6	2.76e+24
1992/ 4/15	23.96	94.57	142.5	281	45	56	145	54	120	5.7	4.09e+24
1992/ 7/ 8	21.07	93.51	79.0	191	33	-75	353	58	-100	5.2	8e+23
1992/11/22	20.43	94.51	71.4	187	29	-43	317	71	-112	5.2	7.61e+23
1993/ 4/ 1	23.55	94.00	107.0	99	44	-169	1	83	-46	5.1	5.68e+23
1994/ 8/ 3	21.61	93.88	64.5	216	73	0	306	90	-163	5.7	4.57e+24
1994/ 8/ 8	24.76	94.97	145.6	111	34	120	257	61	71	6.1	1.83e+25
1995/ 5/ 6	24.83	95.02	147.7	278	39	60	135	57	112	6.4	4.84e+25
1995/ 5/ 9	25.00	94.94	123.9	142	33	118	289	62	73	5.2	6.84e+23
1996/ 7/27	20.80	94.85	128.9	204	60	33	96	62	146	5.2	7.8e+23
1996/11/11	19.27	95.05	85.6	191	68	20	93	71	157	6.0	1.1e+25
1997/ 4/14	22.55	94.18	110.1	150	61	165	247	77	30	5.2	8.66e+23
1997/ 7/11	21.41	94.64	150.4	208	37	24	98	76	124	5.3	1.21e+24
1998/ 5/ 2	24.84	95.09	127.4	132	68	156	232	68	24	5.5	1.96e+24
1998/10/16	23.82	94.74	112.1	86	12	180	177	90	78	5.3	1.12e+24
1999/ 4/ 5	24.50	93.96	65.1	86	62	16	348	76	151	5.5	2.51e+24
2000/ 7/ 2	24.45	94.67	103.2	133	37	155	244	75	56	5.2	7.74e+23
2000/10/11	23.58	94.63	122.3	343	14	98	155	77	88	5.5	2.41e+24
2000/11/13	21.94	93.04	74.0	216	83	-5	307	85	-173	5.4	1.71e+24
2001/ 3/ 3	23.99	93.43	64.1	140	40	-141	19	66	-57	5.2	7e+23
2001/ 4/10	25.35	94.91	148.7	8	34	28	254	75	121	5.2	9.14e+23
2001/ 8/12	24.43	94.99	142.0	285	40	48	155	61	119	5.0	4.41e+23
2003/ 1/17	19.68	95.13	114.2	38	31	159	146	80	61	5.0	4.08e+23
2004/10/ 8	24.34	94.35	77.5	139	46	147	252	67	48	4.8	2.29e+23
2005/ 1/18	22.73	94.52	88.7	271	28	31	153	76	115	4.8	2.22e+23
2005/ 2/ 3	26.04	95.58	78.6	286	24	-26	40	80	-112	4.9	2.58e+23
2005/ 2/15	24.40	94.62	60.4	276	61	28	171	65	147	5.2	7.85e+23
2005/ 3/23	26.17	95.43	79.0	132	42	177	225	88	48	4.9	3.21e+23
2005/ 3/25	25.54	94.92	83.0	151	65	176	243	86	25	5.2	7.5e+23
2005/ 7/17	20.80	95.09	121.6	241	36	53	105	62	114	5.0	3.36e+23
2005/ 9/18	24.48	94.71	105.4	271	54	38	156	60	138	5.7	3.79e+24
2006/ 3/ 2	24.22	94.42	69.3	251	70	5	159	85	160	4.9	2.74e+23
2007/ 1/ 9	19.13	95.35	97.6	174	48	18	72	77	136	4.9	3.14e+23
2007/ 5/ 7	23.02	94.58	97.3	229	69	13	134	77	159	5.0	3.82e+23
2007/12/ 7	23.46	94.66	108.7	135	42	120	277	54	65	5.0	3.75e+23
2008/ 7/ 7	25.95	95.34	70.0	137	45	135	262	60	55	4.9	2.5e+23
2009/ 8/11	24.25	94.77	115.0	119	45	139	241	62	53	5.5	2.13e+24
2009/ 8/30	25.13	95.06	78.0	261	52	32	150	65	138	5.3	1.01e+24
2009/ 9/ 3	24.29	94.73	115.5	144	46	152	255	70	48	5.9	8.77e+24
2009/ 9/21	20.14	94.87	74.2	227	33	2	136	89	123	5.7	4.26e+24
2009/12/29	24.31	94.84	125.1	124	41	143	244	66	55	5.6	3.6e+24
2010/ 2/20	23.14	94.63	104.8	231	46	67	83	49	112	4.8	2.28e+23
2010/ 3/12	22.99	94.62	114.7	103	32	142	227	71	64	5.5	2.18e+24
2011/ 2/ 4	24.46	94.68	103.5	256	52	36	142	62	136	6.3	3.09e+25

2011/11/21	24.82	95.19	129.2	143	48	118	284	49	62	5.8	5.63e+24
2012/ 7/29	22.83	94.32	71.9	174	65	-175	82	85	-25	5.8	5.46e+24
2012/12/22	22.29	94.80	142.2	149	37	159	256	78	55	5.5	2.16e+24
2013/ 1/ 9	25.09	94.95	105.9	288	41	67	137	53	109	5.8	7.05e+24
2013/ 7/20	21.89	94.30	99.7	283	47	39	164	63	130	4.8	2.2e+23
2013/ 8/ 2	23.74	94.82	92.9	235	36	40	111	68	119	4.9	3.19e+23
2014/ 8/16	24.66	94.76	94.0	141	61	155	243	69	32	4.9	3.21e+23
2014/11/17	20.78	94.44	90.3	97	23	-156	345	81	-69	5.3	1.16e+24
2014/12/21	24.30	94.76	92.6	152	68	157	252	68	24	5.1	5.96e+23
2015/ 1/24	25.01	95.21	113.7	251	54	36	138	61	138	4.8	1.81e+23
2015/ 2/12	23.97	93.93	96.4	170	75	-174	78	84	-15	5.0	4.72e+23
2016/ 4/13	23.02	94.78	149.8	129	39	124	269	59	66	6.9	3.17e+26
2016/ 7/27	21.36	94.69	103.1	134	52	137	254	57	47	5.0	3.4e+23
2016/ 8/ 1	21.25	94.87	128.1	210	47	52	79	55	123	5.0	4.01e+23
2016/ 8/23	23.76	94.71	127.0	137	52	140	254	59	45	5.1	5.87e+23
2016/ 8/24	20.79	94.58	88.3	338	7	84	164	83	91	6.8	1.71e+26
2016/10/26	22.82	94.71	118.4	153	46	161	257	76	46	4.8	1.8e+23
2017/ 1/ 3	23.29	94.56	96.6	128	59	-178	37	88	-31	5.0	3.52e+23
2017/ 2/24	24.01	93.52	88.2	75	64	26	333	67	152	5.1	4.77e+23
2017/ 3/ 4	25.16	94.76	97.9	74	74	2	343	88	164	5.0	4.37e+23
2017/12/28	21.97	94.41	84.4	130	59	157	232	71	33	5.0	4.38e+23
2018/ 4/24	22.84	94.70	120.6	139	61	155	242	68	32	5.2	7.28e+23
2018/ 6/ 5	24.46	95.17	128.6	250	46	45	125	59	126	4.8	1.99e+23
2019/ 5/ 4	26.02	95.81	96.4	288	57	23	185	71	145	5.2	9.2e+23
2019/11/26	19.26	94.93	78.5	64	46	160	168	76	45	5.4	1.68e+24
2020/11/14	23.50	94.72	100.3	260	56	34	149	62	141	4.9	3.12e+23
2020/12/ 8	22.21	94.40	93.0	123	59	180	213	90	31	4.9	2.6e+23
2021/ 9/19	25.17	95.00	58.8	175	37	-150	60	72	-57	4.7	1.26e+23
2021/10/ 7	22.21	94.79	138.6	99	34	122	242	61	70	5.5	2.61e+24
2022/ 1/21	22.88	93.81	72.1	245	49	33	132	66	134	5.4	1.44e+24
2022/ 5/ 1	22.73	94.25	73.8	173	37	-124	33	61	-67	4.8	2.19e+23
2022/ 8/24	23.73	94.47	89.0	303	49	19	201	76	138	4.8	2.07e+23
2022/ 9/29	22.98	95.02	168.0	126	31	135	257	69	67	5.6	3.61e+24