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Analytical and stress calculation methods and supplementary figures

Table DR1: sample locations

Table DR2: zircon U-Pb ages from source-areas compilation

Tables DR3 and DR4: zircon U-Pb ion probe data and standard

Tables DR5 and DR6: zircon U-Pb laser ablation data and standard

Table DR7: rutile U-Pb laser ablation data and standard

TABLE DR1a: LOCATIONS OF SAMPLES FROM DUNGSANG CHU SECTION (Coutand et al 2016)

Sample no	Depositional age (Ma)	Strat height (m) up section	Latitude (°N)	Longitude (°E)
SJ12	1.75±0.05	2136	26.83164	91.48105
SJ9	4.70±0.05	1610	26.82300	91.48179
SJ8	4.85±0.05	1394	26.82036	91.48350
SJ7	5.20±0.05	1205	26.81966	91.48624
SJ6b	5.45±0.10	1047	26.81930	91.48952
SJ4	6.35±0.05	620	26.81198	91.49379
SJ2	7.05±0.05	74	26.80851	91.50233
SJ1b	>7.10±n/a	-150	26.80052	91.50239

TABLE DR1b: SOURCE AREA COMPILATION U-Pb ZIRCON

Source area	Age (Ma)	Error ± 1σ	Reference
Southern Lhasa	183	2	Chu et al., 2006
Southern Lhasa	185	3	Chu et al., 2006
Southern Lhasa	193	3	Chu et al., 2006
Southern Lhasa	181	3	Chu et al., 2006
Southern Lhasa	187	3	Chu et al., 2006
Southern Lhasa	190	3	Chu et al., 2006
Southern Lhasa	195	3	Chu et al., 2006
Southern Lhasa	191	3	Chu et al., 2006
Southern Lhasa	188	3	Chu et al., 2006
Southern Lhasa	187	3	Chu et al., 2006
Southern Lhasa	190	3	Chu et al., 2006
Southern Lhasa	194	4	Chu et al., 2006
Southern Lhasa	181	4	Chu et al., 2006
Southern Lhasa	188	4	Chu et al., 2006
Southern Lhasa	197	4	Chu et al., 2006
Southern Lhasa	199	4	Chu et al., 2006
Southern Lhasa	191	4	Chu et al., 2006
Southern Lhasa	191	4	Chu et al., 2006
Southern Lhasa	189	5	Chu et al., 2006
Southern Lhasa	195	6	Chu et al., 2006
Southern Lhasa	52	1	Ji et al., 2009
Southern Lhasa	49	1	Ji et al., 2009
Southern Lhasa	45	1	Ji et al., 2009
Southern Lhasa	46	1	Ji et al., 2009
Southern Lhasa	51	1	Ji et al., 2009
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Southern Lhasa	52	2	Zhu et al., 2011
Southern Lhasa	80	2	Zhu et al., 2011
Southern Lhasa	78	2	Zhu et al., 2011
Southern Lhasa	84	2	Zhu et al., 2011
Southern Lhasa	85	2	Zhu et al., 2011
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Southern Lhasa	85	2	Zhu et al., 2011
Southern Lhasa	85	2	Zhu et al., 2011
Southern Lhasa	85	2	Zhu et al., 2011
Southern Lhasa	84	2	Zhu et al., 2011
Southern Lhasa	191	2	Zhu et al., 2011
Southern Lhasa	192	2	Zhu et al., 2011
Southern Lhasa	192	2	Zhu et al., 2011
Southern Lhasa	192	2	Zhu et al., 2011
Southern Lhasa	192	2	Zhu et al., 2011
Southern Lhasa	191	2	Zhu et al., 2011
Southern Lhasa	202	2	Zhu et al., 2011
Southern Lhasa	205	2	Zhu et al., 2011
Southern Lhasa	202	2	Zhu et al., 2011
Southern Lhasa	201	2	Zhu et al., 2011
Southern Lhasa	200	2	Zhu et al., 2011
Southern Lhasa	205	2	Zhu et al., 2011
Southern Lhasa	200	2	Zhu et al., 2011
Southern Lhasa	201	2	Zhu et al., 2011
Southern Lhasa	201	2	Zhu et al., 2011
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Southern Lhasa	92	2	Zhu et al., 2011
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Southern Lhasa	86	2	Zhu et al., 2011
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Southern Lhasa	52	3	Zhu et al., 2011
Southern Lhasa	82	3	Zhu et al., 2011

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Southern Lhasa	83	3	Zhu et al., 2011
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Southern Lhasa	192	3	Zhu et al., 2011
Southern Lhasa	191	3	Zhu et al., 2011
Southern Lhasa	191	3	Zhu et al., 2011
Southern Lhasa	192	3	Zhu et al., 2011
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Southern Lhasa	200	3	Zhu et al., 2011
Southern Lhasa	201	3	Zhu et al., 2011
Southern Lhasa	199	3	Zhu et al., 2011
Southern Lhasa	84	3	Zhu et al., 2011
Southern Lhasa	82	4	Zhu et al., 2011
Southern Lhasa	190	4	Zhu et al., 2011
Southern Lhasa	192	4	Zhu et al., 2011
Southern Lhasa	190	4	Zhu et al., 2011
Southern Lhasa	190	4	Zhu et al., 2011
Southern Lhasa	206	4	Zhu et al., 2011
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Southern Lhasa	203	5	Zhu et al., 2011
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Lesser Himalaya	1065	11	Gehrels et al., 2008
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Lesser Himalaya	1914	4	Gehrels et al., 2008
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Lesser Himalaya	1916	6	Gehrels et al., 2008
Lesser Himalaya	1917	6	Gehrels et al., 2008
Lesser Himalaya	1917	9	Gehrels et al., 2008
Lesser Himalaya	1917	6	Gehrels et al., 2008
Lesser Himalaya	1918	5	Gehrels et al., 2008
Lesser Himalaya	1919	3	Gehrels et al., 2008
Lesser Himalaya	1921	6	Gehrels et al., 2008
Lesser Himalaya	1922	6	Gehrels et al., 2008
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Lesser Himalaya	1923	6	Gehrels et al., 2008
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Lesser Himalaya	1925	4	Gehrels et al., 2008
Lesser Himalaya	1925	4	Gehrels et al., 2008
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Lesser Himalaya	1927	5	Gehrels et al., 2008
Lesser Himalaya	1927	4	Gehrels et al., 2008
Lesser Himalaya	1928	16	Gehrels et al., 2008
Lesser Himalaya	1928	5	Gehrels et al., 2008
Lesser Himalaya	1928	7	Gehrels et al., 2008
Lesser Himalaya	1928	10	Gehrels et al., 2008
Lesser Himalaya	1929	2	Gehrels et al., 2008
Lesser Himalaya	1929	2	Gehrels et al., 2008
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Lesser Himalaya	1932	4	Gehrels et al., 2008
Lesser Himalaya	1932	3	Gehrels et al., 2008
Lesser Himalaya	1933	16	Gehrels et al., 2008

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Lesser Himalaya	1933	4	Gehrels et al., 2008
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Lesser Himalaya	1935	2	Gehrels et al., 2008
Lesser Himalaya	1936	14	Gehrels et al., 2008
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Lesser Himalaya	1936	5	Gehrels et al., 2008
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Lesser Himalaya	1942	4	Gehrels et al., 2008
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Lesser Himalaya	1945	5	Gehrels et al., 2008
Lesser Himalaya	1946	6	Gehrels et al., 2008
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Lesser Himalaya	1955	6	Gehrels et al., 2008
Lesser Himalaya	1955	4	Gehrels et al., 2008
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Lesser Himalaya	1957	7	Gehrels et al., 2008
Lesser Himalaya	1957	5	Gehrels et al., 2008
Lesser Himalaya	1959	4	Gehrels et al., 2008
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Lesser Himalaya	1960	7	Gehrels et al., 2008
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Lesser Himalaya	1964	5	Gehrels et al., 2008
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Lesser Himalaya	1967	14	Gehrels et al., 2008
Lesser Himalaya	1968	4	Gehrels et al., 2008
Lesser Himalaya	1969	5	Gehrels et al., 2008
Lesser Himalaya	1969	5	Gehrels et al., 2008
Lesser Himalaya	1969	2	Gehrels et al., 2008
Lesser Himalaya	1969	7	Gehrels et al., 2008
Lesser Himalaya	1970	4	Gehrels et al., 2008
Lesser Himalaya	1971	4	Gehrels et al., 2008
Lesser Himalaya	1974	5	Gehrels et al., 2008
Lesser Himalaya	1976	22	Gehrels et al., 2008
Lesser Himalaya	1976	17	Gehrels et al., 2008
Lesser Himalaya	1976	28	Gehrels et al., 2008
Lesser Himalaya	1977	6	Gehrels et al., 2008

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Lesser Himalaya	1977	6	Gehrels et al., 2008
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Lesser Himalaya	1980	5	Gehrels et al., 2008
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Lesser Himalaya	2006	4	Gehrels et al., 2008
Lesser Himalaya	2006	5	Gehrels et al., 2008
Lesser Himalaya	2006	8	Gehrels et al., 2008
Lesser Himalaya	2006	6	Gehrels et al., 2008
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Lesser Himalaya	2046	4	Gehrels et al., 2008
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Lesser Himalaya	2085	9	Gehrels et al., 2008
Lesser Himalaya	2085	11	Gehrels et al., 2008
Lesser Himalaya	2087	3	Gehrels et al., 2008
Lesser Himalaya	2088	5	Gehrels et al., 2008
Lesser Himalaya	2100	10	Gehrels et al., 2008
Lesser Himalaya	2100	5	Gehrels et al., 2008
Lesser Himalaya	2101	2	Gehrels et al., 2008
Lesser Himalaya	2102	6	Gehrels et al., 2008

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Lesser Himalaya	2106	24	Gehrels et al., 2008
Lesser Himalaya	2108	2	Gehrels et al., 2008
Lesser Himalaya	2116	3	Gehrels et al., 2008
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Lesser Himalaya	2137	2	Gehrels et al., 2008
Lesser Himalaya	2138	2	Gehrels et al., 2008
Lesser Himalaya	2142	3	Gehrels et al., 2008
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Lesser Himalaya	2277	6	Gehrels et al., 2008
Lesser Himalaya	2280	4	Gehrels et al., 2008
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Lesser Himalaya	2368	3	Gehrels et al., 2008
Lesser Himalaya	2373	14	Gehrels et al., 2008
Lesser Himalaya	2375	3	Gehrels et al., 2008
Lesser Himalaya	2381	4	Gehrels et al., 2008
Lesser Himalaya	2392	4	Gehrels et al., 2008
Lesser Himalaya	2395	2	Gehrels et al., 2008
Lesser Himalaya	2397	3	Gehrels et al., 2008
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Lesser Himalaya	2434	14	Gehrels et al., 2008
Lesser Himalaya	2435	9	Gehrels et al., 2008
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Lesser Himalaya	2467	5	Gehrels et al., 2008
Lesser Himalaya	2468	6	Gehrels et al., 2008
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Lesser Himalaya	2671	3	Gehrels et al., 2008
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Lesser Himalaya	2779	3	Gehrels et al., 2008
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Lesser Himalaya	2788	2	Gehrels et al., 2008
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Greater Himalaya	640	14	Gehrels et al., 2008
Greater Himalaya	653	8	Gehrels et al., 2008
Greater Himalaya	663	8	Gehrels et al., 2008
Greater Himalaya	683	8	Gehrels et al., 2008
Greater Himalaya	693	41	Gehrels et al., 2008
Greater Himalaya	709	3	Gehrels et al., 2008
Greater Himalaya	710	9	Gehrels et al., 2008
Greater Himalaya	715	9	Gehrels et al., 2008
Greater Himalaya	718	9	Gehrels et al., 2008
Greater Himalaya	720	13	Gehrels et al., 2008
Greater Himalaya	727	38	Gehrels et al., 2008
Greater Himalaya	727	73	Gehrels et al., 2008
Greater Himalaya	728	21	Gehrels et al., 2008
Greater Himalaya	734	22	Gehrels et al., 2008
Greater Himalaya	747	75	Gehrels et al., 2008
Greater Himalaya	752	22	Gehrels et al., 2008
Greater Himalaya	752	56	Gehrels et al., 2008
Greater Himalaya	756	8	Gehrels et al., 2008
Greater Himalaya	757	76	Gehrels et al., 2008
Greater Himalaya	759	8	Gehrels et al., 2008
Greater Himalaya	767	9	Gehrels et al., 2008
Greater Himalaya	767	77	Gehrels et al., 2008

Greater Himalaya	770	29	Gehrels et al., 2008
Greater Himalaya	776	24	Gehrels et al., 2008
Greater Himalaya	789	19	Gehrels et al., 2008
Greater Himalaya	807	46	Gehrels et al., 2008
Greater Himalaya	808	10	Gehrels et al., 2008
Greater Himalaya	808	10	Gehrels et al., 2008
Greater Himalaya	813	12	Gehrels et al., 2008
Greater Himalaya	815	21	Gehrels et al., 2008
Greater Himalaya	816	4	Gehrels et al., 2008
Greater Himalaya	821	14	Gehrels et al., 2008
Greater Himalaya	831	9	Gehrels et al., 2008
Greater Himalaya	833	10	Gehrels et al., 2008
Greater Himalaya	833	26	Gehrels et al., 2008
Greater Himalaya	834	22	Gehrels et al., 2008
Greater Himalaya	843	55	Gehrels et al., 2008
Greater Himalaya	846	23	Gehrels et al., 2008
Greater Himalaya	848	6	Gehrels et al., 2008
Greater Himalaya	848	25	Gehrels et al., 2008
Greater Himalaya	850	33	Gehrels et al., 2008
Greater Himalaya	858	9	Gehrels et al., 2008
Greater Himalaya	862	41	Gehrels et al., 2008
Greater Himalaya	863	11	Gehrels et al., 2008
Greater Himalaya	864	13	Gehrels et al., 2008
Greater Himalaya	865	5	Gehrels et al., 2008
Greater Himalaya	866	8	Gehrels et al., 2008
Greater Himalaya	869	11	Gehrels et al., 2008
Greater Himalaya	870	35	Gehrels et al., 2008
Greater Himalaya	870	39	Gehrels et al., 2008
Greater Himalaya	871	42	Gehrels et al., 2008
Greater Himalaya	872	11	Gehrels et al., 2008
Greater Himalaya	873	23	Gehrels et al., 2008
Greater Himalaya	875	13	Gehrels et al., 2008
Greater Himalaya	876	7	Gehrels et al., 2008
Greater Himalaya	877	7	Gehrels et al., 2008
Greater Himalaya	879	14	Gehrels et al., 2008
Greater Himalaya	879	18	Gehrels et al., 2008
Greater Himalaya	884	21	Gehrels et al., 2008
Greater Himalaya	887	11	Gehrels et al., 2008
Greater Himalaya	888	20	Gehrels et al., 2008
Greater Himalaya	888	11	Gehrels et al., 2008
Greater Himalaya	888	17	Gehrels et al., 2008
Greater Himalaya	894	21	Gehrels et al., 2008
Greater Himalaya	894	11	Gehrels et al., 2008
Greater Himalaya	895	22	Gehrels et al., 2008
Greater Himalaya	895	10	Gehrels et al., 2008
Greater Himalaya	895	7	Gehrels et al., 2008
Greater Himalaya	898	12	Gehrels et al., 2008
Greater Himalaya	899	11	Gehrels et al., 2008
Greater Himalaya	899	4	Gehrels et al., 2008
Greater Himalaya	899	54	Gehrels et al., 2008
Greater Himalaya	900	22	Gehrels et al., 2008
Greater Himalaya	900	26	Gehrels et al., 2008
Greater Himalaya	902	5	Gehrels et al., 2008
Greater Himalaya	902	17	Gehrels et al., 2008
Greater Himalaya	905	11	Gehrels et al., 2008
Greater Himalaya	907	11	Gehrels et al., 2008
Greater Himalaya	908	11	Gehrels et al., 2008
Greater Himalaya	910	13	Gehrels et al., 2008
Greater Himalaya	910	7	Gehrels et al., 2008
Greater Himalaya	910	8	Gehrels et al., 2008
Greater Himalaya	912	21	Gehrels et al., 2008
Greater Himalaya	916	15	Gehrels et al., 2008
Greater Himalaya	916	19	Gehrels et al., 2008
Greater Himalaya	917	14	Gehrels et al., 2008
Greater Himalaya	918	13	Gehrels et al., 2008
Greater Himalaya	920	11	Gehrels et al., 2008
Greater Himalaya	922	4	Gehrels et al., 2008
Greater Himalaya	924	30	Gehrels et al., 2008
Greater Himalaya	924	21	Gehrels et al., 2008
Greater Himalaya	925	7	Gehrels et al., 2008
Greater Himalaya	925	30	Gehrels et al., 2008

Greater Himalaya	927	20	Gehrels et al., 2008
Greater Himalaya	930	13	Gehrels et al., 2008
Greater Himalaya	935	5	Gehrels et al., 2008
Greater Himalaya	936	21	Gehrels et al., 2008
Greater Himalaya	936	13	Gehrels et al., 2008
Greater Himalaya	939	25	Gehrels et al., 2008
Greater Himalaya	941	20	Gehrels et al., 2008
Greater Himalaya	942	11	Gehrels et al., 2008
Greater Himalaya	942	5	Gehrels et al., 2008
Greater Himalaya	946	21	Gehrels et al., 2008
Greater Himalaya	946	21	Gehrels et al., 2008
Greater Himalaya	947	10	Gehrels et al., 2008
Greater Himalaya	947	8	Gehrels et al., 2008
Greater Himalaya	950	11	Gehrels et al., 2008
Greater Himalaya	950	33	Gehrels et al., 2008
Greater Himalaya	950	19	Gehrels et al., 2008
Greater Himalaya	952	23	Gehrels et al., 2008
Greater Himalaya	953	35	Gehrels et al., 2008
Greater Himalaya	955	13	Gehrels et al., 2008
Greater Himalaya	956	6	Gehrels et al., 2008
Greater Himalaya	956	96	Gehrels et al., 2008
Greater Himalaya	958	5	Gehrels et al., 2008
Greater Himalaya	959	13	Gehrels et al., 2008
Greater Himalaya	962	25	Gehrels et al., 2008
Greater Himalaya	963	14	Gehrels et al., 2008
Greater Himalaya	964	21	Gehrels et al., 2008
Greater Himalaya	964	8	Gehrels et al., 2008
Greater Himalaya	968	12	Gehrels et al., 2008
Greater Himalaya	968	3	Gehrels et al., 2008
Greater Himalaya	970	15	Gehrels et al., 2008
Greater Himalaya	970	5	Gehrels et al., 2008
Greater Himalaya	971	11	Gehrels et al., 2008
Greater Himalaya	971	51	Gehrels et al., 2008
Greater Himalaya	972	23	Gehrels et al., 2008
Greater Himalaya	972	12	Gehrels et al., 2008
Greater Himalaya	973	11	Gehrels et al., 2008
Greater Himalaya	974	21	Gehrels et al., 2008
Greater Himalaya	976	13	Gehrels et al., 2008
Greater Himalaya	978	9	Gehrels et al., 2008
Greater Himalaya	982	21	Gehrels et al., 2008
Greater Himalaya	982	7	Gehrels et al., 2008
Greater Himalaya	982	43	Gehrels et al., 2008
Greater Himalaya	982	44	Gehrels et al., 2008
Greater Himalaya	986	30	Gehrels et al., 2008
Greater Himalaya	988	69	Gehrels et al., 2008
Greater Himalaya	988	10	Gehrels et al., 2008
Greater Himalaya	989	28	Gehrels et al., 2008
Greater Himalaya	990	12	Gehrels et al., 2008
Greater Himalaya	993	6	Gehrels et al., 2008
Greater Himalaya	994	37	Gehrels et al., 2008
Greater Himalaya	994	45	Gehrels et al., 2008
Greater Himalaya	999	15	Gehrels et al., 2008
Greater Himalaya	1002	14	Gehrels et al., 2008
Greater Himalaya	1002	32	Gehrels et al., 2008
Greater Himalaya	1004	12	Gehrels et al., 2008
Greater Himalaya	1005	79	Gehrels et al., 2008
Greater Himalaya	1006	23	Gehrels et al., 2008
Greater Himalaya	1010	21	Gehrels et al., 2008
Greater Himalaya	1011	21	Gehrels et al., 2008
Greater Himalaya	1012	21	Gehrels et al., 2008
Greater Himalaya	1013	19	Gehrels et al., 2008
Greater Himalaya	1015	20	Gehrels et al., 2008
Greater Himalaya	1017	17	Gehrels et al., 2008
Greater Himalaya	1018	20	Gehrels et al., 2008
Greater Himalaya	1019	21	Gehrels et al., 2008
Greater Himalaya	1019	34	Gehrels et al., 2008
Greater Himalaya	1019	50	Gehrels et al., 2008
Greater Himalaya	1023	8	Gehrels et al., 2008
Greater Himalaya	1024	22	Gehrels et al., 2008
Greater Himalaya	1027	20	Gehrels et al., 2008
Greater Himalaya	1027	23	Gehrels et al., 2008

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Greater Himalaya	1030	20	Gehrels et al., 2008
Greater Himalaya	1030	4	Gehrels et al., 2008
Greater Himalaya	1030	25	Gehrels et al., 2008
Greater Himalaya	1030	17	Gehrels et al., 2008
Greater Himalaya	1032	20	Gehrels et al., 2008
Greater Himalaya	1032	15	Gehrels et al., 2008
Greater Himalaya	1032	19	Gehrels et al., 2008
Greater Himalaya	1034	31	Gehrels et al., 2008
Greater Himalaya	1036	25	Gehrels et al., 2008
Greater Himalaya	1036	38	Gehrels et al., 2008
Greater Himalaya	1036	19	Gehrels et al., 2008
Greater Himalaya	1036	32	Gehrels et al., 2008
Greater Himalaya	1037	20	Gehrels et al., 2008
Greater Himalaya	1038	21	Gehrels et al., 2008
Greater Himalaya	1042	33	Gehrels et al., 2008
Greater Himalaya	1042	23	Gehrels et al., 2008
Greater Himalaya	1043	20	Gehrels et al., 2008
Greater Himalaya	1043	21	Gehrels et al., 2008
Greater Himalaya	1043	21	Gehrels et al., 2008
Greater Himalaya	1043	8	Gehrels et al., 2008
Greater Himalaya	1044	20	Gehrels et al., 2008
Greater Himalaya	1044	20	Gehrels et al., 2008
Greater Himalaya	1045	21	Gehrels et al., 2008
Greater Himalaya	1045	23	Gehrels et al., 2008
Greater Himalaya	1045	29	Gehrels et al., 2008
Greater Himalaya	1047	22	Gehrels et al., 2008
Greater Himalaya	1049	21	Gehrels et al., 2008
Greater Himalaya	1049	4	Gehrels et al., 2008
Greater Himalaya	1049	75	Gehrels et al., 2008
Greater Himalaya	1052	27	Gehrels et al., 2008
Greater Himalaya	1052	20	Gehrels et al., 2008
Greater Himalaya	1054	27	Gehrels et al., 2008
Greater Himalaya	1055	20	Gehrels et al., 2008
Greater Himalaya	1056	20	Gehrels et al., 2008
Greater Himalaya	1057	20	Gehrels et al., 2008
Greater Himalaya	1057	20	Gehrels et al., 2008
Greater Himalaya	1057	4	Gehrels et al., 2008
Greater Himalaya	1060	57	Gehrels et al., 2008
Greater Himalaya	1060	35	Gehrels et al., 2008
Greater Himalaya	1060	20	Gehrels et al., 2008
Greater Himalaya	1060	20	Gehrels et al., 2008
Greater Himalaya	1060	31	Gehrels et al., 2008
Greater Himalaya	1061	21	Gehrels et al., 2008
Greater Himalaya	1063	22	Gehrels et al., 2008
Greater Himalaya	1063	17	Gehrels et al., 2008
Greater Himalaya	1063	12	Gehrels et al., 2008
Greater Himalaya	1066	20	Gehrels et al., 2008
Greater Himalaya	1067	21	Gehrels et al., 2008
Greater Himalaya	1068	21	Gehrels et al., 2008
Greater Himalaya	1068	21	Gehrels et al., 2008
Greater Himalaya	1069	20	Gehrels et al., 2008
Greater Himalaya	1069	21	Gehrels et al., 2008
Greater Himalaya	1069	20	Gehrels et al., 2008
Greater Himalaya	1073	25	Gehrels et al., 2008
Greater Himalaya	1073	15	Gehrels et al., 2008
Greater Himalaya	1075	22	Gehrels et al., 2008
Greater Himalaya	1077	21	Gehrels et al., 2008
Greater Himalaya	1082	20	Gehrels et al., 2008
Greater Himalaya	1085	20	Gehrels et al., 2008
Greater Himalaya	1085	20	Gehrels et al., 2008
Greater Himalaya	1085	17	Gehrels et al., 2008
Greater Himalaya	1086	25	Gehrels et al., 2008
Greater Himalaya	1089	30	Gehrels et al., 2008
Greater Himalaya	1089	22	Gehrels et al., 2008
Greater Himalaya	1089	18	Gehrels et al., 2008
Greater Himalaya	1090	20	Gehrels et al., 2008
Greater Himalaya	1090	12	Gehrels et al., 2008
Greater Himalaya	1091	20	Gehrels et al., 2008
Greater Himalaya	1091	20	Gehrels et al., 2008
Greater Himalaya	1091	4	Gehrels et al., 2008

Greater Himalaya	1093	72	Gehrels et al., 2008
Greater Himalaya	1093	28	Gehrels et al., 2008
Greater Himalaya	1097	105	Gehrels et al., 2008
Greater Himalaya	1098	22	Gehrels et al., 2008
Greater Himalaya	1100	28	Gehrels et al., 2008
Greater Himalaya	1106	20	Gehrels et al., 2008
Greater Himalaya	1107	41	Gehrels et al., 2008
Greater Himalaya	1109	26	Gehrels et al., 2008
Greater Himalaya	1110	15	Gehrels et al., 2008
Greater Himalaya	1111	20	Gehrels et al., 2008
Greater Himalaya	1112	22	Gehrels et al., 2008
Greater Himalaya	1113	45	Gehrels et al., 2008
Greater Himalaya	1113	19	Gehrels et al., 2008
Greater Himalaya	1113	5	Gehrels et al., 2008
Greater Himalaya	1114	42	Gehrels et al., 2008
Greater Himalaya	1114	13	Gehrels et al., 2008
Greater Himalaya	1114	37	Gehrels et al., 2008
Greater Himalaya	1117	32	Gehrels et al., 2008
Greater Himalaya	1118	79	Gehrels et al., 2008
Greater Himalaya	1120	20	Gehrels et al., 2008
Greater Himalaya	1120	5	Gehrels et al., 2008
Greater Himalaya	1125	20	Gehrels et al., 2008
Greater Himalaya	1126	5	Gehrels et al., 2008
Greater Himalaya	1127	20	Gehrels et al., 2008
Greater Himalaya	1129	18	Gehrels et al., 2008
Greater Himalaya	1132	20	Gehrels et al., 2008
Greater Himalaya	1132	23	Gehrels et al., 2008
Greater Himalaya	1135	21	Gehrels et al., 2008
Greater Himalaya	1137	20	Gehrels et al., 2008
Greater Himalaya	1137	15	Gehrels et al., 2008
Greater Himalaya	1137	20	Gehrels et al., 2008
Greater Himalaya	1137	5	Gehrels et al., 2008
Greater Himalaya	1138	20	Gehrels et al., 2008
Greater Himalaya	1138	20	Gehrels et al., 2008
Greater Himalaya	1140	15	Gehrels et al., 2008
Greater Himalaya	1141	15	Gehrels et al., 2008
Greater Himalaya	1142	10	Gehrels et al., 2008
Greater Himalaya	1143	20	Gehrels et al., 2008
Greater Himalaya	1144	24	Gehrels et al., 2008
Greater Himalaya	1145	16	Gehrels et al., 2008
Greater Himalaya	1146	7	Gehrels et al., 2008
Greater Himalaya	1147	26	Gehrels et al., 2008
Greater Himalaya	1148	20	Gehrels et al., 2008
Greater Himalaya	1152	11	Gehrels et al., 2008
Greater Himalaya	1153	20	Gehrels et al., 2008
Greater Himalaya	1154	38	Gehrels et al., 2008
Greater Himalaya	1154	32	Gehrels et al., 2008
Greater Himalaya	1155	57	Gehrels et al., 2008
Greater Himalaya	1156	44	Gehrels et al., 2008
Greater Himalaya	1157	20	Gehrels et al., 2008
Greater Himalaya	1162	20	Gehrels et al., 2008
Greater Himalaya	1162	20	Gehrels et al., 2008
Greater Himalaya	1162	37	Gehrels et al., 2008
Greater Himalaya	1164	28	Gehrels et al., 2008
Greater Himalaya	1164	22	Gehrels et al., 2008
Greater Himalaya	1164	28	Gehrels et al., 2008
Greater Himalaya	1166	35	Gehrels et al., 2008
Greater Himalaya	1166	28	Gehrels et al., 2008
Greater Himalaya	1167	20	Gehrels et al., 2008
Greater Himalaya	1167	20	Gehrels et al., 2008
Greater Himalaya	1169	24	Gehrels et al., 2008
Greater Himalaya	1169	24	Gehrels et al., 2008
Greater Himalaya	1171	20	Gehrels et al., 2008
Greater Himalaya	1171	22	Gehrels et al., 2008
Greater Himalaya	1171	5	Gehrels et al., 2008
Greater Himalaya	1174	7	Gehrels et al., 2008
Greater Himalaya	1174	16	Gehrels et al., 2008
Greater Himalaya	1176	20	Gehrels et al., 2008
Greater Himalaya	1176	3	Gehrels et al., 2008
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Greater Himalaya	1178	17	Gehrels et al., 2008

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Greater Himalaya	1179	15	Gehrels et al., 2008
Greater Himalaya	1181	24	Gehrels et al., 2008
Greater Himalaya	1181	24	Gehrels et al., 2008
Greater Himalaya	1182	21	Gehrels et al., 2008
Greater Himalaya	1188	22	Gehrels et al., 2008
Greater Himalaya	1188	10	Gehrels et al., 2008
Greater Himalaya	1188	32	Gehrels et al., 2008
Greater Himalaya	1193	20	Gehrels et al., 2008
Greater Himalaya	1198	21	Gehrels et al., 2008
Greater Himalaya	1198	9	Gehrels et al., 2008
Greater Himalaya	1199	23	Gehrels et al., 2008
Greater Himalaya	1199	23	Gehrels et al., 2008
Greater Himalaya	1201	64	Gehrels et al., 2008
Greater Himalaya	1203	21	Gehrels et al., 2008
Greater Himalaya	1203	20	Gehrels et al., 2008
Greater Himalaya	1203	21	Gehrels et al., 2008
Greater Himalaya	1205	35	Gehrels et al., 2008
Greater Himalaya	1208	25	Gehrels et al., 2008
Greater Himalaya	1208	25	Gehrels et al., 2008
Greater Himalaya	1208	38	Gehrels et al., 2008
Greater Himalaya	1209	8	Gehrels et al., 2008
Greater Himalaya	1211	57	Gehrels et al., 2008
Greater Himalaya	1215	25	Gehrels et al., 2008
Greater Himalaya	1215	25	Gehrels et al., 2008
Greater Himalaya	1215	29	Gehrels et al., 2008
Greater Himalaya	1218	11	Gehrels et al., 2008
Greater Himalaya	1220	20	Gehrels et al., 2008
Greater Himalaya	1220	20	Gehrels et al., 2008
Greater Himalaya	1220	4	Gehrels et al., 2008
Greater Himalaya	1220	3	Gehrels et al., 2008
Greater Himalaya	1222	24	Gehrels et al., 2008
Greater Himalaya	1226	21	Gehrels et al., 2008
Greater Himalaya	1226	11	Gehrels et al., 2008
Greater Himalaya	1234	20	Gehrels et al., 2008
Greater Himalaya	1241	20	Gehrels et al., 2008
Greater Himalaya	1250	18	Gehrels et al., 2008
Greater Himalaya	1252	25	Gehrels et al., 2008
Greater Himalaya	1256	20	Gehrels et al., 2008
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Greater Himalaya	1258	36	Gehrels et al., 2008
Greater Himalaya	1261	21	Gehrels et al., 2008
Greater Himalaya	1261	24	Gehrels et al., 2008
Greater Himalaya	1261	21	Gehrels et al., 2008
Greater Himalaya	1261	13	Gehrels et al., 2008
Greater Himalaya	1269	41	Gehrels et al., 2008
Greater Himalaya	1269	36	Gehrels et al., 2008
Greater Himalaya	1271	42	Gehrels et al., 2008
Greater Himalaya	1271	9	Gehrels et al., 2008
Greater Himalaya	1271	37	Gehrels et al., 2008
Greater Himalaya	1273	55	Gehrels et al., 2008
Greater Himalaya	1274	23	Gehrels et al., 2008
Greater Himalaya	1274	11	Gehrels et al., 2008
Greater Himalaya	1282	20	Gehrels et al., 2008
Greater Himalaya	1288	22	Gehrels et al., 2008
Greater Himalaya	1292	22	Gehrels et al., 2008
Greater Himalaya	1292	10	Gehrels et al., 2008
Greater Himalaya	1293	4	Gehrels et al., 2008
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Greater Himalaya	1300	6	Gehrels et al., 2008
Greater Himalaya	1301	7	Gehrels et al., 2008
Greater Himalaya	1311	7	Gehrels et al., 2008
Greater Himalaya	1314	50	Gehrels et al., 2008
Greater Himalaya	1316	4	Gehrels et al., 2008
Greater Himalaya	1321	23	Gehrels et al., 2008
Greater Himalaya	1323	18	Gehrels et al., 2008
Greater Himalaya	1325	14	Gehrels et al., 2008
Greater Himalaya	1328	14	Gehrels et al., 2008
Greater Himalaya	1345	56	Gehrels et al., 2008
Greater Himalaya	1370	20	Gehrels et al., 2008
Greater Himalaya	1379	19	Gehrels et al., 2008

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Greater Himalaya	1383	20	Gehrels et al., 2008
Greater Himalaya	1383	15	Gehrels et al., 2008
Greater Himalaya	1394	21	Gehrels et al., 2008
Greater Himalaya	1395	3	Gehrels et al., 2008
Greater Himalaya	1401	21	Gehrels et al., 2008
Greater Himalaya	1401	21	Gehrels et al., 2008
Greater Himalaya	1402	42	Gehrels et al., 2008
Greater Himalaya	1408	10	Gehrels et al., 2008
Greater Himalaya	1415	55	Gehrels et al., 2008
Greater Himalaya	1415	52	Gehrels et al., 2008
Greater Himalaya	1415	16	Gehrels et al., 2008
Greater Himalaya	1415	4	Gehrels et al., 2008
Greater Himalaya	1417	26	Gehrels et al., 2008
Greater Himalaya	1440	36	Gehrels et al., 2008
Greater Himalaya	1440	30	Gehrels et al., 2008
Greater Himalaya	1450	126	Gehrels et al., 2008
Greater Himalaya	1452	20	Gehrels et al., 2008
Greater Himalaya	1460	7	Gehrels et al., 2008
Greater Himalaya	1468	20	Gehrels et al., 2008
Greater Himalaya	1468	20	Gehrels et al., 2008
Greater Himalaya	1485	26	Gehrels et al., 2008
Greater Himalaya	1489	11	Gehrels et al., 2008
Greater Himalaya	1497	19	Gehrels et al., 2008
Greater Himalaya	1497	5	Gehrels et al., 2008
Greater Himalaya	1509	28	Gehrels et al., 2008
Greater Himalaya	1511	19	Gehrels et al., 2008
Greater Himalaya	1511	19	Gehrels et al., 2008
Greater Himalaya	1511	6	Gehrels et al., 2008
Greater Himalaya	1517	19	Gehrels et al., 2008
Greater Himalaya	1517	19	Gehrels et al., 2008
Greater Himalaya	1518	49	Gehrels et al., 2008
Greater Himalaya	1539	24	Gehrels et al., 2008
Greater Himalaya	1539	15	Gehrels et al., 2008
Greater Himalaya	1542	19	Gehrels et al., 2008
Greater Himalaya	1544	15	Gehrels et al., 2008
Greater Himalaya	1548	10	Gehrels et al., 2008
Greater Himalaya	1549	19	Gehrels et al., 2008
Greater Himalaya	1549	4	Gehrels et al., 2008
Greater Himalaya	1551	21	Gehrels et al., 2008
Greater Himalaya	1551	9	Gehrels et al., 2008
Greater Himalaya	1554	8	Gehrels et al., 2008
Greater Himalaya	1556	6	Gehrels et al., 2008
Greater Himalaya	1573	19	Gehrels et al., 2008
Greater Himalaya	1573	19	Gehrels et al., 2008
Greater Himalaya	1574	3	Gehrels et al., 2008
Greater Himalaya	1586	16	Gehrels et al., 2008
Greater Himalaya	1589	6	Gehrels et al., 2008
Greater Himalaya	1594	19	Gehrels et al., 2008
Greater Himalaya	1594	4	Gehrels et al., 2008
Greater Himalaya	1595	16	Gehrels et al., 2008
Greater Himalaya	1607	20	Gehrels et al., 2008
Greater Himalaya	1607	20	Gehrels et al., 2008
Greater Himalaya	1609	38	Gehrels et al., 2008
Greater Himalaya	1610	23	Gehrels et al., 2008
Greater Himalaya	1610	13	Gehrels et al., 2008
Greater Himalaya	1615	7	Gehrels et al., 2008
Greater Himalaya	1621	12	Gehrels et al., 2008
Greater Himalaya	1625	10	Gehrels et al., 2008
Greater Himalaya	1626	9	Gehrels et al., 2008
Greater Himalaya	1629	6	Gehrels et al., 2008
Greater Himalaya	1630	44	Gehrels et al., 2008
Greater Himalaya	1639	6	Gehrels et al., 2008
Greater Himalaya	1641	5	Gehrels et al., 2008
Greater Himalaya	1641	15	Gehrels et al., 2008
Greater Himalaya	1641	13	Gehrels et al., 2008
Greater Himalaya	1652	20	Gehrels et al., 2008
Greater Himalaya	1652	10	Gehrels et al., 2008
Greater Himalaya	1653	12	Gehrels et al., 2008
Greater Himalaya	1657	19	Gehrels et al., 2008
Greater Himalaya	1657	4	Gehrels et al., 2008

Greater Himalaya	1662	64	Gehrels et al., 2008
Greater Himalaya	1663	80	Gehrels et al., 2008
Greater Himalaya	1664	13	Gehrels et al., 2008
Greater Himalaya	1664	8	Gehrels et al., 2008
Greater Himalaya	1666	21	Gehrels et al., 2008
Greater Himalaya	1666	19	Gehrels et al., 2008
Greater Himalaya	1666	49	Gehrels et al., 2008
Greater Himalaya	1666	21	Gehrels et al., 2008
Greater Himalaya	1666	19	Gehrels et al., 2008
Greater Himalaya	1667	19	Gehrels et al., 2008
Greater Himalaya	1669	12	Gehrels et al., 2008
Greater Himalaya	1673	14	Gehrels et al., 2008
Greater Himalaya	1682	81	Gehrels et al., 2008
Greater Himalaya	1690	5	Gehrels et al., 2008
Greater Himalaya	1691	12	Gehrels et al., 2008
Greater Himalaya	1694	19	Gehrels et al., 2008
Greater Himalaya	1696	8	Gehrels et al., 2008
Greater Himalaya	1698	28	Gehrels et al., 2008
Greater Himalaya	1704	18	Gehrels et al., 2008
Greater Himalaya	1706	29	Gehrels et al., 2008
Greater Himalaya	1707	21	Gehrels et al., 2008
Greater Himalaya	1707	19	Gehrels et al., 2008
Greater Himalaya	1707	11	Gehrels et al., 2008
Greater Himalaya	1707	4	Gehrels et al., 2008
Greater Himalaya	1715	8	Gehrels et al., 2008
Greater Himalaya	1745	19	Gehrels et al., 2008
Greater Himalaya	1745	19	Gehrels et al., 2008
Greater Himalaya	1747	9	Gehrels et al., 2008
Greater Himalaya	1751	20	Gehrels et al., 2008
Greater Himalaya	1752	19	Gehrels et al., 2008
Greater Himalaya	1754	12	Gehrels et al., 2008
Greater Himalaya	1759	4	Gehrels et al., 2008
Greater Himalaya	1760	24	Gehrels et al., 2008
Greater Himalaya	1762	5	Gehrels et al., 2008
Greater Himalaya	1777	8	Gehrels et al., 2008
Greater Himalaya	1782	22	Gehrels et al., 2008
Greater Himalaya	1782	12	Gehrels et al., 2008
Greater Himalaya	1787	18	Gehrels et al., 2008
Greater Himalaya	1791	19	Gehrels et al., 2008
Greater Himalaya	1791	19	Gehrels et al., 2008
Greater Himalaya	1807	8	Gehrels et al., 2008
Greater Himalaya	1813	23	Gehrels et al., 2008
Greater Himalaya	1814	33	Gehrels et al., 2008
Greater Himalaya	1814	33	Gehrels et al., 2008
Greater Himalaya	1815	24	Gehrels et al., 2008
Greater Himalaya	1831	18	Gehrels et al., 2008
Greater Himalaya	1832	18	Gehrels et al., 2008
Greater Himalaya	1843	6	Gehrels et al., 2008
Greater Himalaya	1851	35	Gehrels et al., 2008
Greater Himalaya	1853	8	Gehrels et al., 2008
Greater Himalaya	1870	11	Gehrels et al., 2008
Greater Himalaya	1889	16	Gehrels et al., 2008
Greater Himalaya	1900	18	Gehrels et al., 2008
Greater Himalaya	1900	5	Gehrels et al., 2008
Greater Himalaya	1904	3	Gehrels et al., 2008
Greater Himalaya	1905	18	Gehrels et al., 2008
Greater Himalaya	1905	5	Gehrels et al., 2008
Greater Himalaya	1914	7	Gehrels et al., 2008
Greater Himalaya	1962	18	Gehrels et al., 2008
Greater Himalaya	1969	19	Gehrels et al., 2008
Greater Himalaya	1982	18	Gehrels et al., 2008
Greater Himalaya	2017	20	Gehrels et al., 2008
Greater Himalaya	2017	9	Gehrels et al., 2008
Greater Himalaya	2028	18	Gehrels et al., 2008
Greater Himalaya	2062	3	Gehrels et al., 2008
Greater Himalaya	2072	18	Gehrels et al., 2008
Greater Himalaya	2072	6	Gehrels et al., 2008
Greater Himalaya	2075	16	Gehrels et al., 2008
Greater Himalaya	2109	19	Gehrels et al., 2008
Greater Himalaya	2109	7	Gehrels et al., 2008
Greater Himalaya	2122	23	Gehrels et al., 2008

Greater Himalaya	2123	18	Gehrels et al., 2008
Greater Himalaya	2199	11	Gehrels et al., 2008
Greater Himalaya	2234	17	Gehrels et al., 2008
Greater Himalaya	2309	19	Gehrels et al., 2008
Greater Himalaya	2319	21	Gehrels et al., 2008
Greater Himalaya	2319	13	Gehrels et al., 2008
Greater Himalaya	2338	17	Gehrels et al., 2008
Greater Himalaya	2359	4	Gehrels et al., 2008
Greater Himalaya	2361	17	Gehrels et al., 2008
Greater Himalaya	2384	17	Gehrels et al., 2008
Greater Himalaya	2388	6	Gehrels et al., 2008
Greater Himalaya	2403	11	Gehrels et al., 2008
Greater Himalaya	2407	26	Gehrels et al., 2008
Greater Himalaya	2412	8	Gehrels et al., 2008
Greater Himalaya	2413	5	Gehrels et al., 2008
Greater Himalaya	2422	4	Gehrels et al., 2008
Greater Himalaya	2426	11	Gehrels et al., 2008
Greater Himalaya	2435	18	Gehrels et al., 2008
Greater Himalaya	2439	21	Gehrels et al., 2008
Greater Himalaya	2439	12	Gehrels et al., 2008
Greater Himalaya	2441	21	Gehrels et al., 2008
Greater Himalaya	2441	5	Gehrels et al., 2008
Greater Himalaya	2441	13	Gehrels et al., 2008
Greater Himalaya	2442	32	Gehrels et al., 2008
Greater Himalaya	2449	18	Gehrels et al., 2008
Greater Himalaya	2451	17	Gehrels et al., 2008
Greater Himalaya	2451	5	Gehrels et al., 2008
Greater Himalaya	2455	6	Gehrels et al., 2008
Greater Himalaya	2456	17	Gehrels et al., 2008
Greater Himalaya	2456	17	Gehrels et al., 2008
Greater Himalaya	2456	18	Gehrels et al., 2008
Greater Himalaya	2458	18	Gehrels et al., 2008
Greater Himalaya	2464	17	Gehrels et al., 2008
Greater Himalaya	2469	3	Gehrels et al., 2008
Greater Himalaya	2471	17	Gehrels et al., 2008
Greater Himalaya	2471	4	Gehrels et al., 2008
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Greater Himalaya	2488	5	Gehrels et al., 2008
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Greater Himalaya	2496	17	Gehrels et al., 2008
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Greater Himalaya	2511	11	Gehrels et al., 2008
Greater Himalaya	2517	11	Gehrels et al., 2008
Greater Himalaya	2520	17	Gehrels et al., 2008
Greater Himalaya	2520	6	Gehrels et al., 2008
Greater Himalaya	2521	17	Gehrels et al., 2008
Greater Himalaya	2521	17	Gehrels et al., 2008
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Greater Himalaya	2528	6	Gehrels et al., 2008
Greater Himalaya	2529	17	Gehrels et al., 2008
Greater Himalaya	2532	17	Gehrels et al., 2008
Greater Himalaya	2532	5	Gehrels et al., 2008
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Greater Himalaya	2534	5	Gehrels et al., 2008
Greater Himalaya	2536	23	Gehrels et al., 2008
Greater Himalaya	2537	17	Gehrels et al., 2008
Greater Himalaya	2537	17	Gehrels et al., 2008
Greater Himalaya	2537	17	Gehrels et al., 2008
Greater Himalaya	2539	17	Gehrels et al., 2008
Greater Himalaya	2539	17	Gehrels et al., 2008
Greater Himalaya	2541	21	Gehrels et al., 2008
Greater Himalaya	2542	17	Gehrels et al., 2008

Greater Himalaya	2542	17	Gehrels et al., 2008
Greater Himalaya	2542	17	Gehrels et al., 2008
Greater Himalaya	2543	17	Gehrels et al., 2008
Greater Himalaya	2543	17	Gehrels et al., 2008
Greater Himalaya	2544	12	Gehrels et al., 2008
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Greater Himalaya	2551	17	Gehrels et al., 2008
Greater Himalaya	2551	4	Gehrels et al., 2008
Greater Himalaya	2559	10	Gehrels et al., 2008
Greater Himalaya	2560	17	Gehrels et al., 2008
Greater Himalaya	2560	4	Gehrels et al., 2008
Greater Himalaya	2564	17	Gehrels et al., 2008
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Greater Himalaya	2579	14	Gehrels et al., 2008
Greater Himalaya	2584	17	Gehrels et al., 2008
Greater Himalaya	2591	17	Gehrels et al., 2008
Greater Himalaya	2591	17	Gehrels et al., 2008
Greater Himalaya	2610	17	Gehrels et al., 2008
Greater Himalaya	2615	17	Gehrels et al., 2008
Greater Himalaya	2615	6	Gehrels et al., 2008
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Greater Himalaya	2625	20	Gehrels et al., 2008
Greater Himalaya	2632	3	Gehrels et al., 2008
Greater Himalaya	2632	15	Gehrels et al., 2008
Greater Himalaya	2637	17	Gehrels et al., 2008
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Greater Himalaya	2640	17	Gehrels et al., 2008
Greater Himalaya	2640	4	Gehrels et al., 2008
Greater Himalaya	2641	17	Gehrels et al., 2008
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Greater Himalaya	2648	24	Gehrels et al., 2008
Greater Himalaya	2648	24	Gehrels et al., 2008
Greater Himalaya	2662	7	Gehrels et al., 2008
Greater Himalaya	2667	18	Gehrels et al., 2008
Greater Himalaya	2669	6	Gehrels et al., 2008
Greater Himalaya	2685	19	Gehrels et al., 2008
Greater Himalaya	2695	23	Gehrels et al., 2008
Greater Himalaya	2695	16	Gehrels et al., 2008
Greater Himalaya	2707	6	Gehrels et al., 2008
Greater Himalaya	2725	17	Gehrels et al., 2008
Greater Himalaya	2735	10	Gehrels et al., 2008
Greater Himalaya	2738	3	Gehrels et al., 2008
Greater Himalaya	2744	17	Gehrels et al., 2008
Greater Himalaya	2744	6	Gehrels et al., 2008
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Greater Himalaya	2753	16	Gehrels et al., 2008
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Greater Himalaya	2834	16	Gehrels et al., 2008
Greater Himalaya	2834	4	Gehrels et al., 2008
Greater Himalaya	2862	8	Gehrels et al., 2008
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Greater Himalaya	2920	15	Gehrels et al., 2008
Greater Himalaya	2953	18	Gehrels et al., 2008
Greater Himalaya	2953	8	Gehrels et al., 2008
Greater Himalaya	2960	16	Gehrels et al., 2008
Greater Himalaya	2977	16	Gehrels et al., 2008
Greater Himalaya	2977	6	Gehrels et al., 2008
Greater Himalaya	3023	18	Gehrels et al., 2008
Greater Himalaya	3051	16	Gehrels et al., 2008
Greater Himalaya	3051	7	Gehrels et al., 2008
Greater Himalaya	3121	16	Gehrels et al., 2008
Greater Himalaya	3175	16	Gehrels et al., 2008
Greater Himalaya	3175	16	Gehrels et al., 2008
Greater Himalaya	3212	9	Gehrels et al., 2008
Greater Himalaya	3221	16	Gehrels et al., 2008

Greater Himalaya	3221	7	Gehrels et al., 2008
Greater Himalaya	3262	12	Gehrels et al., 2008
Greater Himalaya	3264	16	Gehrels et al., 2008
Greater Himalaya	3308	1	Gehrels et al., 2008
Greater Himalaya	3446	19	Gehrels et al., 2008
Greater Himalaya	3446	11	Gehrels et al., 2008
Greater Himalaya	3457	16	Gehrels et al., 2008
Greater Himalaya	3457	5	Gehrels et al., 2008
Greater Himalaya	3463	16	Gehrels et al., 2008
Greater Himalaya	3463	16	Gehrels et al., 2008
Greater Himalaya	3499	2	Gehrels et al., 2008
Greater Himalaya	3943	15	Gehrels et al., 2008
Greater Himalaya	3976	15	Gehrels et al., 2008
Greater Himalaya	4760	15	Gehrels et al., 2008
Tethys Himalaya	420	15	Gehrels et al., 2008
Tethys Himalaya	474	15	Gehrels et al., 2008
Tethys Himalaya	481	10	Gehrels et al., 2008
Tethys Himalaya	484	7	Gehrels et al., 2008
Tethys Himalaya	485	8	Gehrels et al., 2008
Tethys Himalaya	485	6	Gehrels et al., 2008
Tethys Himalaya	485	8	Gehrels et al., 2008
Tethys Himalaya	486	6	Gehrels et al., 2008
Tethys Himalaya	486	8	Gehrels et al., 2008
Tethys Himalaya	489	4	Gehrels et al., 2008
Tethys Himalaya	490	9	Gehrels et al., 2008
Tethys Himalaya	490	6	Gehrels et al., 2008
Tethys Himalaya	491	14	Gehrels et al., 2008
Tethys Himalaya	491	5	Gehrels et al., 2008
Tethys Himalaya	495	12	Gehrels et al., 2008
Tethys Himalaya	495	9	Gehrels et al., 2008
Tethys Himalaya	495	13	Gehrels et al., 2008
Tethys Himalaya	496	7	Gehrels et al., 2008
Tethys Himalaya	496	6	Gehrels et al., 2008
Tethys Himalaya	496	5	Gehrels et al., 2008
Tethys Himalaya	496	7	Gehrels et al., 2008
Tethys Himalaya	496	4	Gehrels et al., 2008
Tethys Himalaya	497	11	Gehrels et al., 2008
Tethys Himalaya	497	6	Gehrels et al., 2008
Tethys Himalaya	497	4	Gehrels et al., 2008
Tethys Himalaya	497	6	Gehrels et al., 2008
Tethys Himalaya	498	6	Gehrels et al., 2008
Tethys Himalaya	499	7	Gehrels et al., 2008
Tethys Himalaya	500	13	Gehrels et al., 2008
Tethys Himalaya	501	11	Gehrels et al., 2008
Tethys Himalaya	502	6	Gehrels et al., 2008
Tethys Himalaya	504	6	Gehrels et al., 2008
Tethys Himalaya	504	29	Gehrels et al., 2008
Tethys Himalaya	504	10	Gehrels et al., 2008
Tethys Himalaya	504	12	Gehrels et al., 2008
Tethys Himalaya	504	17	Gehrels et al., 2008
Tethys Himalaya	505	11	Gehrels et al., 2008
Tethys Himalaya	506	8	Gehrels et al., 2008
Tethys Himalaya	506	5	Gehrels et al., 2008
Tethys Himalaya	508	6	Gehrels et al., 2008
Tethys Himalaya	508	8	Gehrels et al., 2008
Tethys Himalaya	509	6	Gehrels et al., 2008
Tethys Himalaya	510	11	Gehrels et al., 2008
Tethys Himalaya	510	13	Gehrels et al., 2008
Tethys Himalaya	511	9	Gehrels et al., 2008
Tethys Himalaya	511	18	Gehrels et al., 2008
Tethys Himalaya	514	6	Gehrels et al., 2008
Tethys Himalaya	514	8	Gehrels et al., 2008
Tethys Himalaya	515	8	Gehrels et al., 2008
Tethys Himalaya	515	7	Gehrels et al., 2008
Tethys Himalaya	516	7	Gehrels et al., 2008
Tethys Himalaya	516	12	Gehrels et al., 2008
Tethys Himalaya	516	12	Gehrels et al., 2008
Tethys Himalaya	516	4	Gehrels et al., 2008
Tethys Himalaya	517	14	Gehrels et al., 2008
Tethys Himalaya	518	6	Gehrels et al., 2008
Tethys Himalaya	519	10	Gehrels et al., 2008

Tethys Himalaya	519	9	Gehrels et al., 2008
Tethys Himalaya	519	6	Gehrels et al., 2008
Tethys Himalaya	520	8	Gehrels et al., 2008
Tethys Himalaya	521	5	Gehrels et al., 2008
Tethys Himalaya	521	13	Gehrels et al., 2008
Tethys Himalaya	522	10	Gehrels et al., 2008
Tethys Himalaya	522	31	Gehrels et al., 2008
Tethys Himalaya	523	10	Gehrels et al., 2008
Tethys Himalaya	524	12	Gehrels et al., 2008
Tethys Himalaya	524	11	Gehrels et al., 2008
Tethys Himalaya	524	9	Gehrels et al., 2008
Tethys Himalaya	524	6	Gehrels et al., 2008
Tethys Himalaya	524	6	Gehrels et al., 2008
Tethys Himalaya	525	13	Gehrels et al., 2008
Tethys Himalaya	525	7	Gehrels et al., 2008
Tethys Himalaya	525	8	Gehrels et al., 2008
Tethys Himalaya	526	12	Gehrels et al., 2008
Tethys Himalaya	526	12	Gehrels et al., 2008
Tethys Himalaya	526	12	Gehrels et al., 2008
Tethys Himalaya	527	6	Gehrels et al., 2008
Tethys Himalaya	527	9	Gehrels et al., 2008
Tethys Himalaya	527	10	Gehrels et al., 2008
Tethys Himalaya	528	6	Gehrels et al., 2008
Tethys Himalaya	528	12	Gehrels et al., 2008
Tethys Himalaya	529	7	Gehrels et al., 2008
Tethys Himalaya	529	11	Gehrels et al., 2008
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Tethys Himalaya	531	14	Gehrels et al., 2008
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Tethys Himalaya	532	12	Gehrels et al., 2008
Tethys Himalaya	532	5	Gehrels et al., 2008
Tethys Himalaya	532	13	Gehrels et al., 2008
Tethys Himalaya	533	7	Gehrels et al., 2008
Tethys Himalaya	534	13	Gehrels et al., 2008
Tethys Himalaya	535	5	Gehrels et al., 2008
Tethys Himalaya	535	9	Gehrels et al., 2008
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Tethys Himalaya	536	4	Gehrels et al., 2008
Tethys Himalaya	537	7	Gehrels et al., 2008
Tethys Himalaya	539	12	Gehrels et al., 2008
Tethys Himalaya	539	6	Gehrels et al., 2008
Tethys Himalaya	540	11	Gehrels et al., 2008
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Tethys Himalaya	542	11	Gehrels et al., 2008
Tethys Himalaya	542	7	Gehrels et al., 2008
Tethys Himalaya	545	12	Gehrels et al., 2008
Tethys Himalaya	546	8	Gehrels et al., 2008
Tethys Himalaya	546	7	Gehrels et al., 2008
Tethys Himalaya	549	10	Gehrels et al., 2008
Tethys Himalaya	550	7	Gehrels et al., 2008
Tethys Himalaya	551	6	Gehrels et al., 2008
Tethys Himalaya	552	12	Gehrels et al., 2008
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Tethys Himalaya	562	6	Gehrels et al., 2008
Tethys Himalaya	563	24	Gehrels et al., 2008
Tethys Himalaya	564	14	Gehrels et al., 2008
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Tethys Himalaya	568	22	Gehrels et al., 2008
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Tethys Himalaya	581	8	Gehrels et al., 2008
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Tethys Himalaya	596	14	Gehrels et al., 2008
Tethys Himalaya	596	18	Gehrels et al., 2008
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Tethys Himalaya	607	7	Gehrels et al., 2008
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Tethys Himalaya	609	8	Gehrels et al., 2008
Tethys Himalaya	614	12	Gehrels et al., 2008
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Tethys Himalaya	620	14	Gehrels et al., 2008
Tethys Himalaya	622	9	Gehrels et al., 2008
Tethys Himalaya	626	5	Gehrels et al., 2008
Tethys Himalaya	627	17	Gehrels et al., 2008
Tethys Himalaya	632	13	Gehrels et al., 2008
Tethys Himalaya	634	13	Gehrels et al., 2008
Tethys Himalaya	637	18	Gehrels et al., 2008
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Tethys Himalaya	643	15	Gehrels et al., 2008
Tethys Himalaya	645	16	Gehrels et al., 2008
Tethys Himalaya	646	32	Gehrels et al., 2008
Tethys Himalaya	652	6	Gehrels et al., 2008
Tethys Himalaya	653	15	Gehrels et al., 2008
Tethys Himalaya	654	26	Gehrels et al., 2008
Tethys Himalaya	654	5	Gehrels et al., 2008
Tethys Himalaya	657	8	Gehrels et al., 2008
Tethys Himalaya	659	7	Gehrels et al., 2008
Tethys Himalaya	659	5	Gehrels et al., 2008
Tethys Himalaya	669	6	Gehrels et al., 2008
Tethys Himalaya	669	4	Gehrels et al., 2008
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Tethys Himalaya	746	4	Gehrels et al., 2008
Tethys Himalaya	747	26	Gehrels et al., 2008
Tethys Himalaya	751	9	Gehrels et al., 2008
Tethys Himalaya	752	4	Gehrels et al., 2008
Tethys Himalaya	754	11	Gehrels et al., 2008
Tethys Himalaya	756	20	Gehrels et al., 2008
Tethys Himalaya	759	11	Gehrels et al., 2008
Tethys Himalaya	761	59	Gehrels et al., 2008
Tethys Himalaya	762	10	Gehrels et al., 2008
Tethys Himalaya	763	9	Gehrels et al., 2008
Tethys Himalaya	764	10	Gehrels et al., 2008
Tethys Himalaya	769	15	Gehrels et al., 2008
Tethys Himalaya	770	29	Gehrels et al., 2008
Tethys Himalaya	770	31	Gehrels et al., 2008
Tethys Himalaya	770	5	Gehrels et al., 2008

Tethys Himalaya	771	10	Gehrels et al., 2008
Tethys Himalaya	772	4	Gehrels et al., 2008
Tethys Himalaya	773	29	Gehrels et al., 2008
Tethys Himalaya	773	9	Gehrels et al., 2008
Tethys Himalaya	778	10	Gehrels et al., 2008
Tethys Himalaya	780	20	Gehrels et al., 2008
Tethys Himalaya	780	18	Gehrels et al., 2008
Tethys Himalaya	780	6	Gehrels et al., 2008
Tethys Himalaya	785	24	Gehrels et al., 2008
Tethys Himalaya	785	7	Gehrels et al., 2008
Tethys Himalaya	786	5	Gehrels et al., 2008
Tethys Himalaya	789	6	Gehrels et al., 2008
Tethys Himalaya	789	7	Gehrels et al., 2008
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Tethys Himalaya	794	9	Gehrels et al., 2008
Tethys Himalaya	795	6	Gehrels et al., 2008
Tethys Himalaya	796	18	Gehrels et al., 2008
Tethys Himalaya	796	14	Gehrels et al., 2008
Tethys Himalaya	797	21	Gehrels et al., 2008
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Tethys Himalaya	812	4	Gehrels et al., 2008
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Tethys Himalaya	814	5	Gehrels et al., 2008
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Tethys Himalaya	816	10	Gehrels et al., 2008
Tethys Himalaya	816	5	Gehrels et al., 2008
Tethys Himalaya	819	12	Gehrels et al., 2008
Tethys Himalaya	821	26	Gehrels et al., 2008
Tethys Himalaya	821	11	Gehrels et al., 2008
Tethys Himalaya	821	7	Gehrels et al., 2008
Tethys Himalaya	823	15	Gehrels et al., 2008
Tethys Himalaya	826	22	Gehrels et al., 2008
Tethys Himalaya	827	13	Gehrels et al., 2008
Tethys Himalaya	829	18	Gehrels et al., 2008
Tethys Himalaya	829	11	Gehrels et al., 2008
Tethys Himalaya	831	11	Gehrels et al., 2008
Tethys Himalaya	832	10	Gehrels et al., 2008
Tethys Himalaya	832	30	Gehrels et al., 2008
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Tethys Himalaya	835	4	Gehrels et al., 2008
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Tethys Himalaya	837	4	Gehrels et al., 2008
Tethys Himalaya	838	5	Gehrels et al., 2008
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Tethys Himalaya	846	29	Gehrels et al., 2008
Tethys Himalaya	846	12	Gehrels et al., 2008
Tethys Himalaya	846	8	Gehrels et al., 2008
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Tethys Himalaya	863	20	Gehrels et al., 2008
Tethys Himalaya	864	20	Gehrels et al., 2008

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Tethys Himalaya	874	12	Gehrels et al., 2008
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Tethys Himalaya	878	16	Gehrels et al., 2008
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Tethys Himalaya	879	8	Gehrels et al., 2008
Tethys Himalaya	880	12	Gehrels et al., 2008
Tethys Himalaya	881	14	Gehrels et al., 2008
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Tethys Himalaya	950	6	Gehrels et al., 2008
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Tethys Himalaya	967	9	Gehrels et al., 2008
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Tethys Himalaya	968	14	Gehrels et al., 2008
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Tethys Himalaya	1017	22	Gehrels et al., 2008
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Tethys Himalaya	1079	4	Gehrels et al., 2008
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Tethys Himalaya	1087	20	Gehrels et al., 2008
Tethys Himalaya	1087	6	Gehrels et al., 2008
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Tethys Himalaya	1088	12	Gehrels et al., 2008
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Tethys Himalaya	1101	13	Gehrels et al., 2008
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Tethys Himalaya	1265	20	Gehrels et al., 2008
Tethys Himalaya	1267	20	Gehrels et al., 2008
Tethys Himalaya	1267	32	Gehrels et al., 2008
Tethys Himalaya	1272	16	Gehrels et al., 2008
Tethys Himalaya	1274	20	Gehrels et al., 2008
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Tethys Himalaya	1332	21	Gehrels et al., 2008
Tethys Himalaya	1333	16	Gehrels et al., 2008
Tethys Himalaya	1335	20	Gehrels et al., 2008
Tethys Himalaya	1338	26	Gehrels et al., 2008
Tethys Himalaya	1341	33	Gehrels et al., 2008
Tethys Himalaya	1346	12	Gehrels et al., 2008
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Tethys Himalaya	1352	5	Gehrels et al., 2008
Tethys Himalaya	1356	25	Gehrels et al., 2008
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Tethys Himalaya	1365	18	Gehrels et al., 2008
Tethys Himalaya	1368	17	Gehrels et al., 2008
Tethys Himalaya	1370	20	Gehrels et al., 2008
Tethys Himalaya	1372	21	Gehrels et al., 2008
Tethys Himalaya	1376	8	Gehrels et al., 2008
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Tethys Himalaya	1381	20	Gehrels et al., 2008
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Tethys Himalaya	1398	20	Gehrels et al., 2008
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Tethys Himalaya	1496	20	Gehrels et al., 2008
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Tethys Himalaya	1628	19	Gehrels et al., 2008
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Tethys Himalaya	2545	24	Gehrels et al., 2008
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Tethys Himalaya	2687	8	Gehrels et al., 2008
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Tethys Himalaya	3755	5	Gehrels et al., 2008
Tethys Himalaya	3785	15	Gehrels et al., 2008
Tethys Himalaya	4042	6	Gehrels et al., 2008
Tethys Himalaya	4082	6	Gehrels et al., 2008

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DR2: ANALYTICAL AND NUMERICAL METHODS

DR2a: Zircon U-Pb dating methods

Six medium-grained sandstones were selected at regular intervals throughout the Dungsam Chu section of Siwalik sedimentary rocks (SJ1b, SJ2, SJ4, SJ6b, SJ9 and SJ12) and analyzed at GRPG, Nancy (France). Two further samples of similar grain size were selected once the change in provenance had been detected, within the relevant gap (i.e. between samples SJ6b and SJ9, where the change in provenance is observed). These samples were analyzed at NIGL, Keyworth (UK).

Prior to analysis, samples were dried and sieved to extract the <500-µm fraction at Lancaster University. Heavy minerals were extracted at NIGL, BGS Keyworth (UK) by wet separation on a Haultain superpanner, and di-iodomethane heavy liquid (with a density of 3.3). Magnetic separation was kept to a minimum to avoid biasing mineral populations. Zircon grains were handpicked, taking special care to select all grain types with respect to morphology, color and grain size, within a particular fraction of the separate. The zircons were mounted in epoxy, polished and photographed to help identify the analyzed grains. They were also imaged by cathodo-luminescence using an FEI Scanning Electron Microscope to ensure suitable areas were targeted during analysis. Each analysis corresponds to a different zircon grain.

The zircons mounts of samples SJ1b, SJ2, SJ4, SJ6b, SJ9 and SJ12, were subsequently gold-plated at CRPG, Nancy (France). U-Pb zircon dating for these samples was performed using the CAMECA IMS 1270 E7 ion microprobe facility at CRPG. The analyzed masses were: 203.5 (background noise, measured for 4 sec), Zr_2O (4 sec), ^{204}Pb (8 sec), ^{206}Pb (4 sec), ^{207}Pb (16 sec), ^{208}Pb (4 sec), ^{238}U (4 sec), $^{238}U^{16}O$ (3 sec) and $^{238}U^{16}O_2$ (3 sec). Counting was performed in mono-collection using an electron multiplier. Each analysis consists of 12 or 16 iterative cycles over each mass. The mass resolution was about 6000, which is sufficient to separate the molecular interferences. The primary current was ca. 5 nA using the duoplasmatron (oxygen source). The O^{2-} primary beam is a projected beam of about 20 µm in diameter (corresponding to the projection of a diaphragm of 200 µm). Before each measurement, there is a 120-second pre-sputtering with a 10 µm x 10 µm raster, a centering of the secondary beam within the field aperture, the contrast aperture and the energy slit and a centering of the mass on Zr_2O.

The zircon reference material 91500, with an age of 1064 Ma (Wiedenbeck et al., 1995), was analyzed at regular intervals and was used for determination of the correlation line between $^{206}Pb/^{238}U$ and UO/U in order to correct data for instrumental fractionation. The age calculations were based on the isotope ratios corrected for background noise and common lead (using ^{204}Pb). The U and Pb abundances are calculated on the basis of the Zr_2O and UO correlation for the standard, and the isotope ratio $^{238}U/^{206}Pb$. The $^{207}Pb/^{206}Pb$ ratio is directly derived from each spot analysis.

U-Pb dating of zircons from samples SJ7 and SJ8 was performed using a Nu Instruments AttoM single-collector inductively coupled plasma mass spectrometer (SC-ICP-MS). The instrument was tuned such that oxides of U and Th represented less than 0.4% of the signal obtained from the metal ion peaks. The Nu AttoM SC-ICP-MS was used in peak-jumping mode with measurement on a MassCom secondary electron multiplier. The analyzed masses in each sweep were: ^{202}Hg, ^{204}Pb+Hg, ^{206}Pb, ^{207}Pb, and ^{235}U. Each data integration records 100 sweeps of the measured masses, which roughly equates to 0.22 seconds. Dwell times on each mass are 400 µs on ^{207}Pb and ^{235}U, and 200 µs on all other masses; the switching between masses takes 40µs. ^{238}U is calculated using $^{238}U/^{235}U$ = 137.818. Laser ablation was performed with a NewWave UP193SS solid-state laser ablation system. Ablation parameters were optimized to suit the Pb and U contents of the material and parameters adopted were a frequency of 10 Hz, with a fluence of 1.8 to 2.5 J/cm^2, a 30 second ablation time, and a 25-µm spot size. Three zircon reference materials (91500, GJ-1 and Plesovice; Jackson et al., 2004; Sláma et al., 2008; Wiedenbeck et al., 1995) were analyzed at regular intervals in order to correct data for instrumental fractionation. The average bias of the $^{207}Pb/^{206}Pb$ and $^{206}Pb/^{238}U$ ratios from preferred values derived by TIMS analysis are used for normalization. $^{206}Pb/^{238}U$ and $^{207}Pb/^{206}Pb$ uncertainties were propagated in the manner advocated by Horstwood (2008), utilizing the measurement uncertainty and the reproducibility of the ablation reference material used.

For the two sets of samples, respective in-house Excel spreadsheets were used for data reduction and error propagation, and Density Plotter (Vermeesch, 2012) was used for data presentation. Data reduction was undertaken with the age filters summarized in the following screening procedure table.

Table: Data screening procedure

1	Failed	Discarded
2	$^{206}Pb/^{238}U$ age > 100 Ma, uncertainty >10%	Discarded
3	> 10% discordant	Discarded
4	$^{206}Pb/^{238}U$ age 100 – 1200 Ma, >5% discordant	Discarded
5	Young grain - $^{206}Pb/^{238}U$ age < 100 Ma, < 10% discordant	$^{206}Pb/^{238}U$ age used
6	$^{206}Pb/^{238}U$ age 100 – 1200 Ma, < 5% discordant	$^{206}Pb/^{238}U$ age used
7	$^{206}Pb/^{238}U$ age > 1200 Ma, < 10% discordant	$^{207}Pb/^{206}Pb$ age used

Concordant ages within the limits defined in this table were accepted. It is important to consider that young zircon grains contain low levels of radiogenic Pb, which means that even low levels of common

Pb may lead to discordance. Many of the young analyzed grains in this study have been discarded in order for robustness of the ages to prevail. Data are presented in DR 3-6. Concordia diagrams for each sample are presented in Figure DR2a-1, below.

Dr2b: Rutile U-Pb dating method

Prior to analysis, the sample was dried, sieved (fraction < 500 µm) and washed with tap water at Lancaster University. Heavy minerals were extracted by wet separation on a Haultain superpanner, standard di-iodomethane heavy liquid (density of 3.3), and magnetic separation, which was kept to a minimum to avoid biasing mineral populations, at the NERC Isotope Geosciences Laboratory, Keyworth, UK (NIGL). Rutile grains were hand-picked, taking special care to select all grain types with respect to morphology, colour and grain size, within a particular fraction of the separate.

The rutiles were mounted in epoxy, polished, and photographed to help identify the analysed grains. U-Pb rutile dating was performed using a Nu Instruments AttoM single-collector inductively coupled plasma mass spectrometer (SC-ICP-MS) at NIGL. The instrument was tuned to ensure that ThO and UO were less than 0.4%. The Nu Attom SC-ICP-MS was used in peak-jumping mode with measurement on a MassCom secondary electron multiplier. The analysed masses in each sweep were: ^{202}Hg, ^{204}Pb+Hg, ^{206}Pb, ^{207}Pb, and ^{235}U. Each data integration records 100 sweeps of the measured masses, which roughly equates to 0.22 seconds. Dwell times on each mass are 400 µs on ^{207}Pb and ^{235}U, and 200 µs on all other masses; the switching between masses takes 40 µs. ^{238}U is calculated using ^{238}U/^{235}U = 137.818.

Laser ablation was performed using a New Wave Research UP193SS laser ablation system, with a low-volume cell (Horstwood et al., 2003). This cell has a washout to less than 1% of the peak signal in less than one second. Ablation parameters were optimized to suit the Pb and U contents with a frequency of 5Hz, a fluence of 1.5 to 3.0 J/cm^2, a 30 second ablation time, and a 30 to 35 µm spot size.
Four rutile reference materials, Sugluk-4, PCA-S207 (Bracciali et al., 2013) and R10 (Luvizotto et al., 2009) were analysed at regular intervals in order to correct data for instrumental fractionation. The average bias of the ^{207}Pb/^{206}Pb and ^{206}Pb/^{238}U ratios from preferred values derived by TIMS analysis are used for normalization. ^{206}Pb/^{238}U and ^{207}Pb/^{206}Pb uncertainties were propagated in the manner advocated by Horstwood (2008), utilising the measurement uncertainty and the reproducibility of the ablation reference material used.

Rutile commonly incorporates a significant amount of common Pb during crystallisation, and as a result is typically discordant in the U-Pb isotope system. Following the approach of Chew et al. (2011), a ^{207}Pb-based correction was employed, using an iterative approach to obtain a ^{207}Pb/^{206}Pb intercept value based on a starting estimate generated from the terrestrial Pb evolution model of Stacey and Kramers (1975). This was used to calculate rutile ^{207}Pb-corrected ^{206}Pb/ ^{238}Uages.

Data reduction of rutile measurements was undertaken with the age filters summarised in the following screening procedure table.

Table: U-Pb rutile data screening procedure

	Failed	Discarded
	^{207}Pb-corr. age > 100 Ma, uncertainty > 10 %	Discarded
	^{207}Pb-corr. age 10-100 Ma, uncertainty > 20 %	Discarded
	^{207}Pb-corr. age < 10 Ma, uncertainty > 25 %	Discarded
	All other ages	Accepted

The analytical results are presented in Data Repository 7 and the accepted ages are plotted in figure DR2b-1 below.

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DR2C: Stress calculation

Here we summarize the steps Copley et al. (2011) used to calculate the distribution of stress in the Indian lithosphere. Earthquakes and active faults have been observed where the Indian lithosphere bends beneath the Himalaya, and also further south within the Indian shield. Copley et al. (2011) therefore assumed that the stress within the lithosphere is limited to what can be supported by the faults before they break in earthquakes. Two independent estimates of the force balance were then used to estimate the stress distribution within the Indian plate: the locations, mechanisms, and stress drops of earthquakes within the Indian lithosphere (which give an increase in differential stress with depth of ~5 MPa km^{-1}), and the net force transmitted through the Indian plate (estimated from the motion of the plate and the forces exerted between India and Tibet; 5.5±1.5 TN m^{-1} along-strike).

If the stress drops in the earthquakes are summed over the seismogenic layer, the total force supported by the faults can be estimated to be approximately the same as the independent estimate of the total force transmitted through the Indian plate. This result has two implications: (1) the majority of the force transmitted through the Indian plate is supported by stresses on faults, and (2) the stress drops in the earthquakes represent close to the total pre-earthquake shear stresses on the faults. Point (2) means that the variation of stress drop with depth gives an estimate of the total stress distribution within the Indian plate, south of the region of bending beneath the Ganges foreland basin.

Beneath the Ganges foreland basin, the far-field tectonic compression is still present, but there are additional stresses related to the bending of the Indian plate beneath the Himalaya. This results in shallow normal faulting, and deeper thrust faulting. The depth of the transition from normal- to thrust-faulting is at 25±5 km. Copley et al. (2011) used this transition depth, along with the constraint that the net force transmitted through the lithosphere should match the far-field tectonic driving stresses, to calculate the variation of stress with depth within the Indian lithosphere underlying the foreland basin. They found that, in order to match the depth of transition from normal faulting to thrust faulting, and to also obtain the correct net force transmitted through the lithosphere, the faults underlying the foreland basin must have similar coefficients of friction to those further south within the Indian shield. In this foreland region, faults that cut through the entire seismogenic layer (e.g. the Oldham Fault on the northern margin of the Shillong Plateau that ruptured in a M8 earthquake in 1897) have resolved stresses that result in thrust motion. Faults that only cut the upper part of the seismogenic layer slip in a normal sense, and those that cut only the lower part slip as thrusts (see focal mechanisms in Figure DR2C(a)).

The variation of stress with depth suggests that differential stresses at the brittle-ductile transition are ~1.5 times higher in the foreland basin than further south within the Indian shield. These estimates therefore provide a picture of the changes in stress distribution as an area of the Indian Plate moves northwards towards the Tibetan Plateau, and becomes affected by the stresses related to bending beneath the Himalaya.

In models of dislocation creep, the relationship between stress and strain-rate is of the form $\dot{\varepsilon} \propto \sigma^3$ where $\dot{\varepsilon}$ is strain rate, and S is stress. For rate-dependent fault creep, a change in shear stress would result in a change in sliding velocity by a factor of $exp(\Delta\sigma/aN)$, where $\Delta\sigma$ is the change in stress, a is the rate-dependent frictional parameter, and N is the effective normal stress. In either of these rheological laws, a change in the driving stress by a factor of 1.5 would result in a change in the fault-loading rate by a factor of 2 or more.

In these calculations we neglect local effects relating to erosion, deposition, isostatic balance, and strain accumulation in the hangingwalls and footwalls of the faults. As displacement accumulates on a thrust fault, the difference in gravitational potential energy across the fault increases, which acts to inhibit motion. This effect can be decreased is material is eroded from the hangingwall and deposited in the footwall, and if vertical motions occur to maintain isostatic equilibrium. Our inference that the slip rates on the faults on the margins of the Shillong Plateau has through time, rather than decreased, implies that these local effects on faulting are small compared to the imposed far-field compressive and bending stresses.

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Supplementary figure captions:

Fig. DR2a-1: Zircon U-Pb concordia diagrams of samples from the Dungsam Chu section. Data are plotted as Wetherill concordia diagrams, using the Isoplot v. 4.14 add-in for Microsoft Excel (Ludwig, 2003), after data screening. The dotted dark blue line is the concordia curve where ages are indicated in Ma. Data point ellipses are at the 2σ level.

Fig. DR2b-1: Detrital rutile U-Pb ages for the sample SJ8 from the Dungsam Chu section, plotted as adaptive Kernel density plots (Vermeesch, 2012) with overlying histograms; n=number of dated grains. Inset: rutile U-Pb data from modern rivers draining the Himalayan syntaxis (solid line,n=138) and Himalaya outwith the syntaxis (dashed line, n=282). Note the uniquely short lag time for syntaxial rivers (from Bracciali et al 2016 and refs therein).

Fig. DR2C: (a) Topography and focal mechanisms for the India-Tibet region. Black focal mechanisms are thrust and normal earthquakes within the Indian lithosphere, labeled with their centroid depth in km and moment magnitude (see Copley et al. (2011) for details). Thrust faulting occurs throughout the seismogenic layer in central India. Beneath the foreland basin, shallow normal faulting is underlain by deeper thrust faulting. The red focal mechanism corresponds to the Bhuj earthquake (case study of Copley et al., 2011). SP, Shillong Plateau; RK, Rann of Kachchh. (b) Free-air gravity anomaly in the same region as shown in (a), from the EIGEN-6C gravity model (Förste et al., 2012). The contour interval is 50 mGal. The yellow dashed line shows the southern edge of the negative anomaly representing the foreland basin in the central and western part of the Himalayan arc. The Shillong Plateau is the positive anomaly marked 'SP'. (c) and (e) show profiles of differential stress against depth form locations in central India, and in the foreland basin, as shown schematically in (d) (calculations from Copley et al., 2011).

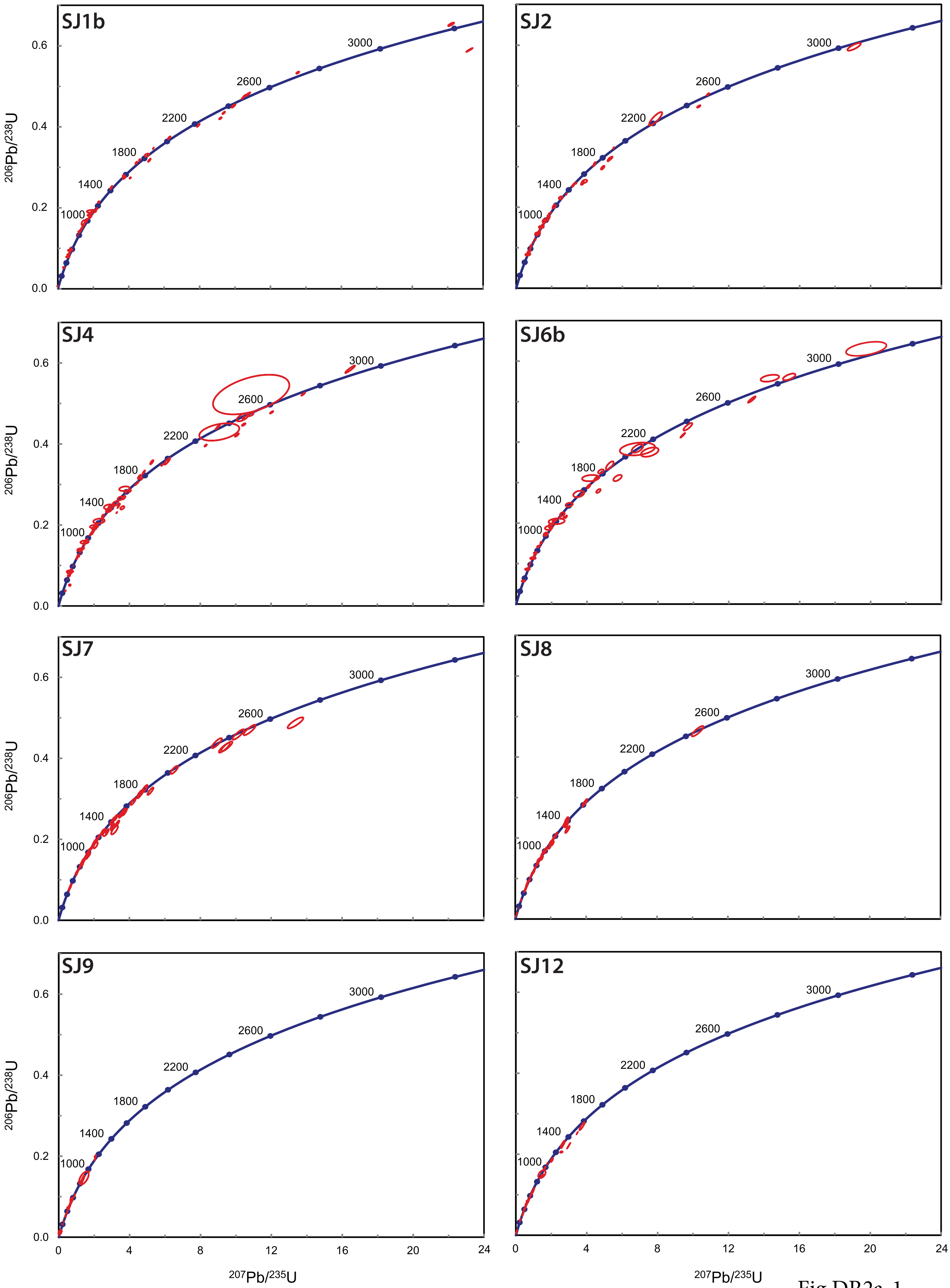
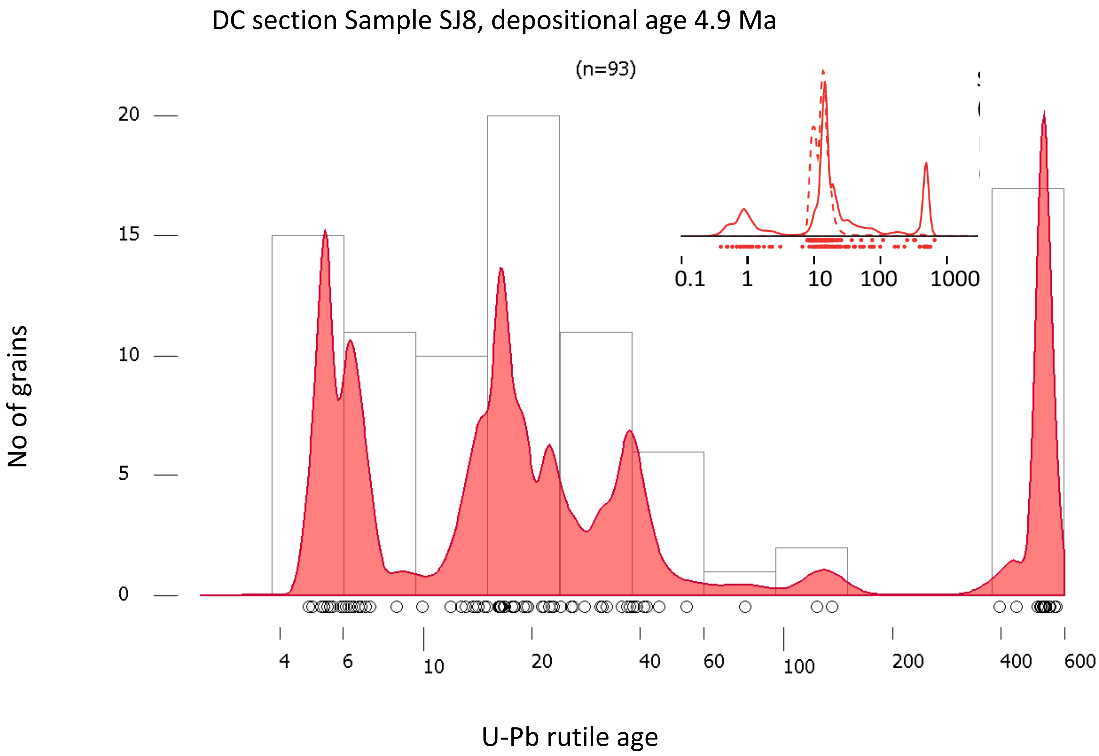
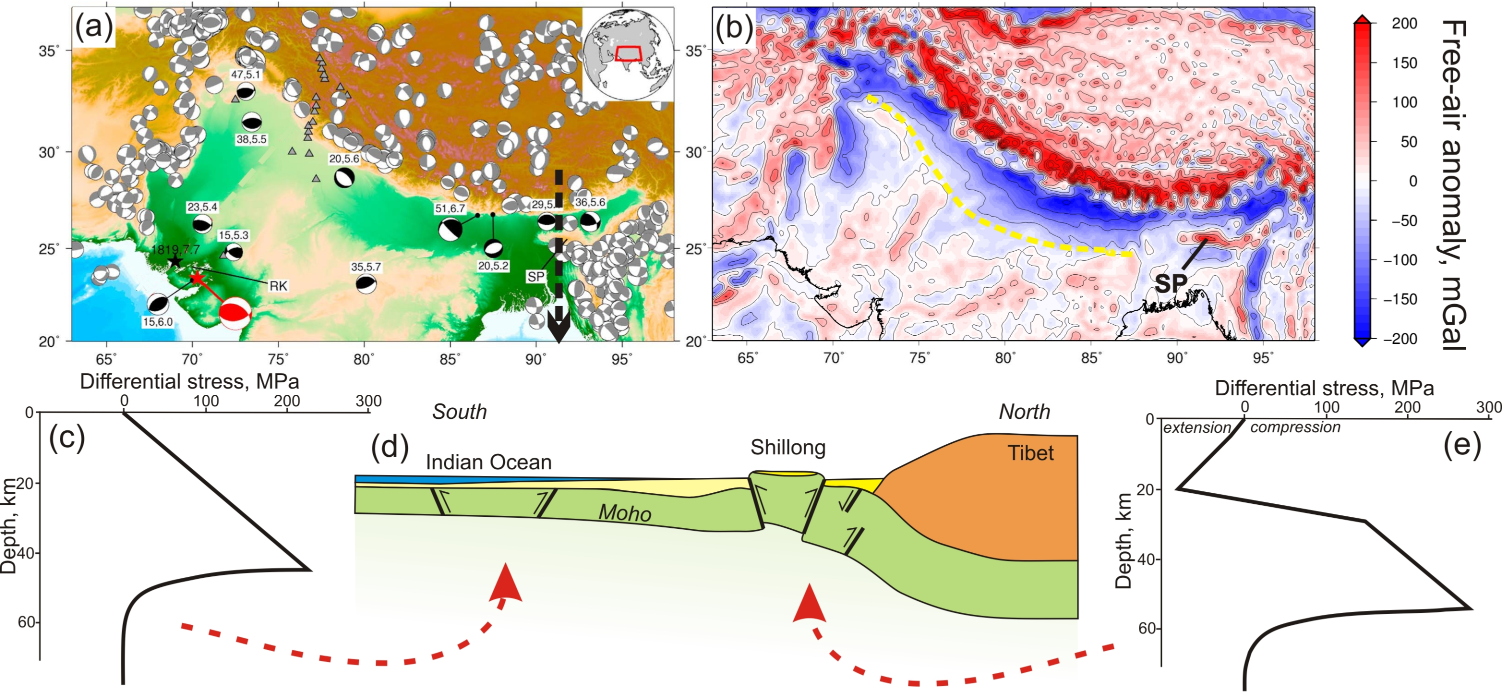

SJ1b
SJ2
SJ4
SJ6b
SJ7
SJ8
SJ9
SJ12
1000
1400
1800
2200
2600
3000
0.0
0.2
0.4
0.6
0
4
8
12
16
20
24
$^{206}Pb/^{238}U$
$^{207}Pb/^{235}U$

Fig DR2a-1



DC section Sample SJ8, depositional age 4.9 Ma
(n=93)
No of grains
0
5
10
15
20
4
6
10
20
40
60
100
200
400
600
0.1
1
10
100
1000
U-Pb rutile age

Fig DR2b-1



(a)
(b)
Free-air anomaly, mGal
SP
RK
Differential stress, MPa
(c)
Depth, km
(d)
South
North
Indian Ocean
Shillong
Tibet
Moho
(e)
extension
compression

Fig DR2c

TABLE S3: ION PROBE ZIRCON U-Pb DATA

Sample #	Grain #	$^{207}Pb/^{206}Pb$	$^{204}Pb/^{206}Pb$	$^{208}Pb/^{206}Pb$	Contents (ppm)			Data for Tera-Wasserburg plot				Data for Normal -Wetherill plot					Ages (Ma)						Disc. 6-38/ 7-35 (%)	Preferred Age		Exp.
					Pb	U	Th	$^{238}U/^{206}Pb$	1σ %	$^{207}Pb/^{206}Pb$	1σ %	$^{207}Pb/^{235}U$	1σ %	$^{206}Pb/^{238}U$	1σ %	ρ	$^{207}Pb/^{206}Pb$	2σ	$^{206}Pb/^{238}U$	2σ	$^{207}Pb/^{235}U$	2σ		Age (Ma)	2σ	
SJ1b	68	0.187	0.010	0.336	1	174	0	188.679	2.7	0.047	0.4	0.034	43.1	0.005	2.7	0.06	29	1596	34	2	34	28	0.0	34	2	5
SJ1b	50	0.078	0.002	0.187	4	96	27	19.380	1.5	0.054	0.1	0.384	9.0	0.052	1.5	0.17	372	376	324	10	330	50	1.8	324	10	6
SJ1b	103	0.059	0.000	0.222	51	773	510	12.970	0.5	0.057	0.0	0.604	0.9	0.077	0.5	0.58	485	32	479	4	480	6	0.2	479	4	6
SJ1b	14	0.078	0.002	0.120	49	737	197	12.887	1.1	0.057	0.1	0.612	10.1	0.078	1.1	0.11	499	414	482	10	485	76	0.6	482	10	6
SJ1b	59	0.060	0.000	0.143	28	410	174	12.453	0.6	0.056	0.0	0.616	1.2	0.080	0.6	0.50	438	46	498	6	487	10	-2.3	498	6	6
SJ1b	71	0.059	0.000	0.154	15	209	102	12.285	0.6	0.056	0.0	0.644	1.0	0.081	0.6	0.57	506	36	505	6	505	8	0.0	505	6	6
SJ1b	26	0.066	0.001	0.450	46	656	866	12.195	0.6	0.058	0.0	0.658	1.0	0.082	0.6	0.55	537	36	508	6	513	8	1.0	508	6	6
SJ1b	16	0.066	0.001	0.159	15	215	95	12.136	0.7	0.058	0.0	0.654	2.8	0.082	0.7	0.24	513	118	510	6	511	22	0.2	510	6	6
SJ1b	43	0.060	0.000	0.035	70	984	74	12.121	0.4	0.055	0.0	0.625	1.0	0.083	0.4	0.41	411	40	511	4	493	8	-3.7	511	4	6
SJ1b	112	0.064	0.001	0.192	20	278	156	12.092	0.5	0.057	0.0	0.654	1.9	0.083	0.5	0.26	505	80	512	4	511	16	-0.2	512	4	6
SJ1b	96	0.067	0.001	0.205	14	203	121	12.063	0.7	0.057	0.0	0.653	2.7	0.083	0.7	0.25	497	114	513	6	510	22	-0.6	513	6	6
SJ1b	10	0.068	0.001	0.288	21	295	247	12.077	0.4	0.059	0.0	0.672	2.7	0.083	0.4	0.14	562	112	513	4	522	22	1.7	513	4	6
SJ1b	116	0.067	0.001	0.255	24	337	250	12.063	0.7	0.057	0.0	0.654	2.0	0.083	0.7	0.35	501	80	513	6	511	16	-0.4	513	6	6
SJ1b	70	0.064	0.001	0.165	14	196	94	12.048	0.6	0.055	0.0	0.625	2.5	0.083	0.6	0.25	395	104	514	6	493	20	-4.3	514	6	6
SJ1b	33	0.074	0.001	0.251	38	528	362	12.034	0.6	0.056	0.1	0.636	6.0	0.083	0.6	0.10	434	254	514	6	500	46	-2.8	514	6	6
SJ1b	92	0.067	0.001	0.276	10	140	115	12.005	0.5	0.057	0.0	0.652	2.4	0.083	0.5	0.19	482	102	516	4	510	20	-1.2	516	4	6
SJ1b	31	0.063	0.000	0.252	38	528	409	12.005	0.5	0.058	0.0	0.665	2.8	0.083	0.5	0.18	528	118	516	4	518	22	0.4	516	4	6
SJ1b	118	0.059	0.000	0.193	41	568	357	11.990	0.5	0.056	0.0	0.659	0.8	0.083	0.5	0.54	503	30	516	4	514	6	-0.4	516	4	6
SJ1b	74	0.059	0.000	0.187	45	623	369	11.990	0.5	0.056	0.0	0.648	0.8	0.083	0.5	0.58	466	30	517	4	507	6	-2.0	517	4	6
SJ1b	67	0.063	0.000	0.214	27	373	243	11.962	0.5	0.056	0.0	0.645	1.6	0.084	0.5	0.32	449	64	518	4	505	12	-2.6	518	4	6
SJ1b	88	0.060	0.000	0.316	31	432	431	11.947	0.5	0.057	0.0	0.664	1.2	0.084	0.4	0.39	512	48	518	4	517	10	-0.2	518	4	6
SJ1b	95	0.059	0.000	0.156	48	668	327	11.891	0.4	0.057	0.0	0.659	1.0	0.084	0.4	0.42	485	38	520	4	514	8	-1.2	520	4	6
SJ1b	79	0.074	0.001	0.314	28	387	341	11.834	0.7	0.058	0.0	0.674	5.0	0.085	0.7	0.14	523	210	523	6	523	40	0.0	523	6	6
SJ1b	86	0.059	0.000	0.123	75	1029	402	11.806	0.4	0.057	0.0	0.663	0.8	0.085	0.4	0.48	484	32	524	4	517	6	-1.5	524	4	6
SJ1b	48	0.059	0.000	0.089	68	921	253	11.723	0.4	0.057	0.0	0.670	0.8	0.085	0.4	0.47	489	32	528	4	520	6	-1.5	528	4	6
SJ1b	105	0.058	0.000	0.121	142	1910	707	11.587	0.3	0.057	0.0	0.677	0.8	0.086	0.3	0.55	488	22	533	4	525	4	-1.5	533	4	6
SJ1b	34	0.063	0.000	0.335	28	375	386	11.468	0.5	0.059	0.0	0.704	1.6	0.087	0.5	0.31	549	66	539	6	541	14	0.4	539	6	6
SJ1b	69	0.059	0.000	0.169	50	658	362	11.312	0.5	0.057	0.0	0.697	0.9	0.088	0.5	0.57	500	32	546	6	537	8	-1.7	546	6	6
SJ1b	64	0.061	0.000	0.179	38	486	277	11.038	0.6	0.057	0.0	0.714	1.3	0.091	0.6	0.47	497	50	559	6	547	12	-2.2	559	6	6
SJ1b	61	0.358	0.021	0.983	30	368	263	10.650	1.4	0.057	0.1	0.740	11.2	0.094	1.4	0.13	498	454	578	16	562	94	-2.8	578	16	6
SJ1b	115	0.066	0.001	0.305	11	139	129	10.471	0.9	0.060	0.0	0.787	2.6	0.096	0.9	0.34	594	106	588	10	589	24	0.2	588	10	6
SJ1b	111	0.065	0.000	0.042	33	394	42	10.288	1.1	0.058	0.0	0.782	1.7	0.097	1.1	0.64	543	58	598	12	586	16	-2.0	598	12	6
SJ1b	113	0.062	0.000	0.265	50	595	509	10.256	0.3	0.059	0.0	0.799	1.2	0.098	0.3	0.29	583	48	600	4	596	10	-0.7	600	4	6
SJ1b	6	0.062	0.000	0.074	51	599	131	10.091	0.3	0.060	0.0	0.821	1.0	0.099	0.3	0.35	605	40	609	4	608	8	-0.2	609	4	6
SJ1b	51	0.067	0.000	0.236	63	561	446	7.657	0.4	0.065	0.0	1.177	0.8	0.131	0.4	0.54	786	28	791	6	790	8	-0.1	791	6	6
SJ1b	89	0.069	0.000	0.128	35	295	116	7.273	0.6	0.066	0.0	1.251	0.8	0.138	0.6	0.74	806	22	831	8	824	8	-0.8	831	8	6
SJ1b	94	0.068	0.000	0.057	84	702	119	7.215	0.5	0.067	0.0	1.283	0.8	0.139	0.5	0.64	842	26	837	8	838	10	0.1	837	8	6
SJ1b	21	0.072	0.001	0.126	28	235	87	7.143	0.4	0.064	0.0	1.240	1.9	0.140	0.4	0.22	749	78	845	6	819	22	-3.2	845	6	6
SJ1b	63	0.071	0.000	0.375	27	225	272	7.123	0.4	0.066	0.0	1.280	1.4	0.140	0.4	0.22	810	64	847	6	837	18	-1.2	847	6	6
SJ1b	57	0.069	0.000	0.121	30	251	96	7.123	0.4	0.066	0.0	1.286	1.0	0.140	0.4	0.43	821	36	847	6	840	12	-0.8	847	6	6
SJ1b	81	0.068	0.000	0.125	54	445	178	7.123	0.4	0.067	0.0	1.291	0.7	0.140	0.4	0.51	834	24	847	6	843	8	-0.5	847	6	6
SJ1b	53	0.068	0.000	0.211	67	559	389	7.123	0.5	0.066	0.0	1.271	0.7	0.140	0.5	0.63	796	24	847	8	833	8	-1.7	847	8	6
SJ1b	35	0.077	0.001	0.113	16	131	37	7.097	0.7	0.066	0.0	1.281	2.4	0.141	0.7	0.29	803	94	850	12	837	28	-1.6	850	12	6
SJ1b	30	0.068	0.000	0.487	104	858	1360	7.082	0.4	0.066	0.0	1.295	0.6	0.141	0.4	0.59	822	20	852	6	844	8	-0.9	852	6	6
SJ1b	41	0.067	0.000	0.227	71	585	436	7.067	0.4	0.066	0.0	1.289	0.7	0.142	0.4	0.59	808	22	853	6	841	8	-1.4	853	6	6
SJ1b	83	0.068	0.000	0.080	83	677	172	7.013	0.4	0.066	0.0	1.292	0.7	0.143	0.4	0.53	797	24	859	6	842	8	-2.0	859	6	6
SJ1b	120	0.069	0.000	0.150	55	442	212	6.949	0.6	0.067	0.0	1.332	1.0	0.144	0.6	0.57	841	34	867	10	860	12	-0.8	867	10	6
SJ1b	44	0.067	0.000	0.033	228	1831	191	6.887	0.3	0.067	0.0	1.337	0.4	0.145	0.3	0.74	831	12	874	6	862	6	-1.4	874	6	6
SJ1b	24	0.091	0.002	0.265	46	366	242	6.775	0.8	0.068	0.0	1.391	1.9	0.148	0.8	0.41	879	70	887	12	885	22	-0.2	887	12	6
SJ1b	78	0.073	0.000	0.186	39	300	174	6.588	0.5	0.069	0.0	1.445	1.1	0.152	0.5	0.45	900	42	911	8	908	14	-0.3	911	8	6
SJ1b	39	0.069	0.000	0.047	110	833	118	6.510	0.5	0.068	0.0	1.437	0.7	0.154	0.5	0.77	864	18	921	8	904	8	-1.9	921	8	6
SJ1b	109	0.071	0.000	0.051	120	902	158	6.452	0.6	0.070	0.0	1.493	0.7	0.155	0.6	0.86	924	16	929	10	928	8	-0.1	929	10	6
SJ1b	2	0.075	0.000	0.409	24	176	229	6.427	1.1	0.069	0.0	1.480	2.1	0.156	1.1	0.52	898	72	932	20	922	26	-1.1	932	20	6
SJ1b	12	0.072	0.000	0.125	51	383	156	6.423	1.0	0.069	0.0	1.482	2.1	0.156	1.0	0.50	900	72	933	18	923	24	-1.1	933	18	6
SJ1b	52	0.077	0.001	0.134	49	363	143	6.382	0.5	0.070	0.0	1.515	1.4	0.157	0.5	0.35	931	52	939	8	936	16	-0.3	939	8	6
SJ1b	4	0.073	0.000	0.030	81	593	42	6.297	0.5	0.070	0.0	1.540	0.6	0.159	0.5	0.79	939	14	950	8	947	8	-0.3	950	8	6
SJ1b	7	0.073	0.000	0.092	85	621	175	6.285	0.5	0.070	0.0	1.528	0.9	0.159	0.5	0.56	918	30	952	10	942	12	-1.1	952	10	6
SJ1b	49	0.091	0.002	0.222	15	104	56	6.165	2.5	0.066	0.0	1.484	4.4	0.162	2.5	0.56	818	148	969	44	924	52	-4.9	969	44	6
SJ1b	46	0.076	0.000	0.066	82	577	107	6.075	0.7	0.072	0.0	1.641	1.4	0.165	0.7	0.47	994	50	982	12	986	18	0.4	982	12	6
SJ1b	104	0.078	0.000	0.052	34	237	33	6.002	0.7	0.073	0.0	1.676	1.3	0.167	0.7	0.50	1011	46	994	12	999	16	0.5	994	12	6
SJ1b	80	0.074	0.000	0.252	49	343	283	5.967	0.4	0.071	0.0	1.650	0.9	0.168	0.4	0.43	968	34	999	8	989	12	-1.0	999	8	6
SJ1b	13	0.076	0.000	0.058	115	796	139	5.956	0.5	0.073	0.0	1.695	0.7	0.168	0.5	0.68	1020	20	1000	8	1007	8	0.7	1000	8	6
SJ1b	22	0.081	0.000	0.300	136	940	856	5.945	0.4	0.072	0.0	1.658	0.6	0.168	0.4	0.59	972	20	1002	8	993	8	-0.9	1002	8	6
SJ1b	101	0.075	0.000	0.120	59	401	150	5.875	0.5	0.072	0.0	1.686	0.9	0.170	0.5	0.61	982	28	1013	10	1003	12	-1.0	1013	10	6
SJ1b	85	0.077	0.000	0.028	83	553	43	5.721	1.3	0.076	0.0	1.829	1.7	0.175	1.3	0.76	1093	44	1038	24	1056	22	1.7	1038	24	6
SJ1b	108	0.081	0.000	0.196	18	115	69	5.596	1.8	0.077	0.0	1.901	2.5	0.179	1.8	0.72	1125	70	1060	36	1081	34	1.9	1060	36	6
SJ1b	37	0.086	0.001	0.414	14	90	111	5.525	0.7	0.071	0.0	1.773	1.7	0.181	0.7	0.39	959	62	1072	12	1036	22	-3.5	1072	12	6
SJ1b	82	0.077	0.000	0.168	45	288	158	5.444	0.7	0.075	0.0	1.893	1.0	0.184	0.7	0.70	1062	30	1087	14	1079	14	-0.7	1087	14	6
SJ1b	107	0.076	0.000	0.053	57	356	61	5.342	0.7	0.074	0.0	1.922	0.9	0.187	0.7	0.83	1053	12	1106	14	1089	12	-1.6	1106	14	6
SJ1b	58	0.078	0.000	0.114	64	394	145	5.274	0.5	0.076	0.0	1.965	0.6	0.190	0.5	0.77	1074	14	1119	10	1104	8	-1.4	1119	10	6
SJ1b	75	0.113	0.003	0.299	16	100	70	5.263	1.2	0.074	0.1	1.944	8.8	0.190	1.2	0.14	1047	332	1121	24	1096	114	-2.3	1121	24	6
SJ1b	99	0.077	0.000	0.178	165	996	591	5.189	0.4	0.076	0.0	2.024	0.4	0.193	0.4	0.82	1100	10	1136	8	1124	6	-1.1	1136	8	6
SJ1b	87	0.086	0.000	0.148	79	467	212	5.099	0.7	0.083	0.0	2.247	1.0	0.196	0.7	0.67	1272	30	1154	14	1196	14	3.5	1154	14	6
SJ1b	90	0.087	0.001	0.335	18	98	105	4.693	0.5	0.080	0.0	2.357	1.3	0.213	0.5	0.38	1203	46	1245	12	1230	18	-1.2	1203	46	7
SJ1b	54	0.093	0.000	0.233	27	128	99	4.019	1.1	0.089	0.0	3.061	1.2	0.249	1.1	0.88	1409	28	1432	28	1423	18	-0.6	1409	28	7
SJ1b	76	0.099	0.000	0.407	95	398	544	3.591	0.4	0.098	0.0	3.754	0.8	0.279	0.4	0.53	1582	26	1584	12	1583	12	-0.1	1582	26	7
SJ1b	11	0.113	0.001	0.204	126	535	303	3.655	0.8	0.100	0.0	3.780	1.4	0.274	0.8	0.56	1628	42	1559	22	1588	22	1.8	1628	42	7
SJ1b	65	0.113	0.000	0.231	66	247	182	3.226	0.6	0.105	0.0	4.474	0.8	0.310	0.6	0.76	1708	20	1741	18	1726	14	-0.9	1708	20	7
SJ1b	9	0.107	0.000	0.190	84	310	199	3.153	0.4	0.106	0.0	4.655	0.5	0.317	0.4	0.72	1739	14	1776	12	1759	8	-1.0	1739	14	7
SJ1b	36	0.111	0.000	0.066	139	592	137	3.668	0.4	0.110	0.0	4.134	0.6	0.273	0.4	0.70	1799	14	1554	10	1661	8	6.4	1799	14	7
SJ1b	19	0.123	0.001	0.290	26	91	82	3.039	0.7	0.112	0.0	5.072	1.7	0.329	0.7	0.42	1828	56	1834	24	1831	28	-0.2	1828	56	7
SJ1b	98	0.114	0.000	0.068	410	1380	325	2.891	0.3	0.114	0.0	5.438	0.3	0.346	0.3	0.94	1864	4	1915	10	1891	6	-1.3	1864	4	7
SJ1b	91	0.122	0.000	0.042	70	257	35	3.162	0.8	0.119	0.0	5.210	0.9	0.316	0.8	0.89	1949	14	1771	24	1854	16	4.5	1949	14	7
SJ1b	47	0.125	0.000	0.249	63	196	168	2.688	0.6	0.123	0.0	6.329	0.7	0.372	0.6	0.80	2006	16	2039	20	2023	12	-0.8	2006	16	7
SJ1b	106	0.144	0.000	0.184	168	487	315	2.484	0.6	0.144	0.0	7.972	0.6	0.403	0.6	0.94	2271	8	2181	22	2228	12	2.1	2271	8	7
SJ1b	5	0.157	0.000	0.155	959	2574	1342	2.307	0.5	0.157	0.0	9.401	0.5	0.434	0.5	0.84	2427	10	2322	18	2378	10	2.4	2427	10	7
SJ1b	73	0.160	0.000	0.189	93	259	175	2.381	0.4	0.159	0.0	9.215	0.5	0.420	0.4	0.80	2446	10	2260	16	2360	10	4.2	2446	10	7
SJ1b	27	0.161	0.000	0.261	85	220	206	2.219	0.6	0.160	0.0	9.952	0.7	0.451	0.6	0.87	2457	12	2398	24	2430	12	1.3	2457	12	7
SJ1b	17	0.164	0.000	0.248	165	406	354	2.115	0.7	0.161	0.0	10.523	0.7	0.473	0.7	0.98	2470	4	2496	30	2482	14	-0.6	2470	4	7
SJ1b	66	0.164	0.000	0.151	136	331	184	2.089	0.4	0.162	0.0	10.720	0.4	0.479	0.4	0.93	2481	6	2522	16	2499	8	-0.9	2481	6	7
SJ1b	32	0.164	0.000	0.153	82	199	107	2.085	0.6	0.163	0.0	10.789	0.6	0.480	0.6	0.94	2489	8	2525	24	2505	12	-0.8	2489	8	7
SJ1b	117	0.185	0.000	0.184	134	293	194	1.877	0.3	0.185	0.0	13.572	0.4	0.533	0.3	0.75	2696	10	2753	14	2720	8	-1.2	2696	10	7
SJ1b	97	0.249	0.000	0.279	52	93	97	1.533	0.4	0.247	0.0	22.220	0.5	0.652	0.4	0.85	3166	8	3237	22	3193	10	-1.4	3166	8	7
SJ1b	18	0.287	0.000	0.223	403	796	663	1.698	0.5	0.286	0.0	23.253	0.5	0.589	0.5	0.97	3398	4	2984	24	3238	10	7.8	3398	4	7
SJ1b	29	0.145	0.007	0.940	1	16	39	11.001	2.8	0.054	0.3	0.672	32.7	0.091	2.8	0.09	355	1210	561	30	522	250	-7.5	N.D.	N.D.	4
SJ1b	119	0.073	0.002	0.692	6	84	174	12.005	0.7	0.053	0.0	0.607	2.5	0.083	0.7	0.28	322	106	516	6	482	18	-7.1	N.D.	N.D.	4
SJ1b	42	0.071	0.001	0.424	7	92	113	11.891	1.0	0.052	0.0	0.606	4.6	0.084	1.0	0.22	296	198	521	10	481	34	-8.3	N.D.	N.D.	4
SJ1b	62	0.070	0.001	0.381	16	216	247	11.834	0.9	0.054	0.0	0.632	3.8	0.085	0.9	0.24	380	162	523	10	497	30	-5.2	N.D.	N.D.	4
SJ1b	20	0.070	0.001	0.326	17	258	239	13.089	5.9	0.064	0.0	0.676	7.6	0.076	5.9	0.78	749	194	474	54	524	62	9.5	N.D.	N.D.	4
SJ1b	110	0.121	0.004	0.196	32	307	62	8.278	1.6	0.069	0.1	1.155	10.1	0.121	1.6	0.15	908	388	735	22	780	108	5.8	N.D.	N.D.	4
SJ1b	56	0.135	0.006	0.230	39	542	70	11.834	2.8	0.053	0.3	0.618	32.1	0.085	2.8	0.09	333	1194	523	28	489	234	-7.0	N.D.	N.D.	4
SJ1b	72	0.072	0.002	0.627	4	57	107	11.682	1.0	0.049	0.1	0.577	5.8	0.086	1.0	0.17	144	258	529	10	463	42	-14.3	N.D.	N.D.	3
SJ1b	93	0.072	0.002	0.307	6	91	76	12.315	1.1	0.049	0.0	0.550	4.9	0.081	1.1	0.22	154	216	503	10	445	34	-13.0	N.D.	N.D.	3
SJ1b	114	0.086	0.002	0.598	6	39	70	6.013	0.9	0.062	0.0	1.415	4.6	0.166	0.9	0.20	665	186	991	16	895	54	-10.7	N.D.	N.D.	3
SJ1b	77	0.069	0.001	0.370	8	116	126	11.806	1.1	0.051	0.0	0.595	3.7	0.085	1.1	0.28	236	162	524	10	474	28	-10.5	N.D.	N.D.	3
SJ1b	84	0.076	0.000	0.075	59	1004	115	14.577	1.0	0.074	0.0	0.699	1.2	0.069	1.0	0.84	1039	26	428	8	538	10	20.4	N.D.	N.D.	3
SJ1b	102	0.155	0.000	0.104	77	256	81	2.841	0.7	0.154	0.0	7.484	0.9	0.352	0.7	0.83	2393	16	1944	24	2171	16	10.5	N.D.	N.D.	3
SJ1b	40	0.115	0.001	0.200	108	926	646	7.342	0.7	0.107	0.0	2.016	0.9	0.136	0.7	0.80	1755	20	823	12	1121	12	26.6	N.D.	N.D.	3
SJ1b	3	0.881	0.052	2.264	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1
SJ1b	15	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1
SJ1b	23	0.173	0.000	0.073	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1
SJ1b	25	0.601	0.045	1.297	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1
SJ1b	28	0.823	0.064	2.154	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1
SJ1b	45	0.129	0.005	0.255	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1
SJ1b	55	0.811	0.053	1.968	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1
SJ2	81	0.059	0.000	0.173	76	1097	593	12.361	0.3	0.057	0.0	0.635	0.6	0.081	0.3	0.56	489	22	502	4	499	4	-0.6	502	4	6
SJ2	25	0.060	0.000	0.303	48	689	655	12.300	0.5	0.058	0.0	0.650	0.7	0.081	0.5	0.70	531	22	504	4	509	6	1.0	504	4	6
SJ2	9	0.094	0.003	0.253	34	479	233	12.277	1.1	0.056	0.0	0.625	4.5	0.081	1.1	0.24	437	191	505	10	493	35	-2.5	505	10	6
SJ2	33	0.067	0.001	0.330	27	381	374	12.255	0.8	0.056	0.0	0.632	3.2	0.082	0.8	0.24	459	134	506	8	497	24	-1.8	506	8	6
SJ2	87	0.060	0.000	0.208	40	566	364	12.240	0.4	0.056	0.0	0.632	1.2	0.082	0.4	0.35	457	50	506	4	498	10	-1.6	506	4	6
SJ2	90	0.063	0.001	0.219	20	282	187	12.225	1.0	0.057	0.0	0.645	2.2	0.082	1.0	0.46	500	84	507	10	505	18	-0.4	507	10	6
SJ2	36	0.060	0.000	0.141	35	492	208	12.210	0.5	0.057	0.0	0.640	1.1	0.082	0.5	0.55	480	40	507	6	502	8	-1.0	507	6	6
SJ2	53	0.061	0.000	0.348	35	498	553	12.225	0.6	0.057	0.0	0.644	1.1	0.082	0.6	0.44	494	44	507	4	505	8	-0.4	507	4	6
SJ2	69	0.061	0.000	0.302	25	355	330	12.195	0.7	0.056	0.0	0.634	1.5	0.082	0.7	0.46	454	60	508	6	498	12	-2.0	508	6	6
SJ2	28	0.062	0.000	0.206	26	371	233	12.136	0.6	0.058	0.0	0.664	1.3	0.082	0.6	0.46	546	48	510	6	517	10	1.4	510	6	6
SJ2	72	0.063	0.001	0.276	15	216	182	12.121	0.5	0.055	0.0	0.623	1.9	0.083	0.5	0.25	406	80	511	4	492	14	-3.9	511	4	6
SJ2	20	0.071	0.001	0.305	25	346	301	12.107	0.4	0.055	0.0	0.626	3.3	0.083	0.4	0.13	412	144	511	4	494	26	-3.4	511	4	6
SJ2	67	0.063	0.001	0.148	28	399	179	12.107	0.4	0.056	0.0	0.642	1.4	0.083	0.4	0.28	465	58	512	4	503	10	-1.8	512	4	6
SJ2	40	0.060	0.000	0.434	40	564	760	12.077	0.4	0.057	0.0	0.654	1.0	0.083	0.4	0.41	500	40	513	4	511	8	-0.4	513	4	6
SJ2	24	0.059	0.000	0.119	70	988	376	12.048	0.4	0.057	0.0	0.652	0.6	0.083	0.4	0.66	490	20	514	4	510	4	-0.8	514	4	6
SJ2	66	0.061	0.000	0.292	29	405	371	12.034	0.4	0.057	0.0	0.651	1.0	0.083	0.4	0.42	483	42	515	4	509	8	-1.2	515	4	6
SJ2	83	0.097	0.003	0.358	15	204	171	12.005	1.8	0.057	0.1	0.656	13.5	0.083	1.8	0.13	496	542	516	18	512	106	-0.8	516	18	6
SJ2	73	0.067	0.001	0.117	129	1803	517	11.990	0.4	0.058	0.0	0.663	0.5	0.083	0.4	0.82	518	12	516	4	517	4	0.2	516	4	6
SJ2	18	0.062	0.000	0.208	25	350	220	11.962	0.4	0.056	0.0	0.642	1.6	0.084	0.4	0.26	440	68	518	4	504	12	-2.8	518	4	6
SJ2	48	0.062	0.000	0.169	25	352	179	11.891	0.8	0.058	0.0	0.668	1.5	0.084	0.8	0.51	518	56	520	8	520	12	0.0	520	8	6
SJ2	19	0.064	0.001	0.496	35	490	748	11.891	0.4	0.057	0.0	0.657	1.8	0.084	0.4	0.24	479	76	520	4	513	14	-1.4	520	4	6
SJ2	21	0.062	0.000	0.293	58	807	742	11.905	0.5	0.058	0.0	0.675	1.6	0.084	0.5	0.28	539	68	520	4	524	14	0.8	520	4	6
SJ2	22	0.061	0.001	0.493	30	412	648	11.862	0.4	0.054	0.0	0.632	1.8	0.084	0.4	0.24	387	76	522	4	497	14	-5.0	522	4	6
SJ2	71	0.062	0.000	0.238	32	439	328	11.862	0.5	0.057	0.0	0.660	1.1	0.084	0.5	0.46	484	44	522	6	515	8	-1.4	522	6	6
SJ2	12	0.059	0.000	0.191	91	1249	736	11.848	0.4	0.057	0.0	0.665	0.6	0.084	0.4	0.65	497	20	522	4	518	4	-0.8	522	4	6
SJ2	31	0.091	0.002	0.110	37	505	53	11.806	1.6	0.059	0.1	0.692	10.6	0.085	1.6	0.15	578	426	524	16	534	86	1.9	524	16	6
SJ2	2	0.058	0.000	0.285	117	1597	1467	11.737	0.4	0.057	0.0	0.670	0.5	0.085	0.4	0.82	494	12	527	4	521	4	-1.2	527	4	6
SJ2	79	0.058	0.000	0.227	130	1763	1286	11.696	0.5	0.057	0.0	0.670	0.8	0.086	0.5	0.67	484	24	529	6	521	6	-1.5	529	6	6
SJ2	13	0.060	0.000	0.275	47	644	563	11.669	0.4	0.057	0.0	0.672	1.0	0.086	0.4	0.39	485	42	530	4	522	8	-1.5	530	4	6
SJ2	6	0.059	0.000	0.321	87	1180	1220	11.669	0.4	0.058	0.0	0.681	0.8	0.086	0.4	0.52	516	30	530	4	527	6	-0.6	530	4	6
SJ2	5	0.069	0.001	0.262	14	189	147	11.641	0.9	0.057	0.0	0.679	3.5	0.086	0.9	0.26	505	146	531	10	526	28	-1.0	531	10	6
SJ2	41	0.060	0.000	0.120	43	576	200	11.521	0.6	0.058	0.0	0.688	0.8	0.087	0.6	0.74	511	24	536	6	532	6	-0.8	536	6	6
SJ2	65	0.064	0.000	0.041	92	1231	106	11.494	0.7	0.060	0.0	0.722	1.5	0.087	0.7	0.42	610	60	538	6	552	14	2.5	538	6	6
SJ2	11	0.067	0.001	0.206	16	214	128	11.274	0.4	0.057	0.0	0.700	2.5	0.089	0.4	0.16	501	108	548	4	539	22	-1.7	548	4	6
SJ2	7	0.066	0.001	0.486	13	168	260	11.249	0.8	0.058	0.0	0.711	3.4	0.089	0.8	0.24	532	142	549	8	546	28	-0.5	549	8	6
SJ2	5	0.072	0.001	0.304	23	297	249	11.224	1.0	0.057	0.0	0.702	3.9	0.089	1.0	0.26	497	161	550	11	540	32	-1.9	550	11	6
SJ2	6	0.079	0.002	0.239	13	173	102	11.170	1.0	0.057	0.0	0.699	4.9	0.090	1.0	0.20	478	206	553	10	538	41	-2.7	553	10	6
SJ2	12	0.079	0.001	0.802	19	240	569	10.887	1.1	0.059	0.1	0.749	5.7	0.092	1.1	0.19	571	235	566	12	567	49	0.2	566	12	6
SJ2	61	0.058	0.000	0.181	148	1821	1177	10.604	0.6	0.057	0.0	0.747	0.7	0.094	0.6	0.78	509	20	581	6	567	6	-2.5	581	6	6
SJ2	50	0.062	0.000	0.035	40	480	45	10.309	0.3	0.060	0.0	0.807	1.0	0.097	0.3	0.32	616	42	597	4	601	10	0.7	597	4	6
SJ2	7	0.060	0.000	0.252	208	2427	1845	10.040	1.2	0.058	0.0	0.796	1.3	0.100	1.2	0.88	527	28	612	14	594	12	-3.0	612	14	6
SJ2	44	0.061	0.000	0.093	73	842	243	9.960	0.5	0.060	0.0	0.827	0.6	0.100	0.5	0.89	594	12	617	6	612	6	-0.8	617	6	6
SJ2	26	0.071	0.001	0.271	11	125	96	9.515	1.3	0.058	0.0	0.843	3.0	0.105	1.3	0.44	538	114	644	16	621	28	-3.7	644	16	6
SJ2	1	0.067	0.000	0.143	26	266	116	8.811	0.6	0.062	0.0	0.966	2.0	0.114	0.6	0.28	666	82	693	8	687	20	-0.9	693	8	6
SJ2	77	0.070	0.000	0.312	33	320	283	8.306	0.8	0.066	0.0	1.088	1.1	0.120	0.8	0.70	791	34	733	12	748	12	2.0	733	12	6
SJ2	56	0.065	0.000	0.155	186	1778	875	8.230	0.5	0.064	0.0	1.077	0.6	0.122	0.5	0.74	751	18	739	6	742	6	0.4	739	6	6
SJ2	64	0.074	0.001	0.173	10	89	46	7.610	0.8	0.065	0.0	1.173	2.2	0.131	0.8	0.34	765	86	796	12	788	24	-1.0	796	12	6
SJ2	42	0.069	0.000	0.068	40	350	60	7.474	1.0	0.066	0.0	1.213	1.3	0.134	1.0	0.73	799	38	809	14	806	14	-0.4	809	14	6
SJ2	4	0.102	0.003	0.341	6	53	40	7.392	1.4	0.065	0.1	1.218	7.8	0.135	1.4	0.18	784	307	818	22	809	85	-1.1	818	22	6
SJ2	29	0.071	0.000	0.070	35	294	57	7.174	0.5	0.067	0.0	1.295	1.1	0.139	0.5	0.39	850	44	841	8	843	14	0.2	841	8	6
SJ2	47	0.078	0.001	0.113	33	276	80	7.153	0.7	0.068	0.0	1.308	1.1	0.140	0.7	0.61	865	36	843	10	849	12	0.7	843	10	6
SJ2	88	0.070	0.000	0.125	43	354	143	7.158	0.5	0.066	0.0	1.278	1.4	0.140	0.5	0.36	816	52	843	8	836	16	-0.8	843	8	6
SJ2	89	0.068	0.000	0.121	45	370	145	7.117	0.5	0.066	0.0	1.284	0.7	0.141	0.5	0.68	815	22	847	8	838	8	-1.1	847	8	6
SJ2	23	0.071	0.000	0.112	28	229	74	7.102	0.6	0.067	0.0	1.293	1.4	0.141	0.6	0.42	826	50	849	10	843	16	-0.7	849	10	6
SJ2	3	0.073	0.000	0.204	30	247	153	7.087	0.6	0.068	0.0	1.322	1.8	0.141	0.6	0.35	867	70	851	10	855	20	0.5	851	10	6
SJ2	51	0.069	0.000	0.052	46	368	56	6.803	1.0	0.066	0.0	1.345	1.2	0.147	1.0	0.84	817	28	884	16	865	14	-2.2	884	16	6
SJ2	43	0.067	0.000	0.073	637	4952	1174	6.680	0.4	0.067	0.0	1.373	0.5	0.150	0.4	0.70	824	16	899	6	878	6	-2.4	899	6	6
SJ2	3	0.078	0.001	0.154	30	234	93	6.626	1.0	0.067	0.0	1.384	2.7	0.151	1.0	0.37	823	102	906	17	882	31	-2.7	906	17	6
SJ2	63	0.075	0.000	0.197	73	560	351	6.596	1.0	0.074	0.0	1.540	1.2	0.152	1.0	0.81	1033	28	910	16	947	14	3.9	910	16	6
SJ2	1	0.087	0.001	0.267	38	290	205	6.595	1.0	0.067	0.0	1.391	5.1	0.152	1.0	0.20	823	200	910	17	885	59	-2.8	910	17	6
SJ2	30	0.078	0.001	0.328	15	115	114	6.447	1.4	0.069	0.0	1.472	1.8	0.155	1.4	0.73	894	52	930	24	919	22	-1.2	930	24	6
SJ2	16	0.072	0.000	0.148	130	939	451	6.219	0.4	0.071	0.0	1.577	0.7	0.161	0.4	0.60	961	24	961	8	961	8	0.0	961	8	6
SJ2	15	0.076	0.000	0.390	37	261	325	6.105	0.5	0.071	0.0	1.604	1.6	0.164	0.5	0.29	957	60	978	8	972	20	-0.6	978	8	6
SJ2	86	0.075	0.000	0.108	33	231	78	6.064	0.6	0.072	0.0	1.629	1.3	0.165	0.6	0.43	975	48	984	10	981	16	-0.3	984	10	6
SJ2	11	0.084	0.001	0.168	36	257	117	6.063	1.2	0.071	0.0	1.624	2.3	0.165	1.2	0.52	969	78	984	22	979	28	-0.5	984	22	6
SJ2	2	0.090	0.001	0.224	84	590	347	6.057	1.0	0.071	0.0	1.619	3.4	0.165	1.0	0.29	961	129	985	18	978	42	-0.7	985	18	6
SJ2	10	0.083	0.001	0.448	9	60	84	5.992	1.7	0.069	0.0	1.590	4.1	0.167	1.7	0.41	902	152	995	32	966	50	-3.0	995	32	6
SJ2	80	0.079	0.001	0.277	36	248	212	5.924	0.6	0.071	0.0	1.652	1.3	0.169	0.6	0.43	957	48	1006	10	990	16	-1.6	1006	10	6
SJ2	49	0.079	0.000	0.060	100	676	167	5.797	2.0	0.076	0.0	1.816	2.6	0.173	2.0	0.75	1104	68	1026	38	1051	34	2.4	1026	38	6
SJ2	54	0.080	0.000	0.255	21	143	115	5.747	1.1	0.076	0.0	1.823	1.9	0.174	1.1	0.57	1094	60	1034	20	1054	24	1.9	1034	20	6
SJ2	84	0.079	0.000	0.016	174	1143	38	5.640	0.4	0.077	0.0	1.881	0.9	0.177	0.4	0.46	1120	30	1052	8	1074	12	2.0	1052	8	6
SJ2	13	0.080	0.000	0.214	94	610	388	5.591	1.0	0.073	0.0	1.807	1.5	0.179	1.0	0.64	1021	46	1061	19	1048	19	-1.2	1061	19	6
SJ2	14	0.076	0.000	0.147	81	524	251	5.574	0.4	0.074	0.0	1.839	0.5	0.179	0.4	0.78	1050	14	1064	8	1060	8	-0.4	1064	8	6
SJ2	55	0.080	0.000	0.404	29	182	237	5.441	0.7	0.074	0.0	1.871	1.2	0.184	0.7	0.57	1036	40	1088	14	1071	16	-1.6	1088	14	6
SJ2	91	0.077	0.000	0.056	63	394	73	5.356	0.4	0.075	0.0	1.942	0.6	0.187	0.4	0.75	1079	16	1104	8	1096	8	-0.7	1104	8	6
SJ2	68	0.076	0.000	0.026	739	4318	388	5.023	0.5	0.075	0.0	2.071	0.6	0.199	0.5	0.92	1080	8	1170	10	1139	8	-2.7	1170	10	6
SJ2	19	0.089	0.001	0.157	35	202	86	4.937	1.4	0.077	0.0	2.157	2.8	0.203	1.4	0.51	1127	94	1189	31	1167	38	-1.9	1189	31	6
SJ2	18	0.088	0.000	0.219	136	707	474	4.476	1.0	0.082	0.0	2.519	2.7	0.223	1.0	0.37	1240	98	1300	24	1278	39	-1.7	1240	98	7
SJ2	34	0.089	0.000	0.226	307	1535	1117	4.297	0.6	0.088	0.0	2.832	0.6	0.233	0.6	0.92	1388	10	1349	14	1364	10	1.1	1388	10	7
SJ2	82	0.095	0.000	0.231	56	257	195	3.942	0.7	0.092	0.0	3.206	1.1	0.254	0.7	0.65	1460	32	1458	18	1459	18	0.1	1460	32	7
SJ2	32	0.094	0.000	0.271	52	237	214	3.877	0.4	0.092	0.0	3.262	0.6	0.258	0.4	0.77	1462	14	1479	12	1472	8	-0.5	1462	14	7
SJ2	74	0.096	0.000	0.216	80	359	259	3.851	0.4	0.094	0.0	3.377	0.6	0.260	0.4	0.66	1514	18	1488	12	1499	10	0.7	1514	18	7
SJ2	60	0.104	0.000	0.105	257	967	343	3.238	0.5	0.104	0.0	4.423	0.6	0.309	0.5	0.93	1695	8	1735	16	1717	10	-1.0	1695	8	7
SJ2	58	0.109	0.000	0.244	32	121	98	3.231	0.5	0.104	0.0	4.451	0.7	0.310	0.5	0.66	1702	20	1738	14	1722	12	-0.9	1702	20	7
SJ2	10	0.108	0.000	0.028	182	818	55	3.852	1.0	0.105	0.0	3.742	1.5	0.260	1.0	0.64	1707	43	1488	26	1580	24	5.9	1707	43	7
SJ2	76	0.106	0.000	0.244	94	360	299	3.292	0.5	0.105	0.0	4.393	0.6	0.304	0.5	0.79	1712	14	1710	16	1711	10	0.1	1712	14	7
SJ2	8	0.117	0.001	0.150	78	343	138	3.787	1.0	0.106	0.0	3.860	2.5	0.264	1.0	0.39	1732	84	1511	27	1605	40	5.9	1732	84	7
SJ2	27	0.116	0.000	0.189	119	398	257	2.885	0.4	0.115	0.0	5.498	0.4	0.347	0.4	0.89	1881	6	1918	12	1900	6	-0.9	1881	6	7
SJ2	16	0.132	0.001	0.233	109	425	470	3.355	1.0	0.119	0.0	4.885	1.3	0.298	1.0	0.75	1939	32	1682	30	1800	22	6.5	1939	32	7
SJ2	14	0.127	0.001	0.113	118	433	133	3.138	1.0	0.120	0.0	5.255	1.3	0.319	1.0	0.80	1950	27	1783	31	1862	21	4.2	1950	27	7
SJ2	8	0.123	0.000	0.135	52	186	81	3.105	0.7	0.121	0.0	5.363	0.9	0.322	0.7	0.75	1967	22	1800	22	1879	16	4.2	1967	22	7
SJ2	15	0.147	0.001	0.216	47	131	85	2.387	2.6	0.136	0.0	7.867	3.1	0.419	2.6	0.85	2179	56	2256	99	2216	54	-1.8	2179	56	7
SJ2	17	0.164	0.000	0.345	347	842	1054	2.087	0.4	0.164	0.0	10.817	0.4	0.479	0.4	0.88	2494	6	2524	16	2507	8	-0.7	2494	6	7
SJ2	62	0.168	0.000	0.171	135	349	196	2.225	0.4	0.166	0.0	10.297	0.6	0.449	0.4	0.78	2520	12	2392	18	2462	10	2.8	2520	12	7
SJ2	35	0.234	0.000	0.547	33	64	126	1.676	1.0	0.232	0.0	19.055	1.3	0.597	1.0	0.80	3063	24	3016	50	3045	26	1.0	3063	24	7
SJ2	38	0.095	0.002	0.326	5	53	45	9.234	4.7	0.070	0.1	1.053	8.5	0.108	4.7	0.56	942	276	663	60	730	86	9.2	N.D.	N.D.	4
SJ2	75	0.069	0.001	0.319	11	147	139	11.990	1.0	0.052	0.0	0.604	4.4	0.083	1.0	0.22	306	190	516	10	479	34	-7.7	N.D.	N.D.	4
SJ2	52	0.085	0.000	0.135	47	312	126	5.714	1.8	0.081	0.0	1.947	2.1	0.175	1.8	0.83	1214	46	1040	34	1098	28	5.3	N.D.	N.D.	4
SJ2	59	0.084	0.001	0.055	115	1292	167	9.625	1.4	0.067	0.0	0.962	3.2	0.104	1.4	0.44	843	116	637	16	684	32	6.9	N.D.	N.D.	4
SJ2	4	0.081	0.002	0.244	6	81	47	12.121	1.4	0.049	0.1	0.560	10.3	0.083	1.4	0.13	160	446	511	14	451	74	-13.3	N.D.	N.D.	3
SJ2	46	0.070	0.001	0.445	6	93	121	12.300	0.9	0.050	0.0	0.563	4.1	0.081	0.9	0.22	205	180	504	8	454	30	-11.0	N.D.	N.D.	3
SJ2	9	0.082	0.000	0.122	19	181	67	8.045	1.3	0.078	0.0	1.332	2.4	0.124	1.3	0.54	1141	78	755	18	860	28	12.2	N.D.	N.D.	3
SJ2	78	0.103	0.003	0.272	23	193	107	7.231	1.7	0.057	0.1	1.094	10.4	0.138	1.7	0.17	505	422	835	26	750	108	-11.3	N.D.	N.D.	3
SJ2	70	0.256	0.001	0.242	28	81	53	2.510	1.2	0.240	0.0	13.206	2.0	0.398	1.2	0.60	3123	50	2162	44	2695	38	19.8	N.D.	N.D.	3
SJ2	57	0.106	0.003	0.174	89	468	61	4.500	7.8	0.070	0.1	2.132	13.6	0.222	7.8	0.57	917	430	1293	180	1159	180	-11.6	N.D.	N.D.	3
SJ2	85	0.094	0.000	0.159	94	689	398	6.297	0.6	0.092	0.0	2.015	1.6	0.159	0.6	0.39	1468	56	950	12	1121	22	15.3	N.D.	N.D.	3
SJ2	17	0.131	0.000	0.170	106	416	164	3.389	1.1	0.128	0.0	5.214	1.2	0.295	1.1	0.88	2073	21	1667	32	1855	21	10.2	N.D.	N.D.	3
SJ2	45	0.140	0.000	0.017	161	577	35	3.069	0.4	0.139	0.0	6.244	0.7	0.326	0.4	0.58	2215	20	1818	12	2011	12	9.6	N.D.	N.D.	3
SJ2	39	0.387	0.020	0.896	43	166	91	3.340	16.4	0.112	0.9	4.630	87.6	0.299	16.4	0.19	1835	2120	1688	478	1755	1102	3.8	N.D.	N.D.	2
SJ2	37	0.832	0.059	2.053	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1
SJ4	111	0.064	0.001	0.232	6	143	64	26.667	2.4	0.054	0.0	0.390	3.7	0.038	2.4	0.69	389	116	326	16	334	20	2.4	326	16	6
SJ4	89	0.058	0.000	0.064	206	3607	538	15.015	0.4	0.057	0.0	0.521	0.5	0.067	0.4	0.71	483	16	416	4	426	4	2.3	416	4	6
SJ4	69	0.079	0.002	0.240	70	1079	678	13.263	1.1	0.056	0.1	0.586	8.0	0.075	1.1	0.14	469	334	468	10	469	60	0.2	468	10	6
SJ4	80	0.100	0.003	0.386	23	332	288	12.594	0.4	0.057	0.1	0.628	5.9	0.079	0.4	0.07	508	248	492	4	495	46	0.6	492	4	6
SJ4	110	0.071	0.001	0.184	6	88	44	19.268	2.5	0.057	0.1	0.637	5.1	0.052	2.5	0.10	498	214	501	4	500	40	-0.2	501	4	6
SJ4	73	0.060	0.000	0.186	25	355	208	12.240	0.4	0.058	0.0	0.651	1.3	0.082	0.4	0.32	522	54	506	4	509	10	0.6	506	4	6
SJ4	88	0.062	0.000	0.170	36	510	264	12.225	0.5	0.056	0.0	0.634	0.7	0.082	0.5	0.72	462	22	507	6	499	6	-1.6	507	6	6
SJ4	99	0.059	0.000	0.148	41	579	256	12.225	0.4	0.057	0.0	0.643	0.8	0.082	0.4	0.49	493	30	507	4	504	6	-0.6	507	4	6

SJ4	95	0.059	0.000	0.426	40	570	775	12.151	0.6	0.056	0.0	0.639	1.0	0.082	0.6	0.55	464	38	510	6	501	8	-1.8	510	6	6
SJ4	16	0.101	0.003	0.443	28	389	447	12.086	1.8	0.055	0.1	0.625	13.6	0.083	1.8	0.13	402	553	512	17	493	103	-4.0	512	17	6
SJ4	84	0.060	0.000	0.159	13	183	88	12.034	0.7	0.057	0.0	0.652	1.3	0.083	0.7	0.53	489	48	514	6	510	10	-0.8	514	6	6
SJ4	103	0.060	0.000	0.331	47	666	696	12.048	0.5	0.057	0.0	0.648	0.8	0.083	0.5	0.68	477	26	514	6	507	6	-1.4	514	6	6
SJ4	120	0.058	0.000	0.171	71	985	534	11.990	1.0	0.057	0.0	0.652	1.2	0.083	1.0	0.83	479	30	516	10	510	10	-1.2	516	10	6
SJ4	107	0.060	0.000	0.263	27	366	306	11.848	0.4	0.058	0.0	0.671	1.3	0.084	0.4	0.33	517	54	523	4	522	10	-0.2	523	4	6
SJ4	78	0.058	0.000	0.278	233	3170	791	11.710	0.5	0.057	0.0	0.685	0.5	0.085	0.5	0.89	503	10	528	4	524	4	-0.8	528	4	6
SJ4	24	0.147	0.006	0.527	23	313	326	11.708	2.2	0.055	0.2	0.647	18.4	0.085	2.2	0.12	408	728	528	23	506	142	-4.3	528	23	6
SJ4	83	0.064	0.001	0.220	10	133	88	11.547	1.0	0.055	0.0	0.658	1.8	0.087	1.0	0.52	416	68	535	10	513	14	-4.3	535	10	6
SJ4	33	0.063	0.000	0.345	41	527	546	10.973	0.9	0.057	0.0	0.722	1.5	0.091	0.9	0.61	509	51	562	10	551	13	-1.9	562	10	6
SJ4	77	0.062	0.000	0.100	53	611	190	9.980	0.3	0.061	0.0	0.838	0.5	0.100	0.3	0.71	628	14	615	4	618	4	0.5	615	4	6
SJ4	61	0.085	0.002	0.311	32	311	266	8.446	1.1	0.064	0.0	1.038	2.2	0.118	1.1	0.51	729	78	721	16	723	22	0.3	721	16	6
SJ4	86	0.081	0.001	0.203	15	140	74	8.137	1.6	0.066	0.0	1.123	2.8	0.123	1.6	0.22	816	112	747	8	765	30	2.4	747	8	6
SJ4	44	0.066	0.000	0.042	111	1027	83	7.985	0.9	0.063	0.0	1.081	1.2	0.125	0.9	0.80	695	30	761	13	744	12	-2.2	761	13	6
SJ4	59	0.069	0.000	0.130	46	420	163	7.899	0.6	0.065	0.0	1.132	0.7	0.127	0.6	0.83	769	16	769	8	769	8	0.0	769	8	6
SJ4	70	0.070	0.000	0.226	20	177	128	7.587	0.4	0.068	0.0	1.233	0.9	0.132	0.4	0.44	865	32	798	6	816	10	2.2	798	6	6
SJ4	121	0.070	0.000	0.166	21	176	92	7.289	0.5	0.067	0.0	1.274	0.8	0.137	0.5	0.59	849	28	829	8	834	10	0.6	829	8	6
SJ4	50	0.069	0.000	0.292	35	300	288	7.273	0.5	0.066	0.0	1.250	1.1	0.138	0.5	0.47	804	38	830	8	823	10	-0.9	830	8	6
SJ4	72	0.069	0.000	0.138	43	368	151	7.278	0.5	0.066	0.0	1.250	0.8	0.137	0.5	0.54	805	30	830	8	823	10	-0.9	830	8	6
SJ4	106	0.071	0.000	0.149	23	197	88	7.257	0.6	0.065	0.0	1.239	1.1	0.138	0.6	0.56	782	38	832	10	819	12	-1.6	832	10	6
SJ4	18	0.085	0.001	0.188	57	477	236	7.194	1.2	0.065	0.0	1.243	4.7	0.139	1.2	0.26	770	187	839	19	820	53	-2.3	839	19	6
SJ4	20	0.094	0.002	0.236	53	441	258	7.185	1.5	0.063	0.1	1.204	7.9	0.139	1.5	0.19	699	314	840	24	802	86	-4.7	840	24	6
SJ4	54	0.068	0.000	0.047	52	433	60	7.163	0.5	0.066	0.0	1.279	0.9	0.140	0.5	0.54	822	30	842	8	837	10	-0.6	842	8	6
SJ4	67	0.068	0.000	0.247	79	652	537	7.123	0.4	0.066	0.0	1.285	0.8	0.140	0.4	0.45	819	30	847	6	839	10	-1.0	847	6	6
SJ4	97	0.074	0.000	0.151	52	427	190	6.993	1.0	0.072	0.0	1.411	1.5	0.143	1.0	0.62	972	48	862	16	893	18	3.5	862	16	6
SJ4	105	0.067	0.000	0.009	440	3564	101	6.954	0.5	0.067	0.0	1.320	0.5	0.144	0.5	0.91	824	8	866	8	854	6	-1.4	866	8	6
SJ4	101	0.070	0.000	0.467	91	706	1094	6.671	0.5	0.070	0.0	1.442	0.6	0.150	0.5	0.87	921	12	900	8	906	8	0.7	900	8	6
SJ4	47	0.075	0.001	0.188	43	322	176	6.436	1.0	0.068	0.0	1.453	2.0	0.155	1.0	0.49	864	73	931	17	911	24	-2.2	931	17	6
SJ4	52	0.071	0.000	0.106	24	179	61	6.427	1.5	0.067	0.0	1.443	1.9	0.156	1.5	0.80	846	48	932	26	907	22	-2.8	932	26	6
SJ4	19	0.136	0.005	0.341	26	192	108	6.324	1.6	0.067	0.1	1.468	10.2	0.158	1.6	0.16	849	391	946	29	917	119	-3.2	946	29	6
SJ4	79	0.072	0.000	0.014	146	1065	44	6.281	0.4	0.071	0.0	1.562	0.5	0.159	0.4	0.82	962	12	952	8	955	6	0.3	952	8	6
SJ4	87	0.072	0.000	0.062	56	407	80	6.219	0.4	0.071	0.0	1.571	0.6	0.161	0.4	0.69	954	18	961	8	959	8	-0.2	961	8	6
SJ4	90	0.076	0.000	0.190	17	117	71	6.072	0.6	0.071	0.0	1.606	1.6	0.165	0.6	0.41	949	58	983	12	973	20	-1.0	983	12	6
SJ4	94	0.073	0.000	0.212	46	327	261	6.068	0.6	0.072	0.0	1.639	1.0	0.165	0.6	0.55	973	24	983	8	980	8	-0.3	983	8	6
SJ4	82	0.078	0.000	0.245	75	496	341	5.688	0.5	0.074	0.0	1.792	0.9	0.176	0.5	0.51	1039	30	1044	8	1042	12	-0.2	1044	8	6
SJ4	112	0.078	0.000	0.123	35	224	90	5.574	0.6	0.074	0.0	1.842	1.1	0.179	0.6	0.55	1054	36	1064	12	1061	14	-0.3	1064	12	6
SJ4	108	0.076	0.000	0.119	56	366	141	5.559	0.5	0.075	0.0	1.866	0.7	0.180	0.5	0.68	1075	22	1066	10	1069	10	0.3	1066	10	6
SJ4	58	0.079	0.000	0.113	201	1297	1070	5.537	1.1	0.077	0.0	1.929	1.1	0.181	1.1	0.99	1133	6	1070	22	1091	14	1.9	1070	22	6
SJ4	63	0.080	0.000	0.163	30	190	99	5.534	0.4	0.077	0.0	1.919	0.7	0.181	0.4	0.48	1121	26	1071	8	1088	10	1.6	1071	8	6
SJ4	71	0.124	0.003	0.469	83	526	601	5.414	0.4	0.076	0.0	1.929	0.9	0.185	0.4	0.44	1089	32	1092	8	1091	12	-0.1	1092	8	6
SJ4	56	0.079	0.000	0.125	200	1270	578	5.411	0.4	0.078	0.0	1.995	0.4	0.185	0.4	0.94	1155	6	1093	8	1114	6	1.9	1093	8	6
SJ4	116	0.077	0.000	0.040	108	672	86	5.348	0.7	0.076	0.0	1.958	0.7	0.187	0.7	0.93	1093	10	1105	14	1101	10	-0.4	1105	14	6
SJ4	96	0.077	0.000	0.044	68	421	57	5.322	0.4	0.076	0.0	1.966	0.5	0.188	0.4	0.72	1092	16	1110	8	1104	8	-0.5	1110	8	6
SJ4	9	0.098	0.002	0.187	239	1450	774	5.206	1.4	0.076	0.0	2.020	4.0	0.192	1.4	0.35	1102	145	1133	28	1122	53	-0.9	1133	28	6
SJ4	114	0.077	0.000	0.352	61	368	432	5.176	0.5	0.076	0.0	2.012	0.9	0.193	0.5	0.59	1082	28	1139	10	1120	12	-1.7	1139	10	6
SJ4	41	0.078	0.000	0.113	75	452	148	5.164	0.9	0.075	0.0	2.003	1.3	0.194	0.9	0.71	1066	36	1141	19	1116	17	-2.3	1141	19	6
SJ4	34	0.099	0.002	0.386	45	272	280	5.151	1.0	0.074	0.0	1.989	1.9	0.194	1.0	0.51	1050	65	1144	20	1112	26	-2.9	1144	20	6
SJ4	27	0.112	0.003	0.272	41	245	166	5.088	1.3	0.074	0.1	2.000	7.5	0.197	1.3	0.17	1036	284	1157	27	1115	99	-3.7	1157	27	6
SJ4	85	0.082	0.000	0.747	16	93	230	5.033	0.5	0.077	0.0	2.112	1.2	0.199	0.5	0.45	1124	42	1168	12	1153	16	-1.3	1168	12	6
SJ4	30	0.120	0.003	0.212	44	242	110	4.759	1.9	0.079	0.1	2.285	9.2	0.210	1.9	0.21	1169	336	1229	43	1208	126	-1.8	1169	336	6
SJ4	98	0.086	0.001	0.513	17	101	168	4.948	1.0	0.078	0.0	2.181	1.7	0.202	1.0	0.57	1154	56	1187	22	1175	24	-1.0	1187	22	6
SJ4	36	0.098	0.001	0.351	27	143	142	4.483	1.0	0.082	0.0	2.510	1.6	0.223	1.0	0.61	1236	51	1298	23	1275	24	-1.8	1236	51	7
SJ4	81	0.084	0.000	0.213	61	320	223	4.509	0.4	0.082	0.0	2.482	0.9	0.222	0.4	0.60	1255	20	1291	10	1278	12	-1.0	1255	20	7
SJ4	76	0.085	0.000	0.171	57	306	178	4.581	0.6	0.083	0.0	2.488	0.7	0.218	0.6	0.84	1261	16	1273	14	1268	10	-0.4	1261	16	7
SJ4	17	0.121	0.003	0.191	49	234	88	4.078	1.6	0.084	0.1	2.832	6.3	0.245	1.6	0.25	1287	229	1414	41	1364	93	-3.6	1287	229	7
SJ4	38	0.091	0.000	0.165	39	191	95	4.245	1.1	0.085	0.0	2.747	1.6	0.236	1.1	0.71	1306	43	1364	27	1341	23	-1.7	1306	43	7
SJ4	74	0.085	0.000	0.089	103	562	169	4.690	0.8	0.085	0.0	2.487	0.8	0.213	0.8	0.91	1307	14	1246	18	1268	12	1.7	1307	14	7
SJ4	21	0.092	0.000	0.310	244	1155	1249	4.072	0.9	0.085	0.0	2.880	1.5	0.246	0.9	0.64	1317	44	1416	24	1377	22	-2.8	1317	44	7
SJ4	26	0.102	0.000	0.240	92	453	324	4.214	1.4	0.087	0.0	2.836	3.6	0.237	1.4	0.40	1353	123	1373	35	1365	53	-0.5	1353	123	7
SJ4	66	0.091	0.000	0.037	112	523	64	4.008	0.4	0.090	0.0	3.090	0.5	0.250	0.4	0.71	1421	14	1436	10	1430	8	-0.4	1421	14	7
SJ4	92	0.095	0.000	0.275	20	93	84	4.026	0.8	0.091	0.0	3.130	0.9	0.248	0.8	0.83	1455	20	1430	20	1440	14	0.7	1455	20	7
SJ4	29	0.109	0.001	0.070	110	504	57	3.940	1.4	0.092	0.0	3.217	3.4	0.254	1.4	0.40	1466	116	1458	36	1461	52	0.2	1466	116	7
SJ4	23	0.122	0.002	0.289	57	228	188	3.448	1.3	0.093	0.1	3.724	5.2	0.290	1.3	0.25	1490	186	1642	38	1577	82	-4.1	1490	186	7
SJ4	15	0.117	0.002	0.557	92	401	665	3.758	1.1	0.098	0.0	3.485	2.7	0.266	1.1	0.40	1527	94	1521	30	1524	43	0.2	1527	94	7
SJ4	51	0.100	0.000	0.155	41	168	86	3.554	0.4	0.098	0.0	3.806	0.6	0.281	0.4	0.67	1588	16	1599	10	1594	10	-0.3	1588	16	7
SJ4	22	0.108	0.001	0.338	167	725	795	3.732	1.1	0.099	0.0	3.669	1.8	0.268	1.1	0.61	1611	51	1530	29	1565	28	2.2	1611	51	7
SJ4	93	0.104	0.000	0.310	29	137	134	4.037	1.4	0.099	0.0	3.394	1.4	0.248	1.4	0.95	1613	16	1426	34	1503	22	5.1	1613	16	7
SJ4	68	0.103	0.000	0.140	79	323	153	3.516	0.5	0.103	0.0	4.031	0.8	0.284	0.5	0.67	1675	22	1613	16	1640	12	1.7	1675	22	7
SJ4	91	0.104	0.000	0.232	302	1519	1259	4.327	0.4	0.100	0.0	3.285	0.4	0.231	0.4	0.98	1681	4	1340	10	1478	6	9.3	1681	4	7
SJ4	39	0.116	0.001	0.182	64	235	118	3.132	1.0	0.104	0.0	4.560	1.2	0.319	1.0	0.79	1689	28	1786	30	1742	21	-2.5	1689	28	7
SJ4	104	0.106	0.000	0.157	101	393	211	3.328	0.3	0.103	0.0	4.359	0.4	0.301	0.3	0.79	1718	10	1694	10	1705	8	0.6	1718	10	7
SJ4	42	0.109	0.000	0.166	74	262	138	3.025	0.9	0.105	0.0	4.804	1.0	0.331	0.9	0.92	1721	14	1841	29	1786	16	-3.1	1721	14	7
SJ4	53	0.107	0.000	0.147	153	582	345	3.278	0.5	0.106	0.0	4.472	0.5	0.305	0.5	0.90	1737	8	1717	14	1726	8	0.5	1737	8	7
SJ4	109	0.109	0.000	0.187	79	292	188	3.167	0.4	0.107	0.0	4.667	0.5	0.316	0.4	0.83	1752	10	1769	12	1761	8	-0.5	1752	10	7
SJ4	45	0.111	0.000	0.249	86	283	233	2.813	0.9	0.107	0.0	5.261	1.1	0.356	0.9	0.82	1755	23	1961	31	1863	19	-5.3	1755	23	7
SJ4	113	0.110	0.000	0.224	41	195	144	4.115	1.1	0.107	0.0	3.601	2.0	0.243	1.1	0.55	1757	62	1402	28	1550	32	9.5	1757	62	7
SJ4	57	0.110	0.000	0.130	44	164	72	3.183	0.4	0.108	0.0	4.677	0.6	0.314	0.4	0.70	1766	14	1761	12	1763	10	0.1	1766	14	7
SJ4	60	0.122	0.000	0.044	114	382	57	2.868	0.4	0.121	0.0	5.841	0.5	0.349	0.4	0.90	1978	8	1928	14	1952	8	1.2	1978	8	7
SJ4	37	0.125	0.000	0.037	381	1239	130	2.796	1.5	0.124	0.0	6.124	1.8	0.358	1.5	0.87	2017	30	1971	52	1994	30	1.1	2017	30	7
SJ4	48	0.149	0.000	0.277	118	311	275	2.277	0.9	0.147	0.0	8.988	1.0	0.443	0.9	0.97	2313	8	2364	36	2337	17	-1.2	2313	8	7
SJ4	13	0.208	0.004	0.209	134	299	111	1.913	6.2	0.151	0.1	10.861	13.1	0.523	6.2	0.47	2354	369	2711	271	2511	230	-8.0	2354	369	7
SJ4	117	0.152	0.000	0.359	59	172	219	2.520	0.4	0.152	0.0	8.297	0.5	0.397	0.4	0.85	2365	10	2154	16	2264	10	4.9	2365	10	7
SJ4	7	0.219	0.005	0.395	40	108	90	2.324	3.3	0.153	0.1	9.062	8.2	0.430	3.3	0.40	2377	246	2307	127	2344	145	1.6	2377	246	7
SJ4	6	0.177	0.001	0.304	230	573	667	2.144	1.4	0.161	0.0	10.379	2.2	0.466	1.4	0.65	2470	55	2468	58	2469	40	0.0	2470	55	7
SJ4	62	0.163	0.000	0.259	201	503	467	2.150	0.4	0.163	0.0	10.435	0.4	0.465	0.4	0.95	2484	4	2463	14	2474	8	0.4	2484	4	7
SJ4	115	0.166	0.000	0.173	178	438	338	2.111	0.6	0.165	0.0	10.793	1.2	0.474	0.6	0.51	2511	36	2499	26	2505	22	0.2	2511	36	7
SJ4	75	0.173	0.000	0.111	25	64	25	2.229	0.5	0.173	0.0	10.440	0.6	0.449	0.5	0.76	2546	14	2389	18	2475	12	3.5	2546	14	7
SJ4	102	0.173	0.000	0.131	83	230	104	2.366	0.6	0.173	0.0	10.060	0.7	0.423	0.6	0.87	2583	12	2272	24	2440	14	6.9	2583	12	7
SJ4	65	0.182	0.000	0.112	238	578	233	2.089	0.4	0.182	0.0	12.020	0.4	0.479	0.4	0.88	2671	8	2522	16	2605	8	3.2	2671	8	7
SJ4	64	0.192	0.000	0.089	124	276	89	1.909	0.5	0.190	0.0	13.796	0.5	0.524	0.5	0.94	2751	6	2716	22	2736	10	0.7	2751	6	7
SJ4	40	0.208	0.000	0.201	40	80	53	1.709	1.0	0.204	0.0	16.443	1.1	0.585	1.0	0.94	2856	18	2970	49	2903	21	-2.3	2856	12	7
SJ4	118	0.058	0.000	0.222	6	196	67	12.376	2.5	0.055	0.0	0.283	2.7	0.081	2.5	0.90	402	52	237	12	264	21	-2.3	N.D.	N.D.	4
SJ4	43	0.129	0.004	0.277	12	85	34	5.855	1.4	0.057	0.1	1.583	3.7	0.171	1.4	0.38	845	139	1017	26	964	45	-5.5	N.D.	N.D.	4
SJ4	25	0.139	0.006	0.370	41	632	348	13.141	1.5	0.050	0.2	0.530	15.1	0.076	1.5	0.10	217	632	473	13	432	104	-9.6	N.D.	N.D.	4
SJ4	4	0.149	0.006	0.486	43	318	361	6.366	2.7	0.062	0.2	1.341	20.0	0.157	2.7	0.14	671	751	941	47	864	220	-8.9	N.D.	N.D.	4
SJ4	3	0.120	0.003	0.517	59	345	527	5.041	2.3	0.071	0.1	1.951	10.8	0.198	2.3	0.21	967	404	1166	49	1099	140	-6.2	N.D.	N.D.	4
SJ4	28	0.081	0.002	0.056	96	860	42	7.711	1.1	0.058	0.1	1.037	5.3	0.130	1.1	0.21	530	217	786	16	723	54	-8.4	N.D.	N.D.	4
SJ4	32	0.092	0.000	0.181	101	577	272	4.928	1.0	0.089	0.0	2.498	1.3	0.203	1.0	0.80	1410	29	1191	22	1272	18	6.3	N.D.	N.D.	4
SJ4	46	0.422	0.027	1.056	2	102	35	44.208	2.7	0.026	0.5	0.081	45.4	0.023	2.7	0.06	0	[illegible]	144	8	79	68	-81.7	N.D.	N.D.	3
SJ4	2	0.345	0.019	1.009	17	62	76	3.172	7.2	0.076	0.4	3.307	36.9	0.315	7.2	0.20	1097	1185	1767	221	1483	506	-19.1	N.D.	N.D.	3
SJ4	1	0.211	0.013	0.279	18	235	38	11.534	6.1	0.017	1.7	0.203	170.1	0.087	6.1	0.04	0	[illegible]	536	62	188	513	-185.6	N.D.	N.D.	3
SJ4	12	0.365	0.023	0.842	20	1730	36	73.304	28.4	0.017	2.5	0.032	249.7	0.014	28.4	0.11	0	1216	87	49	32	154	-169.0	N.D.	N.D.	3
SJ4	8	0.150	0.007	0.331	43	728	425	14.699	2.0	0.045	0.3	0.420	33.2	0.068	2.0	0.06	0	1183	424	8	356	190	-19.1	N.D.	N.D.	3
SJ4	10	0.136	0.007	0.233	52	436	95	7.148	2.7	0.032	0.4	0.618	36.3	0.140	2.7	0.08	0	[illegible]	844	43	488	264	-72.9	N.D.	N.D.	3
SJ4	31	0.103	0.000	0.193	64	389	312	5.240	0.9	0.099	0.0	2.599	1.1	0.191	0.9	0.85	1601	21	1126	19	1300	16	13.4	N.D.	N.D.	3
SJ4	55	0.147	0.000	0.092	76	336	75	3.797	0.5	0.146	0.0	5.302	0.9	0.263	0.5	0.56	2300	26	1507	14	1869	16	19.4	N.D.	N.D.	3
SJ4	5	0.081	0.001	0.149	195	2444	1494	10.747	1.1	0.069	0.0	0.882	3.6	0.093	1.1	0.30	891	140	574	12	642	34	10.7	N.D.	N.D.	2
SJ4	14	0.195	0.009	0.544	27	347	277	10.904	11.8	0.063	0.5	0.796	54.4	0.092	11.8	0.21	707	1698	566	127	595	439	4.9	N.D.	N.D.	2
SJ4	11	0.124	0.004	0.383	63	773	948	10.480	13.5	0.071	0.1	0.936	17.6	0.095	13.5	0.77	962	429	588	151	671	166	12.4	N.D.	N.D.	2
SJ4	35	0.775	0.053	1.671	9791	43986	1764	3.860	68.4	-0.303	-0.3	-10.823	73.5	0.259	68.4	0.93	0	0	1485	1699	N.D.	N.D.	N.D.	N.D.	N.D.	2
SJ4	119	0.074	0.000	0.154	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1
SJ6b	85	0.106	0.004	0.372	53	1106	640	17.854	1.8	0.054	0.1	0.417	15.0	0.056	1.8	0.12	371	607	351	12	354	88	0.7	351	12	6
SJ6b	43	0.066	0.001	0.370	71	978	1053	11.879	1.1	0.055	0.0	0.643	2.7	0.084	1.1	0.40	429	110	521	11	504	22	-3.3	521	11	6
SJ6b	10	0.073	0.001	0.223	14	195	113	11.769	1.1	0.055	0.0	0.648	4.7	0.085	1.1	0.24	425	197	526	11	507	37	-3.6	526	11	6
SJ6b	51	0.100	0.003	0.340	41	555	466	11.730	1.8	0.055	0.1	0.641	13.7	0.085	1.8	0.13	395	559	527	18	503	106	-4.8	527	18	6
SJ6b	19	0.066	0.001	0.243	33	442	311	11.552	0.9	0.055	0.0	0.660	2.1	0.087	0.9	0.44	423	84	535	10	514	17	-4.0	535	10	6
SJ6b	25	0.064	0.001	0.194	40	536	309	11.542	1.1	0.056	0.0	0.672	2.6	0.087	1.1	0.41	462	103	536	11	522	21	-2.7	536	11	6
SJ6b	21	0.061	0.000	0.252	62	824	648	11.399	1.0	0.056	0.0	0.680	1.5	0.088	1.0	0.64	461	51	542	10	527	12	-2.9	542	10	6
SJ6b	6	0.060	0.000	0.144	61	805	358	11.355	0.9	0.056	0.0	0.683	1.2	0.088	0.9	0.78	463	32	544	9	529	10	-2.9	544	9	6
SJ6b	41	0.059	0.000	0.189	165	2160	1311	11.238	0.9	0.057	0.0	0.694	1.1	0.089	0.9	0.85	475	25	550	10	535	9	-2.6	550	10	6
SJ6b	9	0.061	0.000	0.206	58	729	461	10.758	0.9	0.057	0.0	0.736	1.2	0.093	0.9	0.73	507	37	573	10	560	11	-2.3	573	10	6
SJ6b	8	0.059	0.000	0.038	253	2964	338	10.069	0.9	0.057	0.0	0.785	1.1	0.099	0.9	0.84	503	26	610	10	588	10	-3.8	610	10	6
SJ6b	11	0.058	0.000	0.089	354	4084	1151	9.912	0.9	0.057	0.0	0.796	1.0	0.101	0.9	0.94	501	15	620	11	595	9	-4.2	620	11	6
SJ6b	78	0.106	0.003	0.148	69	710	90	8.907	1.4	0.062	0.1	0.954	10.6	0.112	1.4	0.14	660	420	686	19	680	102	-0.9	686	19	6
SJ6b	16	0.075	0.001	0.207	17	180	89	8.834	1.0	0.059	0.0	0.927	3.4	0.113	1.0	0.29	580	139	691	13	666	33	-3.8	691	13	6
SJ6b	33	0.069	0.000	0.091	82	804	160	8.415	1.1	0.063	0.0	1.029	2.1	0.119	1.1	0.52	702	75	724	15	719	21	-0.7	724	15	6
SJ6b	20	0.083	0.001	0.152	79	729	295	7.972	1.0	0.063	0.0	1.084	5.1	0.125	1.0	0.20	697	206	762	15	746	53	-2.2	762	15	6
SJ6b	3	0.074	0.001	0.114	26	212	67	7.089	0.9	0.063	0.0	1.229	2.2	0.141	0.9	0.41	714	85	851	15	814	25	-4.5	851	15	6
SJ6b	34	0.068	0.000	0.032	296	2429	220	7.050	0.9	0.066	0.0	1.299	1.0	0.142	0.9	0.96	819	12	855	15	845	11	-1.2	855	15	6
SJ6b	32	0.070	0.000	0.026	213	1738	129	7.002	0.9	0.067	0.0	1.327	1.0	0.143	0.9	0.92	850	16	861	15	858	12	-0.3	861	15	6
SJ6b	17	0.078	0.001	0.159	33	254	119	6.629	1.0	0.068	0.0	1.415	1.9	0.151	1.0	0.53	870	65	906	17	895	22	-1.2	906	17	6
SJ6b	87	0.102	0.002	0.125	175	1188	271	5.826	1.6	0.071	0.0	1.671	4.5	0.172	1.6	0.36	946	168	1021	31	998	57	-2.4	1021	31	6
SJ6b	4	0.075	0.000	0.154	84	563	272	5.773	0.9	0.071	0.0	1.691	1.1	0.173	0.9	0.83	952	26	1030	18	1005	15	-2.5	1030	18	6
SJ6b	12	0.084	0.001	0.218	16	109	68	5.769	1.1	0.071	0.0	1.704	2.8	0.173	1.1	0.38	966	106	1031	21	1010	36	-2.0	1031	21	6
SJ6b	13	0.080	0.000	0.148	407	2578	1367	5.445	1.1	0.078	0.0	1.967	1.2	0.184	1.1	0.98	1139	9	1087	23	1104	15	1.6	1087	23	6
SJ6b	73	0.105	0.002	0.218	105	650	349	5.337	1.7	0.071	0.1	1.839	7.4	0.187	1.7	0.23	962	280	1107	35	1059	95	-4.5	1107	35	6
SJ6b	44	0.085	0.001	0.211	45	275	174	5.266	1.0	0.074	0.0	1.950	2.5	0.190	1.0	0.41	1055	92	1121	21	1099	34	-2.0	1121	21	6
SJ6b	37	0.085	0.001	0.249	142	794	629	4.812	0.9	0.077	0.0	2.216	1.1	0.208	0.9	0.79	1130	27	1217	20	1186	16	-2.6	1130	27	7
SJ6b	69	0.085	0.001	0.035	350	2105	92	5.168	1.6	0.072	0.0	1.927	3.3	0.193	1.6	0.48	993	117	1140	33	1091	44	-4.6	1140	33	6
SJ6b	31	0.085	0.000	0.140	124	699	293	4.829	1.0	0.078	0.0	2.231	1.6	0.207	1.0	0.62	1151	50	1213	22	1191	22	-1.9	1151	50	7
SJ6b	57	0.151	0.005	0.597	30	170	266	4.913	2.3	0.082	0.1	2.287	13.0	0.204	2.3	0.18	1234	465	1194	50	1208	176	1.2	1194	50	6
SJ6b	53	0.087	0.001	0.057	152	869	118	4.899	1.0	0.075	0.0	2.123	2.2	0.204	1.0	0.47	1080	79	1197	23	1156	31	-3.6	1197	23	6
SJ6b	30	0.105	0.001	0.214	22	115	61	4.518	1.3	0.086	0.0	2.611	3.3	0.221	1.3	0.40	1328	115	1289	31	1304	48	1.1	1328	115	7
SJ6b	47	0.107	0.001	0.104	105	574	280	4.682	1.2	0.088	0.0	2.590	3.1	0.214	1.2	0.40	1381	106	1248	28	1298	44	3.8	1381	106	7
SJ6b	48	0.109	0.001	0.189	82	391	199	4.088	1.3	0.089	0.0	2.995	4.3	0.245	1.3	0.30	1399	155	1411	33	1406	65	-0.3	1399	155	7
SJ6b	59	0.128	0.002	0.229	52	224	129	3.688	1.9	0.095	0.1	3.535	5.7	0.271	1.9	0.34	1519	194	1547	53	1535	88	-0.8	1519	194	7
SJ6b	5	0.125	0.002	0.267	170	919	266	4.656	1.0	0.095	0.0	2.818	1.3	0.215	1.0	0.73	1531	34	1254	22	1360	20	7.8	1531	34	7
SJ6b	79	0.147	0.004	0.277	58	219	132	3.224	1.6	0.098	0.1	4.206	7.6	0.310	1.6	0.22	1593	264	1742	50	1675	120	-4.0	1593	264	7
SJ6b	88	0.121	0.002	0.162	67	289	104	3.701	0.5	0.100	0.0	3.713	0.9	0.270	0.5	0.61	1618	26	1542	14	1574	14	2.0	1618	26	7
SJ6b	39	0.114	0.001	0.424	404	1620	2174	3.447	1.1	0.102	0.0	4.099	1.5	0.290	1.1	0.74	1669	36	1642	32	1654	24	0.7	1669	36	7
SJ6b	27	0.108	0.000	0.132	158	597	260	3.251	1.2	0.105	0.0	4.468	1.3	0.308	1.2	0.88	1720	23	1729	35	1725	22	-0.2	1720	23	7
SJ6b	42	0.117	0.001	0.126	47	166	61	3.061	1.0	0.106	0.0	4.785	2.2	0.327	1.0	0.47	1735	71	1822	33	1782	37	-2.3	1735	71	7
SJ6b	46	0.124	0.001	0.245	74	252	207	2.927	2.0	0.112	0.0	5.286	2.7	0.342	2.0	0.73	1836	65	1895	64	1867	45	-1.5	1836	65	7
SJ6b	36	0.150	0.002	0.218	62	259	126	3.590	1.1	0.121	0.0	4.647	1.7	0.279	1.1	0.63	1971	48	1584	31	1758	29	9.9	1971	48	7
SJ6b	82	0.150	0.002	0.109	133	403	124	2.608	1.8	0.129	0.0	6.845	3.1	0.383	1.8	0.57	2091	89	2092	64	2091	55	0.0	2091	89	7
SJ6b	64	0.198	0.005	0.454	22	68	77	2.616	2.8	0.130	0.1	6.844	9.6	0.382	2.8	0.29	2096	305	2087	98	2091	163	0.2	2096	305	7
SJ6b	77	0.155	0.002	0.196	160	599	385	3.220	1.6	0.134	0.0	5.724	2.7	0.311	1.6	0.60	2147	75	1743	50	1935	46	9.9	2147	75	7
SJ6b	65	0.187	0.003	0.246	56	175	101	2.670	2.0	0.146	0.0	7.538	4.3	0.374	2.0	0.47	2299	128	2050	71	2177	76	5.8	2299	128	7
SJ6b	67	0.169	0.001	0.173	220	585	363	2.288	1.4	0.161	0.0	9.687	1.7	0.437	1.4	0.83	2463	32	2338	55	2405	31	2.8	2463	32	7
SJ6b	38	0.167	0.000	0.266	191	535	457	2.404	0.9	0.164	0.0	9.397	0.9	0.416	0.9	0.96	2496	8	2242	34	2378	17	5.7	2496	8	7
SJ6b	84	0.204	0.002	0.263	105	219	196	1.795	1.0	0.186	0.0	14.307	2.4	0.557	1.0	0.42	2709	71	2855	47	2770	45	-3.1	2709	71	7
SJ6b	7	0.193	0.000	0.095	84	195	62	1.983	1.0	0.191	0.0	13.290	1.1	0.504	1.0	0.93	2752	13	2633	43	2700	20	2.5	2752	13	7
SJ6b	35	0.208	0.001	0.148	45	92	43	1.784	1.0	0.199	0.0	15.399	1.5	0.560	1.0	0.64	2820	38	2868	44	2840	28	-1.0	2820	38	7
SJ6b	74	0.267	0.003	0.230	88	163	92	1.588	1.8	0.227	0.0	19.738	3.8	0.630	1.8	0.48	3034	106	3148	90	3079	72	-2.3	3034	106	7
SJ6b	15	0.074	0.001	0.320	14	184	166	11.640	1.2	0.053	0.1	0.624	5.4	0.086	1.2	0.22	315	230	531	12	492	42	-7.9	N.D.	N.D.	4
SJ6b	63	0.120	0.005	0.485	15	194	223	11.332	2.4	0.054	0.2	0.660	20.8	0.088	2.4	0.11	380	815	545	25	514	161	-6.0	N.D.	N.D.	4
SJ6b	18	0.093	0.003	0.602	21	297	478	11.948	1.0	0.053	0.0	0.608	4.5	0.084	1.0	0.23	316	194	518	10	482	34	-7.4	N.D.	N.D.	4
SJ6b	28	0.071	0.001	0.221	24	336	210	11.874	1.0	0.052	0.0	0.603	4.3	0.084	1.0	0.23	283	185	521	10	479	32	-8.7	N.D.	N.D.	4
SJ6b	80	0.142	0.006	0.379	27	366	223	11.488	4.5	0.052	0.2	0.627	24.8	0.087	4.5	0.18	295	957	538	47	494	186	-8.9	N.D.	N.D.	4
SJ6b	56	0.112	0.005	0.402	32	1773	1497	48.083	2.5	0.044	0.2	0.126	20.0	0.021	2.5	0.12	0	637	133	6	121	45	-9.9	N.D.	N.D.	4
SJ6b	40	0.079	0.002	0.363	39	536	546	11.844	1.1	0.054	0.0	0.628	4.7	0.084	1.1	0.23	367	201	523	11	495	37	-5.6	N.D.	N.D.	4
SJ6b	1	0.089	0.000	0.462	39	272	330	5.922	1.0	0.083	0.0	1.923	1.2	0.169	1.0	0.80	1260	29	1006	18	1089	16	7.7	N.D.	N.D.	4
SJ6b	26	0.078	0.000	0.108	73	619	184	7.281	1.0	0.073	0.0	1.381	1.5	0.137	1.0	0.69	1012	44	830	16	881	18	5.8	N.D.	N.D.	4
SJ6b	62	0.090	0.002	0.129	74	538	149	6.275	2.2	0.062	0.1	1.369	6.1	0.159	2.2	0.35	684	236	953	38	876	71	-8.9	N.D.	N.D.	4
SJ6b	60	0.088	0.002	0.239	85	650	395	6.589	2.2	0.063	0.1	1.327	7.0	0.152	2.2	0.31	723	270	911	37	858	79	-6.2	N.D.	N.D.	4
SJ6b	22	0.058	0.000	0.007	132	4645	54	30.144	1.2	0.055	0.0	0.252	1.3	0.033	1.2	0.89	419	27	210	5	228	5	7.9	N.D.	N.D.	4
SJ6b	29	0.086	0.002	0.227	147	3862	2378	22.523	0.9	0.058	0.0	0.353	1.7	0.044	0.9	0.55	519	61	280	5	307	9	8.8	N.D.	N.D.	4
SJ6b	50	0.078	0.001	0.192	188	1307	824	5.963	1.2	0.066	0.0	1.522	2.9	0.168	1.2	0.42	801	107	999	22	939	35	-6.4	N.D.	N.D.	4
SJ6b	23	0.120	0.005	0.810	11	148	302	12.012	2.0	0.046	0.1	0.528	12.4	0.083	2.0	0.16	0	538	516	19	430	85	-19.8	N.D.	N.D.	3
SJ6b	2	0.058	0.001	0.278	13	1420	1079	97.239	1.1	0.039	0.0	0.056	4.3	0.010	1.1	0.25	0	0	66	1	55	5	-20.1	N.D.	N.D.	3
SJ6b	49	0.223	0.013	0.650	13	186	131	11.943	4.8	0.031	0.7	0.361	73.9	0.084	4.8	0.07	0	771	518	48	313	363	-65.5	N.D.	N.D.	3
SJ6b	55	0.147	0.007	0.456	17	245	198	12.278	4.0	0.048	0.3	0.544	29.4	0.081	4.0	0.14	122	1145	505	39	441	200	-14.4	N.D.	N.D.	3
SJ6b	52	0.207	0.012	0.679	18	252	238	11.908	2.8	0.024	0.6	0.276	62.5	0.084	2.8	0.04	0	0	520	28	247	257	-110.1	N.D.	N.D.	3
SJ6b	86	0.179	0.009	0.654	19	248	308	11.417	4.7	0.051	0.4	0.619	43.8	0.088	4.7	0.11	252	1555	541	49	489	314	-10.6	N.D.	N.D.	3
SJ6b	81	0.197	0.011	0.705	25	369	413	12.523	5.0	0.034	0.6	0.379	59.0	0.080	5.0	0.09	0	796	495	48	326	305	-51.8	N.D.	N.D.	3
SJ6b	71	0.258	0.015	0.769	28	408	422	12.648	5.5	0.033	0.9	0.360	88.2	0.079	5.5	0.06	0	1358	491	52	312	426	-57.0	N.D.	N.D.	3
SJ6b	54	0.121	0.005	0.299	30	219	134	6.215	1.6	0.054	0.2	1.197	15.8	0.161	1.6	0.10	369	641	962	28	799	168	-20.4	N.D.	N.D.	3
SJ6b	70	0.165	0.008	0.494	31	187	175	5.228	4.2	0.047	0.3	1.247	34.0	0.191	4.2	0.12	63	1307	1128	86	822	351	-37.3	N.D.	N.D.	3
SJ6b	68	0.253	0.015	0.637	33	429	243	11.237	4.6	0.031	0.7	0.382	73.3	0.089	4.6	0.06	0	737	550	49	329	375	-67.2	N.D.	N.D.	3
SJ6b	66	0.103	0.004	0.346	34	466	391	11.778	2.3	0.044	0.2	0.509	23.0	0.085	2.3	0.10	0	696	525	24	418	152	-25.7	N.D.	N.D.	3
SJ6b	24	0.091	0.001	0.132	36	399	126	9.634	1.0	0.071	0.0	1.010	3.8	0.104	1.0	0.26	944	146	637	12	709	38	10.2	N.D.	N.D.	3
SJ6b	83	0.119	0.004	0.261	41	364	160	7.577	2.0	0.057	0.2	1.042	18.1	0.132	2.0	0.11	501	708	799	30	725	180	-10.2	N.D.	N.D.	3
SJ6b	75	0.166	0.009	0.668	54	790	1082	12.540	3.0	0.036	0.3	0.396	33.5	0.080	3.0	0.09	0	200	495	28	339	184	-46.0	N.D.	N.D.	3
SJ6b	14	0.106	0.000	0.069	81	488	106	5.177	1.2	0.102	0.0	2.721	1.5	0.193	1.2	0.82	1664	32	1138	26	1334	22	14.7	N.D.	N.D.	3
SJ6b	45	0.112	0.001	0.182	91	523	331	4.956	1.0	0.100	0.0	2.780	1.6	0.202	1.0	0.61	1623	47	1185	21	1350	24	12.3	N.D.	N.D.	3
SJ6b	72	0.106	0.004	0.155	91	759	119	7.138	2.0	0.055	0.1	1.058	13.0	0.140	2.0	0.15	402	528	845	31	733	131	-15.4	N.D.	N.D.	3
SJ6b	76	0.831	0.054	1.920	12499	9282	998	0.638	104.1	-0.002	-27.8	-0.424	2781.2	1.567	104.1	0.04	0	622	6078	6345	-560	0	1184.6	N.D.	N.D.	2
SJ6b	58	0.844	0.053	2.009	13316	23076	3686	1.489	65.4	0.285	0.2	26.435	69.3	0.672	65.4	0.94	3393	636	3312	3008	3363	1039	1.5	N.D.	N.D.	2
SJ6b	61	0.875	0.055	2.065	37251	24764	897	0.571	190.8	0.425	0.4	102.510	195.1	1.751	190.8	0.98	3999	1011	6523	10249	4711	2185	-38.5	N.D.	N.D.	2
SJ6b	89	0.849	0.050	1.711	N.D	N.D	N.D	0.764	84.9	0.613	0.4	110.489	94.9	1.308	84.9	0.89	4538	1218	5392	5063	4786	1346	-12.7	N.D.	N.D.	2
SJ6b	88	0.832	0.049	1.995	N.D	N.D	N.D	-0.203	51.2	0.533	0.4	-362.237	68.1	-4.925	51.2	0.75	4336	1157	N.D	0	N.D	0	N.D.	N.D.	N.D.	1
SJ9	18	0.153	0.007	0.238	1	1577	24	1000.000	3.2	0.048	0.3	0.006	27.1	0.001	3.2	0.12	78	1080	6	0	6	4	0.0	6	0	5
SJ9	2	0.050	0.000	0.013	23	6022	82	221.643	0.6	0.046	0.0	0.029	1.1	0.005	0.6	0.52	5	46	29	0	29	1	-1.0	29	0	5
SJ9	16	0.062	0.000	0.031	6	1106	6	164.537	1.2	0.049	0.0	0.041	4.3	0.006	1.2	0.28	167	188	39	1	41	3	5.2	39	1	5
SJ9	2	0.057	0.000	0.127	6	1071	58	161.290	8.1	0.052	0.0	0.044	8.2	0.006	8.1	0.99	269	54	40	6	44	6	9.1	40	6	5
SJ9	11	0.052	0.000	0.014	11	2024	7	159.995	0.8	0.044	0.0	0.038	1.5	0.006	0.8	0.56	0	0	40	1	38	1	-7.0	40	1	5
SJ9	22	0.062	0.001	0.049	5	857	50	136.986	4.8	0.048	0.0	0.049	5.6	0.007	4.8	0.85	121	136	47	4	48	6	2.1	47	4	5
SJ9	36	0.099	0.004	0.351	5	724	505	128.141	1.9	0.045	0.1	0.048	14.6	0.008	1.9	0.13	0	525	50	2	48	14	-4.5	50	2	5
SJ9	48	0.399	0.024	0.889	6	771	5	102.547	6.7	0.053	0.7	0.071	73.9	0.010	6.7	0.09	309	2284	63	8	69	97	9.7	63	8	5
SJ9	62	0.196	0.010	0.436	10	839	59	69.803	11.9	0.051	0.6	0.101	57.8	0.014	11.9	0.21	253	1902	92	22	98	105	6.4	92	22	5
SJ9	17	0.071	0.001	0.067	16	1234	55	68.027	18.8	0.051	0.1	0.102	21.6	0.015	18.8	0.87	221	454	94	36	99	40	5.1	94	36	5
SJ9	75	0.083	0.002	0.141	22	805	76	30.791	1.0	0.052	0.1	0.231	7.1	0.032	1.0	0.14	266	309	206	4	211	27	2.3	206	4	6
SJ9	88	0.087	0.002	0.160	78	2305	706	25.247	2.2	0.054	0.0	0.296	2.4	0.040	2.2	0.92	377	42	250	11	263	11	4.8	250	11	6
SJ9	5	0.058	0.000	0.104	34	739	190	18.574	4.7	0.054	0.0	0.401	4.8	0.054	4.7	0.98	371	46	338	31	342	28	1.2	338	31	6
SJ9	3	0.061	0.000	0.306	28	542	424	16.835	0.7	0.057	0.0	0.463	1.1	0.059	0.7	0.64	474	38	372	6	386	8	3.6	372	6	6
SJ9	6	0.060	0.000	0.070	18	328	51	15.601	3.3	0.057	0.0	0.508	3.4	0.064	3.3	0.97	510	34	400	26	417	24	4.1	400	26	6
SJ9	13	0.059	0.000	0.013	94	1716	42	15.620	3.1	0.058	0.0	0.512	3.2	0.064	3.1	0.99	531	18	400	24	420	22	4.7	400	24	6
SJ9	4	0.062	0.000	0.192	10	167	91	14.514	2.4	0.058	0.0	0.546	2.8	0.069	2.4	0.85	513	64	429	20	443	20	3.2	429	20	6
SJ9	80	0.059	0.000	0.189	83	1373	730	14.179	1.7	0.056	0.0	0.548	1.9	0.071	1.7	0.94	467	28	439	15	444	13	1.0	439	15	6
SJ9	10	0.059	0.000	0.257	16	266	223	13.870	0.6	0.057	0.0	0.569	0.7	0.072	0.6	0.77	499	20	449	4	457	6	1.8	449	4	6
SJ9	86	0.061	0.000	0.015	160	2569	50	13.793	2.5	0.057	0.0	0.574	2.7	0.072	2.5	0.91	506	49	451	22	460	20	2.0	451	22	6
SJ9	85	0.066	0.001	0.028	23	364	1	13.760	2.0	0.054	0.1	0.539	6.6	0.073	2.0	0.30	363	272	452	17	438	46	-3.3	452	17	6
SJ9	57	0.067	0.001	0.054	117	1854	152	13.638	2.2	0.055	0.0	0.556	3.1	0.073	2.2	0.70	412	97	456	19	449	22	-1.6	456	19	6
SJ9	33	0.064	0.001	0.018	75	1179	9	13.500	1.3	0.057	0.0	0.578	2.3	0.074	1.3	0.59	475	79	461	12	463	17	0.5	461	12	6
SJ9	5	0.059	0.000	0.010	50	764	13	13.245	0.5	0.058	0.0	0.601	1.1	0.076	0.5	0.42	520	46	469	4	478	8	1.9	469	4	6
SJ9	58	0.065	0.001	0.055	123	1891	196	13.226	1.5	0.056	0.0	0.581	3.0	0.076	1.5	0.51	442	111	470	14	465	22	-1.0	470	14	6
SJ9	31	0.064	0.000	0.021	79	1190	42	12.954	7.3	0.060	0.0	0.638	7.4	0.077	7.3	0.98	600	59	479	67	501	58	4.3	479	67	6
SJ9	9	0.057	0.000	0.055	210	3111	415	12.753	1.5	0.057	0.0	0.614	1.6	0.078	1.5	0.95	485	21	487	14	486	12	-0.1	487	14	6
SJ9	8	0.058	0.000	0.050	150	2202	339	12.626	0.4	0.057	0.0	0.620	0.5	0.079	0.4	0.78	483	14	491	4	490	4	-0.2	491	4	6
SJ9	6	0.061	0.000	0.107	36	519	185	12.439	0.8	0.058	0.0	0.643	1.1	0.080	0.8	0.75	530	31	498	8	504	9	1.1	498	8	6
SJ9	23	0.058	0.000	0.138	77	1120	520	12.434	1.0	0.057	0.0	0.633	1.0	0.080	1.0	0.98	494	9	499	9	498	8	-0.2	499	9	6
SJ9	44	0.060	0.000	0.120	45	645	245	12.301	1.1	0.057	0.0	0.635	1.4	0.081	1.1	0.76	477	39	504	10	499	11	-1.0	504	10	6
SJ9	12	0.057	0.000	0.037	318	4510	518	12.168	0.9	0.057	0.0	0.648	1.0	0.082	0.9	0.90	497	19	509	9	507	8	-0.4	509	9	6
SJ9	79	0.062	0.000	0.011	72	969	13	11.621	1.6	0.059	0.0	0.696	1.8	0.086	1.6	0.88	554	37	532	16	536	15	0.8	532	16	6
SJ9	14	0.061	0.000	0.011	78	1053	27	11.526	1.4	0.060	0.0	0.716	1.5	0.087	1.4	0.95	599	19	536	14	548	12	2.2	536	14	6
SJ9	56	0.074	0.001	0.061	75	989	63	11.342	2.1	0.059	0.0	0.716	4.7	0.088	2.1	0.45	563	178	545	22	548	39	0.6	545	22	6
SJ9	54	0.084	0.002	0.091	79	982	82	10.669	2.7	0.057	0.1	0.733	6.0	0.094	2.7	0.44	480	231	578	29	558	51	-3.5	578	29	6

SJ9	16	0.062	0.000	0.019	125	1497	80	10.288	2.3	0.062	0.0	0.828	2.3	0.097	2.3	1.00	667	10	598	26	613	22	2.4	598	26	6
SJ9	7	0.069	0.000	0.085	26	298	64	9.681	2.0	0.064	0.0	0.913	2.0	0.103	2.0	0.98	745	18	634	24	659	20	3.8	634	24	6
SJ9	14	0.064	0.000	0.053	75	815	116	9.398	0.5	0.063	0.0	0.922	0.5	0.106	0.5	0.89	704	10	652	6	663	6	1.7	652	6	6
SJ9	21	0.074	0.000	0.116	18	149	44	6.968	4.4	0.069	0.0	1.365	4.4	0.144	4.4	0.89	898	90	864	70	874	57	1.1	864	70	6
SJ9	20	0.071	0.000	0.093	35	285	80	6.947	1.3	0.069	0.0	1.370	1.4	0.144	1.3	0.92	899	22	867	21	876	16	1.1	867	21	6
SJ9	81	0.090	0.001	0.114	24	193	40	6.831	7.2	0.071	0.1	1.430	12.5	0.146	7.2	0.58	953	390	881	118	902	144	2.3	881	118	6
SJ9	18	0.079	0.000	0.163	14	100	51	6.206	0.8	0.076	0.0	1.691	0.9	0.161	0.8	0.86	1098	19	963	15	1005	12	4.2	963	15	6
SJ9	35	0.078	0.000	0.046	127	767	112	5.177	0.9	0.077	0.0	2.063	1.0	0.193	0.9	0.97	1133	9	1138	19	1137	13	-0.2	1138	19	6
SJ9	69	0.080	0.000	0.139	88	511	244	5.001	1.0	0.075	0.0	2.074	1.2	0.200	1.0	0.78	1074	32	1175	21	1140	17	-3.1	1175	21	6
SJ9	1	0.097	0.000	0.129	184	881	360	4.107	0.7	0.097	0.0	3.250	0.8	0.243	0.7	0.95	1564	9	1405	18	1469	12	4.4	1564	9	7
SJ9	63	0.087	0.002	0.275	15	218	148	12.613	1.5	0.052	0.1	0.568	9.8	0.079	1.5	0.15	283	416	492	14	457	71	-7.7	N.D	N.D	4
SJ9	61	0.110	0.003	0.460	21	125	173	5.139	1.2	0.072	0.1	1.919	7.2	0.195	1.2	0.17	973	276	1146	26	1088	94	-5.4	N.D	N.D	4
SJ9	83	0.067	0.001	0.133	26	923	159	30.429	10.4	0.056	0.1	0.253	12.5	0.033	10.4	0.83	448	296	208	43	229	51	9.1	N.D	N.D	4
SJ9	77	0.064	0.001	0.095	27	612	107	19.428	4.5	0.057	0.0	0.402	4.7	0.051	4.5	0.94	476	69	324	28	343	27	5.6	N.D	N.D	4
SJ9	55	0.088	0.002	0.088	36	1956	28	46.544	4.5	0.052	0.1	0.154	10.8	0.021	4.5	0.42	292	420	137	12	146	29	6.0	N.D	N.D	4
SJ9	39	0.070	0.001	0.048	50	1987	29	33.901	9.7	0.054	0.1	0.219	11.4	0.029	9.7	0.86	360	256	187	36	201	41	6.6	N.D	N.D	4
SJ9	84	0.062	0.000	0.038	53	896	41	14.553	4.0	0.059	0.0	0.560	4.2	0.069	4.0	0.96	570	52	428	33	451	30	5.1	N.D	N.D	4
SJ9	70	0.180	0.009	0.324	57	1390	28	21.009	4.0	0.049	0.5	0.323	46.6	0.048	4.0	0.09	158	1659	300	23	284	219	-5.5	N.D	N.D	4
SJ9	21	0.060	0.000	0.054	58	1385	129	20.576	2.5	0.057	0.0	0.380	2.7	0.049	2.5	0.92	484	46	306	16	327	16	6.4	N.D	N.D	4
SJ9	40	0.068	0.000	0.048	76	1026	88	11.673	7.3	0.065	0.0	0.773	7.3	0.086	7.3	1.00	789	26	530	74	582	64	8.9	N.D	N.D	4
SJ9	32	0.061	0.000	0.117	97	2318	501	20.577	0.9	0.057	0.0	0.385	1.1	0.049	0.9	0.83	508	27	306	5	331	6	7.5	N.D	N.D	4
SJ9	65	0.068	0.001	0.131	119	1814	599	13.052	1.2	0.053	0.0	0.561	4.0	0.077	1.2	0.30	332	168	476	11	452	29	-5.3	N.D	N.D	4
SJ9	24	0.281	0.010	0.515	0	121	0	921.001	4.9	0.191	0.1	0.029	13.2	0.001	4.9	0.37	2751	377	7	1	29	7	75.6	N.D	N.D	3
SJ9	8	0.435	0.000	1.009	0	95	21	388.982	7.8	-0.214	-0.3	-0.076	32.4	0.003	7.8	0.24	0	0	17	3	-80	-55	120.6	N.D	N.D	3
SJ9	45	0.306	0.017	0.766	0	39	12	72.461	8.0	0.083	0.6	0.157	57.8	0.014	8.0	0.14	1261	1672	88	14	148	153	40.4	N.D	N.D	3
SJ9	41	0.506	0.033	1.140	1	271	4	331.834	58.4	-0.005	-48.1	-0.002	4809.1	0.003	58.4	0.01	0	5980	19	23	-2	-201	1077.3	N.D	N.D	3
SJ9	7	0.167	0.000	0.273	1	14	0	17.696	1.3	0.083	0.1	0.644	8.8	0.057	1.3	0.14	1261	323	354	9	505	69	29.8	N.D	N.D	3
SJ9	59	0.525	0.037	1.217	1	272	1	262.047	22.5	-0.098	-0.7	-0.051	78.2	0.004	22.5	0.29	0	0	25	11	-54	-88	145.7	N.D	N.D	3
SJ9	89	0.260	0.016	0.453	1	365	9	334.290	57.1	0.022	2.9	0.009	292.8	0.003	57.1	0.19	0	2670	19	22	9	53	-108.3	N.D	N.D	3
SJ9	47	0.415	0.026	0.979	1	414	1	253.902	13.0	0.036	1.3	0.020	128.0	0.004	13.0	0.10	0	2533	25	7	20	50	-27.3	N.D	N.D	3
SJ9	51	0.562	0.044	1.378	2	661	28	272.810	43.0	-0.609	-0.2	-0.308	48.4	0.004	43.0	0.89	0	0	24	20	-374	-493	106.3	N.D	N.D	3
SJ9	53	0.668	0.044	1.575	2	4141	4	1550.382	24.5	-0.060	-1.1	-0.005	116.1	0.001	24.5	0.21	0	0	4	2	-5	-13	176.2	N.D	N.D	3
SJ9	46	0.197	0.011	0.524	3	329	172	94.389	2.3	0.038	0.3	0.055	31.4	0.011	2.3	0.07	0	369	68	3	55	33	-24.1	N.D	N.D	3
SJ9	82	0.071	0.001	0.272	4	541	388	126.564	1.3	0.053	0.1	0.058	5.8	0.008	1.3	0.23	350	244	51	1	58	6	11.8	N.D	N.D	3
SJ9	19	0.101	0.000	0.260	4	46	44	8.801	1.7	0.090	0.1	1.414	7.5	0.114	1.7	0.23	1432	267	694	22	895	87	22.5	N.D	N.D	3
SJ9	42	0.346	0.022	0.755	5	370	4	69.025	41.4	0.010	14.4	0.020	1437.4	0.014	41.4	0.03	0	4735	93	76	20	499	-367.0	N.D	N.D	3
SJ9	19	0.095	0.000	0.221	5	43	39	7.998	4.7	0.082	0.1	1.413	9.4	0.125	4.7	0.50	1245	303	759	68	894	109	15.1	N.D	N.D	3
SJ9	60	0.244	0.014	0.476	5	172	2	30.064	8.0	0.030	1.5	0.139	149.7	0.033	8.0	0.05	0	2158	211	33	132	340	-60.0	N.D	N.D	3
SJ9	52	0.130	0.007	0.215	6	1890	20	275.804	3.4	0.022	0.7	0.011	67.9	0.004	3.4	0.05	0	0	23	2	11	15	-111.0	N.D	N.D	3
SJ9	64	0.201	0.014	0.387	10	3937	50	340.572	3.2	-0.014	-2.6	-0.006	255.6	0.003	3.2	0.01	0	0	19	1	-6	-30	430.1	N.D	N.D	3
SJ9	67	0.287	0.019	0.630	12	1775	188	127.915	3.1	-0.012	-1.6	-0.013	164.0	0.008	3.1	0.02	0	0	50	3	-13	-44	480.1	N.D	N.D	3
SJ9	30	0.106	0.003	0.187	13	1035	51	69.302	24.0	0.057	0.3	0.114	37.8	0.014	24.0	0.64	505	1078	92	44	110	77	15.8	N.D	N.D	3
SJ9	15	0.093	0.000	0.120	13	1974	8	131.003	23.6	0.087	0.1	0.092	26.0	0.008	23.6	0.91	1360	387	49	23	89	44	44.9	N.D	N.D	3
SJ9	73	0.100	0.004	0.267	15	109	71	6.176	1.3	0.040	0.1	0.903	7.6	0.162	1.3	0.17	0	0	967	24	653	72	-48.1	N.D	N.D	3
SJ9	17	0.073	0.000	0.076	15	297	25	16.685	3.6	0.070	0.0	0.577	5.5	0.060	3.6	0.65	924	168	375	26	463	41	18.9	N.D	N.D	3
SJ9	38	0.060	0.000	0.086	22	1671	80	64.434	13.2	0.057	0.0	0.121	13.3	0.016	13.2	1.00	481	58	99	26	116	29	14.7	N.D	N.D	3
SJ9	76	0.125	0.006	0.363	28	1159	283	35.934	10.4	0.032	0.5	0.123	50.6	0.028	10.4	0.20	0	182	177	36	118	109	-50.5	N.D	N.D	3
SJ9	74	0.132	0.005	0.146	28	3027	491	91.837	11.9	0.060	0.2	0.090	20.5	0.011	11.9	0.58	599	651	70	17	87	34	20.1	N.D	N.D	3
SJ9	78	0.065	0.000	0.204	28	1134	288	34.381	7.7	0.060	0.0	0.242	7.9	0.029	7.7	0.98	619	74	185	28	220	31	16.1	N.D	N.D	3
SJ9	26	0.079	0.002	0.175	35	836	246	20.560	1.4	0.046	0.1	0.310	6.9	0.049	1.4	0.20	8	311	306	8	274	33	-11.7	N.D	N.D	3
SJ9	27	0.059	0.000	0.058	36	1358	100	32.566	1.4	0.058	0.0	0.244	1.5	0.031	1.4	0.92	513	25	195	5	221	6	12.0	N.D	N.D	3
SJ9	50	0.131	0.003	0.178	57	377	90	5.719	4.5	0.095	0.1	2.290	9.9	0.175	4.5	0.45	1528	316	1039	86	1209	136	14.1	N.D	N.D	3
SJ9	68	0.078	0.003	0.135	74	1390	268	16.042	1.3	0.033	0.0	0.280	4.7	0.062	1.3	0.29	0	0	390	10	251	21	-55.6	N.D	N.D	3
SJ9	22	0.093	0.000	0.122	108	978	3332	7.771	2.2	0.089	0.0	1.588	2.4	0.129	2.2	0.90	1415	40	780	32	965	30	19.2	N.D	N.D	3
SJ9	4	0.631	0.000	0.071	560	222	1021	0.340	10.2	0.623	0.0	252.359	10.2	2.940	10.2	0.99	4562	31	8839	941	5620	197	-57.3	N.D	N.D	3
SJ9	49	0.350	0.033	0.886	17	746	103	37.700	15.2	-0.409	-0.1	-1.497	16.5	0.027	15.2	0.92	0	0	169	50	N.D	0	N.D	N.D	N.D	2
SJ9	10	0.058	0.000	0.069	19	493	61	22.447	15.6	0.053	0.0	0.327	15.6	0.045	15.6	1.00	341	36	281	85	288	77	2.3	N.D	N.D	2
SJ9	43	0.069	0.001	0.265	31	1016	387	28.267	13.6	0.056	0.0	0.274	14.4	0.035	13.6	0.94	455	212	224	60	246	62	8.7	N.D	N.D	2
SJ9	72	0.070	0.001	0.247	46	1594	496	29.752	11.0	0.054	0.1	0.251	13.1	0.034	11.0	0.84	379	309	213	46	227	53	6.3	N.D	N.D	2
SJ9	37	0.082	0.002	0.084	61	2904	45	41.113	23.6	0.051	0.2	0.172	33.9	0.024	23.6	0.70	258	961	155	72	161	99	4.0	N.D	N.D	2
SJ9	71	0.073	0.001	0.080	72	2086	170	24.730	13.2	0.063	0.0	0.354	13.9	0.040	13.2	0.95	725	173	256	66	308	72	17.0	N.D	N.D	2
SJ9	3	0.057	0.000	0.136	90	2225	566	21.218	11.8	0.056	0.0	0.366	11.9	0.047	11.8	1.00	467	39	297	68	317	64	6.3	N.D	N.D	2
SJ9	66	0.630	0.041	1.663	-9	7458	10	-719.802	22.6	0.207	0.5	-0.040	57.0	-0.001	22.6	0.40	2886	1330	-9	-4	-41	-48	78.2	N.D	N.D	1
SJ9	87	0.319	0.032	0.680	5	-1967	0	-336.225	50.8	-0.141	-0.9	0.058	105.0	-0.003	50.8	0.48	0	0	-19	-20	57	113	133.6	N.D	N.D	1
SJ9	29	0.088	0.002	0.146	39	-1154	62	-25.621	10.9	0.063	0.1	-0.337	14.3	-0.039	10.9	0.76	696	375	-257	-57	-418	-154	38.5	N.D	N.D	1
SJ9	1	0.058	0.000	0.031	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	1
SJ9	11	0.073	0.000	0.120	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	1
SJ9	12	0.081	0.003	0.077	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	1
SJ9	13	0.059	0.000	0.191	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	1
SJ9	15	0.051	0.000	0.012	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	1
SJ9	19	0.156	0.000	0.142	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	1
SJ9	20	0.515	0.034	1.244	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	1
SJ9	9	0.072	0.000	0.120	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	1
SJ12	102	0.053	0.000	0.008	23	4880	6	179.199	0.6	0.050	0.0	0.038	1.2	0.006	0.6	0.49	172	48	36	0	38	1	5.5	36	0	5
SJ12	70	0.056	0.001	0.105	3	434	114	138.834	1.0	0.049	0.0	0.049	1.8	0.007	1.0	0.56	157	68	46	1	48	2	4.5	46	1	5
SJ12	22	0.055	0.001	0.142	7	1017	95	130.609	13.7	0.046	0.0	0.048	13.8	0.008	13.7	0.99	0	56	49	13	48	13	-2.6	49	13	5
SJ12	115	0.064	0.000	0.143	13	1582	108	108.106	24.9	0.045	0.0	0.057	25.2	0.009	24.9	0.99	0	27	59	29	56	27	-5.8	59	29	5
SJ12	71	0.052	0.000	0.052	4	417	60	82.782	1.0	0.048	0.0	0.081	1.3	0.012	1.0	0.71	117	44	77	1	79	2	1.6	77	1	5
SJ12	4	0.056	0.001	0.073	76	6970	915	78.527	4.8	0.043	0.0	0.076	6.6	0.013	4.8	0.72	0	0	82	8	74	9	-9.9	82	8	5
SJ12	82	0.060	0.001	0.173	2	212	92	78.153	0.9	0.047	0.0	0.083	4.3	0.013	0.9	0.21	40	193	82	1	81	7	-1.7	82	1	5
SJ12	107	0.052	0.000	0.005	31	1108	6	30.703	0.7	0.049	0.0	0.222	1.1	0.033	0.7	0.62	169	40	207	3	204	4	-1.5	207	3	6
SJ12	40	0.055	0.000	0.024	50	1518	67	25.874	4.9	0.050	0.0	0.268	5.0	0.039	4.9	0.99	205	33	244	23	241	21	-1.5	244	23	6
SJ12	27	0.058	0.000	0.108	21	467	107	19.527	2.2	0.055	0.0	0.390	2.3	0.051	2.2	0.97	419	26	322	14	334	13	3.6	322	14	6
SJ12	80	0.057	0.000	0.144	58	1231	419	18.184	6.0	0.057	0.0	0.429	6.1	0.055	6.0	1.00	474	19	345	41	362	37	4.7	345	41	6
SJ12	3	0.057	0.000	0.115	29	550	181	16.516	2.8	0.056	0.0	0.466	2.9	0.061	2.8	0.97	444	33	379	21	388	19	2.4	379	21	6
SJ12	49	0.057	0.000	0.131	34	616	224	15.429	1.8	0.054	0.0	0.478	1.8	0.065	1.8	0.98	351	18	405	14	397	12	-2.0	405	14	6
SJ12	21	0.058	0.000	0.104	59	1058	351	15.349	2.4	0.057	0.0	0.515	2.4	0.065	2.4	0.98	505	19	407	19	422	17	3.6	407	19	6
SJ12	84	0.058	0.000	0.145	23	402	156	14.743	0.9	0.057	0.0	0.533	1.1	0.068	0.9	0.80	493	30	423	8	434	8	2.5	423	8	6
SJ12	67	0.059	0.000	0.008	54	912	16	14.408	4.8	0.058	0.0	0.554	4.9	0.069	4.8	0.98	526	42	433	40	448	35	3.4	433	40	6
SJ12	62	0.058	0.000	0.003	12	206	1	14.316	3.3	0.058	0.0	0.557	3.4	0.070	3.3	0.96	525	40	435	28	450	25	3.2	435	28	6
SJ12	52	0.057	0.000	0.107	33	535	191	13.876	0.7	0.057	0.0	0.563	1.0	0.072	0.7	0.69	477	33	449	6	453	8	1.0	449	6	6
SJ12	18	0.058	0.000	0.028	86	1381	111	13.728	0.7	0.057	0.0	0.572	0.7	0.073	0.7	0.98	491	7	453	6	460	5	1.4	453	6	6
SJ12	11	0.058	0.000	0.177	33	522	281	13.634	2.8	0.057	0.0	0.578	2.8	0.073	2.8	0.99	499	17	456	25	463	21	1.5	456	25	6
SJ12	55	0.056	0.000	0.013	174	2691	103	13.253	3.9	0.055	0.0	0.573	4.0	0.075	3.9	0.99	414	28	469	35	460	29	-2.0	469	35	6
SJ12	45	0.057	0.000	0.203	25	390	246	13.177	1.1	0.054	0.0	0.568	1.3	0.076	1.1	0.86	384	28	472	10	457	9	-3.2	472	10	6
SJ12	117	0.060	0.000	0.019	43	660	30	13.048	1.1	0.058	0.0	0.608	1.4	0.077	1.1	0.78	511	40	476	10	482	11	1.3	476	10	6
SJ12	104	0.059	0.000	0.004	25	379	4	12.980	1.1	0.055	0.0	0.587	1.3	0.077	1.1	0.86	424	30	478	10	469	10	-2.0	478	10	6
SJ12	93	0.059	0.000	0.414	16	238	322	12.924	0.5	0.054	0.0	0.573	1.0	0.077	0.5	0.50	359	39	480	5	460	7	-4.5	480	5	6
SJ12	85	0.059	0.000	0.010	17	251	5	12.924	0.8	0.059	0.0	0.627	1.0	0.077	0.8	0.84	559	22	480	7	494	7	2.8	480	7	6
SJ12	98	0.059	0.000	0.012	35	517	14	12.613	0.8	0.057	0.0	0.623	1.0	0.079	0.8	0.78	490	28	492	7	492	8	-0.1	492	7	6
SJ12	96	0.059	0.000	0.278	26	383	334	12.599	0.7	0.056	0.0	0.609	1.2	0.079	0.7	0.57	439	45	492	7	483	10	-1.9	492	7	6
SJ12	53	0.059	0.000	0.066	91	1330	311	12.530	0.6	0.056	0.0	0.620	0.7	0.080	0.6	0.92	466	12	495	6	490	5	-1.0	495	6	6
SJ12	48	0.056	0.000	0.004	82	1147	12	12.072	2.0	0.056	0.0	0.638	2.1	0.083	2.0	0.96	447	26	513	19	501	16	-2.4	513	19	6
SJ12	61	0.057	0.000	0.045	177	2445	349	11.865	0.6	0.057	0.0	0.665	0.6	0.084	0.6	0.91	500	11	522	6	518	5	-0.8	522	6	6
SJ12	26	0.058	0.000	0.021	136	1872	124	11.845	1.3	0.057	0.0	0.666	1.3	0.084	1.3	0.98	501	11	522	13	519	11	-0.8	522	13	6
SJ12	17	0.055	0.000	0.002	38	517	2	11.801	0.7	0.055	0.0	0.642	2.6	0.085	0.7	0.25	409	111	524	7	503	21	-4.2	524	7	6
SJ12	73	0.061	0.000	0.045	26	349	40	11.515	5.2	0.061	0.0	0.733	5.4	0.087	5.2	0.96	648	65	537	54	559	46	3.9	537	54	6
SJ12	76	0.063	0.000	0.051	75	918	119	10.466	4.6	0.063	0.0	0.832	4.6	0.096	4.6	1.00	713	9	588	52	615	42	4.3	588	52	6
SJ12	64	0.061	0.000	0.001	107	1252	2	10.079	0.7	0.061	0.0	0.836	0.8	0.099	0.7	0.83	642	19	610	8	617	7	1.1	610	8	6
SJ12	6	0.071	0.001	0.088	23	269	52	9.927	4.6	0.063	0.0	0.872	4.7	0.101	4.6	0.98	700	44	619	54	637	44	2.8	619	54	6
SJ12	81	0.066	0.000	0.126	58	615	202	9.038	3.9	0.065	0.0	0.994	4.2	0.111	3.9	0.93	780	65	676	50	701	42	3.5	676	50	6
SJ12	87	0.075	0.000	0.013	184	1451	82	6.778	1.6	0.074	0.0	1.508	2.7	0.148	1.6	0.59	1045	86	887	26	934	32	5.0	887	26	6
SJ12	60	0.091	0.001	0.205	46	352	190	6.606	4.3	0.071	0.1	1.492	9.1	0.151	4.3	0.47	971	310	909	73	927	107	2.0	909	73	6
SJ12	41	0.072	0.000	0.036	169	1205	147	6.132	0.6	0.072	0.0	1.615	0.6	0.163	0.6	0.88	981	12	974	10	976	8	0.2	974	10	6
SJ12	88	0.072	0.000	0.139	103	735	350	6.106	0.6	0.071	0.0	1.606	0.8	0.164	0.6	0.71	961	23	978	10	973	10	-0.5	978	10	6
SJ12	112	0.073	0.000	0.043	86	595	90	5.944	0.7	0.072	0.0	1.676	1.0	0.168	0.7	0.75	993	26	1002	13	999	12	-0.3	1002	13	6
SJ12	77	0.077	0.000	0.035	77	505	45	5.625	0.6	0.073	0.0	1.799	0.8	0.178	0.6	0.71	1025	22	1055	11	1045	10	-0.9	1055	11	6
SJ12	19	0.082	0.000	0.037	54	335	35	5.366	1.7	0.080	0.0	2.045	2.2	0.186	1.7	0.76	1187	55	1102	33	1131	29	2.6	1102	33	6
SJ12	101	0.086	0.000	0.017	220	1133	65	4.430	2.4	0.086	0.0	2.664	2.7	0.226	2.4	0.87	1329	51	1312	56	1319	40	0.5	1329	51	7
SJ12	92	0.089	0.000	0.154	136	727	283	4.585	0.8	0.087	0.0	2.609	0.9	0.218	0.8	0.82	1355	21	1272	18	1303	14	2.4	1355	21	7
SJ12	72	0.092	0.000	0.305	59	332	292	4.854	0.6	0.091	0.0	2.580	1.9	0.206	0.6	0.31	1443	69	1208	13	1295	28	6.7	1443	69	7
SJ12	56	0.098	0.000	0.019	155	813	51	4.511	2.1	0.098	0.0	2.996	2.1	0.222	2.1	0.99	1587	11	1291	48	1407	31	8.2	1587	11	7
SJ12	9	0.100	0.000	0.100	129	593	188	3.955	0.8	0.100	0.0	3.476	0.8	0.253	0.8	0.99	1618	4	1453	20	1522	12	4.5	1618	4	7
SJ12	51	0.101	0.000	0.024	199	858	79	3.703	2.5	0.101	0.0	3.750	2.7	0.270	2.5	0.91	1637	41	1541	67	1582	43	2.6	1637	41	7
SJ12	66	0.057	0.000	0.116	14	412	124	25.446	5.2	0.056	0.0	0.302	5.4	0.039	5.2	0.97	440	59	248	25	268	25	7.2	N.D	N.D	4
SJ12	100	0.070	0.000	0.127	21	236	82	9.828	1.8	0.067	0.0	0.946	2.0	0.102	1.8	0.87	851	40	625	21	676	20	7.6	N.D	N.D	4
SJ12	75	0.067	0.000	0.294	22	231	170	9.090	2.7	0.067	0.0	1.014	2.9	0.110	2.7	0.96	833	35	673	35	711	29	5.4	N.D	N.D	4
SJ12	24	0.072	0.000	0.173	27	249	107	7.961	3.3	0.070	0.0	1.212	3.3	0.126	3.3	0.99	928	19	763	47	806	37	5.4	N.D	N.D	4
SJ12	83	0.056	0.000	0.071	31	709	113	19.371	3.8	0.056	0.0	0.401	3.9	0.052	3.8	0.99	464	26	324	24	342	23	5.2	N.D	N.D	4
SJ12	38	0.062	0.001	0.017	36	508	14	12.012	2.2	0.054	0.0	0.614	2.3	0.083	2.2	0.95	350	32	515	21	486	18	-6.0	N.D	N.D	4
SJ12	20	0.081	0.000	0.037	37	265	26	6.087	2.5	0.079	0.0	1.792	3.1	0.164	2.5	0.83	1175	67	981	46	1043	40	6.0	N.D	N.D	4
SJ12	50	0.057	0.001	0.148	40	848	305	17.987	3.7	0.048	0.0	0.366	3.9	0.056	3.7	0.96	89	51	349	25	317	21	-10.0	N.D	N.D	4
SJ12	90	0.069	0.000	0.043	50	532	61	9.109	1.5	0.067	0.0	1.018	1.6	0.110	1.5	0.95	845	21	671	19	713	16	5.8	N.D	N.D	4
SJ12	110	0.064	0.000	0.023	155	2255	125	12.486	5.4	0.063	0.0	0.698	5.5	0.080	5.4	0.99	714	33	497	52	537	45	7.6	N.D	N.D	4
SJ12	15	0.087	0.008	0.123	0	547	1	1069.618	2.3	-0.004	-1.7	0.000	165.2	0.001	2.3	0.01	0	0	6	0	-1	-2	1296.0	N.D	N.D	3
SJ12	110b	0.223	0.001	0.386	0	1004	4	1774.375	6.0	-0.164	-0.2	-0.013	21.2	0.001	6.0	0.28	0	0	4	0	-13	-6	128.0	N.D	N.D	3
SJ12	63	0.077	0.002	0.193	1	94	39	111.353	2.1	0.067	0.1	0.083	10.1	0.009	2.1	0.21	834	387	58	2	81	16	28.6	N.D	N.D	3
SJ12	8	0.086	0.010	0.087	1	1055	9	779.006	2.8	-0.006	-1.4	-0.001	139.2	0.001	2.8	0.02	0	0	8	0	-1	-3	834.4	N.D	N.D	3
SJ12	111	0.114	0.000	0.472	1	442	451	277.859	1.8	0.021	0.3	0.010	28.9	0.004	1.8	0.06	0	0	23	1	11	6	-118.8	N.D	N.D	3
SJ12	65	0.157	0.011	0.332	2	138	30	78.563	3.5	0.006	2.8	0.011	283.6	0.013	3.5	0.01	0	0	82	6	11	60	-653.9	N.D	N.D	3
SJ12	79	0.065	0.003	0.058	2	581	4	301.310	3.1	0.026	0.1	0.012	8.2	0.003	3.1	0.38	0	0	21	1	12	2	-79.5	N.D	N.D	3
SJ12	120	0.555	0.000	1.192	2	856	5	436.742	3.6	0.524	0.0	0.165	4.3	0.002	3.6	0.83	4309	69	15	1	155	12	90.5	N.D	N.D	3
SJ12	74	0.065	0.002	0.076	2	525	45	237.921	1.7	0.042	0.1	0.024	7.6	0.004	1.7	0.23	0	0	27	1	24	4	-10.8	N.D	N.D	3
SJ12	108	0.080	0.000	0.049	2	211	4	89.398	18.2	0.039	0.1	0.060	20.7	0.011	18.2	0.88	0	0	72	26	59	24	-20.9	N.D	N.D	3
SJ12	118	0.070	0.000	0.067	2	435	10	177.131	4.4	-0.085	-0.1	-0.066	9.8	0.006	4.4	0.45	0	0	36	3	-69	-14	152.4	N.D	N.D	3
SJ12	91	0.151	0.000	0.263	2	322	27	112.800	2.3	0.121	0.1	0.148	6.2	0.009	2.3	0.38	1968	198	57	3	140	16	59.3	N.D	N.D	3
SJ12	119	0.099	0.000	0.109	3	767	9	206.629	3.5	0.057	0.1	0.038	9.5	0.005	3.5	0.37	492	366	31	2	38	7	17.9	N.D	N.D	3
SJ12	1	0.055	0.001	0.023	4	1658	18	323.394	1.9	0.039	0.0	0.017	4.0	0.003	1.9	0.48	0	0	20	1	17	1	-18.2	N.D	N.D	3
SJ12	103	0.139	0.000	0.473	4	579	429	111.672	1.6	0.120	0.0	0.148	3.1	0.009	1.6	0.50	1950	95	57	2	140	8	58.9	N.D	N.D	3
SJ12	114	0.090	0.000	0.142	5	1393	186	241.254	1.0	0.067	0.0	0.039	2.9	0.004	1.0	0.36	850	110	27	1	38	2	30.5	N.D	N.D	3
SJ12	68	0.091	0.004	0.108	5	979	16	168.421	2.8	0.042	0.1	0.035	12.2	0.006	2.8	0.23	0	117	38	2	34	8	-10.7	N.D	N.D	3
SJ12	109	0.074	0.000	0.071	6	682	80	91.036	1.9	0.059	0.1	0.089	13.9	0.011	1.9	0.14	557	551	70	3	87	23	18.6	N.D	N.D	3
SJ12	7	0.059	0.000	0.060	12	896	34	64.808	18.5	0.058	0.0	0.124	18.7	0.015	18.5	0.99	543	132	99	36	119	42	16.9	N.D	N.D	3
SJ12	89	0.219	0.000	0.593	12	1061	149	75.141	7.3	0.213	0.1	0.391	13.6	0.013	7.3	0.54	2927	349	85	12	335	76	74.5	N.D	N.D	3
SJ12	116	0.065	0.000	0.242	14	699	169	41.415	10.2	0.057	0.0	0.189	11.0	0.024	10.2	0.93	481	171	154	31	176	35	12.5	N.D	N.D	3
SJ12	29	0.068	0.000	0.073	15	227	19	12.945	3.1	0.065	0.0	0.696	3.3	0.077	3.1	0.94	785	48	480	29	536	27	10.6	N.D	N.D	3
SJ12	12	0.093	0.008	0.095	17	309	13	15.233	1.0	-0.033	-0.1	-0.301	9.0	0.066	1.0	0.11	0	0	410	8	-364	-80	212.6	N.D	N.D	3
SJ12	14	0.074	0.004	0.064	19	1486	48	66.170	38.4	0.015	0.6	0.032	70.4	0.015	38.4	0.55	0	0	97	74	32	43	-206.8	N.D	N.D	3
SJ12	105	0.060	0.000	0.118	20	1133	164	47.962	9.4	0.055	0.0	0.159	9.4	0.021	9.4	1.00	424	39	133	25	150	26	11.2	N.D	N.D	3
SJ12	25	0.065	0.001	0.026	23	358	9	13.485	0.8	0.045	0.0	0.463	2.5	0.074	0.8	0.31	0	37	461	7	387	16	-19.3	N.D	N.D	3
SJ12	28	0.076	0.003	0.075	25	399	24	13.612	5.9	0.030	0.1	0.305	9.3	0.073	5.9	0.63	0	0	457	52	271	44	-68.9	N.D	N.D	3
SJ12	30	0.076	0.001	0.325	28	430	118	13.028	0.8	0.065	0.0	0.690	1.2	0.077	0.8	0.65	782	37	477	7	533	10	10.6	N.D	N.D	3
SJ12	32	0.071	0.010	0.352	34	559	547	14.341	0.9	-0.104	0.0	-0.998	1.6	0.070	0.9	0.58	0	0	435	8	-6226	0	107.0	N.D	N.D	3
SJ12	54	0.075	0.002	0.080	35	592	312	14.351	0.7	0.049	0.0	0.468	1.8	0.070	0.7	0.43	133	74	434	6	390	11	-11.5	N.D	N.D	3
SJ12	94	0.108	0.000	0.206	37	683	244	16.061	5.1	0.105	0.1	0.900	12.4	0.062	5.1	0.41	1711	389	389	38	652	116	40.2	N.D	N.D	3
SJ12	37	0.063	0.001	0.037	37	478	37	11.100	0.6	0.049	0.0	0.615	0.9	0.090	0.6	0.69	171	31	556	7	487	7	-14.3	N.D	N.D	3
SJ12	39	0.058	0.001	0.157	39	651	320	14.287	2.4	0.047	0.0	0.456	2.5	0.070	2.4	0.98	60	25	436	20	381	16	-14.4	N.D	N.D	3
SJ12	86	0.118	0.002	0.035	80	741	75	8.001	0.7	0.090	0.0	1.550	1.5	0.125	0.7	0.43	1424	52	759	9	950	19	20.1	N.D	N.D	3
SJ12	34	0.059	0.001	0.019	84	1175	63	12.050	1.4	0.049	0.0	0.557	1.6	0.083	1.4	0.90	132	33	514	14	449	12	-14.3	N.D	N.D	3
SJ12	10	0.096	0.000	0.316	111	755	583	5.867	9.0	0.093	0.0	2.196	9.1	0.170	9.0	1.00	1496	29	1015	169	1180	123	14.0	N.D	N.D	3
SJ12	35	0.058	0.001	0.034	177	2360	280	11.428	2.0	0.049	0.0	0.589	2.1	0.088	2.0	0.94	138	32	541	20	470	16	-15.0	N.D	N.D	3
SJ12	36	0.058	0.000	0.034	218	3006	356	11.834	1.6	0.051	0.0	0.594	1.6	0.084	1.6	0.97	238	17	523	16	473	12	-10.5	N.D	N.D	3
SJ12	99	0.200	0.000	1.336	N.D	N.D	N.D	24.182	6.4	0.088	0.2	0.500	22.4	0.041	6.4	0.29	1376	730	261	33	412	146	36.6	N.D	N.D	3
SJ12	121	0.230	0.000	0.412	3	231	19	61.426	30.8	0.197	0.3	0.443	43.0	0.016	30.8	0.72	2804	842	104	63	372	252	72.0	N.D	N.D	2
SJ12	2	0.060	0.002	0.126	6	453	58	62.037	26.2	0.035	0.1	0.078	27.2	0.016	26.2	0.96	0	0	103	53	76	40	-35.0	N.D	N.D	2
SJ12	31	0.082	0.007	0.965	8	260	29	27.199	22.3	-0.033	-0.2	-0.166	27.8	0.037	22.3	0.80	0	0	233	101	-184	-115	226.7	N.D	N.D	2
SJ12	5	0.069	0.002	0.262	12	536	162	39.743	11.6	0.044	0.1	0.151	13.1	0.025	11.6	0.89	0	22	160	37	143	35	-12.0	N.D	N.D	2
SJ12	95	0.061	0.000	0.239	15	580	260	32.154	12.0	0.056	0.0	0.242	12.1	0.031	12.0	1.00	466	43	197	47	220	47	10.1	N.D	N.D	2
SJ12	23	0.059	0.000	0.095	17	777	110	38.541	17.5	0.053	0.0	0.191	17.6	0.026	17.5	1.00	345	67	165	57	177	57	7.0	N.D	N.D	2
SJ12	33	0.079	0.007	0.040	18	262	11	12.283	12.8	-0.029	-0.2	-0.325	24.4	0.081	12.8	0.52	0	0	505	124	-400	-255	226.3	N.D	N.D	2
SJ12	97	0.078	0.000	0.167	31	681	161	18.773	11.4	0.075	0.0	0.549	11.6	0.053	11.4	0.99	1061	74	335	74	444	82	24.7	N.D	N.D	2
SJ12	47	0.074	0.003	0.174	67	964	306	12.375	11.7	0.022	0.2	0.247	19.2	0.081	11.7	0.61	0	0	501	112	224	76	-123.5	N.D	N.D	2
SJ12	113	0.061	0.000	0.050	85	752	154	7.585	12.5	0.057	0.0	1.031	12.7	0.132	12.5	0.98	480	103	798	186	719	127	-11.0	N.D	N.D	2
SJ12	59	0.812	0.054	1.832	24939	37690	2481	1.298	104.9	0.160	1.4	17.002	172.6	0.770	104.9	0.61	2457	2746	3681	4847	2935	1964	-25.4	N.D	N.D	2
SJ12	46	0.376	0.109	0.907	5	-428	87	-78.183	5.0	1.386	0.0	-2.445	5.8	-0.013	5.0	0.87	6349	-188	-83	-8	N.D	0	N.D	N.D	N.D	1
SJ12	13	0.284	0.065	0.625	0	-1613	2	-3650.340	66.3	4.634	-0.4	-0.175	79.2	0.000	66.3	0.84	13953	-9406	-2	-2	-195	-374	99.1	N.D	N.D	1
SJ12	16	0.397	0.098	0.877	1	-1120	3	-729.863	12.8	1.508	-0.1	-0.285	13.8	-0.001	12.8	0.92	6634	-372	-9	-2	-340	-115	97.4	N.D	N.D	1
SJ12	106	0.070	0.000	0.079	115	-308	233	-2.294	8.0	0.061	0.0	-3.666	8.3	-0.436	8.0	0.97	639	85	-3691	-825	N.D	0	N.D	N.D	N.D	1
SJ12	69	0.055	0.000	0.119	204	-4647	529	-19.615	5.6	0.056	0.0	-0.391	5.9	-0.051	5.6	0.96	436	74	-337	-39	-503	-78	33.0	N.D	N.D	1

P = correlation coefficient
Disc. = discordance
Exp. = screening explanation
N.D. = not determined

TABLE S4: ION PROBE ZIRCON U-Pb STANDARD

Analysis #	Contents (ppm)			$^{204}Pb/^{206}Pb$	Data for Tera-Wasserburg plot				Data for Normal - Wetherill plot					Ages (Ma)					
	Pb	U	Th		$^{238}U/^{206}Pb$	1σ %	$^{207}Pb/^{206}Pb$	1σ %	$^{207}Pb/^{235}U$	1σ %	$^{206}Pb/^{238}U$	1σ %	ρ	$^{207}Pb/^{206}Pb$	2σ	$^{206}Pb/^{238}U$	2σ	$^{207}Pb/^{235}U$	2σ
91500@1	12	80	28	0.000	5.662	0.6	0.076	1.9	1.849	2.0	0.177	0.6	0.28	1094	76	1048	11	1063	26
91500@10	15	95	34	0.002	5.436	1.3	0.078	3.7	1.985	3.9	0.184	1.3	0.32	1154	144	1089	25	1110	52
91500@11	14	92	33	0.001	5.525	1.6	0.077	8.7	1.922	8.9	0.181	1.6	0.18	1121	330	1072	32	1089	115
91500@12	13	82	29	0.001	5.483	0.9	0.074	2.5	1.858	2.7	0.182	0.9	0.35	1038	99	1080	19	1066	35
91500@13	12	80	28	0.001	5.547	0.7	0.073	3.7	1.808	3.8	0.180	0.7	0.18	1007	148	1069	14	1048	49
91500@14	13	80	28	0.001	5.447	1.0	0.075	4.2	1.890	4.3	0.184	1.0	0.24	1059	164	1087	20	1078	56
91500@15	13	81	29	0.001	5.560	0.7	0.072	3.9	1.797	3.9	0.180	0.7	0.18	999	154	1066	14	1044	51
91500@16	13	81	28	0.002	5.550	1.6	0.068	8.2	1.688	8.4	0.180	1.6	0.19	867	323	1068	32	1004	104
91500@17	14	92	32	0.001	5.522	1.3	0.072	4.3	1.799	4.5	0.181	1.3	0.29	987	172	1073	26	1045	58
91500@18	14	87	30	0.001	5.504	1.2	0.080	7.5	2.016	7.6	0.182	1.2	0.15	1208	282	1076	23	1121	100
91500@19	13	84	29	0.001	5.508	1.2	0.072	5.0	1.813	5.1	0.182	1.2	0.24	997	196	1075	24	1050	66
91500@2	12	78	28	0.000	5.564	0.9	0.075	1.3	1.864	1.6	0.180	0.9	0.57	1074	52	1066	18	1068	21
91500@20	14	89	32	0.000	5.503	0.9	0.074	2.5	1.848	2.7	0.182	0.9	0.33	1035	100	1076	18	1063	35
91500@21	14	90	31	0.002	5.547	1.6	0.080	10.5	1.979	10.6	0.180	1.6	0.15	1187	388	1068	32	1108	138
91500@22	12	76	26	0.001	5.513	1.3	0.074	3.5	1.856	3.8	0.181	1.3	0.33	1047	140	1075	25	1065	49
91500@3	12	77	27	0.001	5.623	1.2	0.075	1.6	1.826	2.0	0.178	1.2	0.58	1055	66	1055	23	1055	26
91500@4	12	78	28	0.000	5.542	0.6	0.075	1.2	1.878	1.4	0.180	0.6	0.46	1082	48	1069	12	1073	18
91500@5	12	79	28	0.001	5.666	0.9	0.078	4.6	1.896	4.7	0.177	0.9	0.20	1144	178	1048	18	1080	62
91500@6	12	78	28	0.000	5.748	0.8	0.074	0.8	1.774	1.2	0.174	0.8	0.72	1040	33	1034	16	1036	15
91500@8	15	92	34	0.000	5.468	0.9	0.073	2.6	1.850	2.8	0.183	0.9	0.33	1024	103	1083	18	1063	36
91500@9	15	94	34	0.001	5.469	0.6	0.074	2.6	1.869	2.7	0.183	0.6	0.22	1045	104	1082	12	1070	35
91500@23	13	86	30	0.000	5.560	0.7	0.076	2.3	1.878	2.4	0.180	0.7	0.28	1088	91	1066	13	1073	32
91500@24	14	89	31	0.000	5.523	0.7	0.077	1.4	1.923	1.5	0.181	0.7	0.45	1122	54	1073	14	1089	20
91500@26	13	82	29	0.000	5.537	0.7	0.076	3.6	1.894	3.7	0.181	0.7	0.20	1097	142	1070	14	1079	49
91500@27	13	80	28	0.000	5.400	1.0	0.075	1.7	1.904	2.0	0.185	1.0	0.50	1057	69	1095	20	1083	26
91500@28	12	80	28	0.001	5.526	0.6	0.073	3.5	1.820	3.6	0.181	0.6	0.16	1013	139	1072	11	1053	46
91500@29	12	80	29	0.000	5.536	1.0	0.077	2.7	1.918	2.9	0.181	1.0	0.34	1122	105	1070	19	1087	38
91500@30	12	81	29	0.000	5.556	0.9	0.076	2.8	1.892	2.9	0.180	0.9	0.29	1101	109	1067	17	1078	38
91500@31	13	80	28	0.001	5.465	0.9	0.075	3.7	1.880	3.9	0.183	0.9	0.23	1056	147	1083	18	1074	50
91500@32	13	80	29	0.001	5.478	1.3	0.070	6.0	1.773	6.1	0.183	1.3	0.21	942	235	1081	25	1036	78
91500@33	12	80	29	0.001	5.581	0.7	0.074	4.9	1.834	5.0	0.179	0.7	0.14	1048	192	1062	14	1058	64
91500@34	12	79	28	0.001	5.406	1.3	0.077	3.7	1.966	3.9	0.185	1.3	0.32	1123	145	1094	25	1104	52
91500@37	13	78	27	0.000	5.348	0.9	0.077	2.8	1.974	3.0	0.187	0.9	0.31	1110	110	1105	19	1107	39
91500@38	13	80	28	0.001	5.462	1.0	0.074	4.4	1.877	4.5	0.183	1.0	0.22	1051	171	1084	19	1073	58
91500@39	11	72	25	0.001	5.568	1.0	0.075	3.8	1.862	3.9	0.180	1.0	0.24	1073	148	1065	19	1068	51
91500@40	11	72	25	0.001	5.611	0.5	0.075	4.1	1.849	4.2	0.178	0.5	0.13	1075	161	1057	11	1063	54
91500@44	12	80	29	0.001	5.516	0.8	0.075	3.0	1.869	3.1	0.181	0.8	0.26	1062	117	1074	16	1070	40
91500@46	12	83	29	0.001	5.608	0.5	0.075	2.8	1.843	2.9	0.178	0.5	0.18	1067	111	1058	10	1061	37
91500@47	12	78	28	0.000	5.585	0.6	0.077	2.6	1.890	2.6	0.179	0.6	0.23	1110	100	1062	12	1078	35
91500@48	14	89	31	0.001	5.519	1.0	0.074	4.9	1.851	5.0	0.181	1.0	0.19	1044	192	1074	19	1064	65
91500@49	13	83	29	0.001	5.587	0.7	0.075	2.1	1.842	2.2	0.179	0.7	0.33	1059	84	1061	14	1060	29
91500@50	14	90	32	0.000	5.572	0.7	0.076	1.7	1.878	1.8	0.179	0.7	0.39	1092	66	1064	14	1073	24
91500@52	13	84	29	0.001	5.599	0.9	0.074	3.0	1.830	3.2	0.179	0.9	0.27	1050	121	1059	17	1056	41
91500@53	12	76	26	0.001	5.606	0.5	0.079	3.5	1.946	3.5	0.178	0.5	0.14	1176	134	1058	9	1097	46
91500@54	12	80	28	0.000	5.622	0.8	0.076	2.6	1.863	2.8	0.178	0.8	0.29	1094	104	1055	16	1068	36
91500@55	13	84	28	0.003	5.604	1.1	0.072	9.5	1.768	9.6	0.178	1.1	0.11	982	365	1058	21	1034	121
91500@56	12	78	28	0.001	5.622	0.6	0.076	3.4	1.870	3.4	0.178	0.6	0.16	1102	132	1055	11	1070	45
91500@57	12	78	28	0.001	5.576	1.4	0.074	4.8	1.825	5.0	0.179	1.4	0.29	1036	188	1063	28	1054	65
91500@58	12	79	28	0.001	5.601	0.9	0.072	2.7	1.764	2.8	0.179	0.9	0.31	976	108	1059	17	1032	36
91500@59	12	79	28	0.001	5.517	0.6	0.074	2.0	1.850	2.1	0.181	0.6	0.28	1042	81	1074	12	1064	28
91500@60	12	80	29	0.000	5.573	0.7	0.076	2.3	1.883	2.4	0.179	0.7	0.29	1098	91	1064	14	1075	32
91500@61	12	83	29	0.000	5.693	0.8	0.073	1.9	1.775	2.1	0.176	0.8	0.39	1022	77	1043	16	1036	27
91500@62	12	83	29	0.000	5.681	1.0	0.075	2.5	1.809	2.7	0.176	1.0	0.36	1056	99	1045	18	1049	35
91500@63	13	83	29	0.000	5.646	0.6	0.075	3.2	1.838	3.3	0.177	0.6	0.18	1076	127	1051	11	1059	43
91500@64	12	81	28	0.000	5.669	0.8	0.076	1.8	1.841	1.9	0.176	0.8	0.41	1088	69	1047	15	1060	25
91500@65	12	82	28	0.001	5.887	0.7	0.073	2.8	1.699	2.9	0.170	0.7	0.23	1002	113	1011	12	1008	37
91500@66	13	85	29	0.000	5.747	0.8	0.076	1.8	1.820	2.0	0.174	0.8	0.38	1091	73	1034	15	1053	26
91500@67	12	82	28	0.000	5.686	0.8	0.074	2.4	1.801	2.6	0.176	0.8	0.31	1049	97	1044	15	1046	33
91500@68	12	78	26	0.000	5.667	0.7	0.075	2.1	1.817	2.2	0.176	0.7	0.34	1060	82	1048	14	1052	29
91500@69	12	80	27	0.000	5.667	0.6	0.076	2.0	1.844	2.1	0.176	0.6	0.28	1090	78	1048	11	1061	27
91500@74	11	77	27	0.000	5.758	0.9	0.075	2.4	1.797	2.6	0.174	0.9	0.34	1070	96	1032	17	1044	33
91500@75	11	73	25	0.001	5.712	0.6	0.076	2.6	1.830	2.7	0.175	0.6	0.22	1090	102	1040	11	1056	35
91500@76	12	75	26	0.000	5.598	0.8	0.075	2.0	1.835	2.1	0.179	0.8	0.38	1055	78	1060	16	1058	28
91500@77	13	82	29	0.000	5.610	0.6	0.075	0.9	1.841	1.1	0.178	0.6	0.52	1066	36	1057	11	1060	14
91500@78	12	75	27	0.000	5.507	0.7	0.076	1.2	1.902	1.4	0.182	0.7	0.48	1094	49	1076	13	1082	19
91500@79	12	77	27	0.000	5.531	0.5	0.076	1.3	1.903	1.4	0.181	0.5	0.38	1104	52	1071	11	1082	19
91500@80	12	77	27	0.000	5.642	0.5	0.075	1.3	1.828	1.4	0.177	0.5	0.37	1063	51	1052	10	1055	18
91500@81	12	76	27	0.000	5.557	0.8	0.075	1.1	1.859	1.4	0.180	0.8	0.57	1067	44	1067	15	1067	18
91500@85	11	77	27	0.000	6.078	0.8	0.075	1.5	1.700	1.7	0.165	0.8	0.49	1067	59	982	15	1009	22
91500@86	11	77	28	0.000	6.111	0.6	0.074	1.6	1.666	1.8	0.164	0.6	0.36	1037	66	977	11	996	22
91500@01	13	79	28	0.000	5.225	1.0	0.075	1.3	1.967	1.6	0.191	1.0	0.58	1056	53	1129	20	1104	22
91500@02	13	79	28	0.000	5.261	1.2	0.075	2.0	1.966	2.4	0.190	1.2	0.52	1069	80	1122	25	1104	32
91500@03	13	79	28	0.000	5.212	1.1	0.076	1.6	1.999	1.9	0.192	1.1	0.56	1084	62	1132	22	1115	25
91500@04	13	78	28	0.000	5.126	1.0	0.074	1.1	2.002	1.5	0.195	1.0	0.68	1054	45	1149	22	1116	21
91500@05	13	78	28	0.000	5.199	1.1	0.075	1.1	1.983	1.5	0.192	1.1	0.69	1062	45	1134	22	1110	21
91500@06	13	80	29	0.000	5.400	0.9	0.076	1.2	1.950	1.6	0.185	0.9	0.60	1105	49	1095	19	1098	21
91500@07	13	83	30	0.000	5.575	1.2	0.075	1.4	1.847	1.8	0.179	1.2	0.64	1060	55	1063	23	1062	24
91500@08	13	84	30	0.000	5.744	1.2	0.072	2.6	1.732	2.8	0.174	1.2	0.43	990	102	1035	23	1021	36
91500@09	13	83	30	0.000	5.689	1.2	0.078	1.3	1.881	1.8	0.176	1.2	0.68	1136	51	1044	23	1074	23
91500@10	12	83	30	0.000	5.771	1.2	0.075	1.4	1.790	1.8	0.173	1.2	0.65	1066	56	1030	23	1042	24
91500@11	12	84	30	0.000	5.809	1.3	0.072	1.3	1.712	1.9	0.172	1.3	0.71	989	53	1024	25	1013	24
91500@12	12	83	30	0.000	5.726	1.0	0.074	1.5	1.778	1.9	0.175	1.0	0.56	1038	61	1038	20	1038	24
91500@13	13	84	30	0.000	5.636	1.3	0.074	1.5	1.811	2.0	0.177	1.3	0.65	1042	59	1053	25	1049	25
91500@14	13	82	29	0.000	5.341	1.3	0.077	1.3	1.986	1.9	0.187	1.3	0.69	1120	53	1106	26	1111	25
91500@15	13	81	29	0.000	5.456	1.0	0.075	1.7	1.898	2.0	0.183	1.0	0.50	1071	67	1085	20	1080	26
91500@16	13	81	29	0.000	5.394	1.2	0.074	1.4	1.884	1.8	0.185	1.2	0.63	1033	57	1096	23	1075	24
91500@17	13	81	29	0.000	5.381	1.1	0.076	1.2	1.956	1.6	0.186	1.1	0.65	1104	49	1099	21	1100	22
91500@18	13	80	29	0.000	5.497	1.2	0.075	1.5	1.869	1.9	0.182	1.2	0.62	1056	59	1077	23	1070	25
91500@19	13	81	29	0.001	5.484	1.2	0.072	3.0	1.799	3.2	0.182	1.2	0.37	973	120	1080	24	1045	42
91500@20	13	82	30	0.000	5.462	1.1	0.076	2.3	1.929	2.6	0.183	1.1	0.45	1106	90	1084	23	1091	34
91500@21	13	83	30	0.000	5.621	1.3	0.076	2.4	1.858	2.7	0.178	1.3	0.47	1088	95	1055	25	1066	36
91500@22	12	81	29	0.000	5.677	1.1	0.075	1.8	1.832	2.2	0.176	1.1	0.53	1080	72	1046	22	1057	28
91500@23	12	82	29	0.000	5.785	1.4	0.084	2.7	1.996	3.0	0.173	1.4	0.46	1287	103	1028	27	1114	41
91500@24	12	80	29	0.000	5.741	1.0	0.077	0.9	1.855	1.3	0.174	1.0	0.76	1127	34	1035	19	1065	18
91500@25	12	79	28	0.000	5.774	1.0	0.075	1.3	1.799	1.7	0.173	1.0	0.60	1078	52	1030	19	1045	21
91500@26	10	76	28	0.001	6.413	1.3	0.075	4.0	1.607	4.2	0.156	1.3	0.31	1061	156	934	23	973	52
91500@27	12	79	28	0.001	5.707	1.3	0.074	2.2	1.798	2.5	0.175	1.3	0.50	1052	87	1041	24	1045	33
91500@28	12	82	29	0.000	5.514	1.3	0.075	1.9	1.892	2.3	0.181	1.3	0.56	1086	75	1074	25	1078	30
91500@29	13	84	29	0.000	5.430	1.3	0.076	1.1	1.919	1.7	0.184	1.3	0.76	1084	44	1090	26	1088	22
91500@30	11	80	28	0.001	6.103	1.4	0.075	5.0	1.699	5.2	0.164	1.4	0.28	1074	196	978	26	1008	66
91500@31	13	87	31	0.000	5.879	1.3	0.076	3.1	1.773	3.4	0.170	1.3	0.38	1084	122	1013	24	1036	43
91500@32	13	82	31	0.003	5.498	1.5	0.072	10.2	1.803	10.3	0.182	1.5	0.15	983	389	1077	30	1046	130
91500@33	13	88	33	0.003	6.041	1.9	0.069	12.3	1.568	12.4	0.166	1.9	0.16	889	470	987	36	957	149
91500@34	13	82	29	0.005	5.534	1.5	0.072	9.6	1.803	9.7	0.181	1.5	0.15	997	369	1071	29	1047	123
91500@36	13	85	32	0.003	5.590	1.9	0.078	9.7	1.936	9.9	0.179	1.9	0.20	1159	363	1061	38	1094	128
91500@37	12	82	31	0.002	5.675	2.3	0.070	12.9	1.706	13.1	0.176	2.3	0.17	935	488	1046	44	1011	161
91500@38	14	91	32	0.001	5.719	1.9	0.074	7.9	1.775	8.1	0.175	1.9	0.23	1031	302	1039	36	1036	102
91500@39	13	88	31	0.001	5.650	1.5	0.071	6.4	1.743	6.6	0.177	1.5	0.23	969	252	1050	29	1024	83
91500@40	13	85	30	0.002	5.424	1.8	0.074	8.4	1.869	8.6	0.184	1.8	0.21	1028	324	1091	36	1070	111
91500@41	14	92	33	0.001	5.468	1.2	0.074	1.7	1.862	2.1	0.183	1.2	0.56	1037	69	1083	23	1068	27
91500@42	13	83	29	0.000	5.412	1.1	0.074	2.8	1.891	3.0	0.185	1.1	0.36	1048	110	1093	22	1078	39
91500@43	12	76	25	0.000	5.405	1.1	0.076	1.3	1.946	1.7	0.185	1.1	0.65	1103	51	1094	22	1097	23
91500@44	12	83	30	0.000	5.832	4.5	0.075	2.9	1.778	5.4	0.171	4.5	0.84	1074	116	1020	85	1037	69
91500@45	12	83	29	0.000	5.814	1.0	0.078	2.4	1.839	2.6	0.172	1.0	0.37	1135	93	1023	18	1060	33
91500@46	11	84	31	0.000	6.443	1.2	0.078	2.5	1.662	2.8	0.155	1.2	0.43	1139	99	930	21	994	35
91500@48	13	81	28	0.001	5.415	1.1	0.073	4.3	1.857	4.5	0.185	1.1	0.25	1012	170	1092	22	1066	58
91500@49	13	82	28	0.001	5.613	1.1	0.073	3.7	1.805	3.8	0.178	1.1	0.29	1027	145	1057	22	1047	50
91500@50	13	83	29	0.000	5.564	1.2	0.079	3.0	1.953	3.3	0.180	1.2	0.37	1168	118	1065	24	1100	43
91500@51	12	82	29	0.001	6.054	1.3	0.071	4.2	1.609	4.4	0.165	1.3	0.30	947	166	985	24	974	54
91500@52	11	79	28	0.001	6.421	1.4	0.072	4.0	1.545	4.2	0.156	1.4	0.34	984	157	933	25	948	51
91500@53	11	82	29	0.001	6.383	1.5	0.075	5.0	1.620	5.2	0.157	1.5	0.28	1068	194	938	26	978	64
91500@54	11	77	28	0.001	6.141	1.3	0.075	4.7	1.684	4.9	0.163	1.3	0.27	1069	185	972	24	1003	62
91500@55	10	81	29	0.001	6.814	1.2	0.073	3.2	1.473	3.4	0.147	1.2	0.36	1009	127	883	20	919	41
91500@56	11	80	29	0.002	6.265	1.4	0.070	9.4	1.548	9.5	0.160	1.4	0.15	939	363	955	25	950	114
91500@58	13	82	28	0.008	5.411	5.9	0.040	73.3	1.022	73.5	0.185	5.9	0.08	0	1826	1093	118	715	641
91500@59	12	81	29	0.005	5.752	4.1	0.070	30.0	1.674	30.3	0.174	4.1	0.13	923	1038	1033	78	999	353
91500@60	13	80	27	0.009	5.461	5.1	0.078	42.4	1.960	42.7	0.183	5.1	0.12	1138	1343	1084	101	1102	506
91500@61	12	80	28	0.009	5.672	7.3	0.052	81.6	1.256	81.9	0.176	7.3	0.09	271	2468	1047	140	826	763
91500@62	13	88	30	0.008	5.630	4.4	0.054	54.6	1.325	54.8	0.178	4.4	0.08	375	1819	1054	86	857	552
91500@67	11	81	27	0.012	6.133	10.7	0.076	79.7	1.713	80.4	0.163	10.7	0.13	1100	2177	974	192	1014	834
91500@70	13	80	28	0.005	5.309	3.4	0.059	32.4	1.538	32.6	0.188	3.4	0.11	575	1164	1112	70	946	366
91500@71	13	81	29	0.005	5.171	5.1	0.072	28.9	1.930	29.4	0.193	5.1	0.17	997	996	1140	107	1092	359
91500@72	13	77	28	0.006	5.205	4.2	0.071	30.6	1.870	30.9	0.192	4.2	0.14	946	1052	1133	87	1071	373
91500@73	13	75	27	0.007	5.135	5.6	0.073	41.0	1.968	41.4	0.195	5.6	0.14	1022	1327	1147	118	1105	493
91500@74	13	80	27	0.000	5.223	1.2	0.075	1.5	1.991	1.9	0.191	1.2	0.62	1079	59	1129	24	1112	25
91500@75	13	82	28	0.000	5.460	1.0	0.076	0.7	1.911	1.2	0.183	1.0	0.81	1087	27	1084	19	1085	16
91500@76	14	81	27	0.001	5.057	1.1	0.072	4.5	1.971	4.6	0.198	1.1	0.24	994	176	1163	24	1106	61
91500@77	13	81	26	0.001	5.264	1.5	0.074	4.0	1.942	4.3	0.190	1.5	0.35	1046	159	1121	31	1096	57
91500@78	14	82	28	0.001	5.062	1.1	0.074	2.2	2.022	2.5	0.198	1.1	0.46	1048	87	1162	24	1123	33
91500@79	14	84	30	0.001	5.337	1.4	0.075	2.6	1.942	3.0	0.187	1.4	0.48	1073	104	1107	29	1096	40
91500@80	14	85	29	0.001	5.070	1.0	0.077	4.1	2.082	4.2	0.197	1.0	0.23	1110	158	1161	21	1143	56
91500@81	11	68	22	0.001	5.302	1.4	0.072	6.1	1.863	6.2	0.189	1.4	0.22	976	238	1114	28	1068	81
91500@82	10	64	20	0.002	5.336	1.2	0.075	4.7	1.943	4.9	0.187	1.2	0.25	1073	184	1107	25	1096	64
91500@83	12	71	23	0.002	5.202	1.3	0.076	7.9	2.018	8.0	0.192	1.3	0.17	1099	299	1133	27	1122	105
91500@0	12	82	29	0.000	5.790	0.8	0.077	1.0	1.842	1.3	0.173	0.8	0.63	1130	39	1027	15	1060	17
91500@01	12	78	28	0.000	5.389	1.4	0.075	1.1	1.918	1.8	0.186	1.4	0.77	1067	45	1097	27	1087	23
91500@02	12	79	28	0.000	5.582	0.8	0.075	1.9	1.844	2.1	0.179	0.8	0.39	1059	77	1062	16	1061	28
91500@03	13	82	29	0.000	5.517	0.8	0.075	2.1	1.879	2.3	0.181	0.8	0.36	1074	85	1074	16	1074	30
91500@04	12	80	28	0.000	5.603	0.9	0.076	1.4	1.865	1.6	0.178	0.9	0.53	1089	54	1059	17	1069	21
91500@05	13	82	29	0.000	5.475	0.8	0.077	1.6	1.946	1.8	0.183	0.8	0.47	1128	63	1081	17	1097	24
91500@06	13	83	29	0.000	5.558	0.6	0.077	0.8	1.907	1.0	0.180	0.6	0.58	1118	33	1067	12	1084	13
91500@07	13	82	29	0.000	5.503	0.9	0.075	1.2	1.867	1.5	0.182	0.9	0.59	1056	47	1076	17	1070	19
91500@10	13	82	29	0.000	5.489	0.8	0.075	1.4	1.881	1.6	0.182	0.8	0.52	1065	55	1079	16	1074	21
91500@11	12	79	27	0.000	5.529	1.1	0.075	1.5	1.862	1.8	0.181	1.1	0.59	1060	58	1072	21	1068	24
91500@12	13	80	28	0.000	5.459	0.9	0.075	0.8	1.906	1.2	0.183	0.9	0.72	1081	33	1084	17	1083	16
91500@14	12	80	28	0.000	5.695	1.0	0.077	0.6	1.873	1.1	0.176	1.0	0.86	1130	23	1043	19	1072	15
91500@16	12	79	27	0.000	5.683	1.0	0.077	0.7	1.863	1.2	0.176	1.0	0.83	1116	28	1045	20	1068	16
91500@20	12	81	28	0.001	5.697	1.2	0.071	1.9	1.708	2.3	0.176	1.2	0.55	945	77	1042	24	1011	29
91500@21	13	81	29	0.000	5.528	1.4	0.075	2.2	1.878	2.6	0.181	1.4	0.53	1076	88	1072	28	1073	34
91500@22	13	82	28	0.000	5.602	1.0	0.073	1.4	1.803	1.7	0.178	1.0	0.57	1021	57	1059	19	1046	22
91500@23	13	83	29	0.000	5.552	0.9	0.072	1.4	1.787	1.7	0.180	0.9	0.54	984	57	1068	18	1041	22
91500@24	13	81	28	0.000	5.441	1.1	0.074	1.4	1.866	1.7	0.184	1.1	0.61	1031	55	1088	21	1069	23
91500@25	12	76	29	0.000	5.587	2.6	0.071	1.6	1.764	3.0	0.179	2.6	0.84	972	65	1061	50	1032	39
91500@26	13	88	31	0.000	5.960	1.6	0.076	1.3	1.748	2.0	0.168	1.6	0.77	1084	52	1000	29	1027	26
91500@27	13	84	30	0.000	5.570	0.6	0.076	1.6	1.874	1.7	0.180	0.6	0.35	1087	62	1064	12	1072	22
91500@39	14	90	33	0.001	5.394	0.9	0.078	1.5	1.982	1.8	0.185	0.9	0.49	1135	60	1096	18	1109	24
91500@40	14	86	30	0.000	5.412	0.6	0.076	2.1	1.927	2.2	0.185	0.6	0.27	1086	82	1093	12	1091	29
91500@41	13	86	30	0.000	5.788	0.7	0.071	1.1	1.699	1.3	0.173	0.7	0.55	966	45	1027	14	1008	17
91500@42	14	89	33	0.000	5.385	1.2	0.071	0.6	1.829	1.4	0.186	1.2	0.90	970	24	1098	25	1056	18
91500@45	12	81	28	0.001	5.906	0.8	0.072	1.0	1.679	1.3	0.169	0.8	0.65	984	40	1008	16	1001	16
91500@46	12	88	32	0.001	6.094	0.8	0.067	0.9	1.513	1.3	0.164	0.8	0.67	835	39	979	15	936	15
91500@47	14	89	32	0.001	5.468	0.7	0.069	1.4	1.738	1.5	0.183	0.7	0.43	896	57	1083	13	1023	20
91500@48	14	89	31	0.001	5.336	0.7	0.070	1.0	1.807	1.2	0.187	0.7	0.53	926	42	1107	13	1048	16
91500@49	15	88	32	0.001	5.184	1.2	0.068	1.5	1.818	1.9	0.193	1.2	0.64	880	60	1137	25	1052	25
91500@52	11	81	28	0.000	6.205	0.6	0.071	1.1	1.581	1.2	0.161	0.6	0.51	962	43	963	11	963	15
91500@55	11	85	30	0.000	6.396	0.7	0.070	0.9	1.504	1.1	0.156	0.7	0.61	921	37	936	12	932	14
91500@01	12	78	27	0.000	5.580	0.6	0.074	0.6	1.839	0.9	0.179	0.6	0.72	1053	24	1063	12	1060	11
91500@02	13	77	27	0.000	5.246	0.6	0.073	0.5	1.916	0.8	0.191	0.6	0.75	1011	21	1125	12	1087	11
91500@03	13	83	29	0.000	5.360	0.7	0.071	1.2	1.821	1.4	0.187	0.7	0.53	952	49	1103	15	1053	18
91500@04	14	82	29	0.000	5.082	0.6	0.071	1.0	1.930	1.1	0.197	0.6	0.51	962	39	1158	12	1092	15
91500@06	11	79	28	0.000	5.987	0.7	0.071	0.9	1.643	1.1	0.167	0.7	0.61	967	37	996	13	987	14
91500@07	12	77	27	0.000	5.629	0.8	0.073	0.9	1.795	1.2	0.178	0.8	0.63	1022	38	1054	15	1044	16
91500@08	12	76	26	0.000	5.691	0.8	0.073	0.9	1.765	1.2	0.176	0.8	0.68	1009	34	1044	15	1033	15
91500@09	11	77	27	0.000	5.817	0.7	0.073	1.2	1.719	1.4	0.172	0.7	0.52	1001	49	1023	14	1016	18
91500@10	13	79	28	0.000	5.365	0.7	0.070	0.9	1.800	1.2	0.186	0.7	0.59	930	38	1102	14	1046	15
91500@12	12	74	26	0.000	5.414	0.7	0.072	0.9	1.838	1.1	0.185	0.7	0.65	991	35	1093	15	1059	15
91500@13	13	80	28	0.001	5.474	1.0	0.070	2.3	1.771	2.5	0.183	1.0	0.38	937	93	1082	19	1035	32
91500@14	12	77	27	0.001	5.499	0.8	0.074	2.1	1.843	2.3	0.182	0.8	0.34	1028	85	1077	15	1061	30
91500@15	12	75	26	0.001	5.627	0.9	0.072	2.3	1.760	2.5	0.178	0.9	0.37	981	93	1055	18	1031	32
91500@16	12	76	26	0.001	5.371	0.9	0.072	0.8	1.844	1.2	0.186	0.9	0.74	981	34	1101	18	1061	16
91500@17	11	74	26	0.001	5.625	0.9	0.072	1.0	1.757	1.4	0.178	0.9	0.68	976	40	1055	18	1030	18
91500@18	11	73	25	0.001	5.626	0.6	0.072	0.9	1.763	1.1	0.178	0.6	0.54	984	37	1055	11	1032	14
91500@19	11	73	25	0.001	5.837	0.6	0.072	1.6	1.708	1.7	0.171	0.6	0.36	994	63	1019	11	1012	21
91500@20	11	74	26	0.001	5.678	0.8	0.071	1.8	1.726	2.0	0.176	0.8	0.41	960	72	1046	16	1018	25
91500@21	13	86	30	0.001	5.605	0.8	0.078	1.4	1.921	1.6	0.178	0.8	0.49	1149	56	1058	16	1088	22
91500@22	13	85	30	0.001	5.680	0.7	0.078	1.5	1.894	1.6	0.176	0.7	0.41	1147	57	1045	13	1079	21
91500@23	13	84	30	0.001	5.536	0.7	0.079	0.9	1.976	1.1	0.181	0.7	0.61	1181	35	1070	14	1107	15
91500@24	13	84	29	0.001	5.628	0.7	0.079	1.8	1.925	2.0	0.178	0.7	0.38	1162	72	1054	15	1090	26
91500@25	13	82	29	0.001	5.581	0.7	0.078	1.9	1.919	2.1	0.179	0.7	0.35	1138	77	1062	14	1088	28
91500@26	12	82	29	0.001	5.640	0.6	0.076	2.1	1.861	2.2	0.177	0.6	0.28	1098	84	1052	12	1067	29
91500@27	12	82	29	0.001	5.816	0.9	0.077	1.9	1.822	2.1	0.172	0.9	0.45	1118	73	1023	18	1053	27
91500@28	13	86	30	0.001	5.713	1.1	0.079	3.1	1.900	3.3	0.175	1.1	0.34	1166	119	1040	21	1081	43
91500@29	13	87	29	0.001	5.564	0.9	0.076	1.2	1.893	1.5	0.180	0.9	0.60	1105	49	1065	18	1079	20
91500@30	14	84	29	0.001	5.309	0.9	0.078	1.3	2.024	1.6	0.188	0.9	0.55	1146	52	1112	18	1124	21
91500@31	12	78	26	0.001	5.645	0.9	0.077	1.5	1.873	1.7	0.177	0.9	0.52	1113	59	1051	18	1072	23
91500@32	13	85	29	0.001	5.490	0.9	0.074	2.3	1.868	2.5	0.182	0.9	0.37	1052	93	1079	18	1070	33
91500@33	13	86	30	0.001	5.731	0.7	0.078	1.1	1.873	1.3	0.174	0.7	0.55	1143	42	1037	14	1072	17
91500@34	14	89	31	0.001	5.431	0.6	0.078	2.0	1.983	2.1	0.184	0.6	0.29	1150	80	1090	12	1110	29
91500@35	12	80	29	0.001	5.580	0.9	0.083	3.0	2.049	3.1	0.179	0.9	0.30	1268	113	1063	18	1132	42
91500@36	13	86	31	0.001	5.795	1.0	0.082	2.6	1.947	2.8	0.173	1.0	0.35	1241	99	1026	18	1097	37
91500@37	13	81	29	0.001	5.499	0.7	0.082	2.8	2.053	2.9	0.182	0.7	0.25	1243	107	1077	14	1133	39
91500@38	13	82	29	0.001	5.478	1.2	0.079	1.3	1.986	1.8	0.183	1.2	0.67	1169	52	1081	24	1111	24
91500@39	13	81	29	0.001	5.458	1.1	0.083	1.7	2.094	2.0	0.183	1.1	0.56	1267	65	1085	23	1147	28
91500@40	13	79	28	0.001	5.345	1.1	0.078	1.6	2.002	2.0	0.187	1.1	0.57	1137	64	1106	23	1116	27
91500@41	13	84	30	0.001	5.544	0.7	0.082	2.5	2.045	2.6	0.180	0.7	0.26	1251	97	1069	13	1131	35
91500@42	13	80	29	0.001	5.399	1.4	0.083	3.8	2.121	4.0	0.185	1.4	0.34	1271	145	1095	28	1156	55
91500@43	13	84	30	0.001	5.575	0.9	0.080	2.9	1.987	3.0	0.179	0.9	0.29	1206	112	1063	18	1111	41
91500@44	13	84	30	0.001	5.743	0.8	0.080	2.5	1.911	2.7	0.174	0.8	0.29	1187	99	1035	14	1085	35
91500@45	12	80	29	0.001	5.645	0.7	0.078	1.4	1.894	1.5	0.177	0.7	0.44	1136	54	1051	13	1079	20
FAILED STANDARDS																			
91500@28	1	387	5	0.032	469.310	63.3	0.003	6344.4	0.001	6344.7	0.002	63.3	0.01	0	6031	14	17	1	128
91500@35	321	668	36	0.052	1.790	148.5	0.140	124.5	10.760	193.7	0.559	148.5	0.77	2223	2630	2861	5501	2503	2071
91500@68	16	105	29	0.020	5.531	17.8	0.053	150.5	1.328	151.5	0.181	17.8	0.12	340	3606	1071	347	858	1265
91500@69	17	101	28	0.018	5.060	14.7	0.063	110.4	1.709	111.4	0.198	14.7	0.13	699	2851	1163	308	1012	1081
91500@47	19	25	35	0.001	1.100	2.2	0.073	4.8	9.117	5.3	0.909	2.2	0.42	1007	189	4168	137	2350	95
91500@64	13	79	28	0.010	5.119	7.1	0.085	33.1	2.298	33.8	0.195	7.1	0.21	1323	1068	1150	149	1212	430
91500@65	15	84	27	0.013	4.791	13.9	0.059	95.4	1.687	96.4	0.209	13.9	0.14	553	2639	1222	305	1004	961
91500@63	13	84	29	0.006	5.560	4.5	0.056	50.9	1.377	51.1	0.180	4.5	0.09	433	1710	1066	89	879	527
91500@57	9	81	30	0.001	7.638	1.5	0.074	3.5	1.342	3.8	0.131	1.5	0.39	1051	140	793	22	864	44
91500@66	13	79	26	0.011	5.187	6.5	0.088	46.3	2.329	46.7	0.193	6.5	0.14	1374	1397	1136	136	1221	574
91500@19	8	65	24	0.000	6.866	2.3	0.084	0.9	1.679	2.5	0.146	2.3	0.93	1283	37	877	38	1001	32
91500@18	9	66	24	0.000	6.240	1.1	0.084	1.2	1.861	1.6	0.160	1.1	0.66	1298	46	958	19	1067	21
91500@17	9	76	28	0.000	7.547	0.8	0.088	0.9	1.600	1.2	0.133	0.8	0.66	1374	36	802	12	970	15
91500@50	9	75	28	0.000	6.767	1.0	0.082	0.9	1.665	1.4	0.148	1.0	0.72	1238	37	889	16	995	17
91500@54	9	79	30	0.000	7.791	0.9	0.082	1.2	1.451	1.5	0.128	0.9	0.60	1245	46	778	13	910	18
91500@11	9	60	25	0.000	5.474	2.0	0.083	1.3	2.081	2.4	0.183	2.0	0.85	1260	50	1082	40	1143	33
91500@05	11	73	28	0.000	5.903	1.1	0.085	1.2	1.981	1.6	0.169	1.1	0.68	1311	45	1009	20	1109	21

91500@51	10	73	27	0.000	6.441	0.6	0.082	0.9	1.754	1.1	0.155	0.6	0.52	1244	36	930	10	1029	14
91500@44	10	74	28	0.000	6.411	0.9	0.081	1.1	1.749	1.4	0.156	0.9	0.63	1229	42	934	15	1027	18
91500@53	10	71	27	0.000	6.252	0.8	0.081	1.2	1.792	1.4	0.160	0.8	0.55	1227	46	957	14	1042	18
91500@43	10	72	27	0.000	6.244	0.8	0.085	1.9	1.870	2.0	0.160	0.8	0.39	1309	71	958	14	1071	26

P = correlation coefficient

TABLE S5: LASER ABLATION ZIRCON U-Pb DATA

Sample #	Grain #	^{206}Pb (cps)	^{207}Pb (cps)	^{208}Pb (cps)	^{232}Th (cps)	^{238}U (cps)	Th/U	Contents (ppm)			Data for Tera-Wasserburg plot				Data for Normal - Wetherill plot					Ages (Ma)						Discordance (%)			Preferred Age	
								Pb	Th	U	^{238}U/^{206}Pb	1σ %	^{207}Pb/^{206}Pb	1σ %	^{207}Pb/^{235}U	1σ %	^{206}Pb/^{238}U	1σ %	ρ	^{207}Pb/^{206}Pb	2σ	^{206}Pb/^{238}U	2σ	^{207}Pb/^{235}U	2σ	6-38/7-6	6-38/7-35	Age (Ma)	2σ	Exp.
SJ7	119	123600	7320	14100	505000	2213000	0.6	519	333	55	13.344	1.8	0.058	1.2	0.600	2.2	0.075	1.8	0.83	535	55	466	16	477	17	12.9	2.3	466	16	6
SJ7	93	526000	30410	87400	2915000	9120000	0.9	2157	2453	354	13.130	1.8	0.056	1.1	0.597	2.1	0.076	1.8	0.85	493	48	473	16	475	16	4.0	0.4	473	16	6
SJ7	98	1097000	64300	213000	6570000	18790000	0.9	4350	5340	858	13.089	2.1	0.057	1.0	0.603	2.3	0.076	2.1	0.90	506	45	475	19	478	18	6.1	0.7	475	19	6
SJ7	62	810000	46900	28500	945000	13980000	0.2	4160	844	125	12.835	1.7	0.057	1.1	0.611	2.0	0.078	1.7	0.85	492	44	484	16	484	16	1.7	0.1	484	16	6
SJ7	92	618000	35400	59900	1807000	10300000	0.5	2450	1529	243	12.636	1.6	0.056	1.1	0.611	2.0	0.079	1.6	0.84	468	48	491	17	486	16	-4.9	-1.0	491	17	6
SJ7	104	252000	14750	26700	711000	4190000	0.5	956	547	107	12.610	1.9	0.058	1.1	0.625	2.2	0.079	1.9	0.87	518	49	492	18	493	17	5.0	0.1	492	18	6
SJ7	89	146300	8470	20600	432000	2490000	0.5	554	340	89	12.596	1.8	0.057	1.1	0.622	2.1	0.079	1.8	0.87	486	50	493	17	491	17	-1.3	-0.3	493	17	6
SJ7	14	80000	4710	23400	772000	1309000	1.5	76.6	188.1	89	12.516	1.9	0.058	1.1	0.638	2.2	0.080	1.9	0.86	526	51	495	18	501	17	5.8	1.1	495	18	6
SJ7	2	110600	6530	46000	1487000	1857000	1.9	138.1	413	169	12.473	1.8	0.058	1.4	0.652	2.2	0.080	1.8	0.84	524	58	497	18	509	17	5.1	2.4	497	17	6
SJ7	102	27200	1650	21300	573000	451000	3.6	103.4	449	85	12.453	2.0	0.059	1.6	0.653	2.5	0.080	2.0	0.79	563	70	498	19	509	20	11.6	2.2	498	19	6
SJ7	42	238000	14100	41000	1200000	3940000	0.8	836	7080	174	12.438	1.8	0.058	1.3	0.648	2.1	0.080	1.8	0.81	542	53	499	17	507	18	8.0	1.6	499	17	6
SJ7	75	1048000	61200	37200	1439000	17360000	0.2	4480	1228	162	12.436	1.7	0.058	1.0	0.644	2.1	0.080	1.7	0.83	516	44	499	17	505	17	3.4	1.2	499	17	6
SJ7	103	194700	11380	37300	1057000	3190000	0.9	729	821	149	12.416	1.8	0.058	1.1	0.644	2.1	0.081	1.8	0.83	540	50	499	18	506	18	7.5	1.3	499	18	6
SJ7	61	53600	3170	38100	1176000	885000	3.7	265.2	1051	167	12.407	1.9	0.058	1.3	0.650	2.2	0.081	1.9	0.83	547	55	500	18	508	18	8.6	1.6	500	18	6
SJ7	79	79700	4630	6300	215000	1330000	0.4	327.4	179	27.5	12.346	1.9	0.058	1.2	0.644	2.2	0.081	1.9	0.85	511	56	502	18	508	18	1.7	0.7	502	18	6
SJ7	86	455600	26720	94500	2736000	7520000	1.0	1719	2189	409	12.340	1.9	0.058	1.0	0.641	2.1	0.081	1.9	0.85	509	47	502	18	503	16	1.3	0.2	502	17	6
SJ7	85	146500	8530	39300	1152000	2384000	1.4	550	927	170	12.323	1.8	0.058	1.2	0.648	2.2	0.081	1.8	0.86	513	54	503	18	507	17	2.0	0.8	503	18	6
SJ7	53	230000	13200	61900	1522000	3730000	1.1	801	1920	267	12.306	1.8	0.058	1.1	0.641	2.1	0.081	1.8	0.85	489	48	504	18	504	16	-3.0	0.1	504	18	6
SJ7	91	926000	54000	92500	2760000	15060000	0.5	3600	2350	376	12.250	1.8	0.058	1.0	0.647	2.1	0.082	1.8	0.88	513	46	506	18	506	17	1.4	0.1	506	18	6
SJ7	37	200300	11470	15000	547000	3160000	0.4	688	N.D.	63	12.255	1.8	0.057	1.1	0.645	2.1	0.082	1.8	0.88	497	49	506	18	506	17	-1.8	0.2	506	18	6
SJ7	52	128000	7440	76200	1690000	2100000	2.2	447	2300	328	12.240	1.9	0.057	1.2	0.646	2.2	0.082	1.9	0.85	501	52	506	18	506	17	-1.1	-0.1	506	18	6
SJ7	117	471000	27480	138300	3970000	7740000	1.4	1797	2674	545	12.223	1.8	0.057	1.1	0.644	2.1	0.082	1.8	0.85	500	50	507	18	505	17	-1.4	-0.4	507	17	6
SJ7	9	436000	26050	121500	3640000	7030000	1.2	435	911	454	12.225	1.8	0.058	1.1	0.656	2.1	0.082	1.8	0.83	540	50	507	18	512	18	6.1	0.9	507	18	6
SJ7	27	184300	10750	41500	983000	3000000	0.8	235.7	301	162	12.210	1.8	0.058	1.1	0.651	2.1	0.082	1.8	0.83	522	51	507	18	510	17	2.8	0.5	507	18	6
SJ7	44	72400	4410	17200	462000	1153000	1.0	242.9	1650	73	12.195	1.9	0.060	1.3	0.670	2.3	0.082	1.9	0.82	597	56	508	19	520	19	14.9	2.4	508	19	6
SJ7	23	61700	3570	20500	572000	996700	1.5	65.1	154	79	12.180	1.9	0.057	1.5	0.654	2.4	0.082	1.9	0.80	493	66	509	19	511	19	-3.1	0.4	509	19	6
SJ7	73	77600	4560	21700	582000	1255000	1.3	331.6	502	95	12.048	1.8	0.058	1.2	0.662	2.3	0.083	1.8	0.80	517	54	514	18	515	18	0.6	0.3	514	18	6
SJ7	24	134300	7640	7900	221000	2130000	0.3	144	61.1	30.8	12.031	1.8	0.057	1.1	0.656	2.1	0.083	1.8	0.84	480	52	515	18	512	17	-7.2	-0.6	515	18	6
SJ7	5	146200	8780	68400	2760000	2290000	2.9	154.8	727	253	12.019	1.9	0.059	1.3	0.682	2.5	0.083	1.9	0.77	579	51	515	19	527	20	11.0	2.3	515	19	6
SJ7	21	254000	14980	29000	748000	3970000	0.5	247	194.4	112	11.969	1.8	0.058	1.0	0.666	2.1	0.084	1.8	0.85	520	51	518	17	518	17	0.3	0.1	517	18	6
SJ7	58	122700	7350	15500	364000	1966000	0.5	448	352	67	11.905	1.8	0.059	1.3	0.682	2.3	0.084	1.8	0.81	577	60	520	19	528	18	9.9	1.4	520	19	6
SJ7	68	157900	9380	33800	900000	2520000	1.0	706	793	148	11.899	1.8	0.059	1.2	0.672	2.1	0.084	1.8	0.86	544	46	520	18	522	17	4.4	0.3	520	18	6
SJ7	16	162100	9650	71900	2060000	2530000	2.0	147.7	503	273	11.715	1.8	0.059	1.1	0.686	2.1	0.085	1.8	0.86	550	48	528	18	530	17	6.9	0.4	528	18	6
SJ7	26	405000	24300	69000	1750000	6500000	0.7	480	513	271	11.677	1.8	0.058	1.0	0.681	2.1	0.086	1.8	0.85	512	47	530	18	527	18	-3.5	-0.5	530	18	6
SJ7	38	694000	42370	25400	451000	10670000	0.1	2307		107	11.473	1.8	0.059	1.1	0.711	2.1	0.087	1.8	0.85	581	46	539	19	546	17	7.3	1.3	539	19	6
SJ7	41	196500	12900	24600	380000	2313000	0.4	492.1	3100	104	8.811	1.9	0.064	1.2	1.006	2.2	0.114	1.9	0.84	752	49	693	24	707	22	7.9	1.9	693	24	6
SJ7	22	65100	4320	7800	132000	770000	0.5	48.8	34.8	30.1	8.554	2.1	0.063	1.3	0.999	2.6	0.117	2.1	0.84	700	56	712	29	701	26	-1.7	-1.6	712	29	6
SJ7	49	215300	13950	24100	375000	2470000	0.4	520	662	103	8.482	2.2	0.064	1.1	1.049	2.5	0.118	2.2	0.89	752	46	718	30	728	26	4.5	1.4	718	30	6
SJ7	59	532000	35600	49300	768000	5710000	0.4	1326	710	213	7.930	1.9	0.066	1.1	1.139	2.2	0.126	1.9	0.87	804	44	765	28	775	24	4.9	1.3	765	28	6
SJ7	114	108700	7420	10200	227000	1115000	0.5	256.2	157	40	7.764	1.9	0.068	1.2	1.192	2.2	0.129	1.9	0.87	859	50	781	28	796	24	9.1	1.9	781	28	6
SJ7	112	309900	20770	24000	359000	3108000	0.3	711	254	95	7.502	1.9	0.067	1.1	1.222	2.2	0.133	1.9	0.88	822	47	806	28	811	23	1.9	0.6	806	28	6
SJ7	1	119000	7600	10900	202000	1180000	0.4	411	57.2	40	7.402	2.1	0.067	1.9	1.264	2.3	0.135	2.1	0.94	842	75	816	33	829	26	3.1	1.6	816	33	6
SJ7	81	99400	6720	28000	446000	994000	1.2	239	368	122	7.391	1.8	0.067	1.1	1.241	2.1	0.135	1.8	0.82	828	49	818	28	819	25	1.2	0.1	818	28	6
SJ7	50	288000	19300	23100	323000	2780000	0.3	587	517	99	7.310	1.8	0.067	1.1	1.248	2.2	0.137	1.8	0.84	826	47	826	29	822	24	0.0	-0.5	826	29	6
SJ7	90	218900	14760	15000	211000	2117000	0.3	509	180	61	7.315	1.8	0.066	1.1	1.236	2.1	0.137	1.8	0.87	818	45	826	28	818	24	-1.0	-1.0	826	28	6
SJ7	56	96300	6520	29200	436000	925000	1.3	204.9	460	126	7.283	1.8	0.067	1.2	1.267	2.1	0.137	1.8	0.87	838	51	829	28	832	25	1.0	0.3	829	28	6
SJ7	105	247800	17030	136600	2338000	2375000	2.6	541.8	1781	546	7.257	1.9	0.069	1.2	1.294	2.2	0.138	1.9	0.88	880	49	832	29	842	25	5.5	1.2	832	29	6
SJ7	31	257300	17420	31200	526000	2470000	0.6	562		130	7.246	1.8	0.067	1.0	1.270	2.1	0.138	1.8	0.84	841	44	833	28	833	25	1.0	0.0	833	28	6
SJ7	34	126500	8620	35200	611000	1215000	1.3	270.2		147	7.231	1.8	0.067	1.1	1.266	2.2	0.138	1.8	0.84	831	49	835	29	835	24	-0.5	0.0	835	29	6
SJ7	87	284000	20400	19000	318000	2728000	0.3	618	253	82	7.220	2.1	0.071	1.1	1.355	2.4	0.139	2.1	0.87	950	45	836	34	865	29	12.0	3.4	836	34	6
SJ7	51	346900	23260	32700	495000	3327000	0.4	706	727	141	7.215	1.8	0.066	1.1	1.263	2.1	0.139	1.8	0.86	804	45	836	28	829	24	-4.0	-0.9	836	28	6
SJ7	10	848000	57500	138300	2510000	8030000	0.8	490	622	518	7.158	1.8	0.067	1.0	1.289	2.1	0.140	1.8	0.85	836	43	844	27	841	24	-0.9	-0.4	844	27	6
SJ7	66	159500	11020	26900	474000	1495000	0.8	428	420	118	7.022	1.8	0.067	1.1	1.328	2.1	0.142	1.8	0.86	850	44	858	29	858	25	-0.9	-0.6	858	29	6
SJ7	111	280000	19200	18400	280000	2560000	0.3	584	200	41	6.964	1.8	0.067	1.0	1.328	2.1	0.144	1.8	0.86	836	43	865	30	858	25	-2.2	-0.9	865	30	6
SJ7	113	401000	28800	90000	1332000	3626000	1.0	831	933	357	6.911	3.5	0.069	1.2	1.370	4.4	0.145	3.5	0.79	882	47	868	57	855	35	1.6	-1.5	868	57	6
SJ7	7	200000	13630	9800	159000	1838000	0.2	118.8	40.9	36	6.840	1.9	0.068	1.1	1.374	2.2	0.146	1.9	0.85	863	51	879	31	878	26	-1.9	-0.2	879	31	6
SJ7	40	375000	26660	42600	472000	3261000	0.4	697	5930	180	6.689	1.8	0.071	1.1	1.462	2.1	0.150	1.8	0.87	951	45	898	30	915	25	5.6	1.8	898	30	6
SJ7	20	108200	7800	16800	261000	906000	0.7	55.2	66.3	64.5	6.394	2.0	0.072	1.2	1.539	2.2	0.156	2.0	0.87	979	48	937	34	945	27	4.3	0.8	937	34	6
SJ7	107	382000	29500	60400	882000	3270000	0.7	745	659	241	6.386	1.9	0.075	1.1	1.621	2.5	0.157	1.9	0.77	1069	54	938	33	976	30	12.3	3.9	938	33	6
SJ7	108	141700	10270	30000	521000	1164000	1.2	265.1	384	119	6.173	1.9	0.072	1.2	1.591	2.2	0.162	1.9	0.87	983	45	968	34	967	26	0.5	-0.1	968	34	6
SJ7	13	117500	8960	5500	44900	964000	0.1	56.8	11	20.8	6.158	1.9	0.077	1.2	1.729	2.2	0.162	1.9	0.87	1126	46	970	34	1020	29	13.9	4.9	970	34	6
SJ7	57	199600	14540	44400	528000	1634000	0.9	367	532	192	6.131	1.9	0.071	1.2	1.596	2.2	0.163	1.9	0.87	968	44	974	34	970	28	-0.6	-0.5	974	34	6
SJ7	25	419000	30120	54000	653000	3330000	0.5	235.1	185	210	6.039	1.9	0.071	1.1	1.627	2.1	0.166	1.8	0.88	957	44	988	34	980	26	-3.2	-0.8	988	34	6
SJ7	94	94600	7050	13200	224000	744000	0.8	175	188	53	5.814	1.9	0.073	1.2	1.720	2.2	0.172	1.9	0.86	1023	46	1023	36	1015	28	0.0	-0.8	1023	36	6
SJ7	3	102100	7870	17800	294000	741000	1.0	53.1	80.1	65.4	5.546	1.9	0.076	1.1	1.877	2.2	0.180	1.9	0.86	1083	47	1068	37	1072	29	1.4	0.4	1068	37	6
SJ7	60	571000	46900	21700	294000	4140000	0.1	1251	110	58	5.385	2.7	0.080	1.6	2.090	3.8	0.186	2.7	0.70	1188	64	1095	56	1127	52	7.8	2.8	1095	56	6
SJ7	97	121600	9390	33600	421000	858000	1.3	199.4	345	136	5.308	1.9	0.076	1.1	1.971	2.2	0.188	1.9	0.87	1092	44	1113	39	1105	29	-1.9	-0.7	1113	39	6
SJ7	115	23800	1858	9700	140000	164600	2.1	37.9	96.1	38	5.230	2.2	0.077	1.6	2.019	2.7	0.191	2.2	0.82	1119	63	1127	46	1118	36	-0.7	-0.8	1127	46	6
SJ7	100	394700	30680	18300	244000	2720000	0.2	628	197	74	5.187	1.8	0.077	1.1	2.023	2.1	0.193	1.8	0.85	1114	44	1138	37	1124	28	-2.2	-1.3	1138	37	6
SJ7	80	398000	31550	47600	647000	2710000	0.6	659	537	207	5.149	1.9	0.078	1.1	2.087	2.1	0.194	1.9	0.88	1137	45	1144	39	1144	29	-0.6	0.0	1144	39	6
SJ7	19	352000	27400	52600	677000	2380000	0.7	143	170	202	5.086	1.8	0.078	1.1	2.107	2.1	0.197	1.8	0.85	1140	43	1158	37	1151	29	-1.6	-0.6	1158	37	6
SJ7	99	153300	12140	24100	281000	1038000	0.7	239.7	226	97	5.076	1.8	0.078	1.1	2.119	2.1	0.197	1.8	0.85	1142	45	1159	39	1156	29	-1.5	-0.3	1159	39	6
SJ7	95	82100	6590	32200	472000	547000	2.4	128.3	392	130	5.023	1.9	0.080	1.2	2.169	2.2	0.199	1.9	0.87	1179	47	1170	42	1170	31	0.8	0.0	1170	42	6
SJ7	12	204100	16400	51300	544000	1294000	1.0	76.9	133.2	193	4.861	1.8	0.080	1.1	2.258	2.1	0.206	1.8	0.88	1191	42	1206	41	1199	30	-1.3	-0.6	1206	41	7
SJ7	116	2370000	198600	243000	2320000	14500000	0.5	3350	1850	960	4.579	1.8	0.087	1.1	2.618	2.1	0.218	1.8	0.89	1257	40	1273	41	1265	30	-1.3	-0.6	1257	40	7
SJ7	106	228000	19560	32800	394000	1386000	0.8	316	297	131	4.541	1.8	0.085	1.1	2.550	2.1	0.220	1.9	0.86	1314	40	1283	44	1286	32	2.4	0.2	1314	40	7
SJ7	96	221000	19600	41000	492000	1400000	1.0	326	406	168	4.649	2.1	0.087	1.6	2.640	3.4	0.215	2.1	0.62	1336	46	1255	48	1293	40	6.1	2.9	1336	46	7
SJ7	36	451000	41000	40100	393000	2510000	0.4	549		170	4.110	1.9	0.090	1.1	3.010	2.2	0.243	1.9	0.87	1419	42	1404	47	1409	32	1.1	0.4	1419	42	7
SJ7	17	896000	81300	146300	1541000	4750000	0.8	279	380	559	4.032	1.8	0.090	1.1	3.083	2.1	0.248	1.8	0.84	1430	40	1429	44	1428	32	0.0	-0.1	1430	40	7
SJ7	46	567000	52500	99750	923000	3431000	0.7	720	2360	425	4.558	1.8	0.091	1.1	2.752	2.2	0.219	1.8	0.84	1448	40	1279	42	1343	33	11.7	4.8	1448	40	7
SJ7	33	207500	19470	34400	256000	1089000	0.6	244.7		144	3.948	1.8	0.092	1.1	3.215	2.2	0.253	1.8	0.84	1465	43	1455	48	1461	32	0.7	0.4	1465	43	7
SJ7	76	830000	80500	60400	557000	4740000	0.3	1208	473	263	4.296	1.8	0.095	1.1	3.038	2.1	0.233	1.8	0.84	1521	40	1349	44	1417	33	11.3	4.8	1521	40	7
SJ7	4	109600	10730	34000	389000	548000	1.7	38.11	104.1	125	3.830	1.9	0.097	1.2	3.520	2.1	0.261	1.9	0.90	1571	43	1495	52	1530	35	4.8	2.3	1571	43	7
SJ7	18	122500	12180	31900	346000	708000	1.2	41.9	85.9	122	4.374	1.9	0.097	1.1	3.064	2.3	0.229	1.9	0.84	1572	41	1326	46	1426	34	15.6	7.0	1572	41	7
SJ7	11	299000	30300	20200	205000	1481000	0.3	89	50.4	75.9	3.824	1.9	0.098	1.3	3.527	2.4	0.262	1.9	0.79	1590	50	1497	52	1532	40	5.8	2.3	1590	50	7
SJ7	78	1195000	119200	195400	1571000	5990000	0.8	1492	1318	851	3.722	1.8	0.099	1.0	3.642	2.1	0.269	1.8	0.88	1595	39	1534	49	1558	33	3.8	1.6	1595	39	7
SJ7	54	413000	41600	59900	630000	2329000	0.6	503	750	258	4.179	2.0	0.100	1.1	3.313	2.3	0.239	2.0	0.87	1619	39	1382	49	1482	36	14.6	6.7	1619	39	7
SJ7	32	123800	12640	18300	171000	609000	0.7	137.5		76	3.740	2.1	0.100	1.1	3.720	2.4	0.267	2.1	0.85	1627	41	1526	56	1574	41	6.2	3.0	1627	41	7
SJ7	45	1115000	111900	56300	473000	7200000	0.2	1510	1390	240	4.484	3.1	0.101	1.2	3.160	4.0	0.223	3.1	0.79	1630	45	1293	72	1425	59	20.7	9.3	1630	45	7
SJ7	15	87700	9180	10000	82800	393000	0.5	22.92	20.2	37.9	3.408	1.9	0.103	1.2	4.207	2.3	0.293	1.9	0.83	1676	39	1658	54	1673	36	1.1	0.9	1676	39	7
SJ7	109	76400	8280	16500	163000	325700	1.3	74.2	118.9	66	3.190	1.9	0.106	1.3	4.620	2.4	0.314	1.9	0.80	1723	46	1762	58	1751	40	-2.3	-0.6	1723	46	7
SJ7	120	235000	25800	47300	355000	1027000	0.9	242	229	186	3.221	1.9	0.107	1.1	4.593	2.2	0.311	1.9	0.89	1755	39	1742	57	1747	35	0.7	0.3	1755	39	7
SJ7	30	318100	34960	20200	136500	1301000	0.3	298.5		84	3.075	1.8	0.108	1.1	4.861	2.2	0.325	1.8	0.85	1770	40	1814	59	1796	37	-2.5	-1.0	1770	40	7
SJ7	35	785000	93200	23300	149500	3250000	0.1	718		97	3.133	1.9	0.118	1.1	5.185	2.1	0.319	1.9	0.89	1919	38	1786	57	1849	36	6.9	3.4	1919	38	7
SJ7	6	316600	40600	43000	267000	1120000	0.6	73.9	69.3	159	2.689	1.7	0.127	1.1	6.528	2.1	0.372	1.7	0.81	2048	38	2038	63	2049	37	0.5	0.5	2048	38	7
SJ7	84	764000	115300	41100	280000	2350000	0.3	548	226	178	2.284	1.8	0.148	1.1	8.920	2.1	0.438	1.8	0.86	2328	38	2340	71	2331	38	-0.5	-0.4	2328	38	7
SJ7	101	354000	56400	59200	333000	1108000	0.8	254	264	238	2.345	1.9	0.159	1.1	9.350	2.1	0.426	1.9	0.88	2448	38	2289	71	2372	39	6.5	3.5	2448	38	7
SJ7	74	198400	32580	29700	156000	623000	0.7	162.7	134	130	2.326	1.9	0.160	1.1	9.490	2.2	0.430	1.9	0.86	2453	36	2308	70	2385	40	5.9	3.2	2453	36	7
SJ7	110	312100	51340	51900	298000	909000	0.9	207.3	216	206	2.177	1.9	0.161	1.1	10.140	2.1	0.459	1.9	0.87	2462	37	2436	75	2449	39	1.1	0.5	2462	37	7
SJ7	64	870000	146900	138100	780000	2457000	0.9	717	695	605	2.126	1.8	0.166	1.0	10.778	2.1	0.470	1.8	0.87	2516	34	2487	76	2505	38	1.2	0.7	2516	34	7
SJ7	72	268000	53800	35500	189000	733000	0.7	196	163.8	155	2.050	1.8	0.199	1.1	13.360	2.2	0.488	1.8	0.85	2816	38	2561	78	2705	40	9.1	5.3	2816	38	7
SJ7	28	77200	6070	24000	271000	658000	1.0	55.5	86.8	94	6.406	2.7	0.077	1.2	1.657	2.9	0.156	2.7	0.92	1116	47	933	46	986	37	16.4	5.4	N.D.	N.D.	4
SJ7	39	91200	5850	18200	578000	1540000	1.0	330	18500	77	12.771	1.9	0.063	2.6	0.692	3.9	0.078	1.9	0.47	619	53	486	17	515	18	21.5	5.6	N.D.	N.D.	4
SJ7	43	304000	23700	21000	271000	2810000	0.3	593	1220	89	6.949	1.9	0.077	1.1	1.532	2.2	0.144	1.9	0.86	1116	42	867	30	946	27	22.3	8.3	N.D.	N.D.	4
SJ7	47	23950	1603	16500	444000	350000	3.4	73.4	991	71	10.977	2.0	0.066	1.6	0.829	2.6	0.091	2.0	0.78	797	69	562	22	613	23	29.5	8.3	N.D.	N.D.	4
SJ7	55	472000	44200	16900	144000	3160000	0.1	692	160	73	5.023	2.0	0.093	2.9	2.600	4.2	0.199	2.0	0.48	1480	110	1170	44	1277	58	20.9	8.4	N.D.	N.D.	4
SJ7	65	485500	35400	54200	1218000	5185000	0.7	1499	1083	237	8.052	1.9	0.071	1.0	1.230	2.2	0.124	1.9	0.86	968	43	754	27	813	25	22.1	7.3	N.D.	N.D.	4
SJ7	82	41630	2650	18200	530000	658000	2.2	157	435	79	11.962	1.9	0.063	1.6	0.724	2.6	0.084	1.9	0.75	693	67	517	19	552	21	25.3	6.3	N.D.	N.D.	4
SJ7	83	84000	6540	19000	284000	760000	1.0	179	231	83	6.789	1.9	0.077	1.4	1.561	2.3	0.147	1.9	0.80	1115	53	886	31	955	28	20.5	7.2	N.D.	N.D.	4
SJ7	70	345	242	1500	-1200	17700	0.9	4.85	N.D.	6.7	39.063	10.2	0.810	25.3	2.820	9.8	0.026	10.2	1.00	-40000	13000	161	32	1220	130	100.4	86.8	N.D.	N.D.	3
SJ7	29	205000	37600	27100	179000	851000	0.5	77.6	60.2	106	3.218	1.9	0.182	1.1	7.790	2.2	0.311	1.9	0.88	2667	36	1751	58	2210	40	34.3	20.8	N.D.	N.D.	3
SJ7	67	113000	17000	18200	254000	524000	1.3	148	225	80	4.292	4.3	0.133	2.5	4.490	5.8	0.233	4.3	0.74	2133	87	1335	110	1630	110	37.4	18.1	N.D.	N.D.	3
SJ7	88	511000	86500	48800	987000	2712000	1.0	609	780	211	3.922	3.3	0.167	1.1	5.800	3.9	0.255	3.3	0.86	2521	37	1458	85	1947	64	42.2	25.1	N.D.	N.D.	3
SJ7	8	361700	25630	53600	856000	4990000	0.4	314.8	217	200	10.593	1.8	0.069	1.2	0.905	2.3	0.094	1.8	0.80	903	48	581	20	654	22	35.6	11.1	N.D.	N.D.	3
SJ7	48	558000	43500	57100	1103000	7030000	0.4	1477	2180	244	9.407	2.0	0.076	1.1	1.118	2.3	0.106	2.0	0.89	1101	44	651	25	761	24	40.9	14.5	N.D.	N.D.	3
SJ7	63	434900	54200	131800	3950000	3280000	3.2	968	3520	577	5.540	2.4	0.123	1.0	3.070	2.6	0.181	2.4	0.91	1997	36	1068	47	1422	41	46.5	24.9	N.D.	N.D.	3
SJ7	69	319100	25670	50800	2601000	4200000	1.8	1164	2283	222	9.766	1.8	0.079	1.0	1.122	2.1	0.102	1.8	0.84	1181	40	628	22	764	23	46.8	17.7	N.D.	N.D.	3
SJ7	71	2400	183	-500	59200	152600	1.0	41.3	51.5	N.D.	47.393	2.6	0.073	4.4	0.217	4.8	0.021	2.6	0.54	1040	180	135	7	199	17	87.1	32.4	N.D.	N.D.	3
SJ7	77	73200	5750	41600	1101000	1153000	2.7	290.5	929	181	12.019	1.9	0.078	3.9	0.898	4.8	0.083	1.9	0.40	1040	120	515	19	638	39	50.5	19.2	N.D.	N.D.	3
SJ7	118	3620	398	1500	101000	219700	1.1	51.2	67.2	5.7	45.269	2.5	0.108	4.1	0.327	4.7	0.022	2.5	0.53	1770	160	141	7	288	24	92.0	51.1	N.D.	N.D.	3
SJ8	49	9060	446	5400	786000	3220000	0.6	694	525	20	255.102	2.2	0.049	2.6	0.026	2.7	0.004	2.2	0.81	120	110	25	1	26	1.4	79.0	4.0	25	1	5
SJ8	34	27100	1277	-1500	122000	8590000	0.0	2040	95.6	N.D.	242.718	2.1	0.047	1.7	0.026	2.6	0.004	2.1	0.78	26	71	27	1	27	1.4	-1.9	0.1	27	1	5
SJ8	42	189900	9030	3200	557000	52400000	0.0	11550	404	12	210.926	1.8	0.047	1.2	0.031	2.1	0.005	1.8	0.85	38	51	30	1	31	1.3	19.8	0.8	30	1	5
SJ8	36	16890	796	6000	3630000	3400000	2.7	789	2800	22	151.172	1.9	0.047	1.8	0.043	2.5	0.007	1.9	0.77	63	79	43	2	43	2.1	32.5	0.0	43	2	5
SJ8	35	42000	2120	300	361000	7630000	0.1	1792	280	1	139.082	2.4	0.050	1.7	0.049	3.0	0.007	2.4	0.79	188	73	46	2	48	2.8	75.4	3.8	46	2	5
SJ8	47	17510	856	3000	707000	2846000	0.6	614.3	483	11	122.699	1.9	0.048	1.9	0.053	2.6	0.008	1.9	0.73	83	81	52	2	53	2.7	37.0	0.9	52	2	5
SJ8	73	57500	2826	7000	1622000	7940000	0.5	2149	814	27	104.493	1.9	0.048	1.5	0.063	2.2	0.010	1.9	0.84	92	66	61	2	62	2.7	33.3	0.2	61	2	5
SJ8	41	23900	1303	-300	767000	3370000	0.6	748	563	N.D.	103.842	1.9	0.053	1.8	0.070	2.4	0.010	1.9	0.81	332	82	62	2	68	3.2	81.4	9.6	62	2	5
SJ8	51	10150	488	-1000	412000	967000	1.1	209.2	269	N.D.	72.622	2.0	0.048	2.0	0.090	2.8	0.014	2.0	0.69	76	86	88	4	88	4.7	-15.9	-0.6	88	4	5
SJ8	77	12490	641	4500	527000	1152000	1.1	301.8	262	17	70.323	2.0	0.050	2.2	0.099	2.6	0.014	2.0	0.78	199	95	91	4	96	4.7	54.3	5.4	91	4	5
SJ8	53	26800	1275	-7300	358000	2461000	0.4	537	229	N.D.	69.444	1.8	0.047	1.6	0.094	2.4	0.014	1.8	0.75	71	68	92	3	92	4.3	-29.7	-0.7	92	3	5
SJ8	90	15860	807	7300	574000	1324000	0.9	321	459	29	63.654	2.1	0.050	2.0	0.109	2.9	0.016	2.1	0.72	176	89	101	4	105	5.7	42.9	4.3	101	4	6
SJ8	37	52700	2604	3200	576000	2474000	0.6	569	440	12	35.714	1.8	0.049	1.3	0.189	2.3	0.028	1.8	0.79	135	61	178	7	176	7.4	-31.9	-1.1	178	7	6
SJ8	50	18500	1000	-2400	140000	512000	0.6	110.5	92.2	N.D.	21.413	2.2	0.054	2.0	0.342	2.8	0.047	2.2	0.81	345	86	294	13	298	14	14.7	1.1	294	13	6
SJ8	24	103100	5990	8300	463000	1977000	0.6	404	242.1	31	14.535	1.9	0.057	1.2	0.540	2.2	0.069	1.9	0.85	511	53	429	16	438	15	16.1	2.2	429	16	6
SJ8	14	230200	13380	65200	2478000	4350000	1.5	873	1258	247	14.045	2.0	0.057	1.1	0.559	2.2	0.071	2.0	0.91	497	50	444	18	453	16	10.8	2.0	444	18	6
SJ8	66	148000	8900	16500	566000	2654000	0.5	782	296	62	13.889	2.5	0.059	1.4	0.590	2.5	0.072	2.5	1.00	565	62	448	22	470	18	20.7	4.7	448	22	6
SJ8	48	156700	9000	31600	1361000	2847000	1.2	614	919	118	13.678	1.8	0.057	1.1	0.568	2.1	0.073	1.8	0.87	490	51	455	16	457	15	7.2	0.5	455	16	6
SJ8	113	381000	21830	65900	2930000	6860000	0.9	1373	2390	261	13.587	2.0	0.057	1.1	0.572	2.2	0.074	2.0	0.90	474	48	458	17	459	16	3.4	0.3	458	17	6
SJ8	114	740000	42730	181500	8990000	13020000	1.4	2633	7280	721	13.519	1.8	0.057	1.2	0.581	2.1	0.074	1.8	0.88	500	50	460	16	465	16	8.0	1.1	460	16	6
SJ8	45	127100	8310	19000	737000	2240000	0.8	485	515	71	13.298	1.9	0.059	1.3	0.614	2.2	0.075	1.9	0.85	569	56	467	17	486	17	17.9	3.8	467	17	6
SJ8	68	181300	10420	20200	861000	3086000	0.7	886	443	77	13.070	1.8	0.057	1.1	0.602	2.2	0.077	1.8	0.85	475	52	475	17	479	17	0.0	0.7	475	17	6
SJ8	57	149800	8730	13300	650000	2515000	0.7	570	400	50	12.469	1.9	0.057	1.2	0.630	2.1	0.080	1.9	0.87	502	53	498	18	496	17	0.8	-0.5	498	18	6
SJ8	118	727000	41500	9100	417000	11510000	0.1	2490	323	36	12.315	1.8	0.057	1.1	0.640	2.1	0.081	1.8	0.88	478	54	503	18	503	17	-5.3	-0.1	503	18	6
SJ8	78	439000	25330	110900	4560000	7020000	1.6	1830	2270	423	12.311	1.8	0.057	1.1	0.639	2.1	0.081	1.8	0.87	488	49	503	18	503	16	-3.2	-0.1	503	18	6
SJ8	83	285100	16510	41600	1606000	4540000	0.8	1179	812	159	12.285	1.9	0.058	1.1	0.643	2.1	0.081	1.9	0.91	518	50	504	18	504	17	2.6	-0.1	504	18	6
SJ8	61	418000	24700	20700	754000	6760000	0.3	2130	409	78	12.237	1.8	0.059	1.1	0.668	2.1	0.082	1.8	0.85	572	48	506	17	519	17	11.5	2.5	506	17	6
SJ8	16	139900	8110	7500	232000	2257000	0.2	449.2	118	28	12.151	1.9	0.057	1.2	0.649	2.2	0.082	1.9	0.87	500	54	510	19	508	17	-1.9	-0.4	510	19	6
SJ8	1	373000	21700	26600	940000	6020000	0.2	1420	500	101	12.121	1.8	0.057	1.1	0.642	2.1	0.083	1.8	0.86	497	49	511	18	504	17	-2.8	-1.5	511	18	6
SJ8	93	801000	46800	49300	2080000	12500000	0.4	2880	1710	193	12.121	1.9	0.057	1.2	0.654	2.1	0.083	1.9	0.91	507	56	511	19	511	17	-0.8	0.0	511	19	6
SJ8	23	609000	35200	81000	3550000	10400000	0.9	2100	1840	306	12.107	1.9	0.057	1.1	0.643	2.2	0.083	1.9	0.89	493	47	511	19	504	17	-3.7	-1.5	511	19	6
SJ8	7	138900	8050	45100	1760000	2230000	1.9	478	912	171	12.107	1.9	0.057	1.2	0.646	2.2	0.083	1.9	0.87	493	52	511	18	506	17	-3.7	-1.1	511	18	6
SJ8	56	140900	8200	19700	892000	2221000	1.0	498	554	74	12.077	1.9	0.057	1.1	0.649	2.2	0.083	1.9	0.87	501	51	513	18	508	17	-2.3	-0.9	513	18	6
SJ8	92	218900	12690	11600	473000	3360000	0.3	787	386	45	12.063	1.9	0.057	1.2	0.657	2.1	0.083	1.9	0.88	489	52	513	19	512	17	-4.9	-0.2	513	19	6
SJ8	26	233500	13400	36200	2062000	3741000	1.4	784	1096	136	12.054	1.8	0.056	1.2	0.644	2.1	0.083	1.8	0.86	454	50	514	18	504	17	-13.1	-1.9	514	18	6
SJ8	2	26520	1557	9000	332000	423000	2.0	97.6	176.3	34.2	12.048	1.9	0.058	1.6	0.658	2.4	0.083	1.9	0.77	518	74	514	19	512	20	0.8	-0.3	514	19	6
SJ8	80	113600	6750	15300	871000	1780000	1.1	461	435	58	12.034	1.9	0.058	1.2	0.660	2.1	0.083	1.9	0.88	530	52	514	19	515	17	3.0	0.1	514	19	6
SJ8	65	125000	7180	20000	812000	1958000	1.0	585	427	76	12.019	1.9	0.056	1.2	0.647	2.2	0.083	1.9	0.86	454	51	515	18	507	17	-13.4	-1.7	515	18	6
SJ8	82	109700	6440	9300	460000	1738000	0.6	450	231	36	12.019	1.9	0.057	1.2	0.657	2.1	0.083	1.9	0.87	488	55	515	19	512	17	-5.6	-0.6	515	19	6
SJ8	86	168300	9650	25000	966000	2590000	0.8	676	738	97	11.976	1.9	0.057	1.1	0.655	2.1	0.084	1.9	0.87	481	49	517	18	511	17	-7.5	-1.1	517	18	6
SJ8	67	180500	10240	50400	1870000	2794000	1.6	813	969	191	11.919	1.8	0.057	1.2	0.653	2.1	0.084	1.8	0.86	475	54	520	18	510	17	-9.4	-1.9	520	18	6
SJ8	102	134400	7790	27200	1101000	2029000	1.1	412.4	943	107	11.779	1.9	0.057	1.1	0.673	2.2	0.085	1.9	0.87	498	49	525	19	523	18	-5.5	-0.4	525	19	6
SJ8	112	526000	30750	118700	4230000	7970000	1.1	1584	3480	471	11.779	1.9	0.058	1.3	0.684	2.2	0.085	1.9	0.89	526	57	525	19	529	18	0.1	0.7	525	19	6
SJ8	87	149400	8540	26400	982000	2302000	1.0	591	759	103	11.765	1.9	0.057	1.2	0.661	2.1	0.085	1.9	0.89	472	55	526	19	515	17	-11.4	-2.1	526	19	6
SJ8	20	73800	4240	20400	910000	1120000	2.0	222	463	77	11.669	1.9	0.057	1.2	0.673	2.2	0.086	1.9	0.84	483	56	530	19	523	18	-9.8	-1.3	530	19	6
SJ8	33	208100	12100	41400	1680000	3230000	1.3	777	1322	155	11.646	1.8	0.057	1.1	0.670	2.1	0.086	1.8	0.86	497	47	531	18	520	17	-6.8	-2.1	531	18	6
SJ8	29	90200	5140	9100	461000	1393000	0.8	309	253.6	34	11.574	1.9	0.057	1.2	0.675	2.1	0.086	1.9	0.86	476	53	534	19	524	18	-12.3	-2.0	534	19	6
SJ8	5	74200	4343	10100	511000	1134000	1.1	250.1	267	39	11.416	1.9	0.058	1.3	0.693	2.2	0.088	1.9	0.84	521	56	541	20	534	18	-3.9	-1.3	541	20	6
SJ8	27	26490	1545	7300	412000	386000	2.6	82.4	221	27	11.074	2.0	0.057	1.4	0.707	2.5	0.090	2.0	0.83	509	62	557	22	542	21	-9.4	-2.8	557	22	6
SJ8	117	183900	10660	14100	446000	2613000	0.3	552	350	56	10.776	1.9	0.057	1.2	0.729	2.2	0.093	1.9	0.86	475	56	572	21	557	18	-20.4	-2.7	572	21	6
SJ8	44	181000	11600	26000	744000	2440000	0.8	532	526	97	10.320	2.9	0.064	1.1	0.840	3.0	0.097	2.9	0.99	721	48	595	34	616	28	17.5	3.4	595	34	6
SJ8	100	424700	26330	1900	193000	5390000	0.1	1119	165	8	9.615	1.9	0.061	1.1	0.878	2.2	0.104	1.9	0.87	644	51	638	23	640	21	0.9	0.3	638	23	6
SJ8	63	25600	1604	3600	157000	296000	1.1	90.6	83.9	14	8.897	2.0	0.062	1.5	0.963	2.6	0.112	2.0	0.79	664	64	687	27	683	26	-3.5	-0.6	687	27	6
SJ8	110	1795000	120500	28500	559000	19820000	0.1	3900	468	113	8.489	2.0	0.065	1.1	1.068	2.3	0.118	2.0	0.87	783	47	718	27	737	24	8.3	2.6	718	27	6
SJ8	28	30900	2040	6600	253000	324000	2.0	70.4	137.3	25	7.943	2.0	0.065	1.4	1.131	2.5	0.126	2.0	0.80	779	55	764	28	770	27	1.9	0.8	764	28	6
SJ8	111	288000	19400	104000	2750000	2770000	2.0	547	2280	413	7.375	1.9	0.066	1.2	1.245	2.2	0.136	1.9	0.87	811	51	820	29	823	23	-1.1	0.3	820	29	6
SJ8	84	257800	17050	21200	512000	2442000	0.5	637	260	81	7.342	1.9	0.066	1.1	1.229	2.2	0.136	1.9	0.89	799	49	823	29	814	24	-3.0	-1.2	823	29	6
SJ8	120	206700	14460	20000	511000	1927000	0.4	440	386	80	7.267	1.9	0.068	1.3	1.301	2.2	0.138	1.9	0.86	870	53	831	29	847	24	4.5	1.9	831	29	6
SJ8	46	173300	11750	39200	850000	1659000	1.3	359	587	147	7.241	1.8	0.067	1.1	1.277	2.1	0.138	1.8	0.86	835	46	834	29	835	24	0.1	0.1	834	29	6
SJ8	39	106300	7240	22100	538000	1005000	1.3	227	403	82	7.225	1.9	0.066	1.2	1.258	2.1	0.138	1.9	0.88	812	49	835	30	828	26	-2.8	-0.9	835	30	6
SJ8	85	113200	7720	13400	298000	1065000	0.6	280	153.1	52	7.174	1.9	0.067	1.3	1.289	2.2	0.139	1.9	0.88	835	54	841	30	840	25	-0.7	-0.1	841	30	6
SJ8	81	170900	11570	12300	288000	1618000	0.4	418.5	144.1	47	7.163	1.9	0.067	1.2	1.276	2.2	0.140	1.9	0.88	817	49	842	30	835	24	-3.1	-0.9	842	30	6
SJ8	32	76900	5180	4800	242000	722000	0.8	175.8	191	18	7.158	1.9	0.067	1.2	1.275	2.2	0.140	1.9	0.86	837	49	843	30	836	24	-0.7	-0.8	843	30	6
SJ8	79	157500	10470	17600	446000	1462000	0.7	379	222	67	7.117	1.9	0.066	1.1	1.269	2.1	0.141	1.9	0.87	798	47	847	29	832	24	-6.1	-1.8	847	29	6
SJ8	99	291400	19570	50000	1233000	2700000	1.0	568	1050	197	7.123	1.9	0.066	1.2	1.280	2.1	0.140	1.9	0.88	805	50	847	30	837	24	-5.2	-1.2	847	30	6
SJ8	8	261000	17520	28800	629000	2420000	0.7	513	324	109	7.102	1.8	0.067	1.1	1.297	2.1	0.141	1.8	0.87	826	48	849	29	845	25	-2.8	-0.5	849	29	6
SJ8	104	58900	3980	22900	611000	543000	2.4	108.6	523	90	7.082	1.9	0.065	1.2	1.298	2.3	0.141	1.9	0.83	779	54	851	31	845	26	-9.2	-0.7	851	31	6
SJ8	38	94200	6220	21200	410000	865000	1.2	196.9	311	79	7.062	1.9	0.065	1.2	1.281	2.2	0.142	1.9	0.86	787	51	853	30	837	25	-8.4	-2.0	853	30	6
SJ8	91	153800	10300	28000	609000	1414000	0.9	337	492	110	6.954	1.9	0.066	1.1	1.304	2.1	0.144	1.9	0.87	801	49	866	30	848	25	-8.1	-2.1	866	30	6
SJ8	70	139400	9260	32500	903000	1254000	1.7	351	459	123	6.930	1.9	0.065	1.2	1.292	2.2	0.144	1.9	0.86	781	48	869	30	842	25	-11.3	-3.3	869	30	6
SJ8	15	174600	11770	17300	399000	1589000	0.6	317	202.7	65	6.817	2.1	0.067	1.4	1.367	2.5	0.147	2.1	0.82	847	53	882	34	873	27	-4.1	-1.0	882	34	6
SJ8	94	70600	5260	15800	229000	613000	0.8	138.7	190.5	62	6.623	2.0	0.073	1.3	1.525	2.3	0.151	2.0	0.87	1007	54	906	34	939	29	10.0	3.5	906	34	6
SJ8	55	84400	6030	2500	130000	694000	0.4	153.9	80.7	9	6.333	1.9	0.070	1.2	1.516	2.2	0.158	1.9	0.86	923	53	945	33	936	27	-2.4	-1.0	945	33	6
SJ8	116	300400	21090	14800	407000	2459000	0.3	511	323	59	6.262	1.9	0.069	1.2	1.527	2.1	0.160	1.9	0.88	896	48	955	33	943	26	-6.6	-1.3	955	33	6
SJ8	4	64700	4620	7100	174000	520000	0.8	116.4	91.7	27	6.002	1.9	0.071	1.2	1.622	2.3	0.167	1.9	0.85	950	50	993	35	979	29	-4.5	-1.4	993	35	6
SJ8	60	173900	13140	3200	62000	1387000	0.1	330	37.5	12	5.984	1.9	0.074	1.1	1.715	2.2	0.167	1.9	0.86	1040	44	996	36	1015	29	4.2	1.9	996	36	6
SJ8	54	499000	37440	39500	842000	3849000	0.5	846	532	148	5.945	1.8	0.074	1.1	1.705	2.1	0.168	1.8	0.87	1046	43	1002	34	1010	27	4.2	0.8	1002	34	6
SJ8	95	281000	20500	48400	1019000	2160000	1.0	481	852	190	5.928	1.9	0.072	1.1	1.677	2.1	0.169	1.9	0.88	983	47	1005	35	1000	28	-2.2	-0.5	1005	35	6
SJ8	18	124100	9210	11500	258000	932000	0.7	184.8	131.3	44	5.787	1.9	0.072	1.2	1.747	2.3	0.173	1.9	0.84	1000	54	1030	38	1025	29	-3.0	-0.5	1030	38	6
SJ8	74	184300	15030	18700	409000	1352000	0.7	362	204	71	5.580	1.9	0.080	1.2	1.975	2.2	0.179	1.9	0.87	1186	49	1062	37	1109	29	10.5	4.2	1062	37	6
SJ8	64	110300	8720	25500	483000	784000	1.5	237.5	256	96	5.385	1.9	0.079	1.1	2.007	2.2	0.186	1.9	0.87	1161	46	1098	39	1118	30	5.4	1.8	1098	39	6
SJ8	76	415000	34700	72800	1258000	2879000	1.0	759	626	278	5.336	1.9	0.081	1.2	2.115	2.4	0.187	1.9	0.80	1228	48	1107	38	1152	32	9.9	3.9	1107	38	6
SJ8	89	119700	9400	5500	86300	826000	0.2	204	68.4	22	5.313	1.9	0.077	1.2	1.998	2.2	0.188	1.9	0.87	1128	47	1114	37	1116	30	1.2	0.2	1114	37	6
SJ8	115	162300	12840	36800	681000	1098000	1.2	224.7	546	146	5.258	1.9	0.078	1.2	2.056	2.2	0.190	1.9	0.89	1153	51	1122	40	1135	29	2.7	1.2	1122	40	6
SJ8	108	120000	9580	34300	543000	764000	1.5	150.3	459	136	4.973	2.0	0.079	1.1	2.199	2.2	0.201	2.0	0.89	1171	46	1181	42	1181	32	-0.9	0.0	1181	42	6
SJ8	43	252300	20590	58200	1003000	1593000	1.6	349	719	218	4.801	1.8	0.081	1.1	2.314	2.1	0.208	1.8	0.88	1213	45	1219	41	1216	30	-0.5	-0.2	1213	45	7
SJ8	22	217100	19160	15100	216000	1176000	0.4	236	111	57	4.082	1.9	0.087	1.2	2.914	2.2	0.245	1.9	0.85	1344	47	1412	48	1384	33	-5.1	-2.0	1344	47	7
SJ8	97	487000	43040	23200	335000	2713000	0.3	586	283	91	4.259	1.9	0.087	1.1	2.804	2.1	0.235	1.9	0.87	1360	43	1360	45	1359	33	0.0	-0.1	1360	43	7
SJ8	101	477300	42380	68100	828000	2547000	0.7	523	709	268	4.117	1.8	0.088	1.1	2.955	2.0	0.243	1.8	0.90	1377	44	1402	46	1396	32	-1.8	-0.5	1377	44	7
SJ8	119	176200	15940	17700	292000	987000	0.6	218.2	223	70	4.283	2.0	0.089	1.3	2.912	2.2	0.234	2.0	0.89	1409	51	1356	47	1384	33	3.8	2.0	1409	51	7
SJ8	30	284200	28040	16400	254000	1732000	0.4	395	141.9	62	4.513	2.5	0.097	1.1	2.960	2.9	0.222	2.5	0.86	1558	43	1288	56	1393	42	17.3	7.5	1558	43	7
SJ8	72	146900	14920	13900	181000	681000	0.6	186.4	91	53	3.476	2.1	0.099	1.1	3.943	2.3	0.288	2.1	0.91	1611	42	1629	58	1622	38	-1.1	-0.4	1611	42	7
SJ8	103	1292000	210000	206000	1694000	3590000	1.0	723	1451	812	2.153	1.8	0.160	1.1	10.300	2.1	0.465	1.8	0.86	2456	36	2459	74	2466	38	-0.1	0.3	2456	36	7
SJ8	6	45000	2936	10500	380000	696000	1.4	151.5	197.5	40	11.547	1.9	0.064	1.6	0.771	2.5	0.087	1.9	0.77	758	68	536	20	579	22	29.2	7.4	N.D.	N.D.	4
SJ8	17	173000	12120	2900	66000	1950000	0.1	388	33.6	11	8.264	2.1	0.070	1.6	1.160	2.6	0.121	2.1	0.81	925	64	736	29	782	28	20.4	5.9	N.D.	N.D.	4
SJ8	62	114500	7390	29000	1950000	2136000	1.4	663	1050	110	13.774	2.7	0.063	1.6	0.624	2.5	0.073	2.7	1.00	707	67	452	24	494	20	36.1	8.5	N.D.	N.D.	4
SJ8	75	132000	7660	18300	659000	2690000	0.6	715	328	70	15.291	2.1	0.058	1.2	0.533	2.3	0.065	2.1	0.88	537	52	409	16	433	17	23.9	5.7	N.D.	N.D.	4
SJ8	88	39400	2460	6300	330000	644000	1.1	162.3	258	25	12.658	2.2	0.062	1.9	0.686	2.5	0.079	2.2	0.87	668	78	490	20	531	21	26.6	7.7	N.D.	N.D.	4
SJ8	105	85700	5210	8600	575000	1870000	0.7	371.5	491	34	16.892	2.4	0.060	1.2	0.493	2.5	0.059	2.4	0.93	588	53	370	17	407	17	37.1	9.1	N.D.	N.D.	4
SJ8	106	67400	4360	12300	531000	1096000	1.0	217	453	48	12.453	2.4	0.064	1.4	0.700	2.6	0.080	2.4	0.92	735	62	500	22	539	21	32.0	7.2	N.D.	N.D.	4
SJ8	109	330200	28770	38000	495000	2490000	0.4	490	417	150	5.858	2.3	0.085	1.1	2.038	2.5	0.171	2.3	0.92	1318	45	1019	42	1128	35	22.7	9.7	N.D.	N.D.	4
SJ8	10	106000	6200	5000	373000	2050000	0.8	424	191	19	17.422	6.7	0.057	1.5	0.444	6.9	0.057	6.7	0.98	468	66	357	48	357	46	23.7	0.0	357	48	2
SJ8	25	4530	241	-4800	40600	61200	1.4	12.65	21.4	N.D.	10.091	3.1	0.054	3.5	0.718	4.1	0.099	3.1	0.75	340	140	608	36	550	33	-78.8	-10.5	608	36	3
SJ8	3	3020	285	-1200	206000	444000	1.1	100.9	109	N.D.	110.619	2.5	0.095	4.0	0.114	4.4	0.009	2.5	0.57	1520	150	58	3	109	9.1	96.2	46.7	58	3	3
SJ8	52	16	19.4	2400	4700	2800	10.6	0.61	3.1	9	116.279	50.0	0.890	50.0	1.100	50.0	0.009	50.0	1.00	5200	5200	55	55	740	740	98.9	92.6	55	55	3
SJ8	11	1260	231	1000	4700	2700	2.8	0.55	2.4	3.7	1.818	50.0	0.420	50.0	32.000	50.0	0.550	50.0	1.00	4000	4000	2800	2800	3600	3600	30.0	22.2	N.D.	N.D.	3
SJ8	12	17100	1440	3500	435000	1193000	0.9	242.8	222	13	51.546	9.0	0.072	5.0	0.222	13.1	0.019	9.0	0.69	850	170	115	13	178	33	86.5	35.4	N.D.	N.D.	3
SJ8	69	32700	2850	8200	249000	1230000	0.4	349	127	31	21.053	7.8	0.097	6.2	0.487	4.9	0.048	7.8	1.00	1300	220	296	45	398	33	77.2	25.6	N.D.	N.D.	3
SJ8	71	14	2.2	-1000	4400	3700	-0.8	1.01	2.2	N.D.	50.000	82.5	1.900	97.4	1.000	75.0	0.020	82.5	1.00	60000	11000	130	210	630	810	99.8	79.4	N.D.	N.D.	3
SJ8	9	11520	4110	10600	30100	114900	0.4	24.08	15.5	40	7.380	2.5	0.346	1.4	6.560	2.8	0.136	2.5	0.90	3688	45	818	39	2047	48	77.8	60.0	N.D.	N.D.	3
SJ8	13	107400	9050	19200	440000	967000	1.1	195	224	73	6.671	2.7	0.083	1.3	1.718	2.7	0.150	2.7	1.00	1272	52	903	47	1013	34	29.0	10.9	N.D.	N.D.	3
SJ8	21	1131	846	800	73400	32200	5.4	6.43	37.7	3	20.747	5.2	0.758	3.6	4.890	4.7	0.048	5.2	1.00	4860	130	302	30	1755	64	93.8	82.8	N.D.	N.D.	3
SJ8	31	19790	1624	7700	292000	507000	1.4	124.8	232	29	19.569	2.2	0.080	2.1	0.548	2.9	0.051	2.2	0.74	1182	82	321	14	442	21	72.9	27.4	N.D.	N.D.	3
SJ8	58	86700	7060	25400	2050000	1332000	1.6	306.1	1250	95	11.601	2.0	0.082	2.2	0.962	3.3	0.086	2.0	0.62	1251	83	533	21	680	32	57.4	21.6	N.D.	N.D.	3

SJ8	59	17970	3270	10500	297000	400000	1.9	93.6	180.5	39	16.529	2.2	0.177	1.4	1.488	2.5	0.061	2.2	0.89	2623	44	378	16	923	30	85.6	59.0	N.D.	N.D.	3
SJ8	98	32100	3380	-2100	9400	496000	0.1	105.6	8	N.D.	11.990	2.0	0.103	1.4	1.206	2.3	0.083	2.0	0.87	1664	50	517	20	802	25	69.0	35.6	N.D.	N.D.	3
SJ8	19	42	21	-4300	-2000	-1610	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1
SJ8	40	15	6.7	-1400	-2600	-360	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1
SJ8	96	-3	-20.7	-3200	-9400	-2000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1
SJ8	107	-7	-15.4	-4400	-3300	200	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1

P = correlation coefficient
Exp. = screening explanation
N.D. = not determined

TABLE S6: LASER ABLATION ZIRCON U-Pb STANDARD

Analysis #	^{206}Pb (cps)	^{207}Pb (cps)	^{208}Pb (cps)	^{232}Th (cps)	^{238}U (cps)	Th/U	Contents (ppm)			Data for Tera-Wasserburg plot				Data for Normal - Wetherill plot					Ages (Ma)						Discordance (%)	
							Pb	Th	U	$^{238}U/^{206}Pb$	1σ %	$^{207}Pb/^{206}Pb$	1σ %	$^{207}Pb/^{235}U$	1σ %	$^{206}Pb/^{238}U$	1σ %	ρ	$^{207}Pb/^{206}Pb$	2σ	$^{206}Pb/^{238}U$	2σ	$^{207}Pb/^{235}U$	2σ	6-38/ 7-6	6-38/ 7-35
91500																										
Z_91500_0	68500	5210	4800	99100	480000	0.42	79	31	15	5.473	2.0	0.075	1.2	1.889	2.2	0.183	2.0	0.89	1081	47	1084	38	1076	30	-0.3	0.7
Z_91500_1	70900	5364	5800	95300	503000	0.38	84	31	18	5.534	1.9	0.075	1.2	1.873	2.2	0.181	1.9	0.86	1065	50	1071	37	1072	29	-0.6	-0.1
Z_91500_2	63600	4709	4000	78200	452000	0.35	76	27	13	5.519	1.9	0.073	1.2	1.842	2.2	0.181	1.9	0.84	1017	46	1073	37	1059	29	-5.5	1.3
Z_91500_3	68800	5240	6800	91200	505000	0.37	82	33	22	5.528	2.0	0.076	1.2	1.881	2.3	0.181	2.0	0.85	1080	49	1071	39	1073	31	0.8	-0.2
Z_91500_4	45940	3459	5300	50700	335300	0.32	80	31	18	5.552	2.0	0.074	1.2	1.828	2.3	0.180	2.0	0.87	1037	50	1067	39	1056	29	-2.9	1.0
Z_91500_5	43940	3276	2800	48500	314900	0.26	80	29	10	5.559	1.9	0.074	1.2	1.847	2.2	0.180	1.9	0.85	1037	49	1066	37	1061	29	-2.8	0.5
Z_91500_6	62200	4780	4100	85200	467000	0.45	84	42	16	5.714	1.9	0.076	1.1	1.836	2.2	0.175	1.9	0.85	1092	46	1039	36	1057	29	4.9	-1.7
Z_91500_7	44180	3419	3900	43300	322300	0.31	73	24	16	5.537	2.0	0.076	1.3	1.874	2.3	0.181	2.0	0.86	1089	50	1070	39	1070	30	1.7	0.0
Z_91500_8	45480	3482	4300	51400	341800	0.35	83	32	17	5.669	2.0	0.075	1.3	1.824	2.3	0.176	2.0	0.86	1068	53	1047	38	1052	30	2.0	-0.5
Z_91500_9	37670	2907	2100	35500	283700	0.37	80	29	9	5.714	2.0	0.076	1.3	1.812	2.3	0.175	2.0	0.85	1087	50	1039	38	1052	30	4.4	-1.2
Z_91500_10	36530	2778	1500	41200	270100	0.36	79	34	7	5.559	2.0	0.075	1.4	1.856	2.4	0.180	2.0	0.84	1067	54	1066	40	1063	32	0.1	0.3
Z_91500_11	35990	2706	3000	32600	268600	0.38	80	27	13	5.593	2.0	0.075	1.3	1.824	2.4	0.179	2.0	0.85	1070	54	1060	40	1052	31	0.9	0.8
Z_91500_12	38460	2912	4100	37600	298300	0.32	80	30	17	5.774	1.9	0.074	1.3	1.771	2.3	0.173	1.9	0.86	1049	54	1029	37	1034	29	1.9	-0.5
Z_91500_13	37520	2822	7500	40500	286600	0.30	79	32	31	5.682	1.9	0.074	1.4	1.793	2.3	0.176	1.9	0.83	1033	55	1045	37	1045	30	-1.2	0.0
Z_91500_14	38010	2895	300	36100	292600	0.25	80	29	1	5.760	2.0	0.074	1.3	1.780	2.5	0.174	2.0	0.81	1047	54	1031	38	1037	33	1.5	-0.6
Z_91500_15	37540	2824	4500	51500	267500	0.42	80	30	17	5.444	2.0	0.075	1.5	1.913	2.4	0.184	2.0	0.85	1077	59	1087	40	1088	33	-0.9	-0.1
Z_91500_16	36310	2732	3500	53000	260400	0.42	80	31	13	5.336	2.1	0.074	1.4	1.906	2.5	0.187	2.1	0.85	1031	56	1106	43	1080	33	-7.3	2.4
Z_91500_17	35780	2808	8900	50400	262900	0.43	80	29	34	5.459	2.1	0.076	1.3	1.919	2.4	0.183	2.1	0.86	1106	53	1083	42	1089	32	2.1	-0.6
Z_91500_18	39000	2968	4800	50000	289200	0.38	81	31	18	5.574	2.1	0.076	1.3	1.875	2.4	0.179	2.1	0.87	1078	53	1063	40	1070	32	1.4	-0.7
Z_91500_19	37480	2885	1900	47100	270100	0.35	79	30	7	5.453	1.9	0.077	1.3	1.925	2.3	0.183	1.9	0.85	1106	53	1088	37	1091	32	1.6	-0.3
Z_91500_20	38040	2873	1700	44800	274500	0.34	81	29	6	5.461	2.0	0.075	1.3	1.904	2.4	0.183	2.0	0.86	1069	55	1086	41	1084	33	-1.6	0.2
Z_91500_21	37900	2903	7900	51600	283700	0.34	80	31	30	5.708	2.0	0.076	1.4	1.837	2.4	0.175	2.0	0.86	1076	54	1040	39	1057	31	3.3	-1.6
Z_91500_22	36550	2768	6000	50300	270700	0.39	80	30	23	5.596	2.0	0.076	1.3	1.840	2.4	0.179	2.0	0.85	1087	52	1059	39	1060	30	2.6	-0.1
Z_91500_23	35950	2767	4400	49600	265500	0.38	80	30	17	5.612	2.0	0.075	1.4	1.848	2.4	0.178	2.0	0.85	1062	55	1057	39	1060	31	0.5	-0.3
Z_91500_24	38120	2921	3500	55100	285700	0.37	80	30	13	5.605	2.0	0.074	1.2	1.809	2.4	0.178	2.0	0.86	1044	51	1057	40	1049	32	-1.2	0.8
Z_91500_25	37620	2914	5700	56100	278800	0.39	80	31	22	5.593	2.0	0.076	1.4	1.862	2.4	0.179	2.0	0.84	1106	56	1060	39	1067	31	4.2	-0.7
Z_91500_26	38100	2871	200	50600	275100	0.36	80	29	1	5.525	2.0	0.075	1.4	1.844	2.4	0.181	2.0	0.83	1063	57	1072	39	1061	32	-0.8	1.0
Z_91500_27	35680	2737	4100	45100	271000	0.22	80	31	16	5.663	2.0	0.075	1.3	1.833	2.4	0.177	2.0	0.85	1066	52	1050	40	1055	31	1.5	-0.5
Z_91500_28	34240	2593	1900	49800	251700	0.31	80	34	8	5.634	2.1	0.075	1.3	1.829	2.4	0.178	2.1	0.88	1056	55	1052	41	1054	31	0.4	-0.2
Z_91500_29	33030	2519	400	37700	243300	0.27	80	25	2	5.621	2.0	0.076	1.3	1.858	2.4	0.178	2.0	0.83	1081	50	1055	39	1064	32	2.4	-0.8
Z_91500_30	65000	4990	7400	108900	468000	0.38	81	33	30	5.565	1.9	0.074	1.2	1.859	2.2	0.180	1.9	0.85	1051	50	1065	37	1065	30	-1.3	0.0
Z_91500_31	60900	4587	5200	100500	438000	0.39	79	30	21	5.504	2.0	0.074	1.2	1.867	2.3	0.182	2.0	0.86	1027	48	1076	39	1068	30	-4.8	0.7
Z_91500_32	59200	4440	2900	96400	433000	0.37	80	28	12	5.528	2.0	0.074	1.2	1.842	2.2	0.181	2.0	0.89	1035	48	1071	39	1059	29	-3.5	1.1
GJ1																										
Z_GJ1_0	121700	7380	-170	29900	1596000	0.04	249	11	N.D.	10.132	1.8	0.060	1.1	0.812	2.2	0.099	1.8	0.85	596	48	607	22	603	19	-1.9	0.7
Z_GJ1_1	125700	7680	-110	25300	1643000	0.03	248	10	N.D.	10.070	1.8	0.061	1.2	0.824	2.1	0.099	1.8	0.85	619	49	610	21	610	19	1.4	0.0
Z_GJ1_2	129100	7890	-70	25000	1699000	0.03	251	10	N.D.	10.040	1.8	0.060	1.1	0.830	2.1	0.100	1.8	0.86	614	48	612	21	614	19	0.3	-0.3
Z_GJ1_3	128700	7950	650	31200	1695000	0.04	248	13	2	10.062	1.8	0.061	1.1	0.828	2.1	0.099	1.8	0.86	624	47	611	21	612	19	2.1	-0.3
Z_GJ1_4	129400	7790	860	28800	1722000	0.03	458	17	3	10.187	1.8	0.060	1.2	0.806	2.2	0.098	1.8	0.82	586	49	604	21	600	19	-3.0	0.6
Z_GJ1_5	133000	8080	1300	28500	1762000	0.04	487	17	5	10.152	1.8	0.060	1.2	0.818	2.1	0.099	1.8	0.83	609	50	606	21	607	19	0.6	-0.2
Z_GJ1_6	125600	7700	5200	32600	1709000	0.03	418	23	21	10.384	1.8	0.061	1.2	0.805	2.2	0.096	1.8	0.84	628	51	593	21	600	20	5.6	-1.1
Z_GJ1_7	128900	7770	2700	26800	1761000	0.03	433	22	11	10.267	1.8	0.060	1.2	0.803	2.1	0.097	1.8	0.85	589	50	599	21	598	19	-1.7	0.2
Z_GJ1_8	129900	7850	2200	27700	1769000	0.03	436	26	9	10.267	1.8	0.060	1.2	0.802	2.1	0.097	1.8	0.87	588	51	599	21	599	20	-1.9	0.1
Z_GJ1_9	114500	6970	-100	20700	1594000	0.02	480	17	N.D.	10.460	1.9	0.060	1.2	0.796	2.1	0.096	1.9	0.88	609	51	588	21	594	19	3.4	-1.0
Z_GJ1_10	111200	6840	1700	16400	1548000	0.02	470	14	8	10.428	1.8	0.061	1.2	0.801	2.2	0.096	1.8	0.84	615	52	590	21	597	20	4.1	-1.1
Z_GJ1_11	116100	7140	-1500	26100	1622000	0.09	496	22	N.D.	10.515	1.8	0.060	1.3	0.785	2.2	0.095	1.8	0.85	600	55	586	20	590	20	2.4	-0.7
Z_GJ1_12	103300	6320	2400	24100	1495000	0.04	407	20	10	10.823	1.8	0.060	1.2	0.765	2.2	0.092	1.8	0.85	605	50	570	20	576	19	5.9	-1.2
Z_GJ1_13	103400	6340	0	26700	1449000	0.04	390	22	0	10.537	1.8	0.060	1.2	0.785	2.1	0.095	1.8	0.88	606	49	584	21	588	19	3.6	-0.6
Z_GJ1_14	108900	6670	1000	23500	1516000	0.04	404	19	4	10.431	1.8	0.060	1.2	0.794	2.1	0.096	1.8	0.85	614	51	590	20	593	19	3.9	-0.5
Z_GJ1_15	104500	6460	1800	39700	1385000	0.06	420	23	7	9.862	1.8	0.060	1.2	0.836	2.1	0.101	1.8	0.87	611	50	623	22	617	20	-1.9	0.9
Z_GJ1_16	105100	6340	-6400	30500	1381000	0.03	416	18	N.D.	9.775	1.9	0.059	1.2	0.830	2.2	0.102	1.9	0.86	586	51	628	22	614	20	-7.2	2.3
Z_GJ1_17	110800	6730	2700	43700	1439000	0.06	429	25	11	9.709	1.8	0.060	1.1	0.846	2.1	0.103	1.8	0.87	583	49	632	22	622	20	-8.4	1.5
Z_GJ1_18	113000	6760	600	37900	1482000	0.05	434	25	2	9.940	1.9	0.059	1.2	0.814	2.1	0.101	1.9	0.88	575	50	618	22	605	20	-7.5	2.1
Z_GJ1_19	116200	7040	4500	49200	1525000	0.06	443	34	17	9.891	1.8	0.060	1.1	0.826	2.1	0.101	1.8	0.86	591	49	621	22	611	20	-5.1	1.6
Z_GJ1_20	116000	7010	-2200	36400	1502000	0.06	434	26	N.D.	9.891	1.8	0.059	1.2	0.832	2.2	0.101	1.8	0.85	570	52	621	22	614	20	-8.9	1.1
Z_GJ1_21	110600	6680	7500	41400	1473000	0.07	454	25	28	10.152	1.8	0.060	1.2	0.815	2.1	0.099	1.8	0.85	612	52	606	21	606	19	1.0	0.0
Z_GJ1_22	108100	6630	6400	41800	1460000	0.06	458	25	24	10.320	1.9	0.060	1.2	0.807	2.2	0.097	1.9	0.86	607	51	596	21	601	20	1.8	-0.7
Z_GJ1_23	111200	6730	3800	41000	1459000	0.06	464	24	14	9.970	1.8	0.059	1.2	0.823	2.2	0.100	1.8	0.84	561	50	616	22	609	20	-9.9	1.2
Z_GJ1_24	110000	6590	3800	31600	1458000	0.04	429	18	15	10.204	1.8	0.059	1.2	0.805	2.2	0.098	1.8	0.84	574	54	604	22	600	20	-5.2	0.7
Z_GJ1_25	103000	6290	1800	38100	1360000	0.05	404	23	7	10.030	1.8	0.060	1.2	0.827	2.2	0.100	1.8	0.83	600	54	613	21	614	20	-2.1	-0.1
Z_GJ1_26	101900	6200	-600	27500	1359000	0.04	406	17	N.D.	10.142	1.9	0.059	1.2	0.809	2.1	0.099	1.9	0.89	583	53	606	21	602	19	-3.9	0.7
Z_GJ1_27	109700	6690	7800	35700	1416000	0.04	469	23	31	10.030	1.9	0.060	1.2	0.827	2.2	0.100	1.9	0.85	599	50	613	22	613	19	-2.3	0.0
Z_GJ1_28	109400	6550	3300	37500	1399000	0.03	452	23	13	9.881	1.9	0.059	1.2	0.828	2.2	0.101	1.9	0.86	567	50	621	22	612	20	-9.6	1.5
Z_GJ1_29	109800	6650	2400	31700	1460000	0.03	454	19	10	10.111	1.9	0.060	1.2	0.808	2.2	0.099	1.9	0.86	584	49	608	22	602	20	-4.0	0.9
Z_GJ1_30	109300	6670	-1800	34500	1442000	0.04	242	12	N.D.	10.225	1.8	0.060	1.2	0.816	2.1	0.098	1.8	0.86	589	52	601	21	606	19	-2.1	-0.7
Z_GJ1_31	112000	6670	4800	35500	1461000	0.04	244	11	19	10.081	1.9	0.059	1.3	0.821	2.1	0.099	1.9	0.87	558	53	611	22	608	20	-9.4	0.4
Z_GJ1_32	110100	6640	1700	39200	1444000	0.06	243	12	7	10.040	1.8	0.060	1.2	0.824	2.2	0.100	1.8	0.83	583	51	612	21	611	20	-5.0	0.2
Plesovice																										
Z_Plesovice_0	204600	11050	10300	481000	4900000	0.22	711	210	33	18.495	1.8	0.053	1.1	0.399	2.1	0.054	1.8	0.82	340	51	340	12	341	12	0.1	-0.4
Z_Plesovice_1	156300	8410	3500	286000	3770000	0.17	547	130	11	18.379	1.8	0.053	1.1	0.401	2.1	0.054	1.8	0.87	345	48	342	12	343	12	1.0	-0.4
Z_Plesovice_2	185000	9920	8000	376000	4420000	0.19	646	176	26	18.212	1.8	0.053	1.1	0.398	2.1	0.055	1.8	0.85	321	50	345	12	340	12	-7.4	1.4
Z_Plesovice_3	182300	9890	5700	353000	4330000	0.18	640	171	19	18.262	1.7	0.053	1.0	0.402	2.1	0.055	1.7	0.82	345	48	344	12	343	12	0.4	0.3
Z_Plesovice_4	186200	10140	5200	211800	4590000	0.10	1294	125	18	18.832	1.8	0.054	1.1	0.395	2.2	0.053	1.8	0.83	369	49	334	12	338	12	9.6	-1.4
Z_Plesovice_5	195900	10550	5300	207000	4760000	0.10	1354	122	18	18.420	1.7	0.053	1.0	0.396	2.1	0.054	1.7	0.82	335	47	341	12	339	12	-1.7	0.6
Z_Plesovice_6	176300	9460	4900	183000	4400000	0.10	1089	201	20	18.879	1.8	0.054	1.2	0.391	2.2	0.053	1.8	0.82	353	50	333	12	335	12	5.8	-0.6
Z_Plesovice_7	150300	8200	4600	142100	3848000	0.09	951	182	19	19.073	1.8	0.054	1.1	0.389	2.1	0.052	1.8	0.88	363	51	329	11	333	12	9.3	-1.2
Z_Plesovice_8	177400	9550	4200	176000	4370000	0.10	1080	277	17	18.671	1.8	0.053	1.1	0.394	2.2	0.054	1.8	0.82	341	52	336	12	337	12	1.4	-0.3
Z_Plesovice_9	163400	8820	1700	189000	4150000	0.12	1277	163	7	19.102	1.8	0.053	1.2	0.383	2.2	0.052	1.8	0.82	330	57	329	12	330	12	0.3	-0.2
Z_Plesovice_10	167000	8980	1600	171000	4170000	0.11	1286	149	7	18.619	1.8	0.053	1.1	0.391	2.0	0.054	1.8	0.86	324	51	337	12	335	12	-4.1	0.6
Z_Plesovice_11	167200	9010	900	188000	4200000	0.12	1302	164	4	18.972	1.8	0.054	1.1	0.390	2.0	0.053	1.8	0.88	354	50	331	12	335	12	6.5	-1.0
Z_Plesovice_12	142300	7570	7300	281000	3608000	0.22	952	236	30	19.095	1.8	0.053	1.1	0.382	2.1	0.052	1.8	0.87	329	54	329	12	329	13	0.0	-0.1
Z_Plesovice_13	134200	7320	5300	186000	3440000	0.14	899	156	22	18.975	1.8	0.053	1.1	0.386	2.1	0.053	1.8	0.87	339	50	331	12	331	12	2.3	0.0
Z_Plesovice_14	143600	7890	5500	259000	3623000	0.19	937	219	23	19.011	1.8	0.054	1.2	0.393	2.2	0.053	1.8	0.83	368	52	330	12	336	12	10.2	-1.7
Z_Plesovice_15	155700	8320	200	238000	3770000	0.16	1112	137	1	18.096	1.8	0.053	1.1	0.400	2.1	0.055	1.8	0.85	316	54	347	12	341	12	-9.7	1.6
Z_Plesovice_16	91000	4880	3900	187000	2157000	0.20	628	107	15	18.116	1.8	0.053	1.1	0.402	2.1	0.055	1.8	0.86	335	51	346	12	343	12	-3.4	1.0
Z_Plesovice_17	136400	7550	2200	195000	3340000	0.14	958	112	9	18.332	1.8	0.054	1.3	0.402	2.2	0.055	1.8	0.82	374	53	342	12	343	13	8.4	-0.1
Z_Plesovice_18	185600	10030	11000	460000	4670000	0.25	1338	330	41	19.001	1.8	0.053	1.1	0.386	2.1	0.053	1.8	0.87	334	49	331	12	331	12	1.0	-0.1
Z_Plesovice_19	151200	8130	4100	377000	3760000	0.25	1067	275	16	19.001	1.8	0.053	1.1	0.383	2.1	0.053	1.8	0.86	312	55	331	12	329	12	-6.0	0.4
Z_Plesovice_20	122500	6640	-1500	177000	3088000	0.14	868	131	N.D.	18.801	1.9	0.053	1.2	0.392	2.2	0.053	1.9	0.87	326	56	334	12	336	13	-2.5	-0.5
Z_Plesovice_21	139600	7660	6800	336000	3390000	0.23	1093	198	26	18.389	1.8	0.054	1.1	0.401	2.1	0.054	1.8	0.87	369	52	341	12	342	12	7.5	-0.3
Z_Plesovice_22	159000	8590	6600	296000	3799000	0.19	1237	174	25	18.238	1.8	0.053	1.2	0.404	2.1	0.055	1.8	0.87	341	54	344	12	344	12	-0.9	-0.1
Z_Plesovice_23	148300	8010	5200	261000	3610000	0.18	1182	153	19	18.474	1.8	0.053	1.1	0.398	2.1	0.054	1.8	0.87	344	53	340	12	340	12	1.2	-0.1
Z_Plesovice_24	143300	7800	3000	208000	3540000	0.13	1062	129	12	18.997	1.8	0.053	1.2	0.389	2.2	0.053	1.8	0.83	352	56	331	12	333	12	6.1	-0.8
Z_Plesovice_25	139900	7560	2400	196000	3363000	0.13	1009	123	9	18.349	1.8	0.053	1.1	0.399	2.1	0.055	1.8	0.86	332	54	342	12	341	12	-3.0	0.5
Z_Plesovice_26	142900	7680	2500	209000	3530000	0.13	1057	133	10	18.667	1.8	0.054	1.1	0.392	2.2	0.054	1.8	0.82	351	48	336	12	336	12	4.2	0.1
Z_Plesovice_27	84600	4709	1600	152000	2012000	0.14	587	85	6	18.488	1.8	0.054	1.2	0.406	2.2	0.054	1.8	0.83	371	55	340	12	347	13	8.5	-2.0
Z_Plesovice_28	173000	9340	5900	306000	4140000	0.14	1132	162	23	18.512	1.8	0.053	1.1	0.394	2.2	0.054	1.8	0.82	309	51	339	12	338	12	-9.7	0.4
Z_Plesovice_29	167700	9050	4400	302000	4110000	0.14	1044	151	18	18.793	1.8	0.053	1.0	0.388	2.1	0.053	1.8	0.86	307	48	334	12	333	12	-8.9	0.5
Z_Plesovice_30	146800	7860	-1100	232000	3619000	0.12	666	88	N.D.	19.055	1.8	0.053	1.1	0.386	2.1	0.052	1.8	0.87	333	53	330	12	332	12	1.0	-0.6
Z_Plesovice_31	104300	5670	2600	164000	2568000	0.12	452	60	11	19.059	1.8	0.054	1.1	0.393	2.2	0.052	1.8	0.84	353	53	330	12	337	12	6.6	-2.1
Z_Plesovice_32	94400	5040	-1600	131000	2340000	0.10	400	45	N.D.	19.117	1.8	0.052	1.2	0.379	2.2	0.052	1.8	0.81	291	57	329	12	326	12	-13.0	0.7

P = correlation coefficient