Electronic Appendix 3: Rock Glacier Inventory

Table as originally published in Sattler K, Anderson B, Mackintosh A, Norton K and de Róiste M (2016) Estimating Permafrost Distribution in the Maritime Southern Alps, New Zealand, Based on Climatic Conditions at Rock Glacier Sites. Frontiers in Earth Science 4:4. doi: 10.3389/feart.2016.00004.

RG ID	PF region	Activity	Type	RILA	Toe alt.	Aspect	MAAT	PISR snf	Long	Lat	PFmodel
1378	KR	a	T2	2349	2247	207	0.99	668.25	173.65180	-42.00416	0
1379	KR	a	T2	2520	2380	74	0.31	875.31	173.66297	-41.98723	0
1380	KR	a	T2	2486	2451	95	0.50	844.86	173.66736	-41.98162	0
2362	AP	r	T2	1654	1606	121	3.97	720.13	171.47175	-43.15166	1
2363	AP	a	PTR	2027	2020	175	2.15	729.68	171.41298	-43.11455	1
2364	AP	r	T2	1714	1644	205	4.01	716.47	171.62638	-43.27849	1
2365	AP	r	T1	1870	1849	145	3.29	717.51	171.64228	-43.24637	1
2366	AP	r	T2	1881	1784	129	3.25	693.21	171.63598	-43.22495	1
2367	AP	r	T2	1842	1742	194	3.30	648.94	171.64234	-43.21347	1
2368	AP	r	T2	1857	1693	108	3.31	784.76	171.64674	-43.20821	1
2369	AP	r	T2	1878	1840	221	3.11	732.29	171.60750	-43.18575	1
2370	AP	r	PTR	1739	1731	126	3.82	685.64	171.60047	-43.19283	1
2371	AP	r	PTR	1861	1852	122	3.26	696.38	171.61497	-43.18294	1
2372	AP	r	T2	1780	1769	123	3.65	699.40	171.62024	-43.17892	1
2373	AP	r	T2	1885	1815	235	3.14	698.72	171.64236	-43.17179	1
2374	AP	r	T2	1617	1522	153	4.56	598.58	171.62192	-43.18948	1
2375	AP	a	T1	1955	1942	251	2.18	669.15	171.44141	-43.03392	1
2376	AP	r	T2	1797	1705	151	3.31	681.08	171.56211	-43.13562	1
2377	AP	r	T2	1725	1660	127	3.61	692.54	171.58143	-43.10627	1
3330	HR	r	T2	1740	1682	110	3.69	721.05	171.42896	-43.38118	1
3331	HR	r	T2	1797	1700	150	3.23	629.24	171.42157	-43.39015	1
3332	HR	r	T2	1721	1618	138	3.67	685.45	171.42121	-43.39184	1
3333	HR	r	T1	1886	1867	152	2.95	617.60	171.40870	-43.41370	1
3334	HR	r	T2	1661	1620	134	4.12	626.81	171.42314	-43.41497	1
3335	HR	r	T2	1855	1807	147	3.08	686.18	171.40455	-43.42197	1
3336	HR	i	PTR	1865	1858	178	3.00	627.30	171.40350	-43.42745	0
3337	HR	i	T2	1933	1904	58	2.60	867.91	171.40022	-43.42510	0
3338	HR	r	T2	1796	1728	134	3.44	676.12	171.40050	-43.43322	1
3339	HR	r	T2	1856	1827	167	3.02	681.89	171.40078	-43.43115	1
3340	HR	r	T1	1750	1728	190	3.62	622.31	171.24356	-43.37961	1
3341	HR	r	T2	1869	1848	108	3.01	762.89	171.24042	-43.37451	1
3342	HR	a	T1	2061	2055	110	1.79	763.73	170.99566	-43.37529	1
3343	HR	r	T2	1948	1840	97	2.42	783.39	171.01626	-43.45793	1
3344	HR	r	T2	1787	1740	160	3.28	663.41	171.02389	-43.47241	1
3345	HR	r	T1	1917	1908	30	2.55	901.79	171.02358	-43.47724	1
3346	HR	r	T2	1828	1820	195	2.92	628.79	171.02627	-43.48303	1
3347	HR	r	T2	1857	1744	166	2.81	710.72	171.02120	-43.48120	1
3348	HR	r	T2	1893	1770	118	2.71	752.26	171.01705	-43.48848	1
3349	HR	r	T1	1879	1860	133	2.74	731.70	171.01986	-43.49591	1
3350	HR	i	T2	1920	1904	176	2.58	675.20	171.00873	-43.46405	0
3351	HR	r	T2	1921	1898	171	2.58	675.20	171.00866	-43.46405	0
3352	HR	r	T2	1906	1780	303	2.61	837.83	171.00749	-43.45842	1
3353	HR	r	T1	1680	1649	235	3.74	632.15	170.99860	-43.45578	1
3354	HR	r	T2	1841	1805	146	2.80	648.51	170.95006	-43.51227	1
3355	HR	r	T2	1752	1713	221	3.26	710.72	170.91639	-43.49831	1
3356	HR	i	T2	1824	1811	243	2.95	741.82	170.91864	-43.49830	0
3357	HR	i	PTR	1840	1826	177	2.95	618.10	170.91392	-43.48656	0
3358	HR	i	PTR	1860	1847	192	2.68	615.54	170.90302	-43.48719	0
3359	HR	r	T2	1659	1500	159	3.92	622.55	171.01924	-43.50292	1
3360	HR	r	T2	1838	1803	136	2.92	759.04	171.01943	-43.49811	1
3361	HR	i	T2	1815	1800	161	3.04	693.36	171.00544	-43.46888	0
3392	HR	r	T2	1875	1800	244	2.70	752.81	171.00589	-43.45532	1
3393	HR	r	T2	2025	1986	214	2.01	595.13	171.36049	-43.51614	1
4128	TT	a	T2	2221	2200	182	0.62	570.99	170.71864	-43.58133	1
4129	TT	a	T2	2068	1970	177	1.61	620.16	170.73031	-43.59897	1
4130	TT	i	T2	2224	2160	217	0.74	720.10	170.70861	-43.64564	0
4131	TT	r	T2	2094	1890	290	1.40	849.13	170.70351	-43.64709	0

Abbreviations

RG ID	Rock glacier ID
PF region	Permafrost investigation region (KR = Inland Kaikoura Range, AP = Arthur's Pass region, HR = Lake Heron region, TT = Two Thumb Range, LR = Liebig Range, BOR = Ben Ohau Range, BR = Barrier Range)
Activity	Rock glacier activity (a = active, i = inactive, r = relict)
Type	Rock glacier type (T1 = single-lobe talus-derived RG, T2 = multi-lobe talus-derived RG, M = moraine-derived RG, PTR = protalus RG)
RILA	Rock glacier initiation line altitude [m]
Toe alt.	Altitude at rock glacier front [m]
Aspect	Aspect of rock glacier body [°]
MAAT	Mean annual air temperature [°C]
PISR snf	Potential incoming solar radiation in snow-free months [kWh m^{-2}]
Long	Longitude [decdeg]
Lat	Latitude [decdeg]
PFmodel	Input to permafrost distribution model (1 = yes, 0 = no)

4132	TT	i	PTR	2098	2093	229	1.38	797.15	170.70364	-43.64645	0
4133	TT	i	T2	2074	2040	221	1.51	743.41	170.70292	-43.65066	0
4134	TT	i	PTR	2011	1995	164	1.86	661.91	170.69774	-43.66893	0
4135	TT	i	PTR	2044	2025	255	1.77	749.58	170.70565	-43.67162	0
4136	TT	a	T1	1911	1880	201	2.55	705.46	170.69345	-43.75414	1
4137	TT	i	PTR	1835	1830	180	2.92	675.11	170.69015	-43.75586	0
4138	TT	r	PTR	1761	1745	172	3.34	678.26	170.68367	-43.77286	1
4139	TT	r	T1	1800	1780	175	3.10	681.36	170.68726	-43.77047	1
4140	TT	i	T1	1922	1890	193	2.43	600.77	170.70019	-43.76261	0
4141	TT	r	T1	1904	1890	140	2.64	677.73	170.69754	-43.76407	1
4142	TT	i	T1	1924	1905	225	2.47	697.96	170.70773	-43.76689	0
4143	TT	i	T2	1936	1890	109	2.45	747.24	170.70145	-43.75868	0
4144	TT	i	T1	1907	1890	107	2.53	739.80	170.69618	-43.75133	0
4145	TT	r	T1	1897	1880	196	2.43	688.10	170.69703	-43.74032	1
4146	TT	r	T2	1529	1500	183	4.36	623.34	170.79667	-43.57248	1
4147	TT	a	T1	1914	1894	173	2.31	615.62	170.74045	-43.59343	1
4148	TT	r	T1	1619	1550	183	3.93	563.62	170.82109	-43.60606	1
4149	TT	a	T2	2000	1931	143	1.94	648.33	170.74102	-43.61538	1
4150	TT	a	T2	2105	2029	171	1.43	729.46	170.73033	-43.63210	1
4151	TT	a	T1	2191	2160	178	0.97	718.68	170.72165	-43.64219	1
4152	TT	a	T1	2191	2160	204	0.85	628.90	170.72328	-43.64253	1
4153	TT	i	T2	2208	2170	168	0.85	761.29	170.71460	-43.64496	0
4154	TT	a	T2	2181	2124	151	1.09	702.56	170.70916	-43.65072	1
4155	TT	a	T2	2212	2185	137	0.80	687.33	170.70970	-43.64957	1
4156	TT	i	PTR	2041	2033	55	1.76	854.22	170.71262	-43.65308	0
4157	TT	i	T1	2036	2012	144	1.71	653.38	170.70658	-43.66388	0
4158	TT	r	T2	1807	1756	155	2.96	628.12	170.72490	-43.67616	1
4159	TT	i	T2	1934	1780	175	2.33	639.68	170.71070	-43.67770	0
4160	TT	r	T2	1788	1760	216	2.99	687.46	170.71356	-43.68190	1
4161	TT	i	PTR	1899	1888	182	2.43	699.28	170.71511	-43.67926	0
4162	TT	r	T2	1846	1800	182	2.77	663.14	170.71614	-43.68057	1
4163	TT	i	T1	1930	1920	131	2.32	732.14	170.69707	-43.68693	0
4164	TT	r	T2	1961	1894	88	2.06	771.83	170.69477	-43.68860	1
4165	TT	r	T2	1916	1880	157	2.42	778.16	170.69151	-43.70969	1
4166	TT	r	T2	1936	1883	115	2.35	779.98	170.68749	-43.71239	1
4167	TT	r	T2	1680	1650	171	3.60	671.91	170.70460	-43.71505	1
4168	TT	i	T2	1913	1860	101	2.52	764.07	170.69660	-43.72615	0
4169	TT	r	T2	1860	1845	138	2.72	719.69	170.69883	-43.72571	0
4170	TT	i	T1	1868	1860	159	2.72	685.07	170.69962	-43.72531	0
4171	TT	r	T1	1942	1906	243	2.24	677.56	170.80838	-43.66914	1
4172	TT	r	T2	1735	1700	68	3.33	820.41	170.82198	-43.64966	1
4173	TT	r	PTR	1835	1824	85	2.72	787.81	170.81910	-43.64875	1
4174	TT	r	T2	1689	1672	155	3.53	558.30	170.82220	-43.65379	1
4175	TT	r	T2	1774	1696	150	3.01	700.43	170.81818	-43.65260	1
4176	TT	r	T2	1777	1740	148	3.08	677.92	170.81585	-43.65307	1
4177	TT	r	PTR	1620	1608	150	3.84	612.08	170.81946	-43.66044	1
4178	TT	r	T2	1650	1600	158	3.78	534.65	170.82407	-43.66921	1
4179	TT	r	PTR	1800	1784	179	3.00	610.72	170.82675	-43.68004	1
4180	TT	r	PTR	1738	1730	220	3.35	645.75	170.82922	-43.68174	1
4181	TT	r	T2	1891	1860	168	2.53	568.11	170.81458	-43.67973	1
4182	TT	r	PTR	1813	1800	216	2.88	585.05	170.82038	-43.68161	1
4183	TT	r	T1	1873	1820	145	2.54	733.48	170.81077	-43.68531	1
4184	TT	r	T2	1882	1860	54	2.57	853.42	170.80818	-43.69022	1
4185	TT	r	PTR	1851	1840	181	2.52	536.54	170.81263	-43.68851	1
4186	TT	r	T2	1732	1620	183	3.20	669.64	170.81021	-43.69378	1
4187	TT	r	T2	1871	1830	146	2.48	701.83	170.80380	-43.69100	1
4188	TT	r	PTR	1735	1720	176	3.28	590.81	170.80611	-43.69949	1
4189	TT	r	T2	1912	1875	136	2.41	687.20	170.79789	-43.70763	1
4190	TT	r	T2	1498	1400	214	4.48	534.88	170.80282	-43.71936	1
4191	TT	r	T2	1592	1548	192	3.97	649.00	170.80047	-43.71674	1
4192	TT	r	T2	1768	1742	200	3.11	584.19	170.79625	-43.71278	1
4193	TT	r	T2	1820	1780	120	2.85	723.41	170.79262	-43.73082	1
4194	TT	r	PTR	1806	1787	199	2.85	515.50	170.79617	-43.73128	1
4195	TT	r	T2	1762	1653	190	3.15	606.36	170.79017	-43.73263	1

4196	TT	r	T1	1854	1800	177	2.76	627.55	170.77951	-43.73216	1
4197	TT	r	PTR	1733	1720	230	3.32	664.62	170.78111	-43.73621	1
4198	TT	r	T1	1861	1832	106	2.72	775.32	170.77206	-43.73462	1
4199	TT	r	T1	1745	1718	86	3.27	760.94	170.77421	-43.73942	1
4200	TT	i	T2	1847	1820	141	2.82	726.03	170.76823	-43.73914	0
4201	TT	r	T1	1747	1720	190	3.35	677.25	170.77251	-43.74276	1
4202	TT	r	T1	1748	1700	218	3.09	518.42	170.76641	-43.74420	1
4203	TT	r	PTR	1729	1715	195	3.51	598.99	170.75286	-43.74870	1
4204	TT	r	T1	1875	1845	137	2.76	667.60	170.73810	-43.77166	1
4205	TT	i	T2	1910	1896	149	2.61	711.56	170.71475	-43.76501	0
4206	TT	i	T1	1941	1915	103	2.44	770.95	170.71104	-43.76677	0
4207	TT	r	T2	1814	1740	165	3.04	662.34	170.70914	-43.77609	1
4208	TT	r	T2	1834	1750	171	2.92	630.88	170.70609	-43.77620	1
4209	TT	r	T1	1827	1800	142	3.05	654.48	170.70354	-43.77759	1
4210	TT	r	T1	1841	1813	164	2.86	659.73	170.69996	-43.77990	1
4211	TT	r	T1	1869	1827	186	2.82	723.56	170.69490	-43.78383	1
4212	TT	r	T2	1721	1691	198	3.58	552.79	170.69319	-43.79381	1
4213	TT	r	T1	1900	1820	136	2.54	704.03	170.71116	-43.77116	1
4214	TT	r	T1	1741	1667	117	3.49	673.36	170.69422	-43.79166	1
4215	TT	a	T2	1897	1823	154	2.59	555.54	170.73728	-43.55475	1
4216	TT	r	T1	1928	1890	313	2.32	874.68	170.69941	-43.66453	1
4217	TT	r	T1	2025	2014	153	1.82	766.10	170.71734	-43.67618	1
4218	TT	r	T1	1816	1780	231	2.88	700.49	170.72254	-43.68204	1
4219	TT	r	T1	1938	1900	105	2.33	779.27	170.69436	-43.72837	1
4220	TT	r	T2	1769	1580	173	3.24	637.05	170.75908	-43.79078	1
4221	TT	r	PTR	1769	1740	230	3.23	650.25	170.75292	-43.79087	1
4222	TT	r	PTR	1901	1893	200	2.52	641.90	170.73801	-43.78242	1
4223	TT	r	T1	2018	1997	70	2.04	847.22	170.72507	-43.79271	1
4224	TT	r	T2	1753	1710	168	3.31	634.24	170.74989	-43.81244	1
4225	TT	i	PTR	1873	1863	175	2.78	672.44	170.74258	-43.80558	0
4226	TT	r	T2	1875	1742	181	2.76	643.18	170.74352	-43.80542	0
4227	TT	r	T2	1883	1840	164	2.79	704.09	170.73052	-43.80865	1
4228	TT	a	T2	2049	2015	139	1.99	726.04	170.72082	-43.80479	1
4229	TT	a	T1	2140	2118	178	1.47	542.91	170.72344	-43.80075	1
4230	TT	a	T2	2063	2020	213	1.73	668.11	170.72695	-43.80346	1
4231	TT	i	T1	2073	2055	98	1.84	797.72	170.71333	-43.80998	0
4232	TT	i	PTR	2080	2073	18	1.84	907.69	170.71424	-43.81269	0
4233	TT	a	T1	1994	1984	150	2.12	732.46	170.70470	-43.81788	1
4234	TT	r	T2	1997	1958	128	2.25	702.49	170.70520	-43.81752	0
4235	TT	a	T2	2080	2039	188	1.83	704.35	170.71478	-43.82103	1
4236	TT	a	T2	2020	1980	190	2.11	626.51	170.71215	-43.82200	1
4237	TT	i	PTR	1971	1954	197	2.40	568.04	170.71075	-43.82261	0
4238	TT	a	T1	2112	2076	243	1.63	722.15	170.71955	-43.82514	1
4239	TT	a	T2	2099	2026	205	1.67	736.86	170.72179	-43.83177	1
4240	TT	r	T2	2101	1964	236	1.58	698.20	170.72208	-43.83191	0
4241	TT	r	T2	1857	1822	257	2.92	746.62	170.71159	-43.83355	1
4242	TT	i	T2	2047	2000	268	1.92	767.89	170.71884	-43.84073	0
4243	TT	r	T2	2046	1960	298	1.92	839.59	170.71859	-43.84122	0
4244	TT	a	T2	2125	2096	164	1.59	701.60	170.71733	-43.85000	1
4245	TT	a	T2	1985	1964	157	2.34	652.84	170.72173	-43.85292	1
4246	TT	r	T2	1896	1795	200	2.73	658.88	170.72669	-43.85498	1
4247	TT	i	PTR	1910	1900	168	2.73	677.26	170.72507	-43.85445	0
4248	TT	r	T2	1854	1776	123	2.98	686.88	170.72060	-43.85924	1
4249	TT	r	T1	1991	1983	104	2.23	724.47	170.71953	-43.85503	1
4250	TT	i	T1	1935	1922	157	2.47	687.52	170.71439	-43.85682	0
4251	TT	r	T2	1838	1751	147	3.09	711.57	170.71281	-43.86041	1
4252	TT	i	T1	1961	1935	227	2.35	657.08	170.71747	-43.85725	0
4253	TT	r	T2	1935	1758	219	2.61	584.91	170.71819	-43.85821	1
4254	TT	r	T1	1660	1620	175	3.92	611.83	170.74470	-43.85251	1
4255	TT	r	T2	1780	1652	199	3.31	584.14	170.74182	-43.84975	1
4256	TT	r	T2	1873	1776	165	2.78	686.24	170.73389	-43.84631	1
4257	TT	i	PTR	1911	1905	119	2.61	735.55	170.73126	-43.84599	0
4258	TT	i	T2	2025	1987	134	2.01	668.83	170.72729	-43.84536	0
4259	TT	a	T2	2097	2060	135	1.69	741.91	170.72260	-43.84729	1

4260	TT	a	T1	2030	2023	98	2.03	784.88	170.72462	-43.84794	1
4261	TT	r	T2	1975	1924	75	2.34	825.74	170.72645	-43.85044	1
4262	TT	i	T1	1836	1830	173	2.90	607.80	170.74132	-43.84374	0
4263	TT	i	T1	2112	2100	11	1.55	927.17	170.72582	-43.84294	0
4264	TT	r	T2	2120	2083	357	1.55	917.75	170.72425	-43.84302	1
4265	TT	a	T2	2180	2160	148	1.35	638.60	170.72322	-43.84024	1
4266	TT	a	T1	2110	2078	177	1.73	520.26	170.72757	-43.83392	1
4267	TT	a	T1	2063	2040	174	1.76	628.44	170.72912	-43.83456	1
4268	TT	a	T2	1980	1959	194	2.23	664.13	170.73117	-43.82616	1
4269	TT	r	T2	1841	1805	231	2.95	616.56	170.74765	-43.83283	1
4270	TT	r	T2	1846	1780	211	2.93	666.00	170.74313	-43.83115	1
4271	TT	r	T2	1897	1775	126	2.73	732.66	170.74972	-43.82973	1
4272	TT	r	T2	1980	1893	250	2.18	752.54	170.77601	-43.82714	1
4273	TT	r	T1	1971	1944	287	2.35	798.33	170.77552	-43.82976	1
4274	TT	a	T2	2096	2010	232	1.69	759.71	170.77618	-43.83779	1
4275	TT	r	T2	1876	1780	243	2.77	770.20	170.76729	-43.84396	1
4276	TT	a	T1	2078	2072	145	1.69	739.60	170.77387	-43.83806	1
4277	TT	a	T1	2191	2152	251	1.08	733.70	170.78426	-43.84110	1
4278	TT	r	T2	2186	2040	233	1.08	727.38	170.78387	-43.84088	0
4279	TT	a	PTR	2196	2175	248	1.23	703.86	170.78457	-43.84291	1
4280	TT	r	T2	1822	1698	256	2.90	703.78	170.76583	-43.85718	1
4281	TT	r	T1	1706	1651	201	3.80	530.73	170.76967	-43.88708	1
4282	TT	r	T2	1743	1640	123	3.54	700.87	170.77141	-43.88381	1
4283	TT	i	T1	1999	1966	157	2.27	607.83	170.77538	-43.86998	0
4284	TT	i	T1	1855	1839	177	2.95	622.08	170.78038	-43.87212	0
4285	TT	a	T2	1991	1956	158	2.26	642.05	170.77755	-43.86291	1
4286	TT	r	T2	1988	1776	155	2.26	635.73	170.77734	-43.86293	0
4287	TT	i	PTR	1902	1903	192	2.61	599.71	170.78289	-43.86512	0
4288	TT	r	T2	1977	1875	89	2.25	791.37	170.77911	-43.85899	1
4289	TT	r	T2	1983	1947	160	2.36	653.39	170.78075	-43.85742	1
4290	TT	r	T2	1917	1829	127	2.59	738.12	170.78406	-43.85749	1
4291	TT	r	T2	1837	1656	138	2.95	694.93	170.78867	-43.85638	1
4292	TT	a	T2	1989	1922	152	2.33	616.75	170.78505	-43.84745	1
4293	TT	r	T2	1880	1798	181	2.63	601.89	170.79232	-43.84571	0
4294	TT	i	T2	1880	1848	184	2.62	597.59	170.79258	-43.84569	0
4295	TT	i	T2	1897	1835	161	2.52	629.23	170.79646	-43.83860	0
4296	TT	r	PTR	2051	2042	86	1.91	821.90	170.78476	-43.81892	1
4297	TT	r	T2	1822	1706	198	2.97	670.36	170.80878	-43.81675	1
4298	TT	r	T1	1768	1755	269	3.30	722.01	170.81308	-43.82117	1
4299	TT	i	T2	2006	1929	164	2.08	665.55	170.80679	-43.79302	0
4300	TT	a	T1	2083	2057	180	1.70	600.62	170.80258	-43.79215	1
4301	TT	i	T1	2080	2060	93	1.73	789.49	170.80705	-43.78758	0
4302	TT	i	PTR	2018	2000	204	1.86	625.53	170.81953	-43.77776	0
4303	TT	i	T2	2044	2017	180	1.75	679.43	170.81644	-43.77593	0
4304	TT	i	T1	1979	1979	155	2.09	790.00	170.82603	-43.76825	0
4305	TT	r	T1	1895	1879	128	2.58	732.62	170.83256	-43.76702	1
4306	TT	r	T1	1918	1887	125	2.60	634.69	170.68440	-43.83321	1
4307	TT	r	T2	1997	1940	101	2.22	794.80	170.67812	-43.83201	1
4308	TT	i	T1	2020	2005	72	2.17	817.18	170.67844	-43.83452	0
4309	TT	r	T2	1936	1863	168	2.55	748.86	170.67523	-43.83763	1
4310	TT	i	T2	1976	1940	81	2.32	809.89	170.66775	-43.84490	0
4311	TT	r	T2	1788	1707	156	3.42	589.13	170.68260	-43.85621	1
4312	TT	i	PTR	1966	1922	225	2.51	630.39	170.66955	-43.85427	0
4313	TT	r	T2	1882	1855	177	2.84	614.11	170.67859	-43.85556	1
4314	TT	i	T1	1906	1893	88	2.80	771.62	170.65655	-43.85758	0
4315	TT	r	T2	1897	1872	153	2.79	749.51	170.65735	-43.85683	1
4316	TT	r	T1	1880	1860	151	2.80	562.65	170.65658	-43.86191	1
4317	TT	i	T2	1871	1780	198	2.90	694.68	170.67779	-43.87300	0
4318	TT	i	T2	1817	1740	106	3.22	746.94	170.68336	-43.87354	0
4319	TT	r	PTR	1706	1700	105	3.72	740.60	170.68900	-43.87266	1
4320	TT	r	PTR	1730	1712	227	3.68	627.14	170.66893	-43.91072	1
4321	TT	i	PTR	1880	1869	182	2.95	561.70	170.66352	-43.90754	0
4322	TT	r	T2	1802	1741	125	3.39	684.70	170.68000	-43.93467	1
4323	TT	r	PTR	1771	1760	229	3.44	599.43	170.65364	-43.94112	1

4324	TT	r	T2	1873	1815	209	2.98	646.84	170.65237	-43.90565	1
4325	TT	i	T1	1886	1860	213	2.98	588.31	170.65409	-43.90635	0
4326	TT	r	PTR	1852	1846	51	3.20	830.25	170.62713	-43.91507	1
4327	TT	r	T2	1766	1720	144	3.54	707.24	170.62243	-43.92341	1
4328	TT	i	T2	1755	1740	216	3.71	631.41	170.64823	-43.93211	0
4329	TT	i	T1	1885	1880	188	2.97	659.70	170.65440	-43.92989	0
5094	LR	a	T1	1960	1940	153	2.74	600.03	170.28455	-43.79384	1
5095	LR	r	T2	1895	1840	269	2.86	792.61	170.28001	-43.77593	1
5096	LR	a	T1	2016	2000	248	2.38	759.18	170.28278	-43.77548	1
5097	LR	a	T2	2060	2020	236	2.06	719.85	170.28526	-43.76914	1
5098	LR	i	T2	2080	2031	155	2.20	617.79	170.29068	-43.81359	0
5099	LR	i	T2	2072	2000	180	2.27	709.73	170.29496	-43.83888	0
5100	LR	i	T2	2180	2130	186	1.59	639.79	170.30109	-43.83135	0
5101	LR	a	PTR	2106	2080	167	1.97	626.26	170.31069	-43.82616	1
5102	LR	r	T2	1841	1767	211	3.36	595.11	170.33316	-43.83001	1
5103	LR	r	T2	1925	1850	71	2.94	818.40	170.30218	-43.81631	1
5104	LR	r	T2	1951	1921	90	2.95	746.36	170.30171	-43.81481	1
5105	LR	r	T2	1868	1816	306	3.18	843.68	170.27513	-43.78237	1
5106	LR	a	T1	2039	2016	100	2.28	749.95	170.29027	-43.77356	1
5107	LR	i	T2	2108	2009	192	1.95	679.02	170.31151	-43.77995	0
5108	LR	a	T2	2100	2075	173	1.99	587.37	170.31408	-43.78262	1
5109	LR	a	T2	2121	2080	182	1.74	541.79	170.34790	-43.74778	1
5110	LR	i	T2	2095	2050	146	1.86	693.52	170.36174	-43.75010	0
5111	LR	i	T2	1894	1860	140	2.85	744.73	170.37430	-43.77459	0
5112	LR	a	T2	2160	2100	133	1.51	682.07	170.37120	-43.75015	1
5113	LR	i	T1	2010	1950	315	2.11	859.55	170.36226	-43.73991	0
5114	LR	i	T1	2118	2100	112	1.67	739.38	170.36023	-43.71664	0
5115	LR	r	T2	1743	1700	147	3.57	585.08	170.42491	-43.75212	1
5116	LR	r	PTR	1892	1873	90	2.92	810.40	170.43118	-43.78457	1
5117	LR	i	T2	2034	1996	135	2.10	742.40	170.44013	-43.76875	0
5118	LR	a	T2	2147	2100	178	1.55	716.21	170.44089	-43.70975	1
5119	LR	a	T2	2289	2245	175	0.76	672.77	170.43619	-43.69932	1
5120	LR	a	T2	2153	2055	154	1.45	682.93	170.44017	-43.70016	1
5121	LR	r	T2	1930	1890	266	2.43	756.77	170.46115	-43.72059	1
5122	LR	r	T2	1781	1700	169	3.39	610.91	170.49247	-43.79083	1
5123	LR	r	T2	1777	1690	144	3.39	693.52	170.49473	-43.78638	1
5124	LR	i	T2	2076	2015	156	2.03	648.01	170.35125	-43.74657	0
5125	LR	a	T2	2205	2166	247	1.27	779.39	170.30195	-43.75505	1
5126	LR	a	T1	2175	2146	302	1.38	873.98	170.29929	-43.75808	1
5381	LR	i	T2	2065	2019	299	1.72	826.16	170.35041	-43.61986	0
5382	LR	i	T2	2116	2040	248	1.46	675.93	170.35573	-43.61483	0
6001	BOR	i	T2	2030	2000	349	1.96	909.39	169.86978	-44.00154	0
6026	BOR	r	PTR	1596	1580	92	3.95	709.69	169.91747	-44.19484	1
6027	BOR	r	T2	1740	1720	133	3.15	712.16	169.92712	-44.18566	1
6028	BOR	r	T1	1832	1800	122	2.64	748.05	169.92620	-44.16842	1
6029	BOR	r	PTR	1896	1850	114	2.55	708.39	169.93648	-44.09343	1
6030	BOR	a	T2	1968	1920	220	2.18	616.20	169.95278	-44.08546	1
6031	BOR	a	T2	2036	1950	178	1.82	699.72	169.94371	-44.08251	1
6032	BOR	i	T2	1986	1880	150	2.15	654.23	169.95076	-44.07694	0
6033	BOR	r	T1	1761	1760	151	3.23	598.79	169.98053	-44.07599	1
6034	BOR	r	T1	1977	1920	102	2.25	795.38	169.98773	-44.06739	1
6035	BOR	a	T2	1983	1900	233	2.23	648.55	169.98238	-44.06784	1
6036	BOR	r	T2	1711	1680	117	3.46	736.18	169.99610	-44.07128	1
6037	BOR	r	T2	1533	1500	156	4.37	630.33	169.99130	-44.04000	1
6038	BOR	i	PTR	1844	1803	201	2.95	649.54	170.04300	-44.03615	0
6039	BOR	i	T2	1876	1840	169	2.76	673.04	169.99082	-44.02344	0
6040	BOR	a	T2	1904	1860	202	2.62	668.67	170.04644	-44.00814	1
6041	BOR	r	T2	1761	1650	245	3.39	678.47	170.08563	-44.00631	1
6042	BOR	a	T1	2041	2000	203	1.99	668.11	170.04523	-44.00567	1
6043	BOR	a	T2	1981	1925	212	2.24	624.44	170.06029	-43.99812	1
6044	BOR	a	T2	2056	2000	205	1.87	582.45	170.05685	-43.99567	1
6045	BOR	a	T2	2057	2010	222	1.91	722.76	170.05004	-43.98727	1
6046	BOR	a	T2	2113	2060	210	1.57	654.19	170.05517	-43.98860	1
6047	BOR	r	T2	2165	2150	48	1.31	871.18	170.05803	-43.98608	1

6048	BOR	r	T1	1780	1750	131	3.31	692.49	170.02401	-43.98338	1
6049	BOR	a	T2	2044	1960	148	1.96	609.89	170.06370	-43.98320	1
6050	BOR	i	T1	1984	1960	135	2.30	745.94	170.06777	-43.98385	0
6051	BOR	i	T1	1931	1920	146	2.56	712.71	170.02491	-43.97938	0
6052	BOR	a	T2	2216	2170	123	1.12	718.91	170.05511	-43.97781	1
6053	BOR	a	T2	2122	2070	206	1.69	607.28	170.04912	-43.98066	1
6054	BOR	r	T2	1799	1690	212	3.18	603.86	170.01813	-43.96813	1
6055	BOR	r	T2	1688	1560	153	3.43	671.63	169.92406	-44.18902	1
6056	BOR	r	T2	1688	1660	149	3.42	602.18	169.93316	-44.18155	1
6057	BOR	r	T2	1764	1720	118	3.04	721.15	169.92764	-44.17224	1
6058	BOR	r	T2	1627	1560	235	3.75	699.36	169.91871	-44.16928	1
6059	BOR	r	T2	1814	1720	157	2.84	718.22	169.92784	-44.16410	1
6060	BOR	r	T2	1762	1600	54	3.02	807.04	169.93021	-44.15835	1
6061	BOR	r	T2	1586	1420	148	4.00	630.45	169.95370	-44.14028	1
6062	BOR	r	T2	1600	1400	181	4.01	605.48	169.92373	-44.12675	1
6063	BOR	r	T2	1711	1600	96	3.41	761.84	169.96728	-44.11201	0
6064	BOR	r	T2	1631	1520	218	3.85	645.83	169.92599	-44.10091	1
6065	BOR	r	T2	1802	1750	132	2.97	655.90	169.93536	-44.10910	1
6066	BOR	r	T2	1727	1600	139	3.40	686.01	170.00841	-44.08876	1
6067	BOR	r	T2	1767	1670	186	3.19	606.43	169.97569	-44.02698	1
6068	BOR	a	T2	1945	1870	223	2.31	611.37	169.98421	-44.07249	1
6069	BOR	i	T1	1959	1950	184	2.10	675.45	169.95004	-44.08494	0
6070	BOR	r	T2	1786	1720	127	3.04	743.00	169.96478	-44.11627	1
6071	BOR	r	T2	1583	1530	146	4.00	630.45	169.95376	-44.14029	1
6072	BOR	r	T2	1774	1760	166	3.04	641.31	169.93030	-44.15763	1
6073	BOR	i	T1	2030	2000	125	1.96	664.62	169.98577	-44.06715	0
6074	BOR	r	T2	1899	1810	200	2.68	695.05	170.02999	-44.03843	1
6075	BOR	i	T1	1939	1900	176	2.45	617.32	170.03008	-44.03707	0
6076	BOR	r	T2	1773	1680	236	3.18	656.10	170.06287	-44.01995	1
6077	BOR	a	T2	2018	1970	150	2.12	586.95	170.05224	-43.99706	1
6078	BOR	i	T2	1981	1920	175	2.25	637.67	170.04397	-43.98797	0
6079	BOR	a	T1	2134	2100	156	1.56	696.70	170.03927	-43.96967	1
6080	BOR	a	M	1927	1850	54	2.58	799.92	170.02070	-43.95325	0
6081	BOR	a	T2	2187	2150	238	1.29	754.17	170.01205	-43.94572	1
6082	BOR	i	T2	2032	1970	245	1.98	718.78	170.04606	-43.98091	0
6083	BOR	i	T2	1883	1820	198	2.69	586.87	170.03293	-44.03966	0
6084	BOR	r	T2	1804	1560	160	3.10	591.11	170.03862	-44.03640	1
6085	BOR	r	PTR	1815	1800	150	3.20	670.87	170.07950	-44.00670	1
6086	BOR	r	T2	1723	1660	157	3.47	723.01	169.97036	-44.02839	1
6087	BOR	a	T2	2020	1930	179	1.96	663.68	169.94891	-44.07627	1
6088	BOR	r	T2	1827	1800	102	2.90	708.89	169.94043	-44.09239	1
6089	BOR	i	T2	1720	1709	96	3.41	754.11	169.96694	-44.11221	0
6090	BOR	r	T1	1700	1680	88	3.46	791.47	169.96210	-44.13267	1
6091	BOR	a	T2	1933	1890	190	2.55	604.72	170.01955	-43.96580	1
6092	BOR	r	T2	1948	1965	159	2.44	614.40	170.04391	-43.98891	1
6093	BOR	i	T2	1817	1757	113	3.04	654.64	170.03755	-44.03699	0
6384	BOR	a	M	2239	2136	283	0.87	835.72	169.88719	-43.98497	0
6385	BOR	a	M	2120	2032	248	1.43	782.39	169.88351	-43.98497	0
6386	BOR	a	M	1947	1979	336	2.28	744.74	169.87762	-43.98308	0
6387	BOR	r	T1	1653	1600	233	3.79	694.46	169.85162	-44.01385	1
6388	BOR	r	T2	1700	1627	194	3.61	607.23	169.85371	-44.01431	1
6389	BOR	a	T2	2168	2120	159	1.43	681.57	170.05951	-43.89045	1
6391	BOR	a	T2	2197	2155	148	1.41	684.76	170.05852	-43.88974	1
7002	BR	i	T2	2100	2029	30	1.29	860.30	169.65595	-44.25449	0
7003	BR	r	T2	1767	1740	199	2.92	622.13	169.67134	-44.26245	1
7004	BR	i	T2	1900	1868	170	2.28	563.39	169.64089	-44.28124	0
7005	BR	a	T2	2005	1930	185	1.77	666.97	169.71164	-44.16440	1
7010	BR	r	T2	1729	1713	139	3.20	627.41	169.77242	-44.22040	1
7011	BR	r	T1	1707	1686	191	3.33	694.48	169.74848	-44.23783	1
7012	BR	r	T2	1719	1651	121	3.18	668.25	169.75501	-44.26522	1
7013	BR	r	T2	1791	1752	198	2.90	653.87	169.74582	-44.27464	1
7014	BR	r	T2	1787	1762	122	2.90	661.71	169.74105	-44.27758	1
7015	BR	r	T2	1798	1773	101	2.78	789.18	169.73457	-44.27991	1
7016	BR	r	T2	1756	1724	110	2.97	719.89	169.72005	-44.29330	1

7017	BR	r	T2	1486	1387	155	4.36	622.34	169.71183	-44.35701	1
7018	BR	r	T2	1671	1584	150	3.33	683.89	169.72853	-44.33983	1
7019	BR	r	T2	1421	1380	131	4.66	589.18	169.73768	-44.34157	1
7020	BR	r	T2	1606	1563	181	3.82	572.09	169.73539	-44.33020	1
7021	BR	r	T2	1651	1579	134	3.48	659.76	169.78192	-44.29898	1
7022	BR	r	T2	1714	1681	139	3.21	636.67	169.77719	-44.30338	1
7023	BR	r	T2	1704	1658	140	3.32	658.99	169.77567	-44.31010	1
7024	BR	r	T2	1689	1615	111	3.37	733.65	169.77540	-44.31101	1
7025	BR	r	T2	1743	1726	130	3.04	713.18	169.77367	-44.31721	1