Date (yyyy/mm/dd)	Latitude (°N)	Longitude (°E)	Depth (km)	Strike1	Dip1	Fault Pa Rake1	rameters Strike2	Dip2	Rake2	Moment Magnitude	Moment (dyne/cm ²
(5555.2222	(11)		(1111)		D.p.i	Ttunto	Strike2		Ttune2	(Mw)	(4) 110, 5111
						(Western pa		Γ			T
1981/6/9	34.21	91.28	10.0	76	81	-3	166	87	-171	6.0	1.41e+25
1983/11/ 5 1986/ 8/20	33.97 34.58	90.06	10.0	250 253	73 69	-7 -18	343 350	83 73	-163 -158	5.6	2.78e+24 4.88e+25
1988/11/5	34.38	91.96	15.0	158	67	171	251	81	24	6.2	4.88e+25 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	90	38 87	-113	214	56 87	-74	5.3	1.32e+24
2002/ 6/29 2002/ 9/27	34.06 32.95	94.28 93.49	33.0 33.0	172	81	-171	80	81	177 -9	5.6 5.1	3.03e+24 5.31e+23
2003/ 2/11	32.55	93.47	46.1	172	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 2006/ 4/19	34.71 31.61	92.96 90.67	15.0 23.2	123 325	38 80	36 -179	235	69 89	122 -10	4.8 5.7	2.03e+23 4.24e+24
2006/ 4/19	33.10	90.67	20.5	66	67	-1/9	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 2008/ 8/10	33.13	92.20 92.02	23.4 19.0	59	71	-51 -10	179 152	54 81	-126 -160	4.8	1.95e+23 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 80	-163	80	74	-26	4.8	2.24e+23
2014/ 1/16 2014/ 1/19	31.86	90.38	26.9 24.5	326 64	61	-177 -6	235 156	87 85	-10 -151	5.1 4.8	4.84e+23 1.87e+23
2014/ 1/19	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 2021/4/6	31.93 31.84	93.00 92.93	22.7 18.0	203 335	46	-66 -129	351 203	49 58	-112 -60	4.8 5.0	1.76e+23 3.67e+23
2021/4/6	31.84	92.93	26.9	343	43	-129	203	50	-62	4.8	3.67e+23 1.84e+23
2021/ 4/10	32.20	91.93	24.2	317	79	-176	203	86	-02	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 t (Eastern pa	50	85	15	5.1	4.8e+23
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	-1/4	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
				79	73	1		89			
2016/11/17	32.59	96.21	22.3			1.70	349		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
					Longm	ienshan					
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/ 5/12	31.30	103.58	20.7	63	37 42	-99 109	254	54	-83 73	5.1	4.91e+23 5.61e+24
2008/ 5/13	30.90	103.42	14.3	213	42	109	7	51	73	5.8	5.61e+24
2008/ 5/13 2008/ 5/14	30.90 31.28	103.42 103.59	14.3 12.0	213 215	42 80	109 -177	7 124	51 87	73 -10	5.8 5.4	5.61e+24 1.84e+24
2008/ 5/13 2008/ 5/14 2008/ 5/14	30.90 31.28 31.30	103.42 103.59 104.08	14.3 12.0 20.7	213 215 29	42 80 42	109 -177 108	7 124 185	51 87 51	73 -10 74	5.8 5.4 5.1	5.61e+24 1.84e+24 4.87e+23
2008/ 5/13 2008/ 5/14 2008/ 5/14 2008/ 5/16	30.90 31.28 31.30 31.37	103.42 103.59 104.08 104.33	14.3 12.0 20.7 19.8	213 215 29 225	42 80 42 26	109 -177 108 101	7 124 185 32	51 87 51 64	73 -10 74 85	5.8 5.4 5.1 4.8	5.61e+24 1.84e+24 4.87e+23 1.97e+23
2008/ 5/13 2008/ 5/14 2008/ 5/14	30.90 31.28 31.30	103.42 103.59 104.08	14.3 12.0 20.7	213 215 29	42 80 42	109 -177 108	7 124 185	51 87 51	73 -10 74	5.8 5.4 5.1	5.61e+24 1.84e+24 4.87e+23
2008/ 5/13 2008/ 5/14 2008/ 5/14 2008/ 5/16	30.90 31.28 31.30 31.37	103.42 103.59 104.08 104.33	14.3 12.0 20.7 19.8	213 215 29 225	42 80 42 26	109 -177 108 101	7 124 185 32	51 87 51 64	73 -10 74 85	5.8 5.4 5.1 4.8	5.61e+24 1.84e+24 4.87e+23 1.97e+23
2008/ 5/13 2008/ 5/14 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16	30.90 31.28 31.30 31.37 31.25 31.09	103.42 103.59 104.08 104.33 103.33 103.61	14.3 12.0 20.7 19.8 24.0 23.8	213 215 29 225 235 258	42 80 42 26 71	109 -177 108 101 -170 13	7 124 185 32 142 162	51 87 51 64 81 78	73 -10 74 85 -19 153	5.8 5.4 5.1 4.8 5.6 4.9	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23
2008/ 5/13 2008/ 5/14 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16	30.90 31.28 31.30 31.37 31.25 31.09 31.30	103.42 103.59 104.08 104.33 103.33 103.61 103.55	14.3 12.0 20.7 19.8 24.0 23.8 17.9	213 215 29 225 235 258 360	42 80 42 26 71 64 69	109 -177 108 101 -170 13 174	7 124 185 32 142 162 92	51 87 51 64 81 78 84	73 -10 74 85 -19 153 21	5.8 5.4 5.1 4.8 5.6 4.9 5.0	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23 3.49e+23
2008/ 5/13 2008/ 5/14 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16	30.90 31.28 31.30 31.37 31.25 31.09 31.30 32.21	103.42 103.59 104.08 104.33 103.33 103.61 103.55 105.08	14.3 12.0 20.7 19.8 24.0 23.8 17.9 16.1	213 215 29 225 235 258 360 38	42 80 42 26 71 64 69 45	109 -177 108 101 -170 13 174 77	7 124 185 32 142 162 92 236	51 87 51 64 81 78 84 47	73 -10 74 85 -19 153 21 103	5.8 5.4 5.1 4.8 5.6 4.9 5.0 5.8	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23 3.49e+23 5.4e+24
2008/ 5/13 2008/ 5/14 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/17 2008/ 5/19	30.90 31.28 31.30 31.37 31.25 31.09 31.30 32.21 32.56	103.42 103.59 104.08 104.33 103.33 103.61 103.55 105.08 105.38	14.3 12.0 20.7 19.8 24.0 23.8 17.9 16.1 16.2	213 215 29 225 235 258 360 38 316	42 80 42 26 71 64 69 45	109 -177 108 101 -170 13 174 77 28	7 124 185 32 142 162 92 236 211	51 87 51 64 81 78 84 47 66	73 -10 74 85 -19 153 21 103 147	5.8 5.4 5.1 4.8 5.6 4.9 5.0 5.8 5.2	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23 3.49e+23 5.4e+24 8.43e+23
2008/ 5/13 2008/ 5/14 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/17 2008/ 5/17 2008/ 5/19	30.90 31.28 31.30 31.37 31.25 31.09 31.30 32.21 32.56 32.24	103.42 103.59 104.08 104.33 103.33 103.61 103.55 105.08 105.38 105.16	14.3 12.0 20.7 19.8 24.0 23.8 17.9 16.1 16.2 17.1	213 215 29 225 235 258 360 38 316 249	42 80 42 26 71 64 69 45 60 48	109 -177 108 101 -170 13 174 77 28 126	7 124 185 32 142 162 92 236 211 22	51 87 51 64 81 78 84 47 66 53	73 -10 74 85 -19 153 21 103 147 57	5.8 5.4 5.1 4.8 5.6 4.9 5.0 5.8 5.2 4.9	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23 3.49e+23 5.4e+24 8.43e+23 2.63e+23
2008/ 5/13 2008/ 5/14 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/17 2008/ 5/19 2008/ 5/19 2008/ 5/22	30.90 31.28 31.30 31.37 31.25 31.09 31.30 32.21 32.56 32.24 31.13	103.42 103.59 104.08 104.33 103.61 103.55 105.08 105.38 105.16 103.67	14.3 12.0 20.7 19.8 24.0 23.8 17.9 16.1 16.2 17.1 26.4	213 215 29 225 235 258 360 38 316 249 86	42 80 42 26 71 64 69 45 60 48 32	109 -177 108 101 -170 13 174 77 28 126 -65	7 124 185 32 142 162 92 236 211 22 237	51 87 51 64 81 78 84 47 66 53 61	73 -10 74 85 -19 153 21 103 147 57 -105	5.8 5.4 5.1 4.8 5.6 4.9 5.0 5.8 5.2 4.9 4.9	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23 3.49e+23 5.4e+24 8.43e+23 2.63e+23 2.48e+23
2008/ 5/13 2008/ 5/14 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/17 2008/ 5/19 2008/ 5/19 2008/ 5/22 2008/ 5/25	30.90 31.28 31.30 31.37 31.25 31.09 31.30 32.21 32.56 32.24 31.13 32.57	103.42 103.59 104.08 104.33 103.61 103.55 105.08 105.38 105.16 103.67 105.45	14.3 12.0 20.7 19.8 24.0 23.8 17.9 16.1 16.2 17.1 26.4 27.0	213 215 29 225 235 258 360 38 316 249 86 59	42 80 42 26 71 64 69 45 60 48 32 84	109 -177 108 101 -170 13 174 77 28 126 -65 178	7 124 185 32 142 162 92 236 211 22 237 149	51 87 51 64 81 78 84 47 66 53 61 88	73 -10 74 85 -19 153 21 103 147 57 -105 6	5.8 5.4 5.1 4.8 5.6 4.9 5.0 5.8 5.2 4.9 4.9 6.1	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23 3.49e+23 5.4e+24 8.43e+23 2.63e+23 2.48e+23 1.59e+25
2008/ 5/13 2008/ 5/14 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/17 2008/ 5/19 2008/ 5/19 2008/ 5/22 2008/ 5/25 2008/ 5/27	30.90 31.28 31.30 31.37 31.25 31.09 31.30 32.21 32.56 32.24 31.13 32.57 32.71	103.42 103.59 104.08 104.33 103.33 103.61 103.55 105.08 105.38 105.16 103.67 105.45 105.65	14.3 12.0 20.7 19.8 24.0 23.8 17.9 16.1 16.2 17.1 26.4 27.0 25.5	213 215 29 225 235 258 360 38 316 249 86 59 335	42 80 42 26 71 64 69 45 60 48 32 84 73	109 -177 108 101 -170 13 174 77 28 126 -65 178	7 124 185 32 142 162 92 236 211 22 237 149 245	51 87 51 64 81 78 84 47 66 53 61 88 88	73 -10 74 85 -19 153 21 103 147 57 -105 6 163	5.8 5.4 5.1 4.8 5.6 4.9 5.0 5.8 5.2 4.9 4.9 6.1 5.2	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23 3.49e+23 5.4e+24 8.43e+23 2.63e+23 2.48e+23 1.59e+25 6.82e+23
2008/ 5/13 2008/ 5/14 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/17 2008/ 5/19 2008/ 5/19 2008/ 5/22 2008/ 5/25	30.90 31.28 31.30 31.37 31.25 31.09 31.30 32.21 32.56 32.24 31.13 32.57	103.42 103.59 104.08 104.33 103.61 103.55 105.08 105.38 105.16 103.67 105.45	14.3 12.0 20.7 19.8 24.0 23.8 17.9 16.1 16.2 17.1 26.4 27.0	213 215 29 225 235 258 360 38 316 249 86 59	42 80 42 26 71 64 69 45 60 48 32 84	109 -177 108 101 -170 13 174 77 28 126 -65 178	7 124 185 32 142 162 92 236 211 22 237 149	51 87 51 64 81 78 84 47 66 53 61 88	73 -10 74 85 -19 153 21 103 147 57 -105 6	5.8 5.4 5.1 4.8 5.6 4.9 5.0 5.8 5.2 4.9 4.9 6.1	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23 3.49e+23 5.4e+24 8.43e+23 2.63e+23 2.48e+23 1.59e+25
2008/ 5/13 2008/ 5/14 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/17 2008/ 5/19 2008/ 5/19 2008/ 5/22 2008/ 5/25 2008/ 5/27	30.90 31.28 31.30 31.37 31.25 31.09 31.30 32.21 32.56 32.24 31.13 32.57 32.71	103.42 103.59 104.08 104.33 103.33 103.61 103.55 105.08 105.38 105.16 103.67 105.45 105.65	14.3 12.0 20.7 19.8 24.0 23.8 17.9 16.1 16.2 17.1 26.4 27.0 25.5	213 215 29 225 235 258 360 38 316 249 86 59 335	42 80 42 26 71 64 69 45 60 48 32 84 73	109 -177 108 101 -170 13 174 77 28 126 -65 178	7 124 185 32 142 162 92 236 211 22 237 149 245	51 87 51 64 81 78 84 47 66 53 61 88 88	73 -10 74 85 -19 153 21 103 147 57 -105 6 163	5.8 5.4 5.1 4.8 5.6 4.9 5.0 5.8 5.2 4.9 4.9 6.1 5.2	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23 3.49e+23 5.4e+24 8.43e+23 2.63e+23 2.48e+23 1.59e+25 6.82e+23
2008/ 5/13 2008/ 5/14 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/17 2008/ 5/19 2008/ 5/19 2008/ 5/22 2008/ 5/25 2008/ 5/27	30.90 31.28 31.30 31.37 31.25 31.09 31.30 32.21 32.56 32.24 31.13 32.57 32.71 32.74 31.85	103.42 103.59 104.08 104.33 103.33 103.61 103.55 105.08 105.38 105.16 103.67 105.45 105.65 105.65 104.33	14.3 12.0 20.7 19.8 24.0 23.8 17.9 16.1 16.2 17.1 26.4 27.0 25.5 24.1	213 215 29 225 235 258 360 38 316 249 86 59 335 89	42 80 42 26 71 64 69 45 60 48 32 84 73 73	109 -177 108 101 -170 13 174 77 28 126 -65 178 2 -164	7 124 185 32 142 162 92 236 211 22 237 149 245 354	51 87 51 64 81 78 84 47 66 53 61 88 88 75	73 -10 74 85 -19 153 21 103 147 57 -105 6 163 -17	5.8 5.4 5.1 4.8 5.6 4.9 5.0 5.8 5.2 4.9 4.9 6.1 5.2 5.5 4.8	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23 3.49e+23 5.4e+24 8.43e+23 2.63e+23 2.48e+23 1.59e+25 6.82e+23 2.06e+24
2008/ 5/13 2008/ 5/14 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/19 2008/ 5/19 2008/ 5/19 2008/ 5/22 2008/ 5/25 2008/ 5/27 2008/ 5/27 2008/ 6/ 8 2008/ 7/23	30.90 31.28 31.30 31.37 31.25 31.09 31.30 32.21 32.56 32.24 31.13 32.57 32.71 32.74 31.85 32.71	103.42 103.59 104.08 104.33 103.33 103.61 103.55 105.08 105.38 105.16 103.67 105.45 105.65 105.66 104.33 105.61	14.3 12.0 20.7 19.8 24.0 23.8 17.9 16.1 16.2 17.1 26.4 27.0 25.5 24.1 22.5 12.0	213 215 29 225 235 258 360 38 316 249 86 59 335 89 93 10	42 80 42 26 71 64 69 45 60 48 32 84 73 73 64 44	109 -177 108 101 -170 13 174 77 28 126 -65 178 2 -164 28 115	7 124 185 32 142 162 92 236 211 22 237 149 245 354 349 157	51 87 51 64 81 78 84 47 66 53 61 88 88 75 65 51	73 -10 74 85 -19 153 21 103 147 57 -105 6 163 -17 151 68	5.8 5.4 5.1 4.8 5.6 4.9 5.0 5.8 5.2 4.9 4.9 6.1 5.2 5.5 4.8	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23 3.49e+23 5.4e+24 8.43e+23 2.63e+23 2.48e+23 1.59e+25 6.82e+23 2.06e+24 2.06e+23 1.97e+24
2008/ 5/13 2008/ 5/14 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/19 2008/ 5/19 2008/ 5/19 2008/ 5/22 2008/ 5/25 2008/ 5/27 2008/ 5/27 2008/ 6/ 8 2008/ 7/23 2008/ 7/24	30.90 31.28 31.30 31.37 31.25 31.09 31.30 32.21 32.56 32.24 31.13 32.57 32.71 32.74 31.85 32.71 32.82	103.42 103.59 104.08 104.33 103.33 103.61 103.55 105.08 105.38 105.16 103.67 105.45 105.65 105.65 105.65 105.66 104.33 105.61 105.55	14.3 12.0 20.7 19.8 24.0 23.8 17.9 16.1 16.2 17.1 26.4 27.0 25.5 24.1 22.5 12.0 13.4	213 215 29 225 235 258 360 38 316 249 86 59 335 89 93 10 110	42 80 42 26 71 64 69 45 60 48 32 84 73 73 64 44 75	109 -177 108 101 -170 13 174 77 28 126 -65 178 2 -164 28 115 12	7 124 185 32 142 162 92 236 211 22 237 149 245 354 349 157	51 87 51 64 81 78 84 47 66 53 61 88 88 75 65 51 79	73 -10 74 85 -19 153 21 103 147 57 -105 6 163 -17 151 68 165	5.8 5.4 5.1 4.8 5.6 4.9 5.0 5.8 5.2 4.9 4.9 6.1 5.2 5.5 4.8 5.5	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23 3.49e+23 5.4e+24 8.43e+23 2.63e+23 2.48e+23 1.59e+25 6.82e+23 2.06e+24 2.06e+24 2.81e+24
2008/ 5/13 2008/ 5/14 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/17 2008/ 5/19 2008/ 5/19 2008/ 5/22 2008/ 5/25 2008/ 5/27 2008/ 5/27 2008/ 6/ 8 2008/ 7/23 2008/ 8/ 1	30.90 31.28 31.30 31.37 31.25 31.09 31.30 32.21 32.56 32.24 31.13 32.57 32.71 32.74 31.85 32.71 32.82 32.04	103.42 103.59 104.08 104.33 103.33 103.61 103.55 105.08 105.38 105.16 103.67 105.45 105.65 105.65 104.33 105.61 105.55 104.72	14.3 12.0 20.7 19.8 24.0 23.8 17.9 16.1 16.2 17.1 26.4 27.0 25.5 24.1 22.5 12.0 13.4 21.0	213 215 29 225 235 258 360 38 316 249 86 59 335 89 93 10 110 354	42 80 42 26 71 64 69 45 60 48 32 84 73 73 64 44 75 29	109 -177 108 101 -170 13 174 77 28 126 -65 178 2 -164 28 115 12 54	7 124 185 32 142 162 92 236 211 22 237 149 245 354 349 157 17 213	51 87 51 64 81 78 84 47 66 53 61 88 88 75 65 51 79 67	73 -10 74 85 -19 153 21 103 147 57 -105 6 163 -17 151 68 165 108	5.8 5.4 5.1 4.8 5.6 4.9 5.0 5.8 5.2 4.9 4.9 6.1 5.2 5.5 4.8 5.5 5.6 5.7	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23 3.49e+23 5.4e+24 8.43e+23 2.63e+23 2.48e+23 1.59e+25 6.82e+23 2.06e+24 2.06e+24 2.81e+24 4.12e+24
2008/ 5/13 2008/ 5/14 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/17 2008/ 5/19 2008/ 5/19 2008/ 5/22 2008/ 5/25 2008/ 5/27 2008/ 5/27 2008/ 6/ 8 2008/ 7/23 2008/ 8/ 1 2008/ 8/ 1	30.90 31.28 31.30 31.37 31.25 31.09 31.30 32.21 32.56 32.24 31.13 32.57 32.71 32.74 31.85 32.71 32.82 32.04 32.44	103.42 103.59 104.08 104.33 103.33 103.61 103.55 105.08 105.38 105.16 103.67 105.45 105.65 105.66 104.33 105.61 105.55 104.72 105.12	14.3 12.0 20.7 19.8 24.0 23.8 17.9 16.1 16.2 17.1 26.4 27.0 25.5 24.1 22.5 12.0 13.4 21.0 27.3	213 215 29 225 235 258 360 38 316 249 86 59 335 89 93 10 110 354 342	42 80 42 26 71 64 69 45 60 48 32 84 73 73 64 44 75 29 72	109 -177 108 101 -170 13 174 77 28 126 -65 178 2 -164 28 115 12 54 -6	7 124 185 32 142 162 92 236 211 22 237 149 245 354 349 157 17 213 73	51 87 51 64 81 78 84 47 66 53 61 88 88 75 65 51 79 67 84	73 -10 74 85 -19 153 21 103 147 57 -105 6 163 -17 151 68 165 108 -162	5.8 5.4 5.1 4.8 5.6 4.9 5.0 5.8 5.2 4.9 4.9 6.1 5.2 5.5 4.8 5.5 5.6 5.7 4.9	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23 3.49e+23 5.4e+24 8.43e+23 2.63e+23 2.48e+23 1.59e+25 6.82e+23 2.06e+24 2.06e+24 2.192e+24 4.12e+24 2.92e+23
2008/ 5/13 2008/ 5/14 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/19 2008/ 5/19 2008/ 5/19 2008/ 5/25 2008/ 5/25 2008/ 5/27 2008/ 5/27 2008/ 6/ 8 2008/ 7/24 2008/ 8/ 1 2008/ 8/ 5	30.90 31.28 31.30 31.37 31.25 31.09 31.30 32.21 32.56 32.24 31.13 32.57 32.71 32.74 31.85 32.71 32.82 32.04 32.69	103.42 103.59 104.08 104.33 103.33 103.61 103.55 105.08 105.38 105.16 103.67 105.45 105.65 105.65 105.65 104.33 105.55 104.72 105.12 105.57	14.3 12.0 20.7 19.8 24.0 23.8 17.9 16.1 16.2 17.1 26.4 27.0 25.5 24.1 22.5 12.0 13.4 21.0 27.3 12.0	213 215 29 225 235 258 360 38 316 249 86 59 335 89 93 10 110 354 342 348	42 80 42 26 71 64 69 45 60 48 32 84 73 73 64 44 75 29 72 44	109 -177 108 101 -170 13 174 77 28 126 -65 178 2 -164 28 115 12 54 -6 103	7 124 185 32 142 162 92 236 211 22 237 149 245 354 349 157 17 213 73 151	51 87 51 64 81 78 84 47 66 53 61 88 88 75 65 51 79 67 84 47	73 -10 74 85 -19 153 21 103 147 57 -105 6 163 -17 151 68 165 108 -162 78	5.8 5.4 5.1 4.8 5.6 4.9 5.0 5.8 5.2 4.9 4.9 6.1 5.2 5.5 4.8 5.5 5.6 5.7 4.9 6.0	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23 3.49e+23 5.4e+24 8.43e+23 2.63e+23 2.48e+23 1.59e+25 6.82e+23 2.06e+24 2.06e+24 2.26e+24 2.192e+24 4.12e+24 2.92e+23 1.11e+25
2008/ 5/13 2008/ 5/14 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/17 2008/ 5/19 2008/ 5/19 2008/ 5/22 2008/ 5/25 2008/ 5/27 2008/ 5/27 2008/ 6/ 8 2008/ 7/23 2008/ 8/ 1 2008/ 8/ 1 2008/ 8/ 5	30.90 31.28 31.30 31.37 31.25 31.09 31.30 32.21 32.56 32.24 31.13 32.57 32.71 32.74 31.85 32.71 32.82 32.04 32.69 32.02	103.42 103.59 104.08 104.33 103.33 103.61 103.55 105.08 105.38 105.16 103.67 105.45 105.65 105.65 104.33 105.61 105.55 104.72 105.57 104.75	14.3 12.0 20.7 19.8 24.0 23.8 17.9 16.1 16.2 17.1 26.4 27.0 25.5 24.1 22.5 12.0 13.4 21.0 27.3 12.0 20.8	213 215 29 225 235 258 360 38 316 249 86 59 335 89 93 10 110 354 342 348 52	42 80 42 26 71 64 69 45 60 48 32 84 73 73 64 44 75 29 72 44 43	109 -177 108 101 -170 13 174 77 28 126 -65 178 2 -164 28 115 12 54 -6 103 90	7 124 185 32 142 162 92 236 211 22 237 149 245 354 349 157 17 213 73 151 232	51 87 51 64 81 78 84 47 66 53 61 88 88 75 65 51 79 67 84 47 47	73 -10 74 85 -19 153 21 103 147 57 -105 6 163 -17 151 68 165 108 -162 78 90	5.8 5.4 5.1 4.8 5.6 4.9 5.0 5.8 5.2 4.9 4.9 6.1 5.2 5.5 4.8 5.5 5.6 5.7 4.9 6.0 4.9	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23 3.49e+23 5.4e+24 8.43e+23 2.63e+23 2.48e+23 1.59e+25 6.82e+23 2.06e+24 2.06e+24 2.81e+24 4.12e+24 2.92e+23 1.11e+25 3.22e+23
2008/ 5/13 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/19 2008/ 5/19 2008/ 5/22 2008/ 5/25 2008/ 5/27 2008/ 5/27	30.90 31.28 31.30 31.37 31.25 31.09 31.30 32.21 32.56 32.24 31.13 32.57 32.71 32.74 31.85 32.71 32.82 32.04 32.69 32.02 32.98	103.42 103.59 104.08 104.33 103.33 103.61 103.55 105.08 105.38 105.16 103.67 105.45 105.65 105.65 104.33 105.61 105.55 104.72 105.12 105.57 104.75 105.65	14.3 12.0 20.7 19.8 24.0 23.8 17.9 16.1 16.2 17.1 26.4 27.0 25.5 24.1 22.5 12.0 13.4 21.0 27.3 12.0 20.8 12.0	213 215 29 225 235 258 360 38 316 249 86 59 335 89 93 10 110 354 342 348 52 339	42 80 42 26 71 64 69 45 60 48 32 84 73 73 64 44 75 29 72 44 43 41	109 -177 108 101 -170 13 174 77 28 126 -65 178 2 -164 28 115 12 54 -6 103 90 93	7 124 185 32 142 162 92 236 211 22 237 149 245 354 349 157 17 213 73 151 232 155	51 87 51 64 81 78 84 47 66 53 61 88 88 75 65 51 79 67 84 47 49	73 -10 74 85 -19 153 21 103 147 57 -105 6 163 -17 151 68 165 108 -162 78 90 88	5.8 5.4 5.1 4.8 5.6 4.9 5.0 5.8 5.2 4.9 4.9 6.1 5.2 5.5 4.8 5.5 5.6 5.7 4.9 6.0 4.9 5.0	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23 3.49e+23 5.4e+24 8.43e+23 2.63e+23 2.48e+23 1.59e+25 6.82e+23 2.06e+24 2.06e+24 2.26e+24 2.1e+24 4.12e+24 2.92e+23 1.11e+25 3.22e+23 6.28e+23
2008/ 5/13 2008/ 5/14 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/17 2008/ 5/19 2008/ 5/19 2008/ 5/22 2008/ 5/25 2008/ 5/27 2008/ 5/27 2008/ 6/ 8 2008/ 7/23 2008/ 8/ 1 2008/ 8/ 1 2008/ 8/ 5	30.90 31.28 31.30 31.37 31.25 31.09 31.30 32.21 32.56 32.24 31.13 32.57 32.71 32.74 31.85 32.71 32.82 32.04 32.69 32.02	103.42 103.59 104.08 104.33 103.33 103.61 103.55 105.08 105.38 105.16 103.67 105.45 105.65 105.65 104.33 105.61 105.55 104.72 105.57 104.75	14.3 12.0 20.7 19.8 24.0 23.8 17.9 16.1 16.2 17.1 26.4 27.0 25.5 24.1 22.5 12.0 13.4 21.0 27.3 12.0 20.8	213 215 29 225 235 258 360 38 316 249 86 59 335 89 93 10 110 354 342 348 52	42 80 42 26 71 64 69 45 60 48 32 84 73 73 64 44 75 29 72 44 43	109 -177 108 101 -170 13 174 77 28 126 -65 178 2 -164 28 115 12 54 -6 103 90	7 124 185 32 142 162 92 236 211 22 237 149 245 354 349 157 17 213 73 151 232	51 87 51 64 81 78 84 47 66 53 61 88 88 75 65 51 79 67 84 47 47	73 -10 74 85 -19 153 21 103 147 57 -105 6 163 -17 151 68 165 108 -162 78 90	5.8 5.4 5.1 4.8 5.6 4.9 5.0 5.8 5.2 4.9 4.9 6.1 5.2 5.5 4.8 5.5 5.6 5.7 4.9 6.0 4.9	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23 3.49e+23 5.4e+24 8.43e+23 2.63e+23 2.48e+23 1.59e+25 6.82e+23 2.06e+24 2.06e+24 2.81e+24 4.12e+24 2.92e+23 1.11e+25 3.22e+23
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2008/ 5/13 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/19 2008/ 5/19 2008/ 5/22 2008/ 5/25 2008/ 5/27 2008/ 5/27 2008/ 5/27 2008/ 6/8 2008/ 7/23 2008/ 7/24 2008/ 8/ 1 2008/ 8/ 1 2008/ 8/ 1 2008/ 8/ 7 2008/ 8/ 7 2008/ 8/ 7 2008/ 8/ 7 2008/ 8/ 7 2008/ 8/ 1 2008/ 8/ 7 2008/ 8/ 7 2008/ 8/ 7 2008/ 9/11 2008/11/15 2009/ 6/29 2009/ 6/30 2009/ 9/19 2009/ 11/27 2010/ 5/25 2011/10/31 2013/ 4/20	30.90 31.28 31.30 31.37 31.25 31.09 31.30 32.21 32.56 32.24 31.13 32.57 32.71 32.74 31.85 32.71 32.82 32.04 32.69 32.02 32.98 32.14 32.66 31.30 31.31 31.37 32.87 31.31 31.31 31.31 31.31 31.31 31.31 31.31 31.31 31.31 31.31 31.31 31.31 31.31 31.31 31.31 31.31 31.31	103.42 103.59 104.08 104.33 103.33 103.61 103.55 105.08 105.38 105.16 103.67 105.45 105.65 105.65 104.72 105.55 104.72 105.57 104.75 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65	14.3 12.0 20.7 19.8 24.0 23.8 17.9 16.1 16.2 17.1 26.4 27.0 25.5 24.1 22.5 12.0 13.4 21.0 27.3 12.0 20.8 12.0 29.2 15.7 20.0 12.0 20.4 12.0 29.0 24.7 21.9	213 215 29 225 235 258 360 38 316 249 86 59 335 89 93 10 110 354 342 348 52 339 77 24 98 212 206 350 43 14 232 212	42 80 42 26 71 64 69 45 60 48 32 84 73 73 64 44 75 29 72 44 43 41 83 38 42 29 41 40 44 44 44 44 44 44 44 44	109 -177 108 101 -170 13 174 77 28 126 -65 178 2 -164 28 115 12 54 -6 103 90 93 3 34 -67 54 83 82 80 59 70 100	7 124 185 32 142 162 92 236 211 22 237 149 245 354 349 157 17 213 73 151 232 155 346 266 248 71 34 180 236 233 79 19	51 87 51 64 81 78 84 47 66 53 61 88 88 75 65 51 79 67 84 47 47 49 87 70 52 67 49 50 49	73 -10 74 85 -19 153 21 103 147 57 -105 6 163 -17 151 68 165 108 -162 78 90 88 172 123 -110 108 96 96 96 99 116 108 81	5.8 5.4 5.1 4.8 5.6 4.9 5.0 5.8 5.2 4.9 4.9 6.1 5.2 5.5 4.8 5.5 5.6 5.7 4.9 6.0 4.9 5.1 5.0 5.1 4.8 5.3 4.9 4.9 4.9 4.9 5.0 5.0 5.1 6.6	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23 3.49e+23 5.4e+24 8.43e+23 2.63e+23 2.48e+23 1.59e+25 6.82e+23 2.06e+24 2.06e+24 2.20e+24 2.81e+24 4.12e+24 2.92e+23 1.11e+25 3.22e+23 6.28e+23 3.48e+23 5.83e+23 2.1e+23 9.79e+23 3.1e+23 3.2e+23 3.2e+23 3.2e+23 3.1e+23 3.2e+23 3.1e+23 3.2e+23 3.1e+23 3.2e+23 3.2e+23 3.1e+23
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2008/ 5/13 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/19 2008/ 5/19 2008/ 5/22 2008/ 5/25 2008/ 5/27 2008/ 5/27 2008/ 5/27 2008/ 5/27 2008/ 6/8 2008/ 7/23 2008/ 7/24 2008/ 8/ 1 2008/ 8/ 1 2008/ 8/ 7 2008/ 8/ 7 2008/ 8/ 7 2008/ 8/ 7 2008/ 8/ 7 2008/ 9/11 2008/ 11/15 2008/ 12/ 9 2009/ 6/29 2009/ 6/30 2009/ 9/19 2009/ 1/14 2009/ 5/25 2011/10/31 2013/ 4/20 2013/ 4/20 2013/ 4/20	30.90 31.28 31.30 31.37 31.25 31.09 31.30 32.21 32.56 32.24 31.13 32.57 32.71 32.74 31.85 32.71 32.82 32.04 32.82 32.04 32.69 32.02 32.98 32.14 32.66 31.20 31.31 31.37 32.87 31.31 31.31 31.37 32.87 31.31	103.42 103.59 104.08 104.33 103.33 103.61 103.55 105.08 105.38 105.16 103.67 105.45 105.65 105.65 104.33 105.61 105.55 104.72 105.57 104.75 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.75 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.75 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.75 105.65 104.74 105.65 104.74 105.65 104.75 105.65 104.74 105.65 104.74 105.65 104.75 105.65 104.74 105.65 104.74 105.65 104.75 105.65 104.74 105.65 104.75 105.65 104.74 105.65 104.75 105.65 104.74 105.65 104.75 105.65 104.75 105.65 104.76 105.65 103.90 103.62 103.06 103.06 103.06 103.06 103.31	14.3 12.0 20.7 19.8 24.0 23.8 17.9 16.1 16.2 17.1 26.4 27.0 25.5 24.1 22.5 12.0 13.4 21.0 27.3 12.0 20.8 12.0 29.2 15.7 20.0 12.0 20.4 12.0 29.2 15.7 20.0 12.0 29.2 15.7 20.0 12.0 29.3	213 215 29 225 235 258 360 38 316 249 86 59 335 89 93 10 110 354 342 348 52 339 77 24 98 212 206 350 43 14 232 212 215 177	42 80 42 26 71 64 69 45 60 48 32 84 73 73 64 44 75 29 72 44 43 41 83 38 42 29 41 40 44 44 44 44 44 44 44 44 44	109 -177 108 101 -170 13 174 -77 28 126 -65 178 2 -164 28 115 12 54 -6 103 90 93 3 34 -67 54 83 82 80 59 70 100 100 74	7 124 185 32 142 162 92 236 211 22 237 149 245 354 349 157 17 213 73 151 232 155 346 266 248 71 34 180 236 233 79 19 21 17	51 87 51 64 81 78 84 47 66 53 61 88 88 75 65 51 79 67 84 47 49 87 70 52 67 49 50 49 46 50	73 -10 74 85 -19 153 21 103 147 57 -105 6 163 -17 151 68 165 108 -162 78 90 88 172 123 -110 108 96 99 116 108 81 80 103	5.8 5.4 5.1 4.8 5.6 4.9 5.0 5.8 5.2 4.9 4.9 6.1 5.2 5.5 4.8 5.5 5.6 5.7 4.9 6.0 4.9 5.1 5.0 5.1 4.8 5.3 4.9 4.9 4.9 5.0 5.0 6.6 5.4 4.8	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23 3.49e+23 5.4e+24 8.43e+23 2.63e+23 2.48e+23 1.59e+25 6.82e+23 2.06e+24 2.06e+24 2.20e+24 2.81e+24 4.12e+24 2.92e+23 1.11e+25 3.22e+23 6.28e+23 3.48e+23 5.83e+23 2.1e+23 9.79e+23 3.1e+23 3.2e+23 3.2e+23 3.2e+23 3.1e+23 4.19e+23 1.02e+26 1.6e+24 2.15e+23
2008/ 5/13 2008/ 5/14 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/16 2008/ 5/19 2008/ 5/19 2008/ 5/22 2008/ 5/25 2008/ 5/27 2008/ 5/27 2008/ 5/27 2008/ 5/27 2008/ 6/ 8 2008/ 7/23 2008/ 7/24 2008/ 8/ 1 2008/ 8/ 1 2008/ 8/ 1 2008/ 8/ 5 2008/ 8/ 1 2008/ 8/ 1 2008/ 8/ 1 2008/ 8/ 5 2008/ 9/11 2008/ 1/15 2008/ 1/15 2009/ 6/29 2009/ 6/30 2009/ 6/30 2009/ 9/19 2009/ 1/14 2009/ 5/25 2011/10/31 2013/ 4/20 2013/ 4/20 2013/ 4/20	30.90 31.28 31.30 31.37 31.25 31.09 31.30 32.21 32.56 32.24 31.13 32.57 32.71 32.74 31.85 32.71 32.82 32.04 32.82 32.04 32.44 32.69 32.02 32.98 32.14 32.66 31.30 31.31 31.37 32.87 31.31 31.37 32.87 32.98 32.98 32.14 32.66 31.30 31.31 31.37 32.82 32.98 33.98 33.98 33.98 33.98 33.98 33.98 33.98 33.98 33.98 34.98 35.98 36.98 37	103.42 103.59 104.08 104.33 103.33 103.61 103.55 105.08 105.38 105.16 103.67 105.45 105.65 105.65 105.61 105.55 104.72 105.57 104.72 105.57 104.75 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 104.74 105.65 103.39 104.15 104.20 105.61 103.62 103.62 103.62 103.62 103.62 103.63 103.29	14.3 12.0 20.7 19.8 24.0 23.8 17.9 16.1 16.2 17.1 26.4 27.0 25.5 24.1 22.5 12.0 13.4 21.0 27.3 12.0 20.8 12.0 29.2 15.7 20.0 12.0 20.4 12.0 29.2 15.7 20.0 12.0 29.2 15.7 20.0 12.0 20.4 12.0 29.2 24.7 21.9 23.4 30.3 22.7	213 215 29 225 235 258 360 38 316 249 86 59 335 89 93 10 110 354 342 348 52 339 77 24 98 212 206 350 43 14 232 212 215 177 234	42 80 42 26 71 64 69 45 60 48 32 84 73 73 64 44 75 29 72 44 43 41 83 38 42 29 41 40 44 44 44 44 44 44 44 44 44	109 -177 108 101 -170 13 174 77 28 126 -65 178 2 -164 28 115 12 54 -6 103 90 93 3 34 -67 54 83 82 80 59 70 100 100 74 119	7 124 185 32 142 162 92 236 211 22 237 149 245 354 349 157 17 213 73 151 232 155 346 266 248 71 34 180 236 233 79 19 21 17	51 87 51 64 81 78 84 47 66 53 61 88 88 88 75 65 51 79 67 84 47 47 49 87 70 52 67 49 50 49 46 50 49	73 -10 74 85 -19 153 21 103 147 57 -105 6 163 -17 151 68 165 108 -162 78 90 88 172 123 -110 108 96 96 99 116 108 81 80 103 62	5.8 5.4 5.1 4.8 5.6 4.9 5.0 5.8 5.2 4.9 4.9 6.1 5.2 5.5 4.8 5.5 5.6 5.7 4.9 6.0 4.9 5.1 5.0 5.1 4.8 5.3 4.9 4.9 4.9 4.9 5.0 5.0 5.4 4.8 5.0	5.61e+24 1.84e+24 4.87e+23 1.97e+23 3.38e+24 2.47e+23 3.49e+23 5.4e+24 8.43e+23 2.63e+23 2.48e+23 1.59e+25 6.82e+23 2.06e+24 2.06e+24 2.06e+24 2.92e+23 1.11e+25 3.22e+23 6.28e+23 3.48e+23 5.83e+23 2.1e+23 3.2e+23 3.2e+23 3.2e+23 3.2e+23 3.2e+23 4.19e+23 1.02e+26 1.6e+24 2.15e+23 4.49e+23
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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
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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
	30.87				53			57			
2021/ 7/14		103.54	16.3	178		43	59		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
			-		Vunnan D	lock (Northe					
						lock (Northe	· •	<u> </u>		ı	
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
1090/5/2				-	11	1					
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		15.0	59	38	-127	283	60	-64	5.6	
		99.54									3.27e+24
1996/12/21	30.67	99.90	15.0	28	71	-167	294	78	-19	5.4	1.57e+24
				73							
1997/ 8/ 9	30.16	97.46	33.0		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 B	lock (Southe	rn 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
				321					-83		
1996/ 9/24	27.18	100.70	15.0		41	-98	151	50		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	24.09	101.23				1	305	89	159	5.5	2.58e+24
				35	hu.	1 1	. 505	. (3.7	1.77		2.20C 124
	26.36	101.01	15.0	35	69	-					
2003/ 7/21				35 200	80	-6	291	84	-170	5.9	8.58e+24
2003/ 7/21	26.36 25.98	101.01 101.32	15.0 15.0	200	80		291	84	-170	5.9	8.58e+24
2003/ 7/21 2003/10/16	26.36 25.98 25.89	101.01 101.32 101.52	15.0 15.0 33.0	200 18	80 88	-1	291 108	84 89	-170 -178	5.9 5.6	8.58e+24 2.88e+24
2003/ 7/21	26.36 25.98	101.01 101.32	15.0 15.0	200	80		291	84	-170	5.9	8.58e+24
2003/ 7/21 2003/10/16 2003/11/14	26.36 25.98 25.89 27.68	101.01 101.32 101.52 103.21	15.0 15.0 33.0 15.0	200 18 250	80 88 36	-1 -170	291 108 152	84 89 84	-170 -178 -55	5.9 5.6 5.6	8.58e+24 2.88e+24 2.76e+24
2003/ 7/21 2003/10/16 2003/11/14 2005/ 8/ 5	26.36 25.98 25.89 27.68 26.46	101.01 101.32 101.52 103.21 103.19	15.0 15.0 33.0 15.0 27.0	200 18 250 252	80 88 36 73	-1 -170 -178	291 108 152 161	84 89 84 88	-170 -178 -55 -17	5.9 5.6 5.6 5.2	8.58e+24 2.88e+24 2.76e+24 8.82e+23
2003/ 7/21 2003/10/16 2003/11/14	26.36 25.98 25.89 27.68	101.01 101.32 101.52 103.21	15.0 15.0 33.0 15.0	200 18 250	80 88 36	-1 -170	291 108 152	84 89 84	-170 -178 -55	5.9 5.6 5.6	8.58e+24 2.88e+24 2.76e+24
2003/ 7/21 2003/10/16 2003/11/14 2005/ 8/ 5 2008/ 8/30	26.36 25.98 25.89 27.68 26.46 26.19	101.01 101.32 101.52 103.21 103.19 102.04	15.0 15.0 33.0 15.0 27.0 24.1	200 18 250 252 100	80 88 36 73 86	-1 -170 -178 180	291 108 152 161 190	84 89 84 88 90	-170 -178 -55 -17 4	5.9 5.6 5.6 5.2 6.0	8.58e+24 2.88e+24 2.76e+24 8.82e+23 1.09e+25
2003/ 7/21 2003/10/16 2003/11/14 2005/ 8/ 5 2008/ 8/30 2008/ 8/31	26.36 25.98 25.89 27.68 26.46 26.19 26.16	101.01 101.32 101.52 103.21 103.19 102.04 102.01	15.0 15.0 33.0 15.0 27.0 24.1 24.6	200 18 250 252 100 11	80 88 36 73 86 77	-1 -170 -178 180 -7	291 108 152 161 190 102	84 89 84 88 90 84	-170 -178 -55 -17 4 -167	5.9 5.6 5.6 5.2 6.0 5.6	8.58e+24 2.88e+24 2.76e+24 8.82e+23 1.09e+25 2.69e+24
2003/ 7/21 2003/10/16 2003/11/14 2005/ 8/ 5 2008/ 8/30	26.36 25.98 25.89 27.68 26.46 26.19	101.01 101.32 101.52 103.21 103.19 102.04	15.0 15.0 33.0 15.0 27.0 24.1	200 18 250 252 100	80 88 36 73 86	-1 -170 -178 180	291 108 152 161 190	84 89 84 88 90	-170 -178 -55 -17 4	5.9 5.6 5.6 5.2 6.0	8.58e+24 2.88e+24 2.76e+24 8.82e+23 1.09e+25
2003/ 7/21 2003/10/16 2003/11/14 2005/ 8/ 5 2008/ 8/30 2008/ 8/31 2009/ 7/ 9	26.36 25.98 25.89 27.68 26.46 26.19 26.16 25.52	101.01 101.32 101.52 103.21 103.19 102.04 102.01 101.17	15.0 15.0 33.0 15.0 27.0 24.1 24.6 15.1	200 18 250 252 100 11 204	80 88 36 73 86 77 84	-1 -170 -178 180 -7 -3	291 108 152 161 190 102 294	84 89 84 88 90 84 87	-170 -178 -55 -17 4 -167 -174	5.9 5.6 5.6 5.2 6.0 5.6 5.7	8.58e+24 2.88e+24 2.76e+24 8.82e+23 1.09e+25 2.69e+24 5.09e+24
2003/ 7/21 2003/10/16 2003/11/14 2005/ 8/ 5 2008/ 8/30 2008/ 8/31 2009/ 7/ 9 2009/ 7/10	26.36 25.98 25.89 27.68 26.46 26.19 26.16 25.52 25.54	101.01 101.32 101.52 103.21 103.19 102.04 102.01 101.17	15.0 15.0 33.0 15.0 27.0 24.1 24.6 15.1 14.9	200 18 250 252 100 11 204 21	80 88 36 73 86 77 84 83	-1 -170 -178 180 -7 -3 4	291 108 152 161 190 102 294 291	84 89 84 88 90 84 87 86	-170 -178 -55 -17 4 -167 -174 173	5.9 5.6 5.6 5.2 6.0 5.6 5.7 5.2	8.58e+24 2.88e+24 2.76e+24 8.82e+23 1.09e+25 2.69e+24 5.09e+24 6.7e+23
2003/ 7/21 2003/10/16 2003/11/14 2005/ 8/ 5 2008/ 8/30 2008/ 8/31 2009/ 7/ 9	26.36 25.98 25.89 27.68 26.46 26.19 26.16 25.52	101.01 101.32 101.52 103.21 103.19 102.04 102.01 101.17	15.0 15.0 33.0 15.0 27.0 24.1 24.6 15.1	200 18 250 252 100 11 204	80 88 36 73 86 77 84	-1 -170 -178 180 -7 -3	291 108 152 161 190 102 294	84 89 84 88 90 84 87	-170 -178 -55 -17 4 -167 -174	5.9 5.6 5.6 5.2 6.0 5.6 5.7	8.58e+24 2.88e+24 2.76e+24 8.82e+23 1.09e+25 2.69e+24 5.09e+24
2003/ 7/21 2003/10/16 2003/11/14 2005/ 8/ 5 2008/ 8/30 2008/ 8/31 2009/ 7/ 9 2009/ 7/10 2009/ 7/12	26.36 25.98 25.89 27.68 26.46 26.19 26.16 25.52 25.54 25.56	101.01 101.32 101.52 103.21 103.19 102.04 102.01 101.17 101.10 101.19	15.0 15.0 33.0 15.0 27.0 24.1 24.6 15.1 14.9	200 18 250 252 100 11 204 21 231	80 88 36 73 86 77 84 83 43	-1 -170 -178 180 -7 -3 4 17	291 108 152 161 190 102 294 291 129	84 89 84 88 90 84 87 86 79	-170 -178 -55 -17 4 -167 -174 173 132	5.9 5.6 5.6 5.2 6.0 5.6 5.7 5.2 4.9	8.58e+24 2.88e+24 2.76e+24 8.82e+23 1.09e+25 2.69e+24 5.09e+24 6.7e+23 3e+23
2003/ 7/21 2003/10/16 2003/11/14 2005/ 8/ 5 2008/ 8/30 2008/ 8/31 2009/ 7/ 9 2009/ 7/10 2009/ 7/12 2009/11/ 1	26.36 25.98 25.89 27.68 26.46 26.19 26.16 25.52 25.54 25.56 25.89	101.01 101.32 101.52 103.21 103.19 102.04 102.01 101.17 101.10 101.19 100.86	15.0 15.0 33.0 15.0 27.0 24.1 24.6 15.1 14.9 15.0 13.0	200 18 250 252 100 11 204 21 231 286	80 88 36 73 86 77 84 83 43 84	-1 -170 -178 180 -7 -3 4 17 180	291 108 152 161 190 102 294 291 129 16	84 89 84 88 90 84 87 86 79	-170 -178 -55 -17 4 -167 -174 173 132 6	5.9 5.6 5.6 5.2 6.0 5.6 5.7 5.2 4.9 4.9	8.58e+24 2.88e+24 2.76e+24 8.82e+23 1.09e+25 2.69e+24 5.09e+24 6.7e+23 3e+23 2.52e+23
2003/ 7/21 2003/10/16 2003/11/14 2005/ 8/ 5 2008/ 8/30 2008/ 8/31 2009/ 7/ 9 2009/ 7/10 2009/ 7/12	26.36 25.98 25.89 27.68 26.46 26.19 26.16 25.52 25.54 25.56	101.01 101.32 101.52 103.21 103.19 102.04 102.01 101.17 101.10 101.19	15.0 15.0 33.0 15.0 27.0 24.1 24.6 15.1 14.9	200 18 250 252 100 11 204 21 231	80 88 36 73 86 77 84 83 43	-1 -170 -178 180 -7 -3 4 17	291 108 152 161 190 102 294 291 129	84 89 84 88 90 84 87 86 79	-170 -178 -55 -17 4 -167 -174 173 132	5.9 5.6 5.6 5.2 6.0 5.6 5.7 5.2 4.9	8.58e+24 2.88e+24 2.76e+24 8.82e+23 1.09e+25 2.69e+24 5.09e+24 6.7e+23 3e+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 84	9	113	81 88	167	4.9 5.0	2.84e+23 4.09e+23
2018/10/31 2019/ 7/21	27.71 26.11	102.18 100.77	29.1 21.8	183 27	77	-7	92 119	83	174 -167	5.0	3.5e+23
2019/ 7/21	27.21	100.77	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
1076/5/20	24.20	00 (5	150			Northern pa		02	10	67	1.00-1.00
1976/ 5/29 1976/ 5/29	24.39 24.29	98.65 98.58	15.0 15.0	323 242	80 88	-172 0	232 152	82 90	-10 178	6.7 6.6	1.22e+26 1.12e+26
1976/ 5/31	24.29	98.60	15.0	342	72	-169	249	80	-18	6.1	1.12e+26 1.63e+25
1976/ 7/21	24.74	98.57	15.0	338	88	-178	248	88	-2	6.1	1.03e+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 2011/ 6/20	24.64 25.00	97.98 98.80	15.0 15.7	64 271	79 44	5 82	333 103	85 46	169 98	5.5 5.0	1.95e+24 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 1988/11/15	23.38 22.80	99.42 99.23	15.0 15.0	122 333	55 70	180	63	58 90	137	5.2 5.3	8.4e+23 1.02e+24
1988/11/13	22.80	100.17	15.0	71	61	14	334	78	151	5.5	1.02e+24 1.93e+24
1988/11/27	22.70	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 2014/10/ 7	22.93 23.38	101.12 100.54	24.4 12.1	238 329	79 81	10 174	60	80 84	169 9	4.9 6.1	2.65e+23 1.89e+25
2014/10/ / 2014/12/ 5	23.38	100.54	12.1	79	72	9	346	84	162	5.6	1.89e+25 3.31e+24
2014/12/ 6	23.28	100.59	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
2010/ 5/ 1	20.17	,,,,,,,		Plateau (Ea					100		1 2.020.23
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 34	66 78	0	110	90	-156	6.2 5.3	2.84e+25 1e+24
1983/7/15	21.93	103.29	15.0			10	301	80	168		

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				15	60	7	282	84	150	4.7	-
	22.42	102.56	20.6								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
				112		179		89		4.7	
2021/11/16	22.26	101.84	15.9		60		203		30		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
1				She	n Plateau (Southern pa	<u> </u>			I.	
1070/0/2	20.26	100.71	1.7.0			<u> </u>		0.7			0.00 .00
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
		99.71	12.7	160	88	180	250	90	2		
2014/ 5/ 6	19.73									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	1.88e+25
2021/7/7	19.59	101.23	14.9	342	68	-177	251	87	-22	4.9	2.75e+23
2021/12/19	19.48	101.41	12.0	69	73	8	337	83	162	5.5	2.32e+24
2022/ 6/29	21.12	99.95	16.7	326	68	-161	228	73	-23	4.9	2.99e+23
2022/ 7/21	21.12	99.94	14.9	327	71	-164	232	75	-20	4.9	2.66e+23
2022/ 7/21	21.14	99.95	12.0	329	72	179	59	89	18	5.9	9.6e+24
2022/ 7/29	21.09	99.97	12.0	78	37	-35	197	70	-121	4.8	1.73e+23
2022/ 1/29	21.07	77.71	12.0				17/	70	-121	7.0	1.730+23
					Burma (Sa	gaing Fault)					
1979/11/25	25.21	96.32	10.0	357	79	-175	266	85	-11	5.2	9.16e+23
1991/1/5	23.61	96.18	20.9	2	68	166	97	77	23	6.9	3.11e+26
1992/6/15	23.95	96.03	22.9	8	69	-173	275	83	-21	6.3	3.14e+25
1994/4/6	25.62	97.05	15.0	96	57	26	352	68	144	5.8	7.15e+24
2005/12/29	24.74	96.29	18.5	104	72	-1	195	89	-162	5.1	4.89e+23
2007/ 6/29	25.40	96.79	14.1	105	82	-4	196	86	-172	5.2	8.92e+23
2008/12/20	22.65	96.09	14.8	359	79	172	90	82	11	5.3	1.01e+24
2012/7/9	25.29	96.66	12.0	220	82	-173	129	84	-8	5.1	6.33e+23
2012/ 7/22	24.86	96.43	17.9	95	77	-7	187	83	-167	5.1	5.75e+23
2012/ 9/22	25.49	96.89	15.0	218	61	-166	122	78	-30	4.7	1.44e+23
2012/11/11	22.73	96.03	16.8	0	55	178	91	88	35	6.8	2.36e+26
				-							
2012/11/11	22.60	96.05	12.0	91	75	14	358	77	164	5.9	8.32e+24
2012/11/11	23.06	96.07	20.1	358	71	167	93	78	20	5.6	2.95e+24
2012/11/13	22.83	95.98	16.4	0	60	174	93	85	30	4.9	2.75e+23
						1					
2012/11/19	22.94	96.10	19.9	0	72	174	92	84	18	4.8	2.04e+23
2012/12/3	23.09	96.06	20.4	360	67	-174	268	84	-23	4.8	1.97e+23
2012/12/26	22.77		26.8	1	60	171		82	30		
		95.87		1			95			5.0	3.66e+23
2013/3/30	22.94	96.07	12.0	3	75	-180	273	90	-15	5.2	7.7e+23
2013/9/9	22.91	96.05	22.6	3	68	179	93	90	22	4.9	3.28e+23
2013/ 9/20	22.81	96.04	12.0	360	77	175	91	85	13	5.0	3.58e+23
		0.004	12.0	95	74	14	1	77	164	5.7	4.08e+24
2013/ 9/20	22.88	96.04	12.0	 	70	-174	269	85	-20	5.1	4.96e+23
				1		-1/ 4	207		-ZU	J.1	T.70C+23
2014/ 1/26	22.78	96.01	20.1	1		1.75	200	7/	22	4 7	1.06 +00
2014/ 1/26 2019/ 1/16	22.78 24.79	96.01 96.40	20.1 23.4	35	68	-165	299	76	-23	4.7	1.36e+23
2014/ 1/26	22.78	96.01	20.1	1 35 3		-165 173	299 95	76 84	-23 25	4.7 5.3	1.36e+23 9.99e+23
2014/ 1/26 2019/ 1/16 2019/11/28	22.78 24.79 23.10	96.01 96.40 96.06	20.1 23.4 21.0	3	68 65	173	95	84	25	5.3	9.99e+23
2014/ 1/26 2019/ 1/16 2019/11/28 2020/ 3/ 4	22.78 24.79 23.10 24.35	96.01 96.40 96.06 96.16	20.1 23.4 21.0 13.1	3 9	68 65 74	173 169	95 102	84 79	25 17	5.3 4.9	9.99e+23 2.77e+23
2014/ 1/26 2019/ 1/16 2019/11/28	22.78 24.79 23.10	96.01 96.40 96.06	20.1 23.4 21.0	3	68 65	173	95	84	25	5.3	9.99e+23
2014/ 1/26 2019/ 1/16 2019/11/28 2020/ 3/ 4 2020/12/24	22.78 24.79 23.10 24.35 25.53	96.01 96.40 96.06 96.16 96.78	20.1 23.4 21.0 13.1	3 9	68 65 74 58	173 169 178	95 102 115	84 79 88	25 17 32	5.3 4.9 4.8	9.99e+23 2.77e+23 2.27e+23
2014/ 1/26 2019/ 1/16 2019/11/28 2020/ 3/ 4 2020/12/24 2021/ 2/25	22.78 24.79 23.10 24.35 25.53 22.69	96.01 96.40 96.06 96.16 96.78 96.03	20.1 23.4 21.0 13.1 16.4 19.9	3 9 24 1	68 65 74 58 67	173 169 178 -167	95 102 115 266	84 79 88 78	25 17 32 -23	5.3 4.9 4.8 4.9	9.99e+23 2.77e+23 2.27e+23 2.63e+23
2014/ 1/26 2019/ 1/16 2019/11/28 2020/ 3/ 4 2020/12/24 2021/ 2/25 2021/ 8/10	22.78 24.79 23.10 24.35 25.53 22.69 22.43	96.01 96.40 96.06 96.16 96.78 96.03 96.01	20.1 23.4 21.0 13.1 16.4 19.9 26.6	3 9 24 1 4	68 65 74 58 67 46	173 169 178 -167 -173	95 102 115 266 269	84 79 88 78 85	25 17 32 -23 -45	5.3 4.9 4.8 4.9 4.9	9.99e+23 2.77e+23 2.27e+23 2.63e+23 2.58e+23
2014/ 1/26 2019/ 1/16 2019/11/28 2020/ 3/ 4 2020/12/24 2021/ 2/25	22.78 24.79 23.10 24.35 25.53 22.69	96.01 96.40 96.06 96.16 96.78 96.03	20.1 23.4 21.0 13.1 16.4 19.9	3 9 24 1	68 65 74 58 67	173 169 178 -167	95 102 115 266	84 79 88 78	25 17 32 -23	5.3 4.9 4.8 4.9	9.99e+23 2.77e+23 2.27e+23 2.63e+23
2014/ 1/26 2019/ 1/16 2019/11/28 2020/ 3/ 4 2020/12/24 2021/ 2/25 2021/ 8/10	22.78 24.79 23.10 24.35 25.53 22.69 22.43	96.01 96.40 96.06 96.16 96.78 96.03 96.01	20.1 23.4 21.0 13.1 16.4 19.9 26.6	3 9 24 1 4 46	68 65 74 58 67 46 54	173 169 178 -167 -173	95 102 115 266 269 145	84 79 88 78 85	25 17 32 -23 -45	5.3 4.9 4.8 4.9 4.9	9.99e+23 2.77e+23 2.27e+23 2.63e+23 2.58e+23

2003.49(2) 19.86 95.72 15.8 8 71 172 190 83 20 6.6 8555 25	1978/ 9/30	16.64	95.94	10.0	17	76	-168	284	78	-14	5.7	5.07e+24
2008/12/19 19.62 9.63 15.0 13.1 42 63 33.6 54 112 5.3 9.66 212 2008/12/2 19.66 9.63 15.0 13.6 39 66 34.6 55 108 5.2 7.78 22 2006/3 / 2 19.60 96.05 16.0 129 46 53 15.6 55 122 4.7 1.65 212 1006/3 / 2 19.00 95.77 12.0 32.2 44 10.1 127 47 79 5.6 3.04 22 2007/3 / 2007 19.00 95.77 12.0 32.2 44 10.1 127 47 79 5.6 3.04 22 2007/3 / 2007 13.0 13.3 14 10.1 127 47 79 5.6 3.04 22 2007/3 / 2007 13.0 13.3 14 10.2 13.5 5 20.2 20.2 20.0 13.0 13.3 14 10.2 13.5 5 20.2 20.0 13.0 13.3 14 10.2 13.5 5 20.2 20.0 13.0 13.3 14 10.2 13.5 5 20.2 20.0 13.0 13.0 13.3 14 10.2 13.5 5 20.2 20.0 13.0 13.0 13.3 14 10.2 13.5 5 20.2 20.0 13.0 1							-					
2001/12/19 19.65 95.80 15.0 116 39 66 346 55 108 52 7.16e/12												
2006 8:2 1908 95,34 20,7 4 87 478 274 88 3 4.7 1.55c-23										108		
2007.730 19.00 95.77 12.0 322 44 101 127 47 79 5.6 304-24 2007.731 19.05 95.79 13.5 313 43 86 138 47 94 5.0 3.99-23 2013.443 19.13 95.79 12.0 152 36 102 318 55 82 5.3 1.06-24 2013.443 19.13 95.79 12.0 131 46 77 150 46 103 5.1 5.32-23 2019.411 19.08 95.77 12.0 311 46 77 150 46 103 5.1 5.32-23 2019.411 19.08 95.77 12.0 311 46 77 150 46 103 5.1 5.32-23 2019.731 19.55 66 80.5 10.6 90 11 312 56 67 67 68 52 52 52 52 52 52 52 5	2005/2/8	19.61	96.05	16.0	129	46	53	356	55	122	4.7	1.65e+23
2007:7731 19.05 95.79 13.5 21.3 43 86 138 47 94 5.0 3.09e;23 2013:473 19.13 95.77 12.0 131 12.2 36 10.2 318 55 82 5.3 1.06e;24 2013:474 19.08 05.77 12.0 311 46 77 15.0 46 103 5.1 5.23e;23 2015:771 19.15 96.25 18.9 166 40 118 312 55 69 48 2.15e;23 2017:721 19.15 96.25 18.9 166 40 118 312 55 69 48 2.15e;23 2017:721 19.15 96.25 18.9 166 40 118 312 55 69 48 2.15e;23 2017:721 19.15 96.25 18.5 17.77 42 17.3 20.00	2006/ 8/ 2	19.08	95.74	20.7	4	87	-178	274	88	-3	4.7	1.53e+23
2013 4/4 3	2007/ 7/30	19.06	95.77	12.0	322	44	101	127	47	79	5.6	
2013 474 1908 95.77 120 311 46 77 150 46 103 5.1 5.22e+23 2013 7721 19.15 96.25 18.9 166 40 118 312 55 69 4.8 2.16e+23 2013 7721 19.15 96.25 18.9 166 40 118 312 55 69 4.8 2.16e+23 2016 7721 19.15 96.25 18.9 166 40 118 312 55 69 4.8 2.16e+23 2016 7171 18.31 96.15 12.0 171 42 113 320 52 70 5.9 9.86e+24 2.20e+24 2.20e												
2013												
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2017/3/13 1723 96.09 12.0 97 85 4 7 86 175 52 7.66e; 12 2018; 171 1831 96.15 120 171 42 113 320 52 70 5.9 98e; 24 2018; 37 1976 96.00 197 177 76 173 269 83 14 4.9 2.53e; 12 2018; 470 1824 96.21 18.5 174 44 102 338 48 79 48 2.67e; 22 2018; 4720 18.23 96.20 18.2 165 37 116 326 55 78 4.9 3.15e; 22 2018; 4720 18.23 96.20 12.2 165 37 116 326 55 78 4.9 3.15e; 22 2018; 4720 18.18 96.22 12.7 145 37 82 336 53 97 5.0 3.56e; 23 2018; 4724 2018; 4720												
2018 1/11 18,31 96,15 12,0 171 42 113 320 52 70 59 9,8881-24												
2008/3/7 19.76 96.00 19.7 177 76 173 269 83 14 4.9 2.52er 2.0018/3/17 18.24 96.21 18.5 174 44 102 338 48 79 44 2.07er 2.0018/4/20 18.23 96.20 15.2 165 37 106 326 55 78 4.9 3.15er 2.0018/4/20 18.23 96.20 15.2 165 37 106 326 55 78 4.9 3.15er 2.0018/4/20 18.23 96.20 15.2 164 39 112 317 55 73 4.9 3.15er 2.0018/4/20 18.18 96.22 12.7 145 37 82 336 53 96 5.0 3.56er 2.0019/8/31 2.2009 545 10.0 7 40 142 128 67 57 4.9 2.76er 2.0019/11/27 22.38 94.99 16.6 92 37 38 330 69 121 5.4 1.61er 2.0019/8/31 2.267 95.61 60.0 75 170 99 81 15 5.5 2.29er 2.0019/11/27 2.267 95.61 60.0 213 38 31 328 77 -1.24 5.4 1.61er 2.0019/8/31 2.267 95.01 60.0 213 38 31 3.28 77 -1.24 5.4 1.66er 2.0007/267 2.259 2.239 2.231 15.0 3.38 3.2 88 168 59 95 5.6 3.53er 3.0007/267 2.226 2.230 9.231 15.0 3.38 3.2 88 168 59 95 5.6 3.53er 3.0007/267 2.226 2.246 2.346 17.7 3.53 3.5 8.04 16.67 3.50er 2.2009/12/3 2.157 91.74 12.0 345 40 44 150 51 87 49 2.58er 2.2009/12/3 2.157 91.74 12.0 345 40 44 150 51 87 49 2.58er 2.2009/12/3 2.210 93.26 19.9 13 79 175 105 85 20 5.7 3.39er 3.0009/12/3 2.2009/12/3 2.310 93.36 2.00 2.85 85 3 16 87 47 47 4.5er 2.2009/12/3 2.310 93.36 2.00 2.85 85 3 3 6 87 4.75							+					
2018;470 18,24 96,21 18,5 174 44 102 338 48 79 4.8 2.07-23												+
2018 420 18.23 96.20 15.2 16.5 37 106 326 55 78 4.9 3.15e-23												
2018/474 18.29 96.13 12.0 164 39 112 317 55 73 4.9 2.49e+23												
2018/617							_					
1981 6:30 23:00 95:45 10:0 7 40 142 128 67 57 4.9 2.76e; 23 20:91 20:91 22:38 94:99 16:0 7 75 170 99 81 15 5.5 2.29e; 24 20:98 23:15 20:93 23:15												
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1989 12 8					<u> </u>							
2003/7/26 22.90 92.31 15.0 338 32 82 168 59 95 5.6 3.53e+24					Bu	rma (Indo-						
2008/17/27 22.83 92.34 15.0 2 16 88 184 74 91 5.4 1.60e+24 2008/17/2 22.65 92.56 17.7 353 35 104 157 56 81 49 2.58e+23 2009/17/3 21.87 91.74 12.0 345 40 94 160 51 87 49 2.8e+23 2014/9/9 21.98 93.14 161 118 81 6 27 84 171 5.4 1.8e+24 2020 621 23.10 93.26 199 13 70 175 105 85 20 5.7 3.79e+24 2020 728 23.10 93.26 199 13 70 175 105 85 20 5.7 3.79e+24 2020 728 23.10 93.26 20.0 285 85 -3 16 87 +175 4.7 1.48e+23 2020 827 23.10 93.25 22.6 5 75 73 169 99 79 17 5.4 1.36e+24 2020 73.7 23.12 93.27 22.5 9 69 176 101 86 21 5.2 7.18e+23 2020 71.7 23.12 93.27 22.5 9 69 176 101 86 21 5.2 7.18e+23 2020 71.7 23.12 93.27 23.5 9 69 176 101 86 21 5.2 7.79e+23 2006 511 23.31 94.30 33.7 15 42 102 180 49 80 5.6 2.71e+24 2020 418 22.41 94.66 15.0 246 16 169 347 87 74 61 20.2e+25 2021 418 22.41 94.88 37.9 161 31 61 14 63 106 5.1 5.2e+23 2021 1980 24.25 24.05 24	1989/12/8	21.54	93.78	15.0	213	38	-31	328	71	-124	5.4	1.66e+24
2008/1712 22.65 92.36 17.7 353 35 104 157 56 81 4.9 2.8e-23												
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2014/9/9 21.98 93.14 16.1 118 81 6 27 84 171 5.4 1.8e+24 2020/16/18 23.10 93.26 199 13 70 175 105 85 20 5.7 3.79e+24 2020/16/18 23.10 93.26 20.0 285 85 -3 16 87 -175 4.7 1.4se+23 2020/16/18 23.12 93.25 22.6 5 75 178 96 88 15 4.7 1.3se+23 2020/17/17 23.12 93.25 22.6 5 75 178 96 88 15 4.7 1.3se+23 2020/17/17 23.12 93.27 23.5 9 69 176 101 86 21 5.2 7.1se+23 2020/17/17 23.12 93.27 23.5 9 69 176 101 86 21 5.2 7.1se+23 2020/17/17 23.12 93.27 23.5 9 69 176 101 86 21 5.2 7.1se+23 2020/17/17 23.12 93.27 23.5 9 178 96 88 15 4.7 1.3se+23 2020/17/17 23.12 93.27 23.5 94.99 20.0 208 19 131 345 76 78 5.2 7.79e+23 2020/17/18 22.41 94.38 37.7 161 33 61 14 63 106 5.1 2.0se+25 2020/17/18 22.41 94.38 37.9 161 33 61 14 63 106 5.1 2.0se+25 2020/17/18 22.16 94.06 15.0 2246 62 -15 321 77 -152 5.4 1.4se+24 1986/2/8 23.79 93.09 33.0 224 62 -15 321 77 -152 5.4 1.4se+24 1986/2/8 23.79 93.09 33.0 224 62 -15 321 77 -152 5.4 1.4se+24 1986/2/8 23.79 93.89 34.6 102 34 59 317 61 109 5.3 1.4se+24 1997/17/3 23.80 93.89 34.6 102 34 59 317 61 109 5.3 1.4se+24 1997/17/3 23.80 93.89 34.6 102 34 59 317 61 109 5.3 1.4se+24 1997/17/3 23.30 93.48 34.8 330 16 40 201 80 103 5.2 9.0se+23 1997/17/3 23.30 93.48 34.8 330 16 40 201 80 103 5.2 9.0se+23 1997/17/3 23.30 93.48 34.8 330 16 40 201 80 103 5.2 9.0se+23 1997/17/3 23.30 93.48 34.8 330 16 40 201 80 103 5.2 9.0se+23 1997/17/3 23.30 93.48 34.8 35.0 78 68 4 347 86 138 5.9 9.0se+23 1997/17/3 23.30 93.48 34.8 35.0 102 34 59 317 61 109 5.3						+	_					+
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1978/ 2/23 23.16 94.93 122.2 331 31 44 201 69 113 5.1 5.37e+23	1977/10/13	23.27	93.16	60.8	145			48	84	-49	5.4	1.62e+24
1979/ 1/ 1 20.51 93.59 95.0 93 32 62 305 62 106 5.3 1.12e+24				<u> </u>			+					5.37e+23
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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
1983/10/21	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			61.3	157	69		254	73	22	6.0	
	24.33	93.42		352		161		53	61		1.19e+25
1984/12/30	24.75	92.99	101.8		38	123	129			5.2	1.33e+25
1985/ 4/24	25.83	95.97	56.4	324		58	182	58	113		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
1007/4/14							~	77	20		
1997/ 4/14	22.55	94.18	110.1	150	61	165	247	77	30	5.2	8.66e+23
1997/ 4/14	22.55 21.41		110.1 150.4	150 208	37	165 24	247 98	76	124	5.3	8.66e+23 1.21e+24
		94.18							124 24	5.3 5.5	
1997/ 7/11	21.41	94.18 94.64	150.4	208	37	24	98	76	124	5.3	1.21e+24
1997/ 7/11 1998/ 5/ 2	21.41 24.84	94.18 94.64 95.09	150.4 127.4	208 132	37 68 12 62	24 156	98 232	76 68 90 76	124 24	5.3 5.5 5.3 5.5	1.21e+24 1.96e+24
1997/ 7/11 1998/ 5/ 2 1998/10/16	21.41 24.84 23.82	94.18 94.64 95.09 94.74	150.4 127.4 112.1	208 132 86	37 68 12	24 156 180	98 232 177	76 68 90	124 24 78 151 56	5.3 5.5 5.3	1.21e+24 1.96e+24 1.12e+24
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5	21.41 24.84 23.82 24.50	94.18 94.64 95.09 94.74 93.96	150.4 127.4 112.1 65.1	208 132 86 86	37 68 12 62	24 156 180 16	98 232 177 348	76 68 90 76	124 24 78 151	5.3 5.5 5.3 5.5	1.21e+24 1.96e+24 1.12e+24 2.51e+24
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2	21.41 24.84 23.82 24.50 24.45 23.58 21.94	94.18 94.64 95.09 94.74 93.96 94.67	150.4 127.4 112.1 65.1 103.2 122.3 74.0	208 132 86 86 133 343 216	37 68 12 62 37 14 83	24 156 180 16 155 98 -5	98 232 177 348 244 155 307	76 68 90 76 75 77 85	124 24 78 151 56 88 -173	5.3 5.5 5.3 5.5 5.2 5.5 5.4	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 1.71e+24
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99	94.18 94.64 95.09 94.74 93.96 94.67 94.63	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1	208 132 86 86 133 343 216 140	37 68 12 62 37 14 83 40	24 156 180 16 155 98 -5 -141	98 232 177 348 244 155 307	76 68 90 76 75 77 85 66	124 24 78 151 56 88 -173 -57	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11 2000/11/13 2001/ 3/ 3 2001/ 4/10	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99 25.35	94.18 94.64 95.09 94.74 93.96 94.67 94.63 93.04 93.43 94.91	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1 148.7	208 132 86 86 133 343 216 140 8	37 68 12 62 37 14 83 40 34	24 156 180 16 155 98 -5 -141 28	98 232 177 348 244 155 307 19 254	76 68 90 76 75 77 85 66 75	124 24 78 151 56 88 -173 -57 121	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2 5.2 5.2	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 1.71e+24 7e+23 9.14e+23
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11 2000/11/13 2001/ 3/ 3 2001/ 4/10 2001/ 8/12	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99 25.35 24.43	94.18 94.64 95.09 94.74 93.96 94.67 94.63 93.04 93.43 94.91	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1 148.7 142.0	208 132 86 86 133 343 216 140 8 285	37 68 12 62 37 14 83 40 34 40	24 156 180 16 155 98 -5 -141 28 48	98 232 177 348 244 155 307	76 68 90 76 75 77 85 66 75 61	124 24 78 151 56 88 -173 -57 121 119	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2 5.2 5.2 5.3	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 1.71e+24 7e+23 9.14e+23 4.41e+23
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11 2000/11/13 2001/ 3/ 3 2001/ 4/10 2001/ 8/12 2003/ 1/17	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99 25.35	94.18 94.64 95.09 94.74 93.96 94.67 94.63 93.04 93.43 94.91	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1 148.7 142.0 114.2	208 132 86 86 133 343 216 140 8 285 38	37 68 12 62 37 14 83 40 34 40 31	24 156 180 16 155 98 -5 -141 28	98 232 177 348 244 155 307 19 254	76 68 90 76 75 77 85 66 75 61 80	124 24 78 151 56 88 -173 -57 121 119 61	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2 5.2 5.2 5.0 5.0	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 1.71e+24 7e+23 9.14e+23 4.41e+23 4.08e+23
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11 2000/11/13 2001/ 3/ 3 2001/ 4/10 2001/ 8/12 2003/ 1/17 2004/10/ 8	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99 25.35 24.43 19.68 24.34	94.18 94.64 95.09 94.74 93.96 94.67 94.63 93.04 93.43 94.91 94.99 95.13 94.35	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1 148.7 142.0 114.2 77.5	208 132 86 86 133 343 216 140 8 285 38 139	37 68 12 62 37 14 83 40 34 40 31 46	24 156 180 16 155 98 -5 -141 28 48 159 147	98 232 177 348 244 155 307 19 254 155 146 252	76 68 90 76 75 77 85 66 75 61 80 67	124 24 78 151 56 88 -173 -57 121 119 61 48	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2 5.2 5.0 5.0 4.8	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 1.71e+24 7e+23 9.14e+23 4.41e+23 4.08e+23 2.29e+23
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11 2000/11/13 2001/ 3/ 3 2001/ 4/10 2001/ 8/12 2003/ 1/17 2004/10/ 8 2005/ 1/18	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99 25.35 24.43 19.68 24.34 22.73	94.18 94.64 95.09 94.74 93.96 94.67 94.63 93.04 93.43 94.91 94.99 95.13 94.35 94.52	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1 148.7 142.0 114.2 77.5 88.7	208 132 86 86 133 343 216 140 8 285 38 139 271	37 68 12 62 37 14 83 40 34 40 31 46 28	24 156 180 16 155 98 -5 -141 28 48 159 147 31	98 232 177 348 244 155 307 19 254 155 146 252 153	76 68 90 76 75 77 85 66 75 61 80 67	124 24 78 151 56 88 -173 -57 121 119 61 48 115	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2 5.2 5.0 5.0 4.8 4.8	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 1.71e+24 7e+23 9.14e+23 4.41e+23 4.08e+23 2.29e+23 2.22e+23
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11 2000/11/13 2001/ 3/ 3 2001/ 4/10 2001/ 8/12 2003/ 1/17 2004/10/ 8 2005/ 1/18 2005/ 2/ 3	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99 25.35 24.43 19.68 24.34 22.73 26.04	94.18 94.64 95.09 94.74 93.96 94.67 94.63 93.04 93.43 94.91 94.99 95.13 94.35 94.52 95.58	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1 148.7 142.0 114.2 77.5 88.7 78.6	208 132 86 86 133 343 216 140 8 285 38 139 271 286	37 68 12 62 37 14 83 40 34 40 31 46 28 24	24 156 180 16 155 98 -5 -141 28 48 159 147 31 -26	98 232 177 348 244 155 307 19 254 155 146 252 153 40	76 68 90 76 75 77 85 66 75 61 80 67 76 80	124 24 78 151 56 88 -173 -57 121 119 61 48 115 -112	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2 5.2 5.0 5.0 4.8 4.8 4.9	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 1.71e+24 7e+23 9.14e+23 4.41e+23 4.08e+23 2.29e+23 2.22e+23 2.58e+23
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11 2000/11/13 2001/ 3/ 3 2001/ 4/10 2001/ 8/12 2003/ 1/17 2004/10/ 8 2005/ 1/18	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99 25.35 24.43 19.68 24.34 22.73	94.18 94.64 95.09 94.74 93.96 94.67 94.63 93.04 93.43 94.91 94.99 95.13 94.35 94.52	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1 148.7 142.0 114.2 77.5 88.7	208 132 86 86 133 343 216 140 8 285 38 139 271	37 68 12 62 37 14 83 40 34 40 31 46 28	24 156 180 16 155 98 -5 -141 28 48 159 147 31	98 232 177 348 244 155 307 19 254 155 146 252 153	76 68 90 76 75 77 85 66 75 61 80 67	124 24 78 151 56 88 -173 -57 121 119 61 48 115	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2 5.2 5.0 5.0 4.8 4.8	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 1.71e+24 7e+23 9.14e+23 4.41e+23 4.08e+23 2.29e+23 2.22e+23
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11 2000/11/13 2001/ 3/ 3 2001/ 4/10 2001/ 8/12 2003/ 1/17 2004/10/ 8 2005/ 1/18 2005/ 2/ 3	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99 25.35 24.43 19.68 24.34 22.73 26.04	94.18 94.64 95.09 94.74 93.96 94.67 94.63 93.04 93.43 94.91 94.99 95.13 94.35 94.52 95.58	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1 148.7 142.0 114.2 77.5 88.7 78.6	208 132 86 86 133 343 216 140 8 285 38 139 271 286	37 68 12 62 37 14 83 40 34 40 31 46 28 24	24 156 180 16 155 98 -5 -141 28 48 159 147 31 -26	98 232 177 348 244 155 307 19 254 155 146 252 153 40	76 68 90 76 75 77 85 66 75 61 80 67 76 80	124 24 78 151 56 88 -173 -57 121 119 61 48 115 -112	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2 5.2 5.0 5.0 4.8 4.8 4.9	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 1.71e+24 7e+23 9.14e+23 4.41e+23 4.08e+23 2.29e+23 2.22e+23 2.58e+23
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11 2000/11/13 2001/ 3/ 3 2001/ 4/10 2001/ 8/12 2003/ 1/17 2004/10/ 8 2005/ 1/18 2005/ 2/ 3 2005/ 2/15	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99 25.35 24.43 19.68 24.34 22.73 26.04 24.40	94.18 94.64 95.09 94.74 93.96 94.67 94.63 93.04 93.43 94.91 94.99 95.13 94.35 94.52 95.58 94.62	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1 148.7 142.0 114.2 77.5 88.7 78.6 60.4	208 132 86 86 133 343 216 140 8 285 38 139 271 286 276	37 68 12 62 37 14 83 40 34 40 31 46 28 24 61	24 156 180 16 155 98 -5 -141 28 48 159 147 31 -26 28	98 232 177 348 244 155 307 19 254 155 146 252 153 40 171	76 68 90 76 75 77 85 66 75 61 80 67 76 80 65	124 24 78 151 56 88 -173 -57 121 119 61 48 115 -112 147	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2 5.2 5.0 5.0 4.8 4.8 4.9 5.2	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 1.71e+24 7e+23 9.14e+23 4.41e+23 4.08e+23 2.29e+23 2.22e+23 2.58e+23 7.85e+23
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11 2000/11/13 2001/ 3/ 3 2001/ 4/10 2001/ 8/12 2003/ 1/17 2004/10/ 8 2005/ 1/18 2005/ 2/ 3 2005/ 2/15 2005/ 3/23	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99 25.35 24.43 19.68 24.34 22.73 26.04 24.40 26.17	94.18 94.64 95.09 94.74 93.96 94.67 94.63 93.04 93.43 94.91 94.99 95.13 94.35 94.52 95.58 94.62 95.43	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1 148.7 142.0 114.2 77.5 88.7 78.6 60.4 79.0	208 132 86 86 133 343 216 140 8 285 38 139 271 286 276 132	37 68 12 62 37 14 83 40 34 40 31 46 28 24 61 42	24 156 180 16 155 98 -5 -141 28 48 159 147 31 -26 28 177	98 232 177 348 244 155 307 19 254 155 146 252 153 40 171 225	76 68 90 76 75 77 85 66 75 61 80 67 76 80 65	124 24 78 151 56 88 -173 -57 121 119 61 48 115 -112 147 48	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2 5.2 5.0 5.0 4.8 4.8 4.9 5.2 4.9	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 1.71e+24 7e+23 9.14e+23 4.41e+23 4.08e+23 2.22e+23 2.22e+23 2.58e+23 7.85e+23 3.21e+23
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11 2000/11/13 2001/ 3/ 3 2001/ 4/10 2001/ 8/12 2003/ 1/17 2004/10/ 8 2005/ 1/18 2005/ 2/ 3 2005/ 3/23 2005/ 3/25	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99 25.35 24.43 19.68 24.34 22.73 26.04 24.40 26.17 25.54	94.18 94.64 95.09 94.74 93.96 94.67 94.63 93.04 93.43 94.91 94.99 95.13 94.35 94.52 95.58 94.62 95.43 94.92	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1 148.7 142.0 114.2 77.5 88.7 78.6 60.4 79.0 83.0	208 132 86 86 133 343 216 140 8 285 38 139 271 286 276 132 151	37 68 12 62 37 14 83 40 34 40 31 46 28 24 61 42 65	24 156 180 16 155 98 -5 -141 28 48 159 147 31 -26 28 177 176 53 38	98 232 177 348 244 155 307 19 254 155 146 252 153 40 171 225 243	76 68 90 76 75 77 85 66 75 61 80 67 76 80 65 88 86 62 60	124 24 78 151 56 88 -173 -57 121 119 61 48 115 -112 147 48 25	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2 5.2 5.0 5.0 4.8 4.8 4.9 5.2 4.9 5.2	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 1.71e+24 7e+23 9.14e+23 4.41e+23 4.08e+23 2.29e+23 2.22e+23 2.58e+23 7.85e+23 3.21e+23 7.5e+23
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11 2000/11/13 2001/ 3/ 3 2001/ 4/10 2001/ 8/12 2003/ 1/17 2004/10/ 8 2005/ 1/18 2005/ 2/ 3 2005/ 2/15 2005/ 3/23 2005/ 3/25 2005/ 7/17	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99 25.35 24.43 19.68 24.34 22.73 26.04 24.40 26.17 25.54 20.80	94.18 94.64 95.09 94.74 93.96 94.67 94.63 93.04 93.43 94.91 94.99 95.13 94.35 94.52 95.58 94.62 95.43 94.92 95.09	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1 148.7 142.0 114.2 77.5 88.7 78.6 60.4 79.0 83.0 121.6	208 132 86 86 133 343 216 140 8 285 38 139 271 286 276 132 151 241	37 68 12 62 37 14 83 40 34 40 31 46 28 24 61 42 65 36	24 156 180 16 155 98 -5 -141 28 48 159 147 31 -26 28 177 176 53	98 232 177 348 244 155 307 19 254 155 146 252 153 40 171 225 243 105	76 68 90 76 75 77 85 66 75 61 80 67 76 80 65 88	124 24 78 151 56 88 -173 -57 121 119 61 48 115 -112 147 48 25 114	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2 5.2 5.0 5.0 4.8 4.8 4.9 5.2 4.9 5.2 5.0	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 1.71e+24 7e+23 9.14e+23 4.41e+23 4.08e+23 2.29e+23 2.22e+23 2.58e+23 7.85e+23 3.21e+23 7.5e+23 3.36e+23
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11 2000/11/13 2001/ 3/ 3 2001/ 4/10 2001/ 8/12 2003/ 1/17 2004/10/ 8 2005/ 1/18 2005/ 2/ 3 2005/ 2/15 2005/ 3/23 2005/ 3/25 2005/ 9/18	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99 25.35 24.43 19.68 24.34 22.73 26.04 24.40 26.17 25.54 20.80 24.48	94.18 94.64 95.09 94.74 93.96 94.67 94.63 93.04 93.43 94.91 94.99 95.13 94.35 94.52 95.58 94.62 95.43 94.92 95.09 94.71	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1 148.7 142.0 114.2 77.5 88.7 78.6 60.4 79.0 83.0 121.6 105.4	208 132 86 86 133 343 216 140 8 285 38 139 271 286 276 132 151 241 271	37 68 12 62 37 14 83 40 34 40 31 46 28 24 61 42 65 36 54	24 156 180 16 155 98 -5 -141 28 48 159 147 31 -26 28 177 176 53 38	98 232 177 348 244 155 307 19 254 155 146 252 153 40 171 225 243 105 156	76 68 90 76 75 77 85 66 75 61 80 67 76 80 65 88 86 62 60	124 24 78 151 56 88 -173 -57 121 119 61 48 115 -112 147 48 25 114 138	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2 5.2 5.0 5.0 4.8 4.8 4.9 5.2 4.9 5.2 5.0 5.7	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 1.71e+24 7e+23 9.14e+23 4.41e+23 4.08e+23 2.29e+23 2.22e+23 2.58e+23 7.85e+23 3.21e+23 7.5e+23 3.36e+23 3.79e+24
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11 2000/11/13 2001/ 3/ 3 2001/ 4/10 2001/ 8/12 2003/ 1/17 2004/10/ 8 2005/ 1/18 2005/ 2/ 3 2005/ 2/ 15 2005/ 3/23 2005/ 3/25 2005/ 9/18 2006/ 3/ 2	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99 25.35 24.43 19.68 24.34 22.73 26.04 24.40 26.17 25.54 20.80 24.48 24.22	94.18 94.64 95.09 94.74 93.96 94.67 94.63 93.04 93.43 94.91 94.99 95.13 94.35 94.52 95.58 94.62 95.43 94.92 95.09 94.71 94.42	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1 148.7 142.0 114.2 77.5 88.7 78.6 60.4 79.0 83.0 121.6 105.4 69.3	208 132 86 86 133 343 216 140 8 285 38 139 271 286 276 132 151 241 271 251	37 68 12 62 37 14 83 40 31 46 28 24 61 42 65 36 54 70	24 156 180 16 155 98 -5 -141 28 48 159 147 31 -26 28 177 176 53 38 5	98 232 177 348 244 155 307 19 254 155 146 252 153 40 171 225 243 105 156 159	76 68 90 76 75 77 85 66 75 61 80 67 76 80 65 88 86 62 60 85	124 24 78 151 56 88 -173 -57 121 119 61 48 115 -112 147 48 25 114 138 160	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2 5.2 5.0 5.0 4.8 4.8 4.9 5.2 4.9 5.2 4.9 5.2 4.9	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 1.71e+24 7e+23 9.14e+23 4.41e+23 4.08e+23 2.29e+23 2.22e+23 2.58e+23 7.85e+23 3.21e+23 7.5e+23 3.79e+24 2.74e+23
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11 2000/11/13 2001/ 3/ 3 2001/ 4/10 2001/ 8/12 2003/ 1/17 2004/10/ 8 2005/ 1/18 2005/ 2/ 3 2005/ 2/15 2005/ 3/23 2005/ 3/25 2005/ 7/17 2005/ 9/18 2006/ 3/ 2 2007/ 1/ 9	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99 25.35 24.43 19.68 24.34 22.73 26.04 24.40 26.17 25.54 20.80 24.48 24.22 19.13	94.18 94.64 95.09 94.74 93.96 94.67 94.63 93.04 93.43 94.91 94.99 95.13 94.35 94.52 95.58 94.62 95.43 94.92 95.09 94.71 94.42 95.35	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1 148.7 142.0 114.2 77.5 88.7 78.6 60.4 79.0 83.0 121.6 105.4 69.3 97.6	208 132 86 86 133 343 216 140 8 285 38 139 271 286 276 132 151 241 271 251 174	37 68 12 62 37 14 83 40 34 40 31 46 28 24 61 42 65 36 54 70 48	24 156 180 16 155 98 -5 -141 28 48 159 147 31 -26 28 177 176 53 38 5 18	98 232 177 348 244 155 307 19 254 155 146 252 153 40 171 225 243 105 156 159 72	76 68 90 76 75 77 85 66 75 61 80 67 76 80 65 88 86 62 60 85 77	124 24 78 151 56 88 -173 -57 121 119 61 48 115 -112 147 48 25 114 138 160 136	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2 5.2 5.0 5.0 4.8 4.8 4.9 5.2 4.9 5.2 4.9 5.2	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 1.71e+24 7e+23 9.14e+23 4.41e+23 4.08e+23 2.29e+23 2.22e+23 2.58e+23 7.85e+23 3.21e+23 7.5e+23 3.36e+23 3.79e+24 2.74e+23 3.14e+23
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11 2000/11/13 2001/ 3/ 3 2001/ 4/10 2001/ 8/12 2003/ 1/17 2004/10/ 8 2005/ 1/18 2005/ 2/ 3 2005/ 2/ 15 2005/ 3/ 23 2005/ 3/ 25 2005/ 9/ 18 2006/ 3/ 2 2007/ 1/ 9 2007/ 5/ 7	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99 25.35 24.43 19.68 24.34 22.73 26.04 24.40 26.17 25.54 20.80 24.48 24.22 19.13 23.02	94.18 94.64 95.09 94.74 93.96 94.67 94.63 93.04 93.43 94.91 94.99 95.13 94.35 94.52 95.58 94.62 95.43 94.92 95.09 94.71 94.42 95.35 94.58	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1 148.7 142.0 114.2 77.5 88.7 78.6 60.4 79.0 83.0 121.6 105.4 69.3 97.6 97.3	208 132 86 86 133 343 216 140 8 285 38 139 271 286 276 132 151 241 271 251 174 229	37 68 12 62 37 14 83 40 31 46 28 24 61 42 65 36 54 70 48 69	24 156 180 16 155 98 -5 -141 28 48 159 147 31 -26 28 177 176 53 38 5 18 13	98 232 177 348 244 155 307 19 254 155 146 252 153 40 171 225 243 105 156 159 72 134	76 68 90 76 75 77 85 66 75 61 80 67 76 80 65 88 86 62 60 85 77 77	124 24 78 151 56 88 -173 -57 121 119 61 48 115 -112 147 48 25 114 138 160 136 159	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2 5.2 5.0 5.0 4.8 4.8 4.9 5.2 4.9 5.2 4.9 5.2 5.0 5.0	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 7e+23 9.14e+23 4.41e+23 4.08e+23 2.29e+23 2.22e+23 2.58e+23 7.85e+23 3.21e+23 7.5e+23 3.36e+23 3.79e+24 2.74e+23 3.14e+23 3.82e+23
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11 2000/11/13 2001/ 3/ 3 2001/ 4/10 2001/ 8/12 2003/ 1/17 2004/10/ 8 2005/ 2/ 3 2005/ 2/ 15 2005/ 3/ 23 2005/ 3/ 25 2005/ 7/17 2005/ 9/18 2006/ 3/ 2 2007/ 1/ 9 2007/ 5/ 7 2007/12/ 7	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99 25.35 24.43 19.68 24.34 22.73 26.04 24.40 26.17 25.54 20.80 24.48 24.22 19.13 23.02 23.46	94.18 94.64 95.09 94.74 93.96 94.67 94.63 93.04 93.43 94.91 94.99 95.13 94.35 94.52 95.58 94.62 95.43 94.92 95.09 94.71 94.42 95.35 94.58 94.66	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1 148.7 142.0 114.2 77.5 88.7 78.6 60.4 79.0 83.0 121.6 105.4 69.3 97.6 97.3 108.7	208 132 86 86 133 343 216 140 8 285 38 139 271 286 276 132 151 241 271 251 174 229 135	37 68 12 62 37 14 83 40 31 46 28 24 61 42 65 36 54 70 48 69 42	24 156 180 16 155 98 -5 -141 28 48 159 147 31 -26 28 177 176 53 38 5 18 13 120	98 232 177 348 244 155 307 19 254 155 146 252 153 40 171 225 243 105 156 159 72 134 277	76 68 90 76 75 77 85 66 75 61 80 67 76 80 65 88 86 62 60 85 77 77 54	124 24 78 151 56 88 -173 -57 121 119 61 48 115 -112 147 48 25 114 138 160 136 159 65	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2 5.2 5.0 5.0 4.8 4.8 4.9 5.2 4.9 5.2 4.9 5.2 5.0 5.0 5.0 5.0	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 1.71e+24 7e+23 9.14e+23 4.41e+23 4.08e+23 2.29e+23 2.22e+23 2.58e+23 7.85e+23 3.21e+23 7.5e+23 3.36e+23 3.79e+24 2.74e+23 3.14e+23 3.82e+23 3.75e+23
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1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11 2000/11/13 2001/ 3/ 3 2001/ 4/10 2001/ 8/12 2003/ 1/17 2004/10/ 8 2005/ 1/18 2005/ 2/ 3 2005/ 2/ 15 2005/ 3/23 2005/ 3/25 2005/ 7/17 2005/ 9/18 2006/ 3/ 2 2007/ 1/ 9 2007/ 5/ 7 2008/ 7/ 7 2008/ 7/ 7 2009/ 8/11 2009/ 8/30	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99 25.35 24.43 19.68 24.34 22.73 26.04 24.40 26.17 25.54 20.80 24.48 24.22 19.13 23.02 23.46 25.95 24.25 25.13	94.18 94.64 95.09 94.74 93.96 94.67 94.63 93.04 93.43 94.91 94.99 95.13 94.52 95.58 94.62 95.43 94.92 95.09 94.71 94.42 95.35 94.66 95.34 94.77 95.06	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1 148.7 142.0 114.2 77.5 88.7 78.6 60.4 79.0 83.0 121.6 105.4 69.3 97.6 97.3 108.7 70.0 115.0 78.0	208 132 86 86 133 343 216 140 8 285 38 139 271 286 276 132 151 241 271 251 174 229 135 137 119 261	37 68 12 62 37 14 83 40 31 46 28 24 61 42 65 36 54 70 48 69 42 45 52	24 156 180 16 155 98 -5 -141 28 48 159 147 31 -26 28 177 176 53 38 5 18 13 120 135 139 32	98 232 177 348 244 155 307 19 254 155 146 252 153 40 171 225 243 105 156 159 72 134 277 262 241 150	76 68 90 76 75 77 85 66 75 61 80 67 76 80 65 88 86 62 60 85 77 77 54 60 62 65	124 24 78 151 56 88 -173 -57 121 119 61 48 115 -112 147 48 25 114 138 160 136 159 65 55 53 138	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2 5.2 5.0 5.0 4.8 4.8 4.9 5.2 4.9 5.2 5.0 5.0 5.0 4.8 4.9 5.2 5.0 5.0 5.2 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 1.71e+24 7e+23 9.14e+23 4.41e+23 4.08e+23 2.29e+23 2.29e+23 2.58e+23 7.85e+23 3.21e+23 7.5e+23 3.36e+23 3.79e+24 2.74e+23 3.14e+23 3.82e+23 3.75e+23 2.13e+24 1.01e+24
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1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11 2000/11/13 2001/ 3/ 3 2001/ 4/10 2001/ 8/12 2003/ 1/17 2004/10/ 8 2005/ 2/ 3 2005/ 2/ 3 2005/ 2/ 15 2005/ 3/ 23 2005/ 3/ 25 2005/ 7/ 17 2005/ 9/ 18 2006/ 3/ 2 2007/ 1/ 9 2007/ 5/ 7 2008/ 7/ 7 2008/ 7/ 7 2009/ 8/ 11 2009/ 8/ 30 2009/ 9/ 3 2009/ 9/ 21	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99 25.35 24.43 19.68 24.34 22.73 26.04 24.40 26.17 25.54 20.80 24.48 24.22 19.13 23.02 23.46 25.95 24.25 25.13 24.29 20.14	94.18 94.64 95.09 94.74 93.96 94.67 94.63 93.04 93.43 94.91 94.99 95.13 94.35 94.52 95.58 94.62 95.43 94.92 95.09 94.71 94.42 95.35 94.58 94.66 95.34 94.77 95.06 94.73 94.87	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1 148.7 142.0 114.2 77.5 88.7 78.6 60.4 79.0 83.0 121.6 105.4 69.3 97.6 97.3 108.7 70.0 115.0 78.0 115.5 74.2	208 132 86 86 133 343 216 140 8 285 38 139 271 286 276 132 151 241 271 251 174 229 135 137 119 261 144 227	37 68 12 62 37 14 83 40 31 46 28 24 61 42 65 36 54 70 48 69 42 45 45 52 46 33	24 156 180 16 155 98 -5 -141 28 48 159 147 31 -26 28 177 176 53 38 5 18 13 120 135 139 32 152 2	98 232 177 348 244 155 307 19 254 155 146 252 153 40 171 225 243 105 156 159 72 134 277 262 241 150 255 136	76 68 90 76 75 77 85 66 75 61 80 67 76 80 65 88 86 62 60 85 77 77 54 60 62 65 70 89	124 24 78 151 56 88 -173 -57 121 119 61 48 115 -112 147 48 25 114 138 160 136 159 65 55 53 138 48 123	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2 5.0 5.0 4.8 4.8 4.9 5.2 4.9 5.2 4.9 5.2 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 1.71e+24 7e+23 9.14e+23 4.41e+23 4.08e+23 2.29e+23 2.22e+23 2.58e+23 7.85e+23 3.21e+23 3.36e+23 3.79e+24 2.74e+23 3.14e+23 3.82e+23 3.75e+23 2.5e+23 2.13e+24 1.01e+24 8.77e+24 4.26e+24
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11 2000/11/13 2001/ 3/ 3 2001/ 4/10 2001/ 8/12 2003/ 1/17 2004/10/ 8 2005/ 1/18 2005/ 2/ 3 2005/ 2/ 15 2005/ 3/ 23 2005/ 3/ 25 2005/ 7/ 17 2005/ 9/ 18 2007/ 1/ 9 2007/ 5/ 7 2007/ 12/ 7 2008/ 7/ 7 2009/ 8/ 30 2009/ 9/ 3 2009/ 9/ 21 2009/ 12/ 29	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99 25.35 24.43 19.68 24.34 22.73 26.04 24.40 26.17 25.54 20.80 24.48 24.22 19.13 23.02 23.46 25.95 24.25 25.13 24.29 20.14 24.31	94.18 94.64 95.09 94.74 93.96 94.67 94.63 93.04 93.43 94.91 94.99 95.13 94.52 95.58 94.62 95.43 94.92 95.09 94.71 94.42 95.35 94.66 95.34 94.77 95.06 94.73 94.84	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1 148.7 142.0 114.2 77.5 88.7 78.6 60.4 79.0 83.0 121.6 105.4 69.3 97.6 97.3 108.7 70.0 115.0 78.0 115.5 74.2 125.1	208 132 86 86 133 343 216 140 8 285 38 139 271 286 276 132 151 241 271 251 174 229 135 137 119 261 144 227 124	37 68 12 62 37 14 83 40 34 40 31 46 28 24 61 42 65 36 54 70 48 69 42 45 45 45 45 45 33 41	24 156 180 16 155 98 -5 -141 28 48 159 147 31 -26 28 177 176 53 38 5 18 13 120 135 139 32 152 2	98 232 177 348 244 155 307 19 254 155 146 252 153 40 171 225 243 105 156 159 72 134 277 262 241 150 255 136 244	76 68 90 76 75 77 85 66 75 61 80 67 76 80 65 88 86 62 60 85 77 77 54 60 62 65 70 89 66	124 24 78 151 56 88 -173 -57 121 119 61 48 115 -112 147 48 25 114 138 160 136 159 65 55 53 138 48 123 55	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2 5.0 5.0 4.8 4.8 4.9 5.2 4.9 5.2 4.9 5.2 5.0 5.0 5.0 4.8 4.9 5.2 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 1.71e+24 7e+23 9.14e+23 4.41e+23 4.08e+23 2.29e+23 2.29e+23 2.29e+23 3.21e+23 7.5e+23 3.36e+23 3.79e+24 2.74e+23 3.14e+23 3.82e+23 3.75e+23 2.13e+24 1.01e+24 8.77e+24 4.26e+24 3.6e+24
1997/ 7/11 1998/ 5/ 2 1998/10/16 1999/ 4/ 5 2000/ 7/ 2 2000/10/11 2000/11/13 2001/ 3/ 3 2001/ 4/10 2001/ 8/12 2003/ 1/17 2004/10/ 8 2005/ 1/18 2005/ 2/ 3 2005/ 2/ 15 2005/ 3/23 2005/ 3/25 2005/ 7/17 2005/ 9/18 2006/ 3/ 2 2007/ 1/ 9 2007/ 5/ 7 2007/12/ 7 2008/ 7/ 7 2009/ 8/11 2009/ 8/30 2009/ 9/ 3 2009/ 9/ 21 2009/12/29 2010/ 2/20	21.41 24.84 23.82 24.50 24.45 23.58 21.94 23.99 25.35 24.43 19.68 24.34 22.73 26.04 24.40 26.17 25.54 20.80 24.48 24.22 19.13 23.02 23.46 25.95 24.25 25.13 24.29 20.14 24.31 23.14	94.18 94.64 95.09 94.74 93.96 94.67 94.63 93.04 93.43 94.91 94.99 95.13 94.52 95.58 94.62 95.43 94.92 95.09 94.71 94.42 95.35 94.58 94.66 95.34 94.77 95.06 94.73 94.84 94.63	150.4 127.4 112.1 65.1 103.2 122.3 74.0 64.1 148.7 142.0 114.2 77.5 88.7 78.6 60.4 79.0 83.0 121.6 105.4 69.3 97.6 97.3 108.7 70.0 115.0 78.0 115.5 74.2 125.1 104.8	208 132 86 86 133 343 216 140 8 285 38 139 271 286 276 132 151 241 271 251 174 229 135 137 119 261 144 227 124 231	37 68 12 62 37 14 83 40 31 46 28 24 61 42 65 36 54 70 48 69 42 45 45 52 46 33 41 46	24 156 180 16 155 98 -5 -141 28 48 159 147 31 -26 28 177 176 53 38 5 18 13 120 135 139 32 152 2 143 67	98 232 177 348 244 155 307 19 254 155 146 252 153 40 171 225 243 105 156 159 72 134 277 262 241 150 255 136 244 83	76 68 90 76 75 77 85 66 75 61 80 67 76 80 65 88 86 62 60 85 77 77 54 60 62 65 70 89 66 49	124 24 78 151 56 88 -173 -57 121 119 61 48 115 -112 147 48 25 114 138 160 136 159 65 55 53 138 48 123 55 112	5.3 5.5 5.3 5.5 5.2 5.5 5.4 5.2 5.2 5.0 5.0 4.8 4.8 4.9 5.2 4.9 5.2 4.9 5.2 5.0 5.0 5.0 4.8 4.9 5.2 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	1.21e+24 1.96e+24 1.12e+24 2.51e+24 7.74e+23 2.41e+24 1.71e+24 7e+23 9.14e+23 4.41e+23 4.08e+23 2.29e+23 2.22e+23 2.58e+23 7.85e+23 3.21e+23 3.36e+23 3.79e+24 2.74e+23 3.14e+23 3.82e+23 3.75e+23 2.5e+23 2.13e+24 1.01e+24 8.77e+24 4.26e+24 3.6e+24 2.28e+23

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