

TABLE S17: RORA MED (CA) LA-ICPMS U-Pb ZIRCON GEOCHRONOLOGY

Zircon #	Composition													Ages				1σ	% Disc.
	U (ppm)	206Pb/204Pb	U/Th	206Pb/207Pb	1σ (%)	207Pb/235U	1σ (%)	206Pb/238U	1σ (%)	Error Corr.	206Pb/238U	1σ (Ma)	207Pb/235U	1σ (Ma)	206Pb/207Pb				
Run 1 (Sept 2021)																			
Spot 2	48	10963.2	0.776	4.2	1.2	20.1	2.4	0.6	2.06	0.86866	3029.2	49.7	3096.0	22.9	3139.6	19	3.5		
Spot 3	295	47780.6	1.383	7.8	1.0	7.0	1.6	0.4	1.28	0.78575	2125.9	23.2	2108.7	14.5	2091.9	18	-1.6		
Spot 4	136	32009.2	1.869	7.3	0.8	8.1	1.3	0.4	1.08	0.80459	2259.7	20.5	2237.2	12.1	2216.6	14	-1.9		
Spot 5	157	12228.3	2.097	7.3	0.9	7.4	1.7	0.4	1.47	0.86187	2119.3	26.5	2159.6	15.2	2198.1	15	3.6		
Spot 6	129	6920.9	2.178	5.5	0.8	13.1	1.4	0.5	1.14	0.82069	2682.0	25.0	2685.4	13.1	2687.9	13	0.2		
Spot 7	106	10770.0	2.438	5.4	0.7	13.2	1.5	0.5	1.30	0.87628	2668.0	28.3	2694.8	14.0	2714.9	12	1.7		
Spot 8	79	7498.6	4.468	7.5	1.0	7.1	2.1	0.4	1.72	0.81560	2119.6	31.0	2128.0	18.7	2136.1	21	0.8		
Spot 10	166	20259.1	2.807	7.5	0.7	7.6	1.3	0.4	1.08	0.84288	2202.3	20.2	2183.2	11.5	2165.2	12	-1.7		
Spot 11	144	32526.0	1.186	7.7	0.8	6.9	1.4	0.4	1.17	0.83681	2082.4	20.8	2099.0	12.4	2115.2	13	1.5		
Spot 12	49	8342.3	1.496	7.7	1.2	6.7	2.0	0.4	1.47	0.75214	2019.6	25.5	2066.3	17.3	2113.2	23	4.4		
Spot 13	281	38743.0	2.089	5.5	0.8	13.6	1.5	0.5	1.27	0.84060	2741.8	28.3	2722.7	14.3	2708.6	13	-1.2		
Spot 15	337	50228.3	3.093	5.0	0.8	16.1	1.6	0.6	1.32	0.84284	2911.4	30.9	2882.5	15.0	2862.4	14	-1.7		
Spot 16	237	28606.7	2.260	5.5	0.7	13.5	1.1	0.5	0.89	0.79362	2735.3	19.8	2713.4	10.6	2697.1	11	-1.4		
Spot 17	196	19070.5	1.073	5.3	0.7	12.9	2.9	0.5	2.79	0.96669	2573.6	59.3	2669.3	27.2	2742.6	12	6.2		
Spot 18	47	8742.2	2.524	7.1	1.1	7.3	1.7	0.4	1.24	0.73130	2052.7	21.9	2149.1	15.2	2242.5	20	8.5		
Spot 19	178	751003.6	1.015	5.7	0.9	12.7	1.7	0.5	1.40	0.84560	2662.2	30.6	2656.5	15.6	2652.2	15	-0.4		
Spot 20	172	35814.9	2.117	5.5	0.9	13.2	1.5	0.5	1.17	0.79205	2694.1	25.8	2694.0	14.0	2693.8	15	0.0		
Spot 22	74	29215.3	0.967	7.5	1.2	7.0	1.6	0.4	1.08	0.66779	2045.2	18.8	2105.6	14.3	2165.1	21	5.5		
Spot 23	140	23762.5	1.053	7.5	0.7	7.4	1.5	0.4	1.26	0.85792	2158.4	23.1	2163.5	13.1	2168.3	13	0.5		
Spot 24	257	3216820.0	1.911	3.6	0.6	27.8	1.2	0.7	1.08	0.86943	3469.8	29.1	3412.0	12.2	3378.3	10	-2.7		
Spot 25	98	98864.6	2.219	7.5	0.8	7.2	1.2	0.4	0.83	0.71761	2085.1	14.8	2134.7	10.3	2182.9	14	4.5		
Spot 27	38	1226.6	3.123	7.5	1.4	6.3	3.4	0.4	3.07	0.90532	1997.6	52.8	2014.5	29.8	2031.8	26	1.7		
Spot 28	179	30154.8	2.547	7.5	1.0	7.2	2.0	0.4	1.78	0.86954	2104.2	32.0	2136.8	18.3	2168.4	18	3.0		
Spot 29	73	10708.8	1.959	7.2	0.9	7.5	1.5	0.4	1.22	0.81247	2110.6	22.0	2168.0	13.5	2222.8	15	5.0		
Spot 31	205	13771.8	2.463	5.4	0.8	13.6	1.4	0.5	1.16	0.83417	2731.4	25.8	2723.1	13.2	2717.0	13	-0.5		
Spot 32	377	105000.8	4.005	7.7	0.8	7.0	1.2	0.4	0.95	0.76608	2105.5	17.1	2115.2	11.1	2124.7	14	0.9		
Spot 33	209	18718.3	1.480	7.8	0.9	6.8	1.5	0.4	1.18	0.80567	2064.3	20.8	2085.3	13.0	2106.2	15	2.0		
Spot 34	218	52580.1	2.192	5.5	0.8	13.8	1.4	0.5	1.09	0.79727	2804.3	24.8	2738.4	12.9	2690.2	14	-4.2		
Spot 35	177	20877.0	2.738	5.5	0.9	13.0	1.5	0.5	1.21	0.81058	2649.2	26.3	2679.1	14.1	2701.7	14	1.9		
Spot 36	55	8711.3	1.887	5.5	1.4	12.3	5.9	0.5	5.69	0.97075	2560.5	120.1	2627.8	55.0	2680.0	23	4.5		
Spot 37	291	42925.7	2.022	5.5	0.9	13.5	1.5	0.5	1.20	0.79714	2738.0	26.8	2712.2	14.2	2693.0	15	-1.7		
Spot 38	383	114434.3	2.379	5.6	1.0	13.3	1.6	0.5	1.25	0.79380	2741.0	27.8	2697.9	14.8	2665.8	16	-2.8		
Spot 39	52	7776.3	1.504	6.9	1.7	8.1	2.3	0.4	1.56	0.67055	2180.3	28.9	2241.1	21.0	2297.2	30	5.1		
Spot 40	165	31830.8	1.463	7.7	1.0	7.2	1.9	0.4	1.60	0.85371	2142.6	29.1	2131.1	16.7	2119.9	17	-1.1		
Spot 41	322	139053.8	2.065	5.7	0.8	12.9	1.3	0.5	1.05	0.77733	2725.5	23.3	2674.4	12.7	2636.0	14	-3.4		
Spot 42	135	82919.1	1.029	7.7	0.9	7.2	1.5	0.4	1.23	0.81105	2141.0	22.5	2132.5	13.6	2124.4	16	-0.8		
Spot 43	208	32431.9	1.766	8.7	1.0	5.5	1.7	0.3	1.36	0.80651	1909.9	22.4	1901.4	14.4	1892.1	18	-0.9		
Spot 44	148	11309.9	1.401	8.2	1.0	6.1	1.5	0.4	1.15	0.75291	1966.3	19.5	1984.0	13.3	2002.5	18	1.8		
Spot 45	110	13167.7	2.761	6.9	1.0	8.6	1.8	0.4	1.45	0.81993	2272.9	27.8	2293.1	16.1	2311.1	17	1.7		
Spot 46	358	87070.6	1.696	4.1	0.6	22.2	1.5	0.7	1.40	0.90990	3242.7	35.8	3193.8	15.0	3163.3	10	-2.5		

Spot 47	162	148967.1	5.413	7.1	0.7	8.4	1.5	0.4	1.28	0.87520	2304.7	24.8	2279.0	13.3	2256.0	12	-2.2
Spot 48	132	39025.1	2.166	7.7	0.9	7.0	1.8	0.4	1.53	0.85944	2104.7	27.6	2107.8	15.9	2110.8	16	0.3
Spot 49	24	6402.5	0.713	7.1	1.4	7.6	2.9	0.4	2.42	0.83784	2130.4	44.0	2189.7	26.0	2245.6	27	5.1
Spot 50	56	21585.7	2.547	4.7	1.1	16.7	2.0	0.6	1.73	0.84849	2860.4	39.9	2916.0	19.5	2954.7	17	3.2
Spot 51	162	26079.9	1.098	7.5	0.8	7.3	1.4	0.4	1.17	0.83418	2132.6	21.3	2148.0	12.6	2162.7	14	1.4
Spot 52	177	88757.4	1.052	8.3	0.9	6.2	1.3	0.4	1.03	0.76749	2009.2	17.7	2000.4	11.7	1991.4	15	-0.9
Spot 53	144	56919.7	2.397	7.4	1.1	7.5	1.8	0.4	1.49	0.81708	2151.3	27.2	2171.3	16.3	2190.1	18	1.8
Spot 54	139	18529.7	2.691	7.6	0.7	7.2	1.3	0.4	1.08	0.83789	2129.5	19.6	2138.8	11.5	2147.7	12	0.8
Spot 55	182	39805.9	2.321	5.6	0.9	13.6	1.5	0.5	1.20	0.81428	2788.2	27.2	2719.3	14.0	2668.5	14	-4.5
Spot 56	263	189936.0	1.246	8.6	0.9	5.5	1.6	0.3	1.40	0.84854	1878.7	22.8	1901.0	14.2	1925.5	16	2.4
Spot 57	181	50831.2	2.060	8.2	1.1	6.2	1.7	0.4	1.26	0.75295	2001.9	21.6	2003.5	14.6	2005.1	20	0.2
Spot 58	36	5721.4	1.178	7.5	1.8	7.4	2.6	0.4	1.81	0.70862	2204.1	33.8	2165.3	22.9	2128.6	32	-3.5
Spot 59	152	63685.8	1.055	5.0	0.8	16.1	1.3	0.6	1.08	0.81502	2932.1	25.6	2879.9	12.7	2843.6	13	-3.1
Spot 60	71	18423.6	1.654	7.1	1.5	7.6	2.3	0.4	1.82	0.78036	2108.0	32.8	2181.4	20.9	2251.0	25	6.4
Spot 61	195	729974.6	2.709	7.6	1.0	7.4	1.5	0.4	1.16	0.76079	2163.7	21.4	2158.2	13.7	2152.9	17	-0.5
Spot 62	179	48205.7	2.595	5.5	0.6	13.5	1.5	0.5	1.31	0.90228	2756.1	29.5	2716.2	13.8	2686.6	10	-2.6
Spot 63	132	8102.3	0.975	5.4	0.9	13.5	1.4	0.5	1.13	0.79608	2723.7	25.2	2713.2	13.5	2705.4	14	-0.7
Spot 64	214	23953.0	2.042	5.5	0.7	13.9	1.5	0.5	1.29	0.87058	2804.7	29.3	2745.0	14.0	2701.4	12	-3.8
Spot 65	194	10253.7	1.467	8.9	1.4	5.4	2.4	0.3	1.95	0.81109	1924.3	32.4	1889.9	20.6	1852.4	25	-3.9
Spot 66	56	27483.7	2.225	6.3	1.3	10.2	2.1	0.5	1.74	0.80759	2452.9	35.4	2453.6	19.9	2454.2	21	0.1
Spot 68	312	36367.6	1.234	7.4	0.9	7.7	1.8	0.4	1.62	0.87913	2205.5	30.2	2195.8	16.5	2186.6	15	-0.9
Spot 69	36	5020.6	1.036	5.4	1.4	12.9	2.2	0.5	1.73	0.77149	2623.2	37.2	2674.9	21.1	2714.2	23	3.4
Spot 70	140	32692.7	1.354	7.3	0.9	7.8	1.5	0.4	1.24	0.81664	2206.0	23.3	2207.9	13.7	2209.7	15	0.2
Spot 71	83	10025.0	2.920	8.7	1.2	5.4	1.6	0.3	1.09	0.67319	1880.9	17.8	1889.5	13.9	1899.0	22	1.0
Spot 72	291	35220.2	1.953	5.6	0.9	13.0	1.5	0.5	1.24	0.80439	2712.3	27.4	2678.3	14.5	2652.8	15	-2.2
Spot 73	77	11503.9	2.564	7.4	0.9	7.3	1.7	0.4	1.38	0.81734	2127.5	25.0	2150.2	15.1	2172.0	17	2.0
Spot 74	119	40951.9	0.916	5.4	0.8	13.6	1.6	0.5	1.35	0.85996	2711.8	29.9	2720.2	14.9	2726.5	13	0.5
Spot 75	172	113508.7	3.865	6.0	0.7	11.8	1.4	0.5	1.14	0.83603	2626.3	24.6	2591.4	12.8	2564.3	13	-2.4
Spot 76	297	58388.7	5.274	5.2	0.8	15.2	1.4	0.6	1.17	0.81678	2897.8	27.3	2829.5	13.7	2781.2	14	-4.2
Spot 77	132	12687.0	2.239	7.5	1.1	7.4	1.8	0.4	1.42	0.78045	2170.0	26.1	2161.3	16.2	2153.1	20	-0.8
Spot 78	119	7993.6	4.399	7.7	0.9	6.9	2.0	0.4	1.74	0.88950	2100.7	31.2	2099.2	17.4	2097.7	16	-0.1
Spot 79	213	137337.4	3.409	5.6	1.1	13.2	1.7	0.5	1.37	0.79019	2758.7	30.8	2697.2	16.4	2651.4	18	-4.0
Spot 80	59	15834.6	2.499	7.3	1.2	7.5	1.9	0.4	1.52	0.79621	2134.9	27.7	2173.4	17.2	2210.0	20	3.4
Spot 81	91	17111.8	2.566	7.7	0.9	7.1	1.7	0.4	1.39	0.84123	2133.7	25.3	2122.0	14.7	2110.8	16	-1.1
Spot 82	108	22187.6	2.239	7.8	0.9	6.9	1.7	0.4	1.52	0.86992	2103.1	27.3	2102.3	15.5	2101.5	15	-0.1
Spot 83	151	22920.2	1.832	7.5	0.9	7.2	2.5	0.4	2.32	0.93639	2114.1	41.8	2137.1	22.1	2159.2	15	2.1
Spot 84	87	23520.3	2.254	7.2	0.7	7.8	1.4	0.4	1.20	0.86954	2189.7	22.2	2210.1	12.4	2229.1	12	1.8
Spot 85	263	18819.7	1.299	8.7	1.0	5.4	2.5	0.3	2.26	0.91311	1860.2	36.5	1878.3	21.2	1898.5	18	2.0
Spot 86	117	23349.4	1.436	7.4	1.0	7.7	1.8	0.4	1.53	0.84373	2217.5	28.6	2200.4	16.3	2184.5	17	-1.5
Spot 87	69	12155.5	1.875	5.3	1.2	12.8	2.8	0.5	2.48	0.89210	2557.4	52.4	2665.8	26.2	2749.1	21	7.0
Spot 88	88	110469.0	2.741	7.3	0.8	7.1	2.8	0.4	2.70	0.95761	2040.2	47.2	2129.8	25.1	2217.4	14	8.0
Spot 89	259	32204.5	1.568	7.5	1.1	7.4	1.7	0.4	1.27	0.76484	2148.9	23.2	2156.2	14.9	2163.0	19	0.7
Spot 90	143	271135.4	2.098	7.7	0.8	7.0	1.3	0.4	1.05	0.79587	2119.0	18.9	2114.5	11.7	2110.2	14	-0.4

Spot 91	154	21546.8	2.076	5.5	0.9	13.2	1.9	0.5	1.65	0.87813	2688.8	36.3	2695.9	17.8	2701.3	15	0.5
Spot 92	126	13674.7	1.951	7.5	1.0	7.1	1.9	0.4	1.65	0.86075	2101.6	29.6	2126.5	17.0	2150.7	17	2.3
Spot 93	128	1734243.2	1.488	8.2	1.0	6.2	1.6	0.4	1.33	0.80520	2003.8	22.9	2009.6	14.4	2015.5	17	0.6
Spot 94	138	25366.2	1.425	7.0	0.7	8.4	1.9	0.4	1.77	0.92701	2257.1	33.7	2273.4	17.3	2288.0	12	1.4
Spot 95	248	17396.0	2.061	5.5	0.7	13.4	1.7	0.5	1.53	0.91650	2727.4	34.0	2709.3	15.8	2695.9	11	-1.2
Spot 96	101	23188.2	2.968	7.9	3.3	6.8	5.1	0.4	3.93	0.76605	2098.1	70.5	2084.1	45.5	2070.3	58	-1.3
Spot 97	162	9474.5	1.378	8.6	0.8	5.6	1.5	0.4	1.24	0.83211	1941.5	20.7	1923.1	12.8	1903.3	15	-2.0
Spot 98	118	56818.3	1.459	7.5	0.9	7.5	1.6	0.4	1.32	0.83665	2166.8	24.3	2169.1	14.1	2171.3	15	0.2
Spot 99	47	4334.4	1.550	6.7	1.1	8.7	1.6	0.4	1.13	0.70598	2275.4	21.7	2302.2	14.6	2326.1	19	2.2
Spot 100	162	13649.6	2.516	5.5	0.8	13.1	1.3	0.5	0.98	0.76527	2687.5	21.6	2684.8	12.1	2682.8	14	-0.2
Spot 101	194	20187.0	2.257	6.9	1.0	7.3	4.0	0.4	3.87	0.96706	1988.2	66.1	2145.6	35.7	2299.9	17	13.6
Spot 102	159	19898.0	1.220	7.5	0.8	7.3	1.5	0.4	1.28	0.83550	2134.5	23.2	2144.5	13.7	2154.0	15	0.9
Spot 103	194	919824.4	2.909	7.4	0.8	7.7	1.4	0.4	1.10	0.79178	2207.6	20.5	2194.4	12.5	2182.0	15	-1.2
Spot 104	345	50976.4	1.251	4.7	0.8	16.2	1.6	0.5	1.42	0.88189	2782.8	32.0	2890.7	15.4	2966.8	12	6.2
Spot 105	183	44527.7	3.101	7.5	0.8	7.3	1.2	0.4	0.87	0.72457	2135.4	15.7	2147.5	10.7	2159.1	14	1.1
Spot 106	144	36558.4	3.288	7.4	0.8	7.3	1.5	0.4	1.21	0.82412	2103.1	21.8	2145.9	13.1	2187.1	15	3.8
Spot 107	244	67672.6	2.031	5.5	0.7	13.3	1.6	0.5	1.39	0.88036	2711.7	30.8	2698.0	14.9	2687.8	12	-0.9
Spot 108	77	18597.5	2.827	7.5	1.0	7.0	1.7	0.4	1.41	0.80801	2072.1	25.0	2117.0	15.5	2160.8	18	4.1
Spot 109	155	42765.1	3.703	7.6	0.8	7.1	1.8	0.4	1.60	0.89904	2101.2	28.8	2126.2	15.9	2150.4	14	2.3
Spot 110	108	8292.9	2.039	7.4	0.8	7.1	1.5	0.4	1.22	0.80066	2066.7	21.5	2119.2	13.5	2170.6	16	4.8
Spot 111	98	143543.0	2.845	7.6	0.9	7.1	1.8	0.4	1.51	0.85104	2098.3	27.1	2119.2	15.8	2139.5	16	1.9
Spot 112	290	36731.7	2.097	5.5	0.8	13.2	1.7	0.5	1.55	0.88922	2675.7	33.9	2691.6	16.4	2703.5	13	1.0
Spot 113	174	78526.7	1.950	5.6	3.2	13.2	4.7	0.5	3.43	0.72754	2745.5	76.7	2693.6	44.5	2654.8	54	-3.4
Spot 114	285	39759.0	1.488	7.7	0.7	6.9	1.4	0.4	1.16	0.84744	2075.2	20.5	2094.9	12.1	2114.3	13	1.9
Spot 115	75	4683.1	2.926	7.7	1.4	5.4	4.0	0.3	3.76	0.93452	1721.9	56.8	1892.7	34.5	2085.6	25	17.4
Spot 116	90	8951.5	0.929	7.7	0.9	7.0	1.9	0.4	1.65	0.86742	2131.6	30.0	2116.2	17.0	2101.3	17	-1.4
Spot 117	124	37655.7	2.412	5.1	0.9	14.2	1.3	0.5	0.87	0.69270	2702.5	19.3	2760.6	11.9	2803.4	15	3.6
Spot 118	290	40991.7	1.934	5.5	1.1	13.5	1.7	0.5	1.35	0.78905	2724.1	30.0	2711.8	16.2	2702.7	17	-0.8
Spot 119	377	106054.5	4.351	7.6	0.9	7.2	1.6	0.4	1.35	0.83835	2121.4	24.4	2132.3	14.4	2142.8	15	1.0
Spot 120	107	31407.9	1.108	8.2	1.3	6.0	1.9	0.4	1.40	0.73874	1936.2	23.4	1969.6	16.5	2004.9	23	3.4
Spot 121	154	16123.7	2.405	7.5	0.8	7.5	1.3	0.4	1.06	0.79014	2180.1	19.7	2175.5	12.1	2171.1	14	-0.4
Spot 122	74	29017.4	0.743	7.2	0.9	7.7	1.7	0.4	1.42	0.83371	2158.0	26.1	2196.4	15.3	2232.4	16	3.3
Spot 123	212	48119.8	2.596	5.6	0.8	13.2	1.5	0.5	1.29	0.86324	2711.8	28.6	2692.6	14.1	2678.2	12	-1.3
Spot 125	168	1050881.9	1.150	7.6	1.1	7.1	1.6	0.4	1.17	0.72876	2113.2	21.1	2129.8	14.3	2145.8	19	1.5
Spot 126	72	9139.9	1.236	5.1	0.8	14.2	1.6	0.5	1.33	0.85975	2709.6	29.5	2764.0	14.7	2804.0	13	3.4
Spot 127	149	18659.7	0.807	7.4	0.8	7.4	1.4	0.4	1.15	0.80406	2126.7	20.8	2158.3	12.8	2188.5	15	2.8
Spot 128	177	17541.1	1.656	7.5	0.7	7.6	1.3	0.4	1.04	0.81581	2204.1	19.5	2184.6	11.5	2166.2	13	-1.7
Spot 129	76	8203.8	2.343	7.2	1.1	7.6	1.9	0.4	1.61	0.82598	2144.4	29.3	2184.1	17.4	2221.5	19	3.5
Spot 130	225	35676.0	2.509	7.7	0.9	7.0	1.5	0.4	1.24	0.81060	2092.8	22.2	2112.8	13.6	2132.4	16	1.9
Spot 131	170	96981.8	1.155	7.3	0.7	7.6	2.2	0.4	2.06	0.95369	2139.5	37.5	2187.2	19.4	2232.2	11	4.2
Spot 132	255	33768.1	2.492	5.4	0.7	12.6	2.3	0.5	2.20	0.94874	2554.4	46.5	2647.9	21.9	2720.0	12	6.1
Spot 133	92	17726.3	1.303	7.8	1.0	6.6	1.9	0.4	1.69	0.86625	2021.5	29.2	2060.2	17.2	2099.2	17	3.7
Spot 134	160	122849.2	2.348	5.5	0.9	13.3	1.7	0.5	1.45	0.84851	2695.5	32.0	2699.1	16.1	2701.8	15	0.2

Spot 135	180	36238.3	0.871	8.0	0.9	6.5	1.6	0.4	1.32	0.83068	2025.0	22.9	2041.7	14.0	2058.6	16	1.6
Spot 136	87	39790.8	1.083	7.6	1.0	6.7	2.7	0.4	2.55	0.93411	2012.7	44.0	2078.0	24.1	2143.3	17	6.1
Spot 137	152	18598.8	2.039	7.6	0.7	7.1	1.3	0.4	1.16	0.86129	2113.6	20.9	2128.3	12.0	2142.5	12	1.3
Spot 138	84	12846.6	1.688	7.4	1.4	6.8	1.8	0.4	1.20	0.65706	1999.1	20.6	2087.7	16.1	2176.2	24	8.1
Spot 139	129	30853.7	2.685	7.5	1.1	7.3	1.7	0.4	1.29	0.75746	2129.1	23.5	2148.1	15.3	2166.3	19	1.7
Spot 140	170	18241.4	2.108	7.1	0.9	8.0	2.3	0.4	2.11	0.91596	2199.1	39.3	2230.1	20.8	2258.7	16	2.6
Spot 141	231	36655.9	2.451	7.8	0.8	6.8	1.4	0.4	1.11	0.80629	2067.5	19.6	2086.0	12.2	2104.3	14	1.7
Spot 142	56	8240.5	1.609	8.2	1.0	6.0	1.8	0.4	1.44	0.80874	1950.0	24.2	1968.6	15.5	1988.2	19	1.9
Spot 143	195	27812.0	1.998	5.5	0.8	13.0	1.6	0.5	1.37	0.85130	2651.8	29.7	2680.9	15.2	2702.9	14	1.9
Spot 144	108	6321.5	2.175	7.6	0.8	7.4	1.6	0.4	1.35	0.86005	2202.6	25.2	2164.8	14.1	2129.1	14	-3.5
Spot 145	189	118340.5	2.217	5.5	0.7	13.1	1.5	0.5	1.32	0.88236	2657.7	28.8	2687.8	14.2	2710.5	12	1.9
Spot 146	214	29613.2	1.027	6.4	0.8	9.9	1.5	0.5	1.31	0.84991	2397.7	26.3	2429.2	14.3	2455.6	14	2.4
Spot 147	113	19614.5	2.859	7.3	0.6	7.9	1.7	0.4	1.55	0.91918	2225.9	29.1	2216.2	15.2	2207.1	12	-0.9
Spot 148	165	11926.8	2.239	8.7	0.9	5.4	1.8	0.3	1.49	0.85096	1885.5	24.4	1892.7	15.0	1900.7	17	0.8
Spot 149	315	69614.2	1.996	5.5	1.0	13.3	1.6	0.5	1.22	0.77453	2719.3	27.0	2700.0	14.8	2685.7	16	-1.3
Spot 150	180	29097.8	0.710	8.0	1.0	6.5	1.5	0.4	1.13	0.76469	2049.2	19.9	2051.1	13.1	2052.9	17	0.2
Spot 151	226	23001.8	2.036	8.5	0.8	5.7	1.6	0.3	1.40	0.86386	1922.0	23.2	1937.1	14.0	1953.4	15	1.6
Spot 152	44	3179.9	2.088	7.7	1.1	6.6	2.4	0.4	2.10	0.88884	2028.9	36.6	2055.9	20.9	2083.0	19	2.6
Spot 153	51	6187.6	0.988	7.4	0.8	7.0	1.8	0.4	1.38	0.78707	2054.8	24.3	2112.6	15.6	2169.3	19	5.3
Spot 154	83	8350.3	1.541	8.7	1.0	5.5	1.8	0.3	1.45	0.81235	1923.1	24.1	1904.4	15.3	1884.1	19	-2.1
Spot 155	214	33493.8	1.099	7.7	0.8	7.3	1.7	0.4	1.55	0.89159	2172.8	28.6	2149.3	15.5	2127.0	14	-2.2
Spot 157	29	11849.5	0.917	5.5	1.1	12.8	1.9	0.5	1.56	0.82241	2620.2	33.6	2667.1	17.9	2702.8	18	3.1
Spot 158	141	547592.2	0.811	7.4	0.9	7.5	1.4	0.4	1.09	0.77086	2149.1	20.0	2177.9	12.7	2205.1	16	2.5
Spot 159	238	279697.2	2.163	5.5	0.5	13.5	1.3	0.5	1.21	0.91155	2732.5	27.0	2716.6	12.6	2704.7	9	-1.0
Spot 160	162	17053.2	1.495	7.3	1.7	7.4	2.0	0.4	0.99	0.49488	2105.3	17.8	2164.0	17.9	2220.1	30	5.2
Spot 161	278	28379.2	2.004	5.4	0.9	13.6	1.6	0.5	1.35	0.84316	2742.0	30.2	2725.6	15.2	2713.5	14	-1.1
Spot 162	90	11994.2	1.910	7.3	0.9	7.7	1.5	0.4	1.23	0.80083	2191.7	22.9	2194.2	13.8	2196.5	16	0.2
Spot 163	144	19493.1	1.815	7.3	0.7	7.6	1.4	0.4	1.16	0.84509	2165.8	21.3	2189.8	12.3	2212.3	13	2.1
Spot 164	363	4210985.7	1.958	7.8	0.9	6.9	1.5	0.4	1.13	0.77105	2071.4	20.0	2092.4	13.0	2113.1	16	2.0
Spot 165	116	562006.1	2.779	7.6	1.0	7.0	1.7	0.4	1.35	0.80920	2073.4	23.9	2113.6	14.8	2153.0	17	3.7
Spot 166	192	32603.5	1.415	8.0	0.8	6.3	3.1	0.4	2.96	0.96544	1970.3	50.2	2014.8	26.9	2060.7	14	4.4
Spot 167	189	51416.2	1.859	8.5	1.0	5.6	1.4	0.3	0.93	0.67791	1889.4	15.3	1914.1	11.9	1940.9	18	2.7
Spot 168	57	3357.1	2.908	7.3	1.1	7.1	2.0	0.4	1.73	0.85032	2088.4	30.9	2124.2	18.1	2159.0	19	3.3
Spot 169	123	315469.8	0.684	8.0	1.0	6.1	2.6	0.3	2.36	0.91852	1917.1	39.2	1990.4	22.4	2067.4	18	7.3
Spot 171	71	190515.8	1.952	7.8	0.9	6.9	1.6	0.4	1.29	0.82730	2077.0	23.0	2092.9	13.9	2108.5	15	1.5
Spot 172	200	14389.8	2.021	7.5	0.8	7.3	1.5	0.4	1.34	0.86364	2140.5	24.3	2147.6	13.8	2154.4	14	0.6
Spot 174	151	31537.7	1.004	7.6	1.3	7.3	3.8	0.4	3.60	0.94411	2162.6	66.2	2148.6	34.1	2135.3	22	-1.3
Spot 175	166	62586.9	0.995	5.2	0.6	15.4	1.2	0.6	1.00	0.84593	2905.9	23.4	2841.9	11.3	2796.9	10	-3.9
Spot 176	196	27370.0	2.332	5.5	0.7	13.3	1.3	0.5	1.05	0.82169	2718.9	23.3	2698.6	12.1	2683.3	12	-1.3
Spot 177	142	17456.2	0.757	8.0	1.0	6.2	1.6	0.4	1.25	0.79274	1965.1	21.2	2011.2	13.8	2058.9	17	4.6
Spot 178	158	28781.2	2.043	7.6	1.0	7.1	1.6	0.4	1.33	0.80987	2099.8	23.8	2124.6	14.6	2148.7	17	2.3
Spot 179	107	19113.5	0.967	7.4	0.9	7.6	1.4	0.4	1.11	0.78289	2180.2	20.5	2183.7	12.7	2187.1	15	0.3
Spot 180	148	50250.0	1.287	7.3	0.8	7.8	1.6	0.4	1.36	0.86489	2212.7	25.4	2211.6	14.1	2210.6	14	-0.1

Spot 182	350	236040.9	2.001	4.9	0.8	16.4	1.5	0.6	1.30	0.86264	2946.3	30.6	2901.3	14.4	2870.3	12	-2.6
Spot 183	204	11247.2	2.066	7.5	0.8	7.5	1.5	0.4	1.31	0.85632	2196.8	24.4	2174.0	13.7	2152.6	14	-2.1
Spot 184	125	13588.9	2.004	8.6	0.9	5.5	1.7	0.3	1.39	0.82545	1894.9	22.7	1899.8	14.4	1905.0	17	0.5
Spot 185	242	76764.2	1.335	8.0	0.8	6.4	2.0	0.4	1.79	0.92000	2015.3	31.1	2034.7	17.1	2054.3	14	1.9
Spot 187	74	42160.2	1.958	7.4	0.9	7.3	1.7	0.4	1.46	0.84475	2100.6	26.3	2149.1	15.5	2195.8	16	4.3
Spot 188	153	17448.3	2.422	7.1	0.9	7.9	1.8	0.4	1.55	0.86971	2183.1	28.7	2217.9	16.1	2250.2	15	3.0
Spot 189	161	16007.5	1.491	8.1	1.0	6.3	1.9	0.4	1.61	0.85262	2016.3	27.9	2019.6	16.6	2022.9	17	0.3
Spot 190	217	33050.9	1.952	6.1	1.2	10.9	1.9	0.5	1.51	0.78053	2528.5	31.6	2517.1	18.0	2508.0	20	-0.8
Spot 191	115	18672.8	1.701	8.4	0.9	5.7	1.6	0.3	1.25	0.79805	1887.6	20.5	1924.6	13.5	1964.7	17	3.9
Spot 192	192	45068.7	1.789	7.6	0.8	7.2	1.5	0.4	1.30	0.84516	2128.7	23.6	2131.2	13.7	2133.5	14	0.2
Spot 193	106	30741.4	2.210	7.7	0.9	6.7	2.3	0.4	2.12	0.91897	2026.3	36.8	2071.8	20.3	2117.3	16	4.3
Spot 194	176	14931.7	2.217	5.5	0.7	13.0	1.6	0.5	1.42	0.89045	2664.7	31.1	2679.1	15.1	2690.0	12	0.9
Spot 195	146	26648.3	1.206	6.7	0.9	8.6	1.2	0.4	0.89	0.71941	2250.6	16.9	2301.5	11.2	2346.9	15	4.1
Spot 196	138	15706.8	1.282	7.7	0.8	6.9	1.6	0.4	1.31	0.84703	2072.7	23.3	2096.1	13.8	2119.1	14	2.2
Spot 197	452	185836.9	0.724	7.8	0.9	6.7	1.4	0.4	1.08	0.78267	2058.4	19.0	2075.9	12.2	2093.3	15	1.7
Spot 199	185	36527.2	2.043	5.5	0.8	13.4	1.3	0.5	1.08	0.81585	2729.6	24.1	2710.7	12.6	2696.5	13	-1.2
Spot 200	175	37013.6	2.518	5.6	0.9	13.2	1.6	0.5	1.28	0.80720	2724.2	28.5	2691.8	15.0	2667.6	16	-2.1
Spot 201	133	9994.6	1.860	8.6	0.8	5.0	1.3	0.3	0.98	0.75454	1743.5	14.9	1823.9	10.9	1916.9	15	9.0
Spot 202	263	34810.4	1.340	7.4	0.8	7.9	1.9	0.4	1.67	0.89559	2234.3	31.6	2215.4	16.8	2198.0	14	-1.6
Spot 203	152	89943.0	2.282	5.5	0.9	13.1	1.4	0.5	1.03	0.74319	2688.9	22.6	2688.5	13.1	2688.3	15	0.0
Spot 204	74	13052.7	2.248	7.2	1.3	7.5	1.8	0.4	1.24	0.68854	2112.2	22.4	2176.1	16.2	2236.9	23	5.6
Spot 205	303	106917.8	2.798	5.7	1.1	12.2	1.8	0.5	1.42	0.80333	2609.1	30.6	2623.2	16.6	2634.2	18	1.0
Spot 206	213	60985.5	0.907	7.5	1.0	7.2	1.8	0.4	1.54	0.84152	2104.6	27.7	2133.5	16.3	2161.4	17	2.6
Spot 207	122	29748.5	1.831	4.7	0.8	17.6	1.5	0.6	1.22	0.82309	2975.4	29.1	2965.9	14.2	2959.4	14	-0.5
Spot 208	84	12467.7	2.491	6.0	0.9	10.5	1.6	0.5	1.32	0.83920	2422.0	26.6	2483.1	14.5	2533.5	14	4.4
Spot 209	74	15342.2	8.740	7.5	1.0	7.2	1.8	0.4	1.52	0.83102	2101.9	27.3	2134.5	16.3	2166.0	18	3.0
Spot 210	185	15787.2	2.839	7.6	1.3	7.3	2.3	0.4	1.84	0.81659	2165.0	33.9	2144.6	20.1	2125.1	23	-1.9
Spot 212	104	39678.5	1.089	4.1	0.9	21.6	1.6	0.6	1.37	0.84449	3138.2	34.1	3164.8	15.8	3181.7	14	1.4
Spot 213	121	14914.9	1.739	8.6	1.0	5.6	1.6	0.3	1.24	0.77005	1907.1	20.5	1910.8	13.9	1914.8	18	0.4
Spot 214	533	55976.5	2.217	4.8	0.8	17.2	1.8	0.6	1.54	0.87784	3006.2	36.9	2945.2	16.8	2903.7	14	-3.5
Spot 215	135	35387.4	1.155	7.6	1.3	7.3	1.9	0.4	1.37	0.72123	2168.6	25.2	2148.8	17.0	2129.9	23	-1.8
Spot 216	120	16727.3	2.393	7.8	0.9	6.7	1.7	0.4	1.42	0.84179	2066.9	25.1	2077.0	14.9	2087.1	16	1.0
Spot 217	145	231110.9	1.213	5.0	0.9	15.8	1.4	0.6	1.04	0.76824	2869.4	24.1	2865.6	12.9	2862.9	14	-0.2
Spot 218	218	39808.4	1.215	7.8	1.0	7.2	1.9	0.4	1.57	0.83382	2177.0	29.0	2138.5	16.8	2101.6	18	-3.6
Spot 219	126	151936.0	1.931	7.3	0.7	7.6	1.3	0.4	1.07	0.83244	2167.5	19.6	2185.9	11.5	2203.3	12	1.6
Spot 220	135	7917.4	1.746	8.6	0.9	5.5	1.8	0.3	1.54	0.87414	1905.9	25.4	1897.6	15.1	1888.6	15	-0.9
Spot 221	105	25327.5	1.726	7.6	1.0	7.1	1.4	0.4	1.03	0.72720	2102.5	18.5	2120.6	12.6	2138.3	17	1.7
Spot 222	157	27927.3	2.064	7.7	0.9	6.9	1.6	0.4	1.26	0.80088	2094.5	22.6	2102.7	14.0	2110.8	17	0.8
Spot 223	284	20641.3	2.100	5.4	1.1	13.3	1.6	0.5	1.15	0.73612	2703.4	25.5	2701.6	14.8	2700.3	18	-0.1
Spot 224	177	53366.5	2.273	5.4	0.7	13.7	1.4	0.5	1.22	0.87701	2750.1	27.3	2731.8	13.1	2718.3	11	-1.2
Spot 225	141	26598.5	2.407	3.4	0.7	29.3	1.6	0.7	1.41	0.88982	3462.8	37.9	3464.1	15.6	3464.8	11	0.1
Spot 226	157	56545.4	2.162	5.4	0.7	13.3	1.5	0.5	1.33	0.87924	2689.1	29.3	2698.4	14.3	2705.4	12	0.6
Spot 227	202	42350.5	1.181	7.7	0.8	7.1	1.5	0.4	1.21	0.82727	2127.2	22.0	2124.6	13.1	2122.0	14	-0.2

Spot 228	82	12049.2	1.954	8.7	0.8	5.3	1.6	0.3	1.40	0.87128	1853.4	22.5	1867.8	13.7	1883.9	14	1.6
Spot 229	154	24527.1	2.151	5.5	0.8	13.2	1.6	0.5	1.42	0.87332	2697.7	31.3	2692.8	15.4	2689.1	13	-0.3
Spot 230	243	37605.2	5.266	7.5	1.1	7.3	1.9	0.4	1.57	0.82204	2129.2	28.5	2146.7	17.1	2163.5	19	1.6
Spot 231	171	31116.3	2.622	7.4	1.0	7.6	1.6	0.4	1.31	0.80857	2178.5	24.2	2181.2	14.5	2183.8	17	0.2
Spot 232	176	25600.4	2.458	3.9	0.7	23.1	1.3	0.7	1.16	0.86776	3240.1	29.4	3231.3	13.0	3225.9	10	-0.4
Spot 233	117	70441.3	1.505	5.5	0.7	13.6	2.0	0.5	1.93	0.94697	2747.9	43.1	2719.4	19.2	2698.2	11	-1.8
Spot 234	140	46616.3	1.625	5.3	1.1	13.6	1.9	0.5	1.53	0.80523	2701.9	33.7	2720.0	17.9	2733.4	18	1.2
Spot 235	284	555954.3	1.134	3.9	1.0	23.6	1.8	0.7	1.56	0.85107	3269.3	39.9	3250.8	17.8	3239.3	15	-0.9
Spot 237	49	1722.0	0.962	8.3	1.4	5.1	2.2	0.3	1.68	0.76783	1799.5	26.4	1828.1	18.6	1860.8	25	3.3
Spot 238	169	28409.1	1.469	4.7	0.8	18.0	1.7	0.6	1.48	0.88343	3048.4	36.0	2988.2	16.1	2948.0	13	-3.4
Spot 239	40	3342.6	1.616	7.2	1.4	7.4	2.4	0.4	1.93	0.79990	2159.9	35.4	2166.1	21.6	2171.9	25	0.6
Spot 240	254	363918.0	2.149	5.4	0.7	13.5	1.2	0.5	1.02	0.82832	2736.0	22.7	2716.6	11.6	2702.3	11	-1.2
Spot 241	115	20229.6	2.903	7.3	0.9	7.6	1.4	0.4	1.12	0.78675	2175.3	20.6	2187.2	12.7	2198.3	15	1.0
Spot 242	324	246099.3	2.136	8.0	0.8	6.9	1.3	0.4	1.04	0.79182	2138.7	18.9	2095.8	11.7	2054.0	14	-4.1
Spot 243	232	32260.9	1.999	7.4	0.9	8.0	1.5	0.4	1.24	0.81977	2278.5	23.8	2227.1	13.6	2180.2	15	-4.5
Spot 244	342	39342.5	2.223	5.4	1.1	13.5	2.3	0.5	2.09	0.88900	2727.5	46.4	2713.8	22.2	2703.5	18	-0.9
Spot 245	247	34562.0	1.086	7.4	0.7	7.6	1.5	0.4	1.34	0.87703	2209.3	25.1	2189.0	13.7	2170.1	13	-1.8
Spot 247	104	9013.3	2.677	7.0	1.1	8.6	1.6	0.4	1.07	0.69022	2329.1	21.0	2297.7	14.1	2270.0	19	-2.6
Spot 249	121	22528.6	1.800	7.7	1.4	7.1	2.1	0.4	1.62	0.76158	2154.8	29.6	2128.9	18.9	2104.0	24	-2.4
Spot 250	220	91799.9	2.118	5.8	0.6	12.2	1.5	0.5	1.38	0.90495	2640.6	30.0	2620.3	14.3	2604.7	11	-1.4
Spot 251	101	8664.5	3.406	7.5	0.9	6.6	3.0	0.4	2.83	0.95602	1988.7	48.5	2057.9	26.1	2127.8	15	6.5
Spot 253	291	87089.4	1.656	5.5	0.6	13.4	1.3	0.5	1.17	0.87740	2726.6	26.0	2706.4	12.6	2691.3	11	-1.3
Spot 254	171	60016.1	0.756	8.0	0.7	6.6	1.7	0.4	1.59	0.91401	2067.8	28.2	2056.6	15.4	2045.4	13	-1.1
Spot 255	196	30925.2	2.485	5.6	0.9	13.0	2.9	0.5	2.74	0.95038	2703.9	60.6	2677.6	27.2	2657.8	15	-1.7
Spot 256	259	54047.3	2.102	5.5	0.9	13.1	1.9	0.5	1.73	0.88963	2695.6	38.0	2688.7	18.3	2683.4	15	-0.5
Spot 257	158	50542.3	1.461	7.3	1.0	7.7	1.6	0.4	1.21	0.76894	2179.1	22.3	2194.7	14.1	2209.3	17	1.4
Spot 258	229	25417.3	2.009	8.7	1.0	5.6	1.8	0.4	1.43	0.80952	1938.3	23.9	1918.5	15.2	1897.0	19	-2.2
Spot 259	182	99947.4	1.289	5.7	0.8	12.4	1.8	0.5	1.58	0.88220	2631.9	34.1	2632.9	16.8	2633.7	14	0.1
Spot 260	539	31949.2	1.051	7.9	1.0	6.8	2.3	0.4	2.02	0.89223	2110.3	36.4	2091.0	20.1	2072.0	18	-1.8
Spot 261	167	48403.0	1.879	5.5	0.8	13.5	1.4	0.5	1.19	0.82517	2743.8	26.5	2715.2	13.6	2693.9	13	-1.9
Spot 262	133	113680.2	1.885	7.1	0.8	7.2	3.7	0.4	3.63	0.97554	2014.1	62.9	2135.0	33.2	2253.4	14	10.6
Spot 263	219	56173.0	2.405	5.5	0.8	13.4	1.3	0.5	1.01	0.78938	2721.5	22.3	2705.0	12.0	2692.7	13	-1.1
Spot 264	470	131374.7	1.683	5.6	0.7	13.3	1.6	0.5	1.42	0.89286	2754.1	31.9	2700.1	15.0	2659.9	12	-3.5
Spot 265	393	80230.1	2.360	5.1	0.7	15.4	1.2	0.6	0.92	0.78612	2893.5	21.3	2842.0	11.1	2805.6	12	-3.1
Spot 266	62	11023.0	0.955	5.4	0.9	13.3	2.1	0.5	1.91	0.90161	2707.8	42.1	2703.8	20.0	2700.9	15	-0.3
Spot 267	319	115155.2	1.825	8.4	0.7	6.1	1.8	0.4	1.61	0.90779	2015.6	27.9	1986.4	15.5	1956.1	13	-3.0
Spot 268	412	27330.7	1.864	5.5	0.7	13.1	1.2	0.5	1.01	0.82336	2685.8	22.2	2684.8	11.6	2684.0	12	-0.1
Spot 269	147	30544.6	2.176	5.5	0.8	13.2	1.5	0.5	1.21	0.82360	2715.6	26.9	2695.9	13.9	2681.3	14	-1.3
Spot 271	90	31835.0	1.133	7.6	1.0	6.6	3.7	0.4	3.53	0.96015	1995.6	60.6	2057.5	32.4	2120.1	18	5.9
Spot 272	156	17513.0	2.070	7.2	0.6	8.2	1.5	0.4	1.34	0.90247	2286.7	25.8	2248.2	13.4	2213.4	11	-3.3
Spot 273	214	197917.0	2.068	5.5	0.7	13.4	1.3	0.5	1.11	0.83393	2732.7	24.7	2706.6	12.6	2687.2	12	-1.7
Spot 274	159	698712.1	2.020	7.7	0.9	6.9	1.5	0.4	1.20	0.80225	2084.3	21.3	2095.9	13.2	2107.2	16	1.1
Spot 275	474	93878.2	1.676	5.6	0.7	12.9	1.5	0.5	1.32	0.88946	2698.9	29.2	2669.3	14.0	2646.9	11	-2.0

Spot 276	78	31232.6	3.283	7.6	1.2	6.3	4.4	0.3	4.19	0.95944	1905.9	69.1	2019.6	38.3	2137.9	22	10.9
Spot 278	48	1957.0	1.746	7.3	2.5	6.9	3.2	0.4	2.02	0.62471	2071.0	35.8	2099.6	28.7	2127.6	44	2.7
Spot 279	222	21627.3	2.705	8.8	0.8	5.5	2.7	0.3	2.54	0.95394	1925.8	42.4	1901.4	22.9	1874.8	14	-2.7
Spot 280	152	17375.5	2.429	5.5	0.9	13.2	1.6	0.5	1.36	0.84151	2688.0	30.0	2691.5	15.3	2694.2	14	0.2
Spot 281	259	22020.0	1.508	8.1	0.7	6.4	1.6	0.4	1.37	0.87612	2053.4	24.1	2031.5	13.7	2009.2	13	-2.2
Spot 282	205	38489.8	1.531	7.8	0.9	7.2	1.6	0.4	1.31	0.80983	2169.4	24.1	2133.3	14.4	2098.7	17	-3.4
Spot 283	172	12283.6	1.479	7.6	0.9	6.3	3.7	0.3	3.63	0.96863	1913.4	60.1	2017.9	32.9	2126.5	16	10.0
Spot 284	110	18521.6	1.828	7.6	1.0	7.0	1.8	0.4	1.41	0.79987	2082.7	25.0	2109.5	15.6	2135.7	18	2.5
Spot 285	460	44776.6	2.676	7.8	0.6	6.9	1.2	0.4	1.07	0.85777	2118.1	19.3	2102.3	11.1	2086.9	11	-1.5
Spot 286	354	81390.4	0.770	5.5	0.7	13.5	1.8	0.5	1.67	0.91778	2740.1	37.4	2714.5	17.2	2695.5	12	-1.7
Spot 287	90	48382.8	2.778	7.4	0.8	6.9	3.3	0.4	3.16	0.96942	1995.1	54.3	2094.8	28.9	2194.2	14	9.1
Spot 288	41	2862.5	1.764	7.4	1.6	6.8	2.8	0.4	2.21	0.80216	2033.1	38.5	2084.8	24.4	2136.3	29	4.8
Spot 289	59	5600.7	1.303	5.0	0.9	14.8	1.7	0.5	1.43	0.84883	2761.4	32.2	2804.7	16.1	2835.9	15	2.6
Spot 290	89	30880.8	2.148	7.2	1.1	7.6	2.0	0.4	1.73	0.84449	2134.9	31.4	2187.1	18.3	2236.3	19	4.5
Spot 291	272	57360.2	2.180	5.5	0.8	13.5	1.4	0.5	1.21	0.84694	2750.6	27.2	2715.0	13.5	2688.6	13	-2.3
Spot 292	39	2641.1	2.416	6.1	1.2	10.5	2.2	0.5	1.78	0.80534	2465.0	36.4	2476.2	20.5	2485.4	22	0.8
Spot 293	159	9564.4	1.768	6.2	3.1	8.7	3.4	0.4	1.38	0.40295	2126.2	25.0	2310.7	31.3	2477.9	53	14.2
Spot 294	478	47812.2	4.681	5.3	0.6	14.7	1.3	0.6	1.16	0.87557	2863.3	26.8	2799.2	12.6	2753.4	10	-4.0
Spot 296	201	13916.0	1.209	8.8	0.9	5.2	1.8	0.3	1.54	0.85963	1837.1	24.6	1857.0	15.2	1879.4	16	2.3
Spot 297	180	33450.0	1.745	7.8	0.8	6.8	2.0	0.4	1.77	0.90104	2061.7	31.2	2081.7	17.3	2101.5	15	1.9
Spot 298	281	33014.8	1.031	8.8	0.7	5.7	1.5	0.4	1.33	0.87198	1966.4	22.6	1926.6	13.2	1884.1	13	-4.4
Spot 299	42	5470.4	2.566	7.3	1.5	7.5	2.3	0.4	1.68	0.73727	2164.5	31.0	2176.6	20.5	2187.9	27	1.1
Spot 300	121	16410.9	2.057	5.5	0.8	13.2	1.4	0.5	1.07	0.78333	2691.2	23.5	2691.0	12.8	2690.9	14	0.0
Spot 301	166	27394.9	0.710	6.8	0.8	8.7	1.6	0.4	1.42	0.87982	2293.5	27.4	2309.7	14.7	2324.0	13	1.3
Spot 302	66	13841.3	0.718	5.7	1.1	12.8	1.7	0.5	1.32	0.76604	2717.5	29.4	2666.4	16.3	2627.8	18	-3.4
Spot 303	162	340616.2	2.904	7.5	0.9	7.1	2.7	0.4	2.58	0.93996	2092.3	46.1	2126.2	24.4	2159.1	16	3.1
Spot 304	275	36322.7	1.678	5.6	0.9	12.9	1.6	0.5	1.33	0.84059	2675.2	29.0	2669.5	14.9	2665.3	14	-0.4
Spot 305	143	161322.8	2.492	7.6	1.0	7.2	1.7	0.4	1.33	0.78547	2139.8	24.2	2139.3	15.1	2138.8	18	0.0
Spot 306	99	7625.1	1.617	8.6	1.0	5.4	1.8	0.3	1.46	0.82706	1857.7	23.6	1879.0	15.1	1902.6	18	2.4
Spot 307	253	39796.1	2.213	5.4	0.7	13.8	1.4	0.5	1.20	0.85485	2734.3	26.7	2734.7	13.3	2734.9	12	0.0
Spot 308	216	38813.3	2.580	5.0	0.9	15.9	1.6	0.6	1.37	0.83311	2910.7	32.1	2869.9	15.7	2841.4	15	-2.4
Spot 309	180	132505.7	3.218	5.1	1.2	15.3	1.9	0.6	1.51	0.77760	2879.1	35.1	2836.7	18.5	2806.8	20	-2.6
Spot 310	78	5644.5	1.180	7.5	1.7	7.0	2.2	0.4	1.35	0.61158	2095.2	24.1	2115.0	19.6	2134.4	30	1.8
Spot 311	232	36126.3	1.867	7.4	0.8	7.8	1.6	0.4	1.39	0.86078	2230.7	26.2	2204.6	14.5	2180.5	14	-2.3
Spot 312	156	48866.0	2.147	7.4	0.9	7.4	1.4	0.4	1.03	0.76168	2128.0	18.7	2156.3	12.1	2183.4	15	2.5
Spot 313	286	47067.3	1.799	5.6	0.8	13.0	1.3	0.5	0.96	0.76587	2716.7	21.3	2677.8	11.8	2648.6	13	-2.6
Spot 314	189	75009.3	2.627	5.5	1.1	13.7	1.8	0.5	1.41	0.78887	2767.2	31.7	2729.3	16.9	2701.3	18	-2.4
Spot 315	87	18538.7	1.168	3.5	0.9	26.9	1.5	0.7	1.18	0.80145	3306.8	30.4	3380.7	14.4	3424.8	14	3.4
Run 1 (discordant Sept 2021)																	
Spot 1	91	179767.1	1.754	10.8	5.9	6.4	30.6	0.5	30.00	0.98133	2630.1	650.1	2036.9	275.2	1480.1	112	-77.7
Spot 124	131	34789.7	1.884	8.2	7.7	6.6	16.0	0.4	14.06	0.87704	2140.3	256.2	2060.7	142.3	1982.0	137	-8.0
Spot 14	67	4348.0	1.124	5.8	7.6	12.9	10.5	0.5	7.24	0.68770	2771.8	163.2	2669.1	99.6	2592.2	128	-6.9
Spot 156	149	34539.7	1.073	7.8	6.1	6.5	10.3	0.4	8.29	0.80376	2038.3	144.9	2051.2	91.1	2064.2	108	1.3

Spot 170	91	203556.7	2.127	7.9	8.1	7.4	12.9	0.4	10.07	0.77970	2255.9	191.7	2155.2	115.9	2060.6	143	-9.5
Spot 173	118	27271.0	2.557	7.8	1.0	7.2	2.1	0.4	1.87	0.88630	2194.6	34.8	2135.8	18.8	2079.7	17	-5.5
Spot 181	86	32393.8	1.830	6.6	7.8	10.0	8.1	0.5	2.33	0.28697	2508.2	48.3	2434.2	75.0	2373.0	133	-5.7
Spot 186	162	67035.0	2.463	5.8	2.9	19.4	13.2	0.8	12.86	0.97598	3861.4	374.1	3063.1	127.9	2574.7	48	-50.0
Spot 198	25	6630.0	1.704	4.9	13.0	20.1	24.8	0.7	21.10	0.85139	3490.4	570.2	3093.8	244.3	2845.6	213	-22.7
Spot 21	253	29613.0	1.913	5.5	0.9	13.6	1.5	0.5	1.21	0.79582	2801.7	27.5	2720.3	14.4	2660.3	15	-5.3
Spot 211	288	36027.5	2.240	8.7	0.8	5.8	1.2	0.4	0.96	0.78246	2019.9	16.6	1946.0	10.6	1868.2	14	-8.1
Spot 236	133	33482.0	1.190	8.3	7.6	6.8	13.9	0.4	11.59	0.83462	2213.9	217.2	2085.5	123.5	1961.0	137	-12.9
Spot 246	506	182298.6	1.665	5.7	0.8	13.1	1.8	0.5	1.61	0.88737	2780.9	36.3	2687.7	17.1	2618.4	14	-6.2
Spot 248	92	7365.5	2.978	7.8	3.9	7.1	6.3	0.4	4.97	0.79069	2192.4	92.4	2128.2	56.1	2066.7	68	-6.1
Spot 252	29	17393.1	1.171	21.2	0.8	6.6	1.3	1.0	0.97	0.76681	4502.2	31.5	2055.7	11.2	57.8	19	####
Spot 26	30	3400.8	1.286	8.8	2.1	6.1	3.6	0.4	2.86	0.80400	2127.2	51.8	1993.8	31.1	1858.2	38	-14.5
Spot 270	311	66080.6	1.687	7.6	0.8	7.6	1.6	0.4	1.41	0.87624	2234.9	26.6	2179.6	14.4	2127.9	14	-5.0
Spot 277	40	8471.6	1.288	8.1	6.8	6.7	12.1	0.4	10.00	0.82873	2139.0	182.0	2067.4	106.9	1996.8	120	-7.1
Spot 295	52	6955.6	2.217	8.0	5.0	7.2	8.6	0.4	7.01	0.81335	2234.9	132.4	2132.5	76.9	2035.2	89	-9.8
Spot 30	20	1419.6	5.509	7.9	1.6	6.9	2.3	0.4	1.67	0.71706	2157.0	30.7	2102.3	20.7	2049.1	29	-5.3
Spot 67	6	1000.0	3.606	5.1	1.0	27.4	1.2	1.0	0.60	0.51417	4529.7	19.5	3399.2	11.4	2786.9	16	-62.5
Spot 9	206	30187.7	1.975	7.9	0.9	7.0	1.6	0.4	1.35	0.83576	2178.4	25.0	2116.6	14.4	2057.0	16	-5.9

Run 1 (Nov.)

Spot 1	115	350334.3	1.924	7.5	0.6	7.2	1.3	0.4	1.11	0.86466	2146.5	20.3	2140.0	11.5	2133.7	11	-0.6
Spot 2	278	151108.3	2.084	5.3	0.6	12.9	1.0	0.5	0.87	0.83877	2633.2	18.9	2675.2	9.8	2707.1	9	2.7
Spot 3	85	122018.2	2.211	7.5	0.7	7.1	1.3	0.4	1.03	0.81700	2129.0	18.7	2129.7	11.2	2130.4	13	0.1
Spot 4	125	104682.3	3.220	7.6	0.7	7.3	1.1	0.4	0.85	0.77678	2185.0	15.8	2150.8	9.8	2118.4	12	-3.1
Spot 5	79	30807.1	1.530	7.2	0.9	7.7	1.4	0.4	1.14	0.79753	2180.4	21.1	2193.4	12.8	2205.6	15	1.1
Spot 6	153	114734.6	1.617	5.8	0.7	11.5	1.1	0.5	0.84	0.77493	2566.1	17.8	2565.4	10.1	2564.9	11	0.0
Spot 7	103	57908.0	1.866	7.5	0.9	7.2	1.3	0.4	1.01	0.76444	2144.8	18.5	2137.2	11.8	2130.0	15	-0.7
Spot 8	71	38534.1	0.551	7.9	0.6	6.5	1.1	0.4	0.94	0.83368	2048.6	16.4	2039.8	9.9	2030.9	11	-0.9
Spot 9	231	328016.2	2.276	5.4	0.6	13.4	1.1	0.5	0.93	0.83645	2726.6	20.6	2709.3	10.5	2696.4	10	-1.1
Spot 10	117	114898.7	3.548	7.4	0.7	7.5	1.2	0.4	0.95	0.82135	2197.3	17.7	2175.7	10.4	2155.3	12	-1.9
Spot 11	222	259603.9	1.257	7.8	0.6	6.8	1.0	0.4	0.87	0.83355	2115.1	15.7	2084.8	9.2	2055.0	10	-2.9
Spot 12	271	369214.9	1.181	7.6	0.5	6.9	1.0	0.4	0.83	0.85089	2093.4	14.9	2095.0	8.7	2096.6	9	0.2
Spot 13	200	99421.8	2.803	5.3	0.6	13.1	1.1	0.5	0.96	0.84547	2660.9	20.8	2684.8	10.7	2702.9	10	1.6
Spot 14	225	207821.5	2.265	7.6	0.4	7.2	1.0	0.4	0.91	0.91650	2151.9	16.6	2130.9	8.8	2110.8	7	-1.9
Spot 15	278	449641.4	1.221	6.4	0.7	9.7	1.3	0.5	1.05	0.83568	2418.6	21.2	2407.3	11.6	2397.7	12	-0.9
Spot 16	172	259864.5	1.814	7.4	0.6	7.3	1.1	0.4	0.94	0.84049	2159.7	17.2	2154.1	10.0	2148.7	11	-0.5
Spot 17	306	424772.4	1.900	7.2	0.5	7.7	1.1	0.4	1.01	0.87846	2201.2	18.8	2201.4	10.3	2201.6	10	0.0
Spot 18	79	99031.4	1.266	4.0	0.8	21.8	1.2	0.6	0.89	0.76167	3168.8	22.2	3175.3	11.3	3179.4	12	0.3
Spot 19	41	52828.8	1.673	4.0	0.8	22.5	1.5	0.7	1.20	0.82177	3250.6	30.7	3203.6	14.2	3174.3	13	-2.4
Spot 20	172	88982.6	1.695	7.4	0.6	7.5	1.0	0.4	0.76	0.78942	2205.4	14.2	2177.8	8.6	2151.9	10	-2.5
Spot 21	84	60080.5	1.671	7.5	0.7	7.0	1.0	0.4	0.77	0.74611	2093.4	13.7	2106.2	9.1	2118.7	12	1.2
Spot 22	202	182119.7	1.038	5.8	0.6	11.7	1.0	0.5	0.85	0.81184	2575.8	18.1	2577.6	9.8	2579.1	10	0.1
Spot 23	133	99661.7	1.939	7.5	0.6	7.3	1.0	0.4	0.83	0.78744	2166.8	15.2	2144.7	9.4	2123.5	11	-2.0
Spot 24	114	2149987.1	1.589	5.4	0.6	13.2	1.2	0.5	1.02	0.86347	2706.3	22.6	2697.3	11.2	2690.6	10	-0.6

Spot 25	140	192568.7	3.190	7.4	0.9	7.5	1.3	0.4	0.88	0.69537	2186.4	16.3	2170.5	11.3	2155.6	16	-1.4
Spot 26	55	23479.3	2.066	7.4	0.9	7.4	1.5	0.4	1.12	0.76526	2186.5	20.7	2163.1	13.1	2140.9	16	-2.1
Spot 27	248	125627.1	1.861	7.5	0.7	7.3	1.2	0.4	0.98	0.82800	2168.7	18.0	2152.4	10.5	2136.8	12	-1.5
Spot 28	66	94485.6	2.033	7.4	0.6	7.7	0.9	0.4	0.64	0.74999	2247.1	12.2	2198.4	7.7	2153.2	10	-4.4
Spot 29	168	169927.9	2.608	7.3	0.8	7.7	1.3	0.4	1.07	0.80253	2215.4	20.1	2200.3	12.0	2186.2	14	-1.3
Spot 30	200	201287.2	2.398	5.4	0.6	13.3	0.9	0.5	0.65	0.74112	2704.8	14.4	2698.9	8.3	2694.5	10	-0.4
Spot 31	34	59961.9	1.528	5.4	0.9	13.1	1.4	0.5	1.11	0.76791	2671.1	24.3	2685.3	13.7	2696.1	15	0.9
Spot 32	152	172510.8	1.990	4.6	0.7	17.5	1.1	0.6	0.86	0.79743	2946.4	20.4	2960.4	10.4	2970.0	11	0.8
Spot 33	193	232559.0	2.829	7.1	0.7	7.8	1.3	0.4	1.14	0.85888	2186.2	21.1	2206.7	11.9	2225.7	12	1.8
Spot 34	94	116874.3	3.719	7.5	0.7	7.5	1.0	0.4	0.64	0.67051	2204.4	12.0	2171.4	8.6	2140.3	12	-3.0
Spot 35	314	913088.2	2.342	5.3	0.6	13.4	1.3	0.5	1.13	0.87406	2690.1	24.8	2707.1	12.2	2719.8	10	1.1
Spot 36	142	101949.6	0.840	5.4	0.7	13.0	1.2	0.5	0.99	0.82535	2684.2	21.8	2679.2	11.4	2675.4	11	-0.3
Spot 37	171	155999.0	2.324	5.6	0.5	12.2	1.0	0.5	0.84	0.83873	2608.9	18.0	2618.6	9.4	2626.0	9	0.7
Spot 38	233	82145.9	1.937	7.4	0.7	7.6	1.3	0.4	1.08	0.83709	2205.7	20.2	2183.1	11.6	2161.9	12	-2.0
Spot 39	171	100085.6	2.190	7.5	0.7	7.2	1.3	0.4	1.08	0.83739	2153.7	19.7	2140.2	11.5	2127.3	12	-1.2
Spot 40	90	853406.9	2.682	5.3	0.6	13.0	1.0	0.5	0.82	0.79458	2639.7	17.9	2682.1	9.8	2714.1	10	2.7
Spot 41	695	130669.0	2.124	7.6	0.4	6.8	0.7	0.4	0.57	0.80447	2059.6	10.0	2085.6	6.3	2111.3	7	2.4
Spot 42	149	254253.4	1.969	5.4	0.5	13.0	1.1	0.5	0.96	0.87187	2673.9	21.0	2679.1	10.4	2682.9	9	0.3
Spot 43	239	113280.4	2.677	7.8	0.6	6.6	1.2	0.4	1.07	0.86448	2061.0	18.9	2060.0	11.0	2058.9	11	-0.1
Spot 44	73	64831.9	2.338	5.9	0.4	11.1	0.8	0.5	0.71	0.86935	2527.4	14.8	2534.1	7.6	2539.4	7	0.5
Spot 45	173	429077.2	2.089	4.8	0.7	16.5	1.1	0.6	0.83	0.77977	2927.3	19.6	2908.7	10.2	2895.9	11	-1.1
Spot 46	92	127452.3	1.491	5.6	0.7	12.4	1.3	0.5	1.09	0.83660	2646.2	23.6	2637.5	12.2	2630.9	12	-0.6
Spot 47	302	385872.0	2.735	7.1	0.6	7.8	1.1	0.4	0.91	0.84543	2196.1	17.0	2207.6	9.7	2218.4	10	1.0
Spot 48	276	559606.5	1.384	7.6	0.6	7.1	1.1	0.4	0.93	0.83207	2137.0	16.8	2125.8	9.9	2115.0	11	-1.0
Spot 49	237	260618.4	1.591	7.4	0.6	7.2	1.3	0.4	1.11	0.87673	2117.1	20.0	2139.4	11.3	2160.9	11	2.0
Spot 50	153	81984.5	2.478	7.4	0.6	7.3	1.0	0.4	0.83	0.79499	2146.6	15.1	2148.4	9.3	2150.0	11	0.2
Spot 51	246	736583.2	2.863	4.3	0.7	18.8	0.9	0.6	0.58	0.62472	3015.9	13.9	3032.0	8.9	3042.6	12	0.9
Spot 52	191	68323.8	1.726	8.5	0.8	5.5	1.3	0.3	0.98	0.77095	1903.8	16.1	1900.0	10.9	1895.9	15	-0.4
Spot 53	93	32231.1	1.534	7.5	0.8	7.1	1.2	0.4	0.87	0.74020	2117.3	15.7	2117.8	10.4	2118.2	14	0.0
Spot 54	153	73106.1	2.206	5.4	0.8	13.2	1.2	0.5	0.91	0.73241	2718.1	20.2	2696.0	11.7	2679.4	14	-1.4
Spot 55	209	89983.3	2.142	5.4	0.5	12.9	1.0	0.5	0.84	0.84070	2643.2	18.3	2669.9	9.5	2690.1	9	1.7
Spot 56	215	156909.5	1.704	7.6	0.8	7.0	1.2	0.4	0.93	0.77630	2115.1	16.7	2110.8	10.6	2106.6	13	-0.4
Spot 57	169	170613.3	3.808	7.1	0.7	7.7	1.1	0.4	0.90	0.79074	2170.7	16.6	2199.5	10.3	2226.4	12	2.5
Spot 58	168	439114.8	0.998	7.7	0.8	6.7	1.3	0.4	1.05	0.79984	2062.4	18.6	2073.3	11.6	2084.1	14	1.0
Spot 59	107	459059.7	2.063	7.6	0.6	6.9	1.0	0.4	0.78	0.79494	2089.5	13.8	2102.3	8.7	2114.8	10	1.2
Spot 60	172	137365.8	2.584	4.5	1.3	17.2	1.6	0.6	0.97	0.60335	2880.6	22.5	2948.2	15.4	2994.7	21	3.8
Spot 61	327	1294794.0	2.114	7.5	0.5	7.1	0.9	0.4	0.71	0.81482	2128.0	12.9	2125.3	7.8	2122.6	9	-0.3
Spot 62	353	135022.3	2.036	8.5	0.8	5.5	1.6	0.3	1.38	0.85415	1878.6	22.4	1893.1	13.8	1909.0	15	1.6
Spot 63	149	711802.7	3.016	7.6	0.7	7.0	1.4	0.4	1.20	0.86926	2118.5	21.7	2117.6	12.3	2116.7	12	-0.1
Spot 64	259	127077.4	1.366	8.5	0.5	5.5	0.9	0.3	0.78	0.82310	1896.3	12.8	1898.9	8.1	1901.7	10	0.3
Spot 65	118	531799.5	1.996	7.3	0.6	7.4	1.0	0.4	0.84	0.82800	2163.3	15.4	2166.7	9.1	2169.8	10	0.3
Spot 66	137	141951.2	1.721	6.9	0.6	8.6	0.9	0.4	0.67	0.76351	2308.9	13.0	2296.3	8.0	2285.1	10	-1.0
Spot 67	203	270583.9	2.279	4.6	0.6	16.7	1.0	0.6	0.84	0.82169	2892.8	19.6	2919.3	9.8	2937.6	9	1.5

Spot 68	27	16898.9	1.463	5.2	0.9	12.9	1.2	0.5	0.88	0.71441	2581.7	18.7	2674.8	11.6	2746.0	14	6.0
Spot 69	243	579735.6	2.021	5.3	0.6	13.2	1.1	0.5	0.99	0.87341	2668.0	21.7	2694.5	10.7	2714.3	9	1.7
Spot 70	116	158829.0	1.749	5.4	0.6	13.2	0.9	0.5	0.64	0.72041	2703.9	14.1	2694.7	8.4	2687.7	10	-0.6
Spot 71	86	101887.0	3.529	7.5	0.6	7.2	1.2	0.4	1.02	0.85085	2136.4	18.6	2133.5	10.7	2130.8	11	-0.3
Spot 72	277	232602.7	2.533	7.3	0.6	7.4	1.1	0.4	0.88	0.82150	2145.6	16.0	2155.3	9.5	2164.6	11	0.9
Spot 73	191	127436.4	1.500	4.7	0.6	16.9	1.2	0.6	0.98	0.84021	2929.1	23.1	2928.3	11.2	2927.7	10	0.0
Spot 74	15	11426.5	0.892	7.4	1.1	7.6	1.4	0.4	0.94	0.66041	2226.6	17.7	2179.2	12.8	2134.9	19	-4.3
Spot 75	286	240175.6	1.875	5.4	0.6	13.0	0.9	0.5	0.64	0.74670	2663.4	14.1	2680.3	8.1	2693.1	9	1.1
Spot 76	14	28232.8	1.726	5.6	0.9	11.9	1.3	0.5	0.92	0.71329	2571.6	19.5	2597.5	12.1	2617.8	15	1.8
Spot 77	238	138923.1	2.099	7.3	0.6	7.6	1.1	0.4	0.93	0.84779	2200.7	17.3	2185.5	9.8	2171.2	10	-1.4
Spot 78	47	25824.9	2.636	7.3	0.7	7.3	1.3	0.4	1.08	0.84690	2138.6	19.7	2150.7	11.4	2162.2	12	1.1
Spot 79	209	356604.2	1.456	8.6	0.5	5.5	0.8	0.3	0.66	0.80841	1903.1	10.9	1897.7	7.1	1891.8	9	-0.6
Spot 80	244	127904.9	1.744	8.6	1.8	5.5	2.6	0.3	1.88	0.73237	1917.1	31.2	1898.7	22.1	1878.6	32	-2.0
Spot 81	179	96440.0	1.302	8.3	0.5	5.8	0.8	0.4	0.69	0.82428	1959.2	11.7	1952.7	7.3	1945.7	8	-0.7
Spot 82	168	120104.1	1.472	8.3	0.8	6.0	1.3	0.4	0.96	0.75856	1982.6	16.3	1971.0	11.0	1958.7	15	-1.2
Spot 83	154	1404398.8	1.060	5.3	0.7	13.6	1.1	0.5	0.89	0.79254	2750.9	20.0	2724.7	10.7	2705.4	11	-1.7
Spot 84	53	50417.1	3.139	7.3	0.8	7.3	1.3	0.4	1.06	0.80550	2143.9	19.4	2152.7	11.8	2161.1	14	0.8
Spot 85	255	776624.5	2.584	5.5	0.5	12.4	1.0	0.5	0.88	0.87075	2630.6	18.9	2637.5	9.5	2642.8	8	0.5
Spot 86	219	183807.6	1.938	7.7	0.6	6.9	1.0	0.4	0.81	0.81203	2113.5	14.6	2097.5	8.8	2081.7	10	-1.5
Spot 87	308	547422.8	2.227	5.3	0.7	13.3	1.3	0.5	1.11	0.85321	2691.5	24.5	2698.3	12.3	2703.3	11	0.4
Spot 88	89	99982.6	2.656	7.4	0.7	7.4	1.2	0.4	0.97	0.79472	2166.4	17.8	2162.2	10.9	2158.2	13	-0.4
Spot 89	127	49207.1	2.010	7.6	0.9	7.0	1.4	0.4	1.11	0.78587	2111.6	20.1	2107.7	12.6	2103.9	15	-0.4
Spot 90	31	20506.5	1.760	6.2	0.8	10.1	1.4	0.5	1.10	0.79634	2454.3	22.5	2447.1	12.8	2441.2	14	-0.5
Spot 91	72	47067.6	2.718	7.6	0.7	7.2	1.1	0.4	0.83	0.77058	2178.4	15.4	2142.2	9.6	2107.6	12	-3.4
Spot 92	234	371092.7	1.313	5.4	0.7	13.3	1.3	0.5	1.06	0.83587	2726.6	23.6	2703.8	12.0	2686.9	12	-1.5
Spot 93	96	91368.1	2.703	7.4	0.8	7.3	1.3	0.4	1.05	0.81056	2162.2	19.4	2154.8	11.6	2147.8	13	-0.7
Spot 94	55	59147.4	2.578	7.3	0.7	7.6	1.2	0.4	1.02	0.83378	2212.7	19.1	2187.5	11.0	2163.9	12	-2.3
Spot 95	156	153974.9	2.509	7.5	0.8	7.2	1.3	0.4	1.01	0.79077	2164.2	18.5	2139.9	11.4	2116.7	14	-2.2
Spot 96	277	2272253.5	1.453	7.2	0.5	7.6	0.9	0.4	0.77	0.82390	2170.2	14.2	2183.7	8.4	2196.5	9	1.2
Spot 97	152	112548.6	1.847	5.4	0.5	13.3	1.1	0.5	0.92	0.86658	2705.4	20.4	2700.1	10.1	2696.2	9	-0.3
Spot 98	70	681592.3	1.128	7.8	1.1	6.8	1.6	0.4	1.13	0.70870	2093.5	20.2	2080.1	14.1	2066.8	20	-1.3
Spot 99	206	105054.8	2.045	7.5	0.4	7.4	0.9	0.4	0.77	0.88026	2199.5	14.4	2165.9	7.9	2134.2	7	-3.1
Spot 100	82	72652.7	2.533	7.2	0.8	7.8	1.2	0.4	0.93	0.77205	2227.8	17.6	2213.5	10.9	2200.3	13	-1.2
Spot 101	170	278866.9	1.818	7.7	0.7	6.8	1.2	0.4	1.01	0.80698	2085.1	17.9	2086.2	11.1	2087.3	13	0.1
Spot 102	54	91029.8	0.816	7.6	1.0	6.7	1.5	0.4	1.07	0.72645	2038.7	18.8	2069.9	13.1	2101.0	18	3.0
Spot 103	91	136924.9	2.338	7.4	0.6	7.5	1.2	0.4	0.97	0.83915	2196.1	18.0	2171.1	10.3	2147.5	11	-2.3
Spot 104	186	381575.7	1.252	8.5	0.5	5.6	0.9	0.3	0.76	0.85610	1918.3	12.6	1908.4	7.6	1897.7	8	-1.1
Spot 105	118	46916.5	1.762	7.3	0.9	7.7	1.4	0.4	1.13	0.79692	2235.5	21.4	2200.5	12.8	2168.1	15	-3.1
Spot 106	117	54663.1	1.876	7.1	0.7	7.7	1.3	0.4	1.14	0.85590	2176.3	21.1	2194.9	12.0	2212.3	12	1.6
Spot 107	78	104552.4	1.417	5.4	0.6	13.1	1.0	0.5	0.78	0.81038	2700.7	17.2	2684.2	9.1	2671.9	9	-1.1
Spot 108	266	140094.6	1.935	5.3	0.6	13.1	1.1	0.5	0.92	0.83420	2667.4	20.2	2686.5	10.5	2701.0	10	1.2
Spot 109	268	101586.7	1.799	7.2	0.6	7.6	1.1	0.4	0.90	0.82073	2186.7	16.7	2188.1	9.9	2189.4	11	0.1
Spot 110	83	72482.4	0.871	7.5	0.7	7.2	1.2	0.4	1.01	0.80674	2138.1	18.3	2133.6	11.1	2129.2	13	-0.4

Spot 111	170	107713.2	1.736	7.3	0.7	7.2	1.3	0.4	1.08	0.83227	2116.6	19.5	2138.6	11.6	2159.8	13	2.0
Spot 112	127	171669.9	1.831	7.2	0.7	7.6	1.2	0.4	0.94	0.78410	2188.3	17.5	2190.4	10.8	2192.4	13	0.2
Spot 113	82	211480.1	1.666	3.7	0.7	24.6	1.1	0.7	0.86	0.76271	3279.4	22.2	3294.0	11.0	3302.9	11	0.7
Spot 114	291	103589.3	1.383	7.6	0.5	6.9	1.0	0.4	0.81	0.84954	2101.9	14.6	2102.1	8.5	2102.4	9	0.0
Spot 115	183	97952.3	0.698	7.9	0.7	6.7	1.1	0.4	0.90	0.79949	2100.8	16.1	2072.2	9.9	2043.9	12	-2.8
Spot 116	235	82504.1	1.577	8.5	0.7	5.4	1.0	0.3	0.78	0.76244	1879.6	12.7	1887.6	8.7	1896.4	12	0.9
Spot 117	205	1253730.7	2.911	7.8	0.6	6.7	1.2	0.4	1.01	0.84319	2077.8	17.9	2072.0	10.6	2066.2	11	-0.6
Spot 118	210	82251.3	2.198	5.3	0.7	13.4	1.1	0.5	0.87	0.77865	2715.0	19.2	2710.4	10.5	2707.0	12	-0.3
Spot 119	391	292253.6	1.718	5.3	0.6	13.1	0.9	0.5	0.70	0.77936	2660.9	15.2	2683.9	8.4	2701.3	9	1.5
Spot 120	228	9106363.6	1.677	8.6	0.7	5.4	1.1	0.3	0.91	0.79602	1874.4	14.8	1878.5	9.8	1883.1	12	0.5
Spot 121	312	187756.8	1.979	8.5	0.6	5.4	1.1	0.3	0.92	0.84930	1870.8	14.9	1889.7	9.3	1910.5	10	2.1
Spot 122	132	518379.4	2.257	7.5	0.7	7.2	1.1	0.4	0.84	0.78291	2170.1	15.4	2142.4	9.5	2116.0	12	-2.6
Spot 123	71	63392.1	1.492	5.4	0.6	13.1	1.0	0.5	0.82	0.82580	2704.2	18.2	2684.9	9.4	2670.3	9	-1.3
Spot 124	142	45581.1	3.279	7.5	0.8	7.3	1.4	0.4	1.15	0.83717	2156.7	21.1	2143.1	12.3	2130.0	13	-1.3
Spot 125	133	94448.3	1.935	8.3	0.8	5.9	1.2	0.4	0.87	0.71918	1964.4	14.8	1956.6	10.5	1948.3	15	-0.8
Spot 126	292	116381.9	2.116	8.5	0.7	5.4	1.1	0.3	0.90	0.80979	1886.5	14.8	1890.5	9.6	1894.9	12	0.4
Spot 127	629	275078.9	0.897	7.4	0.5	7.2	0.9	0.4	0.74	0.85364	2118.7	13.4	2137.3	7.8	2155.3	8	1.7
Spot 128	144	169089.9	2.683	7.5	0.6	7.2	1.1	0.4	0.94	0.82283	2133.6	17.1	2134.0	10.2	2134.3	11	0.0
Spot 129	57	120626.4	1.510	4.6	0.7	17.3	1.1	0.6	0.85	0.75670	2943.2	20.0	2951.9	10.8	2957.9	12	0.5
Spot 130	308	307765.0	2.122	5.3	0.7	13.2	1.2	0.5	0.99	0.81390	2668.8	21.6	2697.2	11.5	2718.5	12	1.8
Spot 131	63	62326.0	1.598	7.3	0.7	7.5	1.1	0.4	0.82	0.75746	2168.6	15.2	2167.3	9.7	2166.0	12	-0.1
Spot 132	231	141941.5	1.245	7.5	0.6	7.2	1.1	0.4	0.86	0.80154	2146.2	15.7	2142.1	9.6	2138.1	11	-0.4
Spot 133	117	88513.4	2.352	7.5	0.7	7.2	1.5	0.4	1.29	0.87278	2135.1	23.5	2131.0	13.2	2127.1	13	-0.4
Spot 134	143	159890.9	3.608	7.2	0.6	7.8	1.1	0.4	0.94	0.85245	2222.0	17.7	2207.1	9.9	2193.2	10	-1.3
Spot 135	130	101898.1	1.837	7.5	0.7	7.4	1.2	0.4	0.95	0.82343	2187.3	17.7	2155.2	10.4	2124.7	12	-2.9
Spot 136	197	511166.9	1.730	7.0	0.5	8.0	0.8	0.4	0.65	0.78911	2218.6	12.1	2231.3	7.4	2243.0	9	1.1
Spot 137	241	292606.0	1.853	7.1	0.6	7.8	1.2	0.4	1.02	0.85274	2198.5	19.0	2206.8	10.8	2214.4	11	0.7
Spot 138	259	192772.4	1.499	7.6	0.6	6.9	1.0	0.4	0.83	0.81293	2070.5	14.6	2092.5	9.0	2114.2	10	2.1
Spot 139	135	49321.8	1.107	7.6	0.6	7.0	1.1	0.4	0.95	0.83071	2119.7	17.2	2114.3	10.2	2109.0	11	-0.5
Spot 140	128	23122089.1	1.297	8.6	0.8	5.4	1.2	0.3	0.92	0.76703	1905.6	15.1	1890.5	10.2	1874.0	14	-1.7
Spot 141	104	61971.0	2.307	3.7	0.6	25.0	1.2	0.7	1.06	0.85359	3330.8	27.5	3307.5	12.1	3293.5	10	-1.1
Spot 142	582	414851.9	1.005	7.4	0.6	7.2	1.1	0.4	0.88	0.81265	2116.9	15.8	2136.4	9.6	2155.2	11	1.8
Spot 143	218	1668716.3	4.039	7.6	0.6	7.1	1.1	0.4	0.94	0.83008	2131.1	17.1	2118.6	10.1	2106.5	11	-1.2
Spot 144	67	39402.4	1.888	7.6	0.9	7.2	1.4	0.4	1.08	0.76919	2167.0	19.9	2138.1	12.5	2110.5	16	-2.7
Spot 145	257	362577.4	2.172	5.5	0.6	12.7	1.0	0.5	0.73	0.75255	2648.8	15.9	2658.2	9.2	2665.4	11	0.6
Spot 146	78	97526.3	2.316	8.5	0.7	5.5	1.2	0.3	0.95	0.78601	1903.3	15.6	1906.0	10.4	1909.0	13	0.3
Spot 147	125	145570.0	1.719	7.0	0.7	8.1	1.4	0.4	1.20	0.85803	2243.4	22.7	2240.3	12.6	2237.4	12	-0.3
Spot 148	244	320139.7	2.217	5.3	0.7	13.1	1.0	0.5	0.79	0.75597	2670.3	17.3	2688.7	9.9	2702.5	11	1.2
Spot 149	93	46265.7	1.749	7.5	0.7	7.2	1.3	0.4	1.10	0.83689	2163.3	20.3	2139.2	11.8	2116.1	13	-2.2
Spot 150	293	101685.7	1.255	4.9	0.6	15.4	1.1	0.6	0.91	0.82712	2828.0	20.8	2839.5	10.5	2847.7	10	0.7
Spot 151	240	861158.9	1.769	7.2	0.5	7.7	0.9	0.4	0.70	0.80963	2195.7	13.0	2192.7	7.7	2189.8	9	-0.3
Spot 152	242	115206.6	2.261	5.4	0.7	13.1	1.1	0.5	0.92	0.80532	2678.6	20.1	2688.0	10.8	2695.0	11	0.6
Spot 153	117	118887.8	1.154	7.1	0.8	8.0	1.1	0.4	0.78	0.69944	2245.1	14.8	2228.5	10.0	2213.4	14	-1.4

Spot 154	88	46233.3	2.392	8.6	0.6	5.4	1.0	0.3	0.75	0.77732	1898.0	12.3	1888.7	8.2	1878.6	11	-1.0
Spot 155	246	437854.8	1.285	4.8	0.5	15.4	0.9	0.5	0.73	0.82304	2808.6	16.6	2841.5	8.4	2864.8	8	2.0
Spot 156	137	30913.2	2.901	7.4	0.7	7.3	1.2	0.4	0.97	0.81813	2137.9	17.7	2142.7	10.6	2147.2	12	0.4
Spot 157	88	34861.7	2.196	7.4	0.6	7.2	1.1	0.4	0.92	0.83741	2133.7	16.7	2141.9	9.8	2149.8	10	0.7
Spot 158	300	90787.0	1.733	8.5	0.4	5.4	0.8	0.3	0.68	0.86267	1881.1	11.2	1890.5	6.8	1900.8	7	1.0
Spot 159	226	90345.4	1.848	7.3	0.5	7.6	0.9	0.4	0.71	0.81959	2188.6	13.2	2182.0	7.8	2175.9	9	-0.6
Spot 160	717	6105691.5	2.023	7.3	0.6	7.4	1.3	0.4	1.12	0.88466	2149.7	20.5	2165.2	11.3	2180.0	10	1.4
Spot 161	60	204190.6	1.934	7.3	0.6	7.3	1.2	0.4	1.00	0.85111	2128.6	18.1	2146.2	10.5	2163.1	11	1.6
Spot 162	321	831601.5	1.743	8.5	0.6	5.5	0.9	0.3	0.69	0.75194	1884.4	11.3	1898.6	7.9	1914.2	11	1.6
Spot 163	280	100285.3	2.361	5.4	0.6	13.0	1.0	0.5	0.78	0.78768	2660.5	16.9	2676.9	9.3	2689.3	10	1.1
Spot 164	231	810341.2	2.063	5.4	0.6	13.0	0.9	0.5	0.75	0.80266	2668.1	16.5	2682.8	8.9	2693.9	9	1.0
Spot 165	92	1176461.7	2.030	3.9	0.6	22.2	1.1	0.6	0.90	0.83649	3164.9	22.6	3190.7	10.5	3206.9	9	1.3
Spot 166	218	213809.8	1.759	7.6	0.5	7.0	1.0	0.4	0.82	0.84263	2124.2	14.9	2111.9	8.7	2099.9	9	-1.2
Spot 167	61	58461.4	1.737	7.3	0.7	7.6	1.2	0.4	1.02	0.84151	2210.2	19.1	2186.9	10.9	2165.2	11	-2.1
Spot 168	140	65979.4	2.341	7.6	0.7	7.3	1.0	0.4	0.76	0.74815	2183.0	14.1	2146.7	9.1	2112.1	12	-3.4
Spot 169	103	78024.1	0.916	7.5	0.7	7.4	1.2	0.4	1.04	0.83879	2195.2	19.4	2165.2	11.1	2137.0	12	-2.7
Spot 170	231	181175.3	1.461	7.2	0.7	7.6	1.2	0.4	0.98	0.82956	2161.8	18.0	2179.8	10.6	2196.7	11	1.6
Spot 171	88	64720.8	1.631	7.8	0.6	6.5	1.2	0.4	1.05	0.85063	2032.1	18.3	2044.1	10.9	2056.1	11	1.2
Spot 172	376	428988.9	2.257	5.3	0.7	13.2	1.3	0.5	1.08	0.82816	2668.0	23.7	2691.7	12.4	2709.5	12	1.5
Spot 173	69	185356.0	1.178	5.2	0.6	14.5	1.1	0.6	0.93	0.83956	2837.1	21.4	2786.1	10.5	2749.4	10	-3.2
Spot 174	240	468529.6	2.064	7.5	0.7	7.1	1.2	0.4	1.02	0.82576	2120.0	18.4	2124.5	11.0	2128.8	12	0.4
Spot 175	243	185450.3	1.898	5.3	0.6	13.2	1.2	0.5	0.99	0.85178	2657.2	21.5	2695.7	10.9	2724.6	10	2.5
Spot 176	240	113225.6	1.932	5.4	0.5	13.2	0.7	0.5	0.55	0.75441	2683.8	12.0	2690.6	6.8	2695.7	8	0.4
Spot 177	237	111679.0	2.168	5.3	0.6	13.0	1.2	0.5	0.99	0.84108	2635.1	21.4	2680.9	11.1	2715.6	11	3.0
Spot 178	103	120051.0	2.120	9.0	0.8	4.9	1.3	0.3	1.00	0.79576	1793.8	15.6	1796.5	10.5	1799.6	14	0.3
Spot 179	185	623008.9	3.300	7.5	0.8	7.3	1.2	0.4	0.86	0.72243	2168.6	15.9	2153.7	10.7	2139.4	14	-1.4
Spot 180	397	1137328.5	3.358	4.8	0.7	15.8	1.3	0.6	1.12	0.85951	2838.9	25.6	2865.8	12.4	2884.7	11	1.6
Spot 181	95	72798.9	2.276	7.6	0.8	7.1	1.3	0.4	1.10	0.82151	2130.4	20.0	2122.6	12.0	2115.1	13	-0.7
Spot 182	95	63800.3	0.837	6.1	0.6	10.5	1.0	0.5	0.81	0.78752	2499.0	16.8	2483.6	9.6	2471.1	11	-1.1
Spot 183	371	5967409.7	1.923	5.3	0.5	13.2	1.0	0.5	0.85	0.85411	2651.5	18.5	2690.5	9.4	2720.0	9	2.5
Spot 184	304	204925.5	2.160	3.5	0.6	27.2	1.0	0.7	0.86	0.84061	3378.5	22.5	3389.9	10.0	3396.6	9	0.5
Spot 185	248	492261.3	2.281	7.4	0.6	7.4	0.9	0.4	0.65	0.74894	2166.8	11.9	2155.6	7.7	2144.9	10	-1.0
Spot 186	69	118990.5	2.603	6.9	0.8	8.5	1.3	0.4	1.05	0.78270	2296.3	20.2	2285.7	12.2	2276.3	14	-0.9
Spot 187	144	106328.6	1.386	7.2	0.5	7.8	1.1	0.4	0.91	0.85661	2209.1	17.0	2209.0	9.6	2208.8	10	0.0
Spot 188	595	516765.3	1.465	7.4	0.6	7.0	1.0	0.4	0.79	0.77883	2075.1	14.0	2112.7	9.0	2149.4	11	3.5
Spot 189	43	186429.9	0.771	6.1	0.8	10.8	1.2	0.5	0.97	0.77920	2535.5	20.4	2505.7	11.6	2481.6	13	-2.2
Spot 190	176	284176.8	2.568	5.4	0.7	13.1	1.1	0.5	0.90	0.80234	2705.5	19.8	2690.4	10.6	2679.1	11	-1.0
Spot 191	149	125112.5	2.337	5.5	0.6	12.6	0.9	0.5	0.73	0.77391	2648.3	15.8	2653.5	8.8	2657.5	10	0.3
Spot 192	191	170937.4	1.069	7.5	0.7	6.9	1.1	0.4	0.86	0.79618	2051.4	15.2	2093.3	9.6	2134.7	11	3.9
Spot 193	64	67263.7	0.814	7.6	0.8	7.1	1.2	0.4	0.83	0.70318	2156.5	15.2	2130.0	10.5	2104.6	15	-2.5
Spot 194	199	711886.8	2.182	5.7	0.5	11.9	1.0	0.5	0.84	0.84018	2579.0	17.9	2598.7	9.4	2614.1	9	1.3
Spot 195	185	110456.0	1.421	7.6	0.7	6.9	1.1	0.4	0.85	0.78238	2090.3	15.1	2095.8	9.6	2101.1	12	0.5
Spot 196	78	23343.8	1.335	7.0	0.9	7.7	1.3	0.4	0.91	0.70893	2151.8	16.7	2196.1	11.6	2237.7	16	3.8

Spot 197	242	88072.5	1.763	8.5	0.8	5.5	1.2	0.3	0.87	0.74474	1894.7	14.3	1900.7	10.1	1907.2	14	0.7
Spot 198	142	114047.2	1.316	7.3	0.7	7.8	1.2	0.4	0.98	0.80519	2241.3	18.6	2212.0	11.0	2185.0	13	-2.6
Spot 199	258	354241.3	1.400	7.5	0.5	7.0	1.1	0.4	0.97	0.87127	2106.5	17.5	2116.3	9.9	2125.8	10	0.9
Spot 200	180	111442.2	1.546	7.5	0.7	7.2	1.2	0.4	0.98	0.82127	2138.2	17.9	2137.5	10.7	2136.8	12	-0.1
Spot 201	172	94888.5	1.686	7.5	0.6	7.1	1.2	0.4	0.99	0.85781	2122.8	18.0	2123.3	10.3	2123.8	10	0.0
Spot 202	138	110292.3	1.549	5.4	0.7	13.0	1.3	0.5	1.08	0.83656	2670.8	23.7	2679.9	12.2	2686.8	12	0.6
Spot 203	61	295710.3	3.568	7.4	0.8	7.4	1.3	0.4	1.09	0.81978	2167.4	20.0	2165.6	11.9	2163.9	13	-0.2
Spot 204	238	11174801.6	1.073	7.5	0.5	7.2	0.8	0.4	0.66	0.79018	2142.4	12.0	2137.6	7.4	2133.0	9	-0.4
Spot 205	71	175100.3	1.978	5.3	0.7	13.3	1.1	0.5	0.86	0.78911	2681.4	19.0	2701.8	10.4	2717.1	11	1.3
Spot 206	207	340493.1	2.228	5.4	0.7	13.1	1.2	0.5	0.94	0.79534	2662.2	20.5	2686.1	11.1	2704.1	12	1.6
Spot 207	147	106228.7	4.460	7.0	0.7	8.2	1.3	0.4	1.04	0.82918	2246.9	19.7	2252.0	11.3	2256.5	12	0.4
Spot 208	116	86954.9	1.491	7.7	0.7	6.8	1.3	0.4	1.09	0.84270	2087.9	19.4	2086.3	11.4	2084.7	12	-0.2
Spot 209	159	371035.5	1.683	7.5	0.7	7.3	1.2	0.4	1.00	0.80121	2155.6	18.3	2148.9	11.1	2142.5	13	-0.6
Spot 210	219	858257.9	1.720	8.6	0.6	5.5	1.0	0.3	0.84	0.83442	1897.4	13.8	1896.1	8.6	1894.6	10	-0.1
Spot 211	282	1278334.3	1.918	5.4	0.5	13.1	0.8	0.5	0.65	0.77013	2670.5	14.2	2689.0	7.9	2702.9	9	1.2
Spot 212	186	188032.7	2.605	5.3	0.5	13.0	1.0	0.5	0.83	0.83567	2645.3	18.1	2680.1	9.4	2706.4	9	2.3
Spot 213	326	135284.3	0.643	7.4	0.5	7.3	0.8	0.4	0.61	0.78127	2147.7	11.2	2151.9	7.0	2155.8	9	0.4
Spot 214	196	510550.4	1.407	8.6	0.5	5.5	1.0	0.3	0.86	0.86655	1906.9	14.2	1893.8	8.5	1879.4	9	-1.5
Spot 215	133	113760.4	3.268	7.4	0.6	7.5	1.0	0.4	0.79	0.80250	2186.1	14.7	2174.0	8.9	2162.7	10	-1.1
Spot 216	119	80555.1	2.177	7.5	0.8	7.1	1.4	0.4	1.07	0.78876	2118.4	19.2	2121.4	12.0	2124.4	15	0.3
Spot 217	71	68600.0	1.928	7.3	0.7	7.5	1.1	0.4	0.92	0.81358	2162.1	16.8	2170.9	10.1	2179.3	11	0.8
Spot 218	101	116469.3	2.459	6.9	0.8	8.2	1.4	0.4	1.17	0.82755	2228.1	22.1	2254.8	12.9	2279.1	14	2.2
Spot 219	114	94454.2	0.910	5.3	0.7	13.7	1.3	0.5	1.11	0.85080	2744.2	24.9	2731.1	12.4	2721.4	11	-0.8
Spot 220	188	969906.9	2.278	7.6	0.6	7.0	1.5	0.4	1.34	0.90388	2125.2	24.3	2114.9	13.2	2105.0	11	-1.0
Spot 221	105	99212.3	0.934	8.0	0.6	6.5	1.1	0.4	0.91	0.82742	2077.6	16.1	2052.3	9.7	2027.0	11	-2.5
Spot 222	146	91417.0	2.144	7.3	0.6	7.9	1.1	0.4	0.88	0.81797	2254.6	16.7	2220.6	9.7	2189.4	11	-3.0
Spot 223	235	1592238.0	1.260	4.7	0.5	16.6	1.0	0.6	0.90	0.86687	2908.5	21.1	2914.6	10.0	2918.8	8	0.4
Spot 224	150	55003.9	2.279	7.6	0.8	7.0	1.5	0.4	1.26	0.83601	2106.9	22.7	2106.1	13.4	2105.3	15	-0.1
Spot 225	403	231829.7	1.357	7.2	0.6	7.6	1.2	0.4	0.96	0.83091	2170.7	17.6	2185.6	10.3	2199.6	11	1.3
Spot 226	104	65915.7	2.479	7.5	0.7	7.3	1.1	0.4	0.88	0.77060	2149.8	16.1	2145.1	10.2	2140.6	13	-0.4
Spot 227	177	95521.6	2.064	8.6	0.8	5.4	1.3	0.3	1.04	0.78765	1882.4	16.9	1888.0	11.3	1894.2	15	0.6
Spot 228	93	1468625.3	1.833	8.1	0.7	6.2	1.2	0.4	0.99	0.80614	2001.2	17.0	2001.1	10.7	2001.0	13	0.0
Spot 229	179	102465.1	1.554	8.6	0.7	5.4	1.3	0.3	1.06	0.84174	1902.0	17.5	1891.9	10.8	1880.7	12	-1.1
Spot 230	246	445388.4	1.880	8.6	0.7	5.4	1.1	0.3	0.90	0.81058	1878.1	14.7	1889.0	9.5	1900.9	12	1.2
Spot 231	150	2465201.1	2.160	7.4	0.7	7.4	1.2	0.4	0.94	0.79538	2153.8	17.2	2156.7	10.6	2159.3	12	0.3
Spot 232	214	87589.0	1.699	7.5	0.6	7.2	1.1	0.4	0.95	0.84704	2120.2	17.1	2132.1	10.0	2143.6	10	1.1
Spot 233	440	205865.9	1.577	7.5	0.7	7.0	1.2	0.4	0.99	0.83005	2096.3	17.8	2117.6	10.7	2138.4	12	2.0
Spot 234	215	105047.9	1.701	6.1	0.7	10.3	1.3	0.5	1.08	0.83117	2440.8	22.0	2463.5	12.1	2482.3	12	1.7
Spot 235	163	73713.1	1.773	7.6	0.8	7.0	1.2	0.4	0.91	0.75047	2112.7	16.5	2109.0	10.8	2105.3	14	-0.3
Spot 236	59	90688.7	1.759	7.7	0.6	6.8	1.2	0.4	0.98	0.83291	2076.9	17.3	2086.9	10.4	2096.8	11	0.9
Spot 237	181	143428.0	2.663	5.3	0.7	13.1	1.0	0.5	0.77	0.74618	2646.3	16.7	2684.3	9.7	2713.0	11	2.5
Spot 238	441	262137.7	3.019	7.6	0.7	7.0	1.4	0.4	1.14	0.83789	2114.2	20.6	2115.1	12.1	2115.8	13	0.1
Spot 239	57	36261.1	2.230	6.3	0.8	9.9	1.3	0.5	0.96	0.76015	2420.6	19.4	2421.1	11.7	2421.5	14	0.0

Spot 240	215	130296.6	1.770	7.3	0.8	7.5	1.2	0.4	0.94	0.76045	2155.0	17.2	2167.6	11.1	2179.6	14	1.1
Spot 241	117	1462158.6	1.035	8.0	0.8	6.4	1.5	0.4	1.19	0.81712	2039.1	20.7	2032.8	12.7	2026.4	15	-0.6
Spot 242	268	171115.8	1.980	7.7	0.6	6.9	1.3	0.4	1.08	0.85793	2089.3	19.3	2092.5	11.2	2095.7	11	0.3
Spot 243	173	267671.0	2.653	5.3	0.6	13.7	0.9	0.5	0.73	0.77854	2739.2	16.4	2730.1	8.9	2723.3	10	-0.6
Spot 244	74	49972.3	1.790	6.0	0.6	10.8	0.8	0.5	0.62	0.74118	2509.5	13.0	2507.3	7.8	2505.6	9	-0.2
Spot 245	159	207404.2	1.482	7.6	0.6	7.0	0.9	0.4	0.76	0.80024	2105.5	13.6	2110.3	8.4	2114.8	10	0.4
Spot 246	271	164267.0	0.937	7.6	0.5	7.1	0.9	0.4	0.66	0.77461	2131.0	12.0	2124.0	7.6	2117.2	9	-0.7
Spot 247	150	1780083.4	1.824	5.4	0.6	12.8	1.1	0.5	0.87	0.80773	2634.5	18.8	2663.0	10.1	2684.6	10	1.9
Spot 248	112	68312.0	1.107	7.5	0.7	7.2	1.3	0.4	1.01	0.80423	2140.0	18.4	2136.0	11.2	2132.1	13	-0.4
Spot 249	42	72512.9	2.364	7.2	0.8	7.9	1.3	0.4	1.05	0.79705	2225.1	19.7	2215.0	11.8	2205.6	14	-0.9
Spot 250	67	172061.7	1.853	7.3	0.7	7.5	1.2	0.4	0.91	0.77987	2158.5	16.7	2173.4	10.5	2187.6	13	1.3
Spot 251	87	107659.3	1.781	6.7	0.7	9.0	1.2	0.4	1.00	0.83103	2340.6	19.6	2341.5	11.0	2342.2	11	0.1
Spot 252	54	24537.8	2.163	7.2	0.6	8.0	1.1	0.4	0.91	0.82413	2260.2	17.4	2227.8	10.0	2198.1	11	-2.8
Spot 253	109	91106.6	2.138	7.8	0.8	6.8	1.2	0.4	0.91	0.73479	2087.5	16.2	2080.4	11.0	2073.2	15	-0.7
Spot 254	261	133585.5	2.062	5.4	0.5	13.0	0.8	0.5	0.63	0.81148	2638.0	13.6	2676.2	7.3	2705.2	7	2.5
Spot 255	211	74407.8	2.527	7.3	0.8	7.3	1.3	0.4	1.04	0.78177	2105.8	18.7	2143.0	11.9	2178.9	14	3.4
Spot 256	146	90704.7	3.220	5.0	0.6	14.8	1.0	0.5	0.80	0.81530	2802.5	18.1	2805.6	9.3	2807.8	9	0.2
Spot 257	169	89781.7	2.454	7.3	0.7	7.4	1.1	0.4	0.93	0.80778	2158.3	17.0	2165.1	10.3	2171.5	12	0.6
Spot 258	305	338965.5	2.957	5.4	0.7	13.3	1.1	0.5	0.89	0.79981	2697.6	19.5	2699.2	10.5	2700.4	11	0.1
Spot 259	85	1550760.0	2.311	5.8	0.7	11.3	1.1	0.5	0.88	0.76931	2529.2	18.4	2549.0	10.6	2564.8	12	1.4
Spot 260	184	221939.3	1.254	5.4	0.6	12.7	1.1	0.5	0.93	0.82096	2609.3	20.0	2659.7	10.7	2698.3	11	3.3
Spot 261	148	142016.9	3.557	8.1	0.6	6.3	1.1	0.4	0.92	0.82906	2031.1	16.0	2012.2	9.7	1992.8	11	-1.9
Spot 263	110	41248.2	1.901	7.4	0.9	7.5	1.5	0.4	1.25	0.81746	2169.3	23.0	2167.2	13.7	2165.2	15	-0.2
Spot 265	179	574318.1	2.384	5.5	0.6	12.7	1.2	0.5	1.06	0.86939	2644.0	23.0	2655.6	11.5	2664.5	10	0.8
Spot 266	311	543114.9	1.652	7.6	0.5	7.1	1.3	0.4	1.21	0.91064	2126.9	21.9	2120.4	11.8	2114.1	10	-0.6
Spot 267	248	94455.2	2.270	5.4	0.6	13.1	1.0	0.5	0.78	0.81435	2667.7	17.0	2689.5	9.0	2705.9	9	1.4
Spot 268	94	131699.8	3.022	7.4	0.8	7.4	1.2	0.4	0.91	0.76504	2169.1	16.7	2164.7	10.6	2160.5	13	-0.4
Spot 269	136	61016.2	0.988	7.4	0.6	7.2	1.0	0.4	0.77	0.78814	2121.8	14.0	2139.7	8.8	2156.9	11	1.6
Spot 270	289	187253.2	2.814	7.6	0.5	7.0	0.9	0.4	0.71	0.83061	2108.9	12.7	2107.0	7.6	2105.1	8	-0.2
Spot 271	81	28858577.8	1.933	3.8	0.8	23.8	1.3	0.7	1.09	0.81323	3248.9	27.8	3260.5	13.0	3267.6	12	0.6
Spot 272	114	162852.0	1.648	7.4	0.7	7.4	1.5	0.4	1.28	0.87333	2158.0	23.5	2158.3	13.1	2158.6	12	0.0
Spot 273	197	371751.3	2.024	8.6	0.7	5.4	1.0	0.3	0.78	0.75364	1889.6	12.8	1892.1	8.9	1894.8	12	0.3
Spot 274	189	158219.8	1.868	7.6	0.6	7.1	1.0	0.4	0.85	0.82028	2148.8	15.6	2130.1	9.3	2112.0	10	-1.7
Spot 275	72	38505.2	3.709	7.5	0.7	7.3	1.1	0.4	0.84	0.75147	2180.4	15.5	2154.5	10.0	2130.0	13	-2.4
Spot 276	101	56386.6	2.053	7.2	0.8	7.7	1.1	0.4	0.81	0.72752	2195.9	15.0	2199.4	10.0	2202.6	13	0.3
Spot 277	158	263783.9	2.041	7.4	0.6	7.2	1.0	0.4	0.82	0.80624	2129.9	14.8	2140.2	9.0	2150.0	10	0.9
Spot 278	179	448434.3	1.263	7.2	0.6	7.8	1.0	0.4	0.83	0.80315	2224.8	15.6	2213.6	9.3	2203.3	11	-1.0
Spot 279	70	92999.8	1.837	5.7	0.7	12.0	1.1	0.5	0.86	0.77559	2607.6	18.4	2608.2	10.4	2608.7	12	0.0
Spot 280	327	244035.1	1.781	8.5	0.6	5.6	1.0	0.3	0.79	0.81697	1899.6	13.0	1910.4	8.3	1922.0	10	1.2
Spot 281	144	99019.1	1.342	8.6	0.7	5.6	1.1	0.3	0.83	0.76713	1933.8	13.9	1915.8	9.3	1896.4	12	-2.0
Spot 282	74	46130.4	1.070	8.5	0.7	5.4	1.2	0.3	0.93	0.78738	1850.8	15.0	1877.4	10.1	1906.8	13	2.9
Spot 283	190	313296.3	0.983	7.6	0.7	6.9	1.1	0.4	0.80	0.75654	2088.7	14.3	2102.4	9.4	2115.8	12	1.3
Spot 284	281	105647.1	2.133	8.4	0.6	5.7	1.1	0.3	0.94	0.85805	1931.9	15.7	1936.7	9.5	1941.9	10	0.5

Spot 285	72	102668.9	1.636	5.6	0.8	12.4	1.3	0.5	0.97	0.77486	2634.7	21.0	2632.9	11.8	2631.4	13	-0.1
Spot 286	162	181958.9	3.212	7.4	0.7	7.3	1.0	0.4	0.73	0.70469	2133.7	13.3	2147.8	9.3	2161.2	13	1.3
Spot 287	161	105049.9	1.943	5.5	0.5	13.1	0.9	0.5	0.75	0.82172	2694.8	16.5	2685.7	8.6	2678.8	9	-0.6
Spot 288	120	149831.5	2.186	7.6	0.8	7.1	1.1	0.4	0.79	0.70419	2132.8	14.3	2118.5	9.9	2104.6	14	-1.3
Spot 289	99	250559.4	0.710	5.4	0.6	13.2	1.1	0.5	0.90	0.83993	2696.4	19.8	2696.8	10.1	2697.1	10	0.0
Spot 290	81	215083.0	1.342	8.2	0.8	6.0	1.1	0.4	0.79	0.71620	1968.3	13.3	1972.0	9.5	1975.9	14	0.4
Spot 291	309	453498.3	1.983	5.4	0.7	12.9	1.3	0.5	1.12	0.85597	2629.8	24.2	2668.9	12.4	2698.6	11	2.5
Spot 292	82	52939.1	2.672	7.6	0.6	6.8	1.3	0.4	1.10	0.86915	2061.4	19.4	2085.5	11.2	2109.5	11	2.3
Spot 293	148	135711.3	2.587	8.6	0.6	5.7	1.2	0.4	0.96	0.82967	1961.4	16.2	1931.5	10.0	1899.7	12	-3.2
Spot 294	141	89078.4	1.618	7.3	0.7	7.8	1.1	0.4	0.87	0.78296	2225.1	16.4	2202.7	10.0	2182.0	12	-2.0
Spot 295	272	335368.4	2.260	5.8	0.5	11.5	0.9	0.5	0.79	0.84588	2541.2	16.5	2566.5	8.7	2586.5	8	1.8
Spot 296	218	194629.8	2.590	5.4	0.6	13.3	1.1	0.5	0.95	0.85115	2687.7	20.9	2698.6	10.5	2706.8	10	0.7
Spot 297	469	469133.8	2.060	7.4	0.5	7.1	1.2	0.4	1.05	0.88619	2103.7	18.9	2129.0	10.6	2153.5	10	2.3
Spot 298	87	79162.1	0.838	5.3	0.7	13.2	1.2	0.5	0.94	0.81141	2665.6	20.5	2692.7	10.9	2713.1	11	1.7
Spot 299	328	641937.5	2.069	8.5	0.6	5.5	1.0	0.3	0.83	0.82120	1895.2	13.6	1900.9	8.6	1907.1	10	0.6
Spot 300	237	128779.6	1.918	8.5	0.5	5.5	0.9	0.3	0.71	0.83031	1882.6	11.6	1893.3	7.3	1905.0	9	1.2
Spot 301	173	102225.5	2.092	7.6	0.6	7.1	1.1	0.4	0.89	0.83079	2124.4	16.2	2118.5	9.6	2112.7	11	-0.6
Spot 302	121	104727.7	2.284	5.4	0.8	13.4	1.3	0.5	0.98	0.76927	2722.8	21.9	2707.2	12.1	2695.5	14	-1.0
Spot 303	228	2186936.4	1.167	7.8	0.6	6.5	1.2	0.4	1.05	0.87002	2033.4	18.4	2047.7	10.7	2062.0	11	1.4
Spot 304	93	42072.4	1.854	7.3	0.7	7.7	1.1	0.4	0.89	0.78914	2219.2	16.7	2202.1	10.2	2186.2	12	-1.5
Spot 305	127	69387.9	0.740	5.7	0.5	11.7	0.9	0.5	0.68	0.79983	2559.4	14.4	2581.9	8.0	2599.6	9	1.5
Spot 306	18	20336.9	0.999	6.1	0.9	10.6	1.3	0.5	1.02	0.75461	2500.3	21.1	2491.5	12.5	2484.2	15	-0.6
Spot 307	232	139192.3	1.570	7.2	0.6	7.7	1.2	0.4	1.03	0.85835	2188.7	19.1	2196.1	10.8	2203.1	11	0.7
Spot 308	174	516943.2	0.750	5.4	0.7	13.3	1.3	0.5	1.06	0.84011	2707.8	23.4	2700.0	11.9	2694.2	11	-0.5
Spot 309	175	237737.4	2.217	5.4	0.7	12.9	1.1	0.5	0.80	0.75570	2651.6	17.3	2675.9	9.9	2694.4	11	1.6
Spot 310	182	273115.2	0.499	6.1	0.5	10.6	0.9	0.5	0.75	0.82420	2494.0	15.5	2488.2	8.4	2483.5	9	-0.4
Spot 311	159	1020363.6	1.717	8.6	0.6	5.5	1.0	0.3	0.72	0.75126	1895.9	11.8	1895.2	8.2	1894.3	11	-0.1
Spot 312	80	283402.7	1.485	7.4	0.6	7.2	1.0	0.4	0.81	0.78739	2119.3	14.6	2137.1	9.1	2154.2	11	1.6
Spot 313	173	154734.5	1.691	7.6	0.5	7.1	1.0	0.4	0.83	0.86456	2131.4	15.1	2123.2	8.6	2115.3	8	-0.8
Spot 314	93	24122.2	1.072	7.3	0.9	7.4	1.3	0.4	0.93	0.70917	2156.8	17.1	2164.6	11.8	2172.0	16	0.7
Spot 315	121	110893.7	1.158	6.0	0.6	11.2	1.2	0.5	1.04	0.86524	2555.5	21.9	2543.8	11.2	2534.6	10	-0.8
Run 1 (discordant Nov. 2021)																	
Spot 262	46	31107.5	2.707	7.7	0.9	7.9	1.4	0.4	1.07	0.76606	2339.5	21.1	2215.0	12.6	2101.8	16	-11.3
Spot 264	91	1625.7	1.804	3.2	1.7	32.5	1.9	0.8	0.86	0.44472	3644.3	24.1	3564.1	19.1	3519.3	27	-3.6
Run 2 (Nov.)																	
Spot 9	165	106097.0	2.417	7.5	0.8	7.4	1.4	0.4	1.19	0.84504	2185.4	22.1	2156.5	12.6	2129.1	13	-2.6
Spot 31	169	101376.9	1.570	7.2	0.7	7.9	1.1	0.4	0.93	0.81465	2257.4	17.7	2224.5	10.3	2194.3	11	-2.9
Spot 46	86	39802.8	2.058	7.6	0.6	6.8	1.1	0.4	0.88	0.81348	2072.1	15.6	2084.8	9.6	2097.4	11	1.2
Spot 49	78	31087.3	2.066	7.3	0.8	7.3	1.3	0.4	0.99	0.76424	2124.4	17.8	2145.9	11.5	2166.4	15	1.9
Spot 50	87	35726.1	1.621	8.3	0.8	5.8	1.4	0.4	1.18	0.81703	1943.8	19.7	1940.7	12.4	1937.4	15	-0.3
Spot 51	82	30305.5	1.604	7.2	0.6	7.3	1.1	0.4	0.89	0.83542	2127.5	16.1	2153.4	9.5	2178.2	10	2.3
Spot 53	268	94985.5	1.583	7.3	0.7	7.3	1.3	0.4	1.13	0.85120	2116.8	20.4	2144.8	11.9	2171.6	12	2.5
Spot 66	211	98874.4	1.773	7.6	0.8	6.9	1.6	0.4	1.39	0.87842	2110.2	25.1	2100.9	14.1	2091.8	13	-0.9

Spot 68	192	233898.2	2.411	5.3	0.8	13.1	1.2	0.5	0.93	0.77788	2672.1	20.4	2688.7	11.3	2701.3	12	1.1
Spot 72	160	287960.7	1.663	7.5	0.5	7.5	0.8	0.4	0.65	0.80171	2214.1	12.3	2170.1	7.3	2128.7	9	-4.0
Spot 75	28	19523.9	2.798	6.8	1.0	8.4	1.4	0.4	0.99	0.70347	2256.0	18.8	2270.7	12.8	2284.0	17	1.2
Spot 79	40	52255.1	1.531	7.1	0.6	7.8	1.3	0.4	1.16	0.87277	2219.9	21.8	2212.4	12.0	2205.4	11	-0.7
Spot 84	184	96590.6	2.631	5.4	0.6	13.5	1.2	0.5	1.08	0.87081	2743.7	24.1	2714.6	11.7	2693.0	10	-1.9
Spot 86	108	94207.4	3.052	7.5	0.8	7.1	1.3	0.4	1.07	0.80464	2122.6	19.4	2126.9	11.9	2131.1	14	0.4
Spot 87	258	140554.4	1.565	8.5	0.4	5.6	0.6	0.3	0.49	0.81240	1922.8	8.2	1909.5	5.2	1895.1	6	-1.5
Spot 92	148	150070.0	1.055	5.0	0.6	14.7	1.1	0.5	0.90	0.82722	2768.6	20.2	2799.2	10.3	2821.2	10	1.9
Spot 93	276	992667.6	2.183	5.3	0.6	13.5	1.1	0.5	0.94	0.84939	2714.2	20.9	2711.9	10.5	2710.2	10	-0.1
Spot 111	310	1792606.3	2.205	7.6	0.6	7.2	1.0	0.4	0.81	0.79029	2155.5	14.8	2133.8	9.1	2113.0	11	-2.0
Spot 112	141	68574.6	3.495	7.3	0.7	7.4	1.3	0.4	1.11	0.83776	2163.2	20.3	2162.0	11.8	2160.9	13	-0.1
Spot 113	161	555166.9	1.482	7.6	0.6	7.0	1.2	0.4	0.99	0.84945	2125.1	18.0	2114.9	10.4	2105.0	11	-1.0
Spot 114	158	130028.9	3.810	7.4	0.7	7.0	1.2	0.4	1.01	0.82448	2074.7	17.9	2106.5	10.9	2137.7	12	2.9
Spot 115	46	88177.6	0.837	5.1	0.9	14.2	1.6	0.5	1.30	0.81790	2732.6	28.9	2761.2	15.1	2782.3	15	1.8
Spot 117	215	224977.5	1.534	7.7	0.6	6.8	1.1	0.4	0.94	0.84385	2081.0	16.7	2082.6	9.9	2084.2	11	0.2
Spot 129	100	6589706.3	3.573	7.4	0.8	7.3	1.7	0.4	1.45	0.87110	2147.5	26.5	2145.3	14.9	2143.2	14	-0.2
Spot 130	80	28706.1	1.117	7.4	1.0	7.3	1.4	0.4	1.04	0.72973	2178.2	19.1	2154.1	12.7	2131.2	17	-2.2
Spot 131	144	91346.3	1.916	7.6	0.6	7.0	1.1	0.4	0.96	0.84733	2107.0	17.2	2105.3	10.0	2103.7	11	-0.2
Spot 133	207	203494.7	1.514	7.3	0.4	7.8	0.9	0.4	0.80	0.87440	2239.8	15.2	2203.7	8.3	2170.3	8	-3.2
Spot 134	162	3700101.0	2.395	7.5	0.6	7.1	1.1	0.4	0.92	0.82172	2138.7	16.8	2128.7	10.0	2119.0	11	-0.9
Spot 135	128	99446.5	0.897	5.3	0.7	13.0	1.2	0.5	0.92	0.79972	2629.8	19.9	2676.2	10.9	2711.4	11	3.0
Spot 137	102	39649.4	1.778	8.4	0.9	5.7	1.3	0.4	0.96	0.71064	1935.4	16.0	1926.5	11.6	1916.9	17	-1.0
Spot 138	93	22382.6	2.034	8.2	1.2	6.1	1.4	0.4	0.87	0.60185	2019.6	15.1	1983.9	12.6	1946.9	21	-3.7
Spot 139	60	77561.0	0.790	5.1	0.8	14.6	1.4	0.5	1.10	0.79780	2785.8	24.8	2787.2	13.1	2788.2	14	0.1
Spot 147	265	443110.5	2.203	5.5	0.5	13.0	0.9	0.5	0.70	0.79592	2695.3	15.5	2676.3	8.3	2661.9	9	-1.3
Spot 148	281	160010.6	1.729	4.7	0.4	16.6	0.8	0.6	0.71	0.88088	2914.0	16.6	2911.3	7.7	2909.4	6	-0.2
Spot 152	68	109985.5	3.581	7.5	0.9	6.9	1.4	0.4	1.08	0.76941	2094.6	19.4	2103.6	12.5	2112.3	16	0.8
Spot 153	121	118848.5	2.227	5.4	0.7	13.1	1.3	0.5	1.11	0.83843	2713.5	24.7	2688.7	12.5	2670.0	12	-1.6
Spot 156	88	150594.5	1.463	5.3	0.8	13.4	1.3	0.5	1.06	0.81218	2700.0	23.5	2707.0	12.4	2712.2	13	0.5
Spot 160	231	210612.2	1.561	7.6	0.5	6.9	1.0	0.4	0.83	0.84134	2101.5	14.9	2103.0	8.7	2104.5	9	0.1
Spot 161	327	347289.2	1.130	7.5	0.5	7.1	1.0	0.4	0.82	0.83656	2112.4	14.8	2122.3	8.7	2132.0	9	0.9
Spot 162	255	828170.2	2.120	8.5	0.7	5.6	1.0	0.4	0.75	0.74419	1937.5	12.5	1917.1	8.7	1895.1	12	-2.2
Spot 166	93	152212.6	2.033	7.6	0.6	7.2	1.0	0.4	0.82	0.78550	2174.3	15.1	2140.6	9.3	2108.4	11	-3.1
Spot 167	185	216746.4	1.116	4.9	0.6	15.7	1.1	0.6	0.86	0.80467	2867.7	19.9	2859.9	10.2	2854.4	10	-0.5
Spot 168	180	331954.2	2.026	7.4	0.6	7.5	0.9	0.4	0.69	0.77796	2207.3	12.9	2178.6	8.0	2151.7	10	-2.6
Spot 170	170	54971.1	2.202	5.4	0.8	13.4	1.4	0.5	1.20	0.83170	2746.8	26.7	2705.1	13.6	2674.1	13	-2.7
Spot 174	156	92094.3	2.119	5.3	0.5	13.0	1.2	0.5	1.05	0.89360	2666.1	22.9	2682.2	11.1	2694.4	9	1.0
Spot 175	179	260871.9	1.526	5.4	0.7	13.1	1.4	0.5	1.21	0.88087	2694.5	26.7	2688.8	13.0	2684.6	11	-0.4
Spot 179	186	120814.2	2.108	5.4	0.5	13.6	1.0	0.5	0.82	0.84750	2772.4	18.6	2720.6	9.2	2682.3	9	-3.4
Spot 181	138	55305.5	2.249	7.4	0.8	7.4	1.4	0.4	1.07	0.79467	2175.5	19.8	2155.1	12.1	2135.8	14	-1.9
Spot 182	226	366920.0	1.403	7.7	0.7	6.8	1.1	0.4	0.85	0.77173	2089.8	15.2	2088.0	9.8	2086.3	12	-0.2
Spot 186	60	33237.4	1.447	7.1	1.0	7.7	1.6	0.4	1.23	0.78479	2176.7	22.8	2194.2	14.1	2210.5	17	1.5
Spot 188	106	93047.6	1.993	4.5	0.6	18.0	1.0	0.6	0.84	0.80498	3027.6	20.4	2990.0	10.1	2964.8	10	-2.1

Spot 189	53	115225.7	2.163	7.8	0.9	6.4	1.6	0.4	1.32	0.83195	2017.4	22.8	2037.5	13.9	2057.8	16	2.0
Spot 190	24	39050.5	1.704	4.0	0.9	20.8	1.4	0.6	1.03	0.76056	3093.4	25.4	3130.1	13.2	3153.7	14	1.9
Spot 191	52	32047.0	4.185	7.5	1.0	7.3	1.5	0.4	1.18	0.76311	2197.6	21.9	2150.9	13.8	2106.6	18	-4.3
Spot 193	400	225695.4	1.588	7.5	0.5	6.7	1.0	0.4	0.89	0.87283	2042.3	15.5	2078.0	9.0	2113.5	9	3.4
Spot 196	260	268332.9	1.820	7.4	0.8	7.2	1.3	0.4	1.06	0.79961	2110.0	19.0	2130.8	11.8	2150.8	14	1.9
Spot 197	216	221403.0	2.152	5.5	0.5	12.3	0.9	0.5	0.75	0.80783	2596.7	15.9	2631.3	8.7	2658.0	9	2.3
Spot 198	98	109930.1	1.734	7.3	1.0	7.6	1.5	0.4	1.16	0.76197	2197.6	21.5	2179.9	13.6	2163.3	17	-1.6
Spot 200	164	269845.3	1.961	5.4	0.7	13.2	1.3	0.5	1.10	0.85573	2700.1	24.4	2693.2	12.2	2688.0	11	-0.5
Spot 201	203	229731.5	1.359	4.9	0.5	14.9	0.9	0.5	0.71	0.83610	2786.3	16.1	2808.3	8.1	2824.1	8	1.3
Spot 203	44	14871.5	2.750	7.6	1.0	6.9	1.5	0.4	1.01	0.68190	2123.9	18.3	2104.0	13.2	2084.6	19	-1.9
Spot 205	49	45828.7	1.078	7.6	0.9	6.6	1.6	0.4	1.29	0.80661	2040.9	22.6	2063.9	14.1	2086.9	17	2.2
Spot 217	117	87159.5	0.753	6.1	0.7	10.6	1.3	0.5	1.09	0.85491	2506.7	22.7	2488.6	11.9	2473.8	11	-1.3
Spot 219	130	258792.7	0.967	7.3	0.5	7.5	0.9	0.4	0.74	0.82641	2171.0	13.5	2174.1	8.0	2177.1	9	0.3
Spot 224	152	678548.1	1.416	7.4	0.6	7.3	1.0	0.4	0.89	0.85025	2161.7	16.3	2152.6	9.3	2144.0	10	-0.8
Spot 226	225	153427.2	1.388	8.5	0.5	5.6	1.1	0.4	0.94	0.89108	1936.6	15.7	1917.7	9.1	1897.2	9	-2.1
Spot 227	40	21903.8	2.344	7.4	0.9	7.6	1.3	0.4	0.88	0.69841	2221.5	16.6	2182.2	11.3	2145.4	16	-3.5
Spot 232	223	201532.8	1.218	5.6	0.5	12.2	1.0	0.5	0.84	0.83781	2609.0	18.0	2617.7	9.4	2624.5	9	0.6
Spot 233	105	49602.3	3.599	7.5	0.8	7.2	1.5	0.4	1.27	0.85609	2163.4	23.4	2140.3	13.3	2118.2	13	-2.1
Spot 234	84	33273.2	2.902	6.9	0.6	8.3	1.0	0.4	0.86	0.82562	2261.2	16.3	2259.4	9.4	2257.8	10	-0.2
Spot 235	66	35721.1	1.611	7.3	0.8	7.1	1.4	0.4	1.20	0.84469	2072.2	21.3	2125.0	12.7	2176.5	13	4.8
Spot 236	109	45689.9	3.518	7.5	0.6	7.1	1.1	0.4	0.89	0.84536	2122.8	16.1	2125.7	9.4	2128.4	10	0.3
Spot 238	228	102270.6	2.162	7.4	0.7	7.4	1.4	0.4	1.24	0.88096	2166.2	22.9	2154.9	12.6	2144.2	12	-1.0
Spot 239	55	233685.0	0.926	5.2	0.8	13.9	1.5	0.5	1.30	0.84632	2733.4	29.0	2743.0	14.6	2750.1	13	0.6
Spot 241	246	136823.8	2.008	5.3	0.6	13.0	1.0	0.5	0.75	0.77326	2657.6	16.4	2681.7	9.2	2699.9	10	1.6
Spot 242	235	694138.2	2.092	5.3	0.7	13.1	1.1	0.5	0.87	0.80031	2653.5	18.9	2688.9	10.2	2715.6	11	2.3
Spot 251	92	71635.0	2.134	7.4	0.9	7.4	1.3	0.4	0.87	0.69142	2170.2	16.1	2159.2	11.3	2148.7	16	-1.0
Spot 253	134	285495.7	0.888	7.4	0.6	7.3	1.2	0.4	1.03	0.85290	2159.2	18.8	2147.2	10.8	2135.8	11	-1.1
Spot 254	91	107893.5	1.028	7.9	0.9	6.6	1.3	0.4	0.90	0.71626	2086.2	16.1	2057.8	11.1	2029.5	16	-2.8
Spot 256	398	564209.1	0.773	7.5	0.9	6.9	1.5	0.4	1.20	0.79556	2073.3	21.3	2097.9	13.4	2122.0	16	2.3
Spot 257	215	127291.6	0.983	7.5	0.7	7.2	1.1	0.4	0.87	0.77306	2158.0	15.9	2140.8	10.0	2124.3	12	-1.6
Spot 258	91	91841.2	0.950	5.3	0.6	14.1	1.0	0.5	0.79	0.81291	2813.9	18.1	2756.1	9.3	2714.1	9	-3.7
Spot 260	30	14471.1	0.675	7.6	1.1	6.6	1.5	0.4	0.95	0.62864	2050.3	16.7	2064.4	13.3	2078.6	21	1.4
Spot 261	80	93938.5	1.814	7.2	0.9	7.7	1.5	0.4	1.20	0.80896	2198.3	22.4	2194.5	13.3	2190.9	15	-0.3
Spot 262	153	84477.5	0.804	7.9	0.6	6.5	1.6	0.4	1.44	0.91574	2040.1	25.2	2040.2	13.9	2040.4	11	0.0
Spot 263	215	95319.9	2.283	5.2	0.9	13.4	1.6	0.5	1.32	0.83090	2685.3	29.0	2709.4	15.0	2727.4	15	1.5
Spot 264	221	114232.6	2.136	5.0	0.7	14.5	1.1	0.5	0.93	0.81950	2757.3	20.9	2780.6	10.8	2797.5	11	1.4
Spot 265	146	89398.8	1.954	5.5	0.6	13.0	0.9	0.5	0.64	0.74738	2703.5	14.2	2677.9	8.1	2658.6	9	-1.7
Spot 267	174	151789.4	2.052	5.4	0.4	13.1	0.8	0.5	0.68	0.85052	2683.0	14.9	2684.8	7.5	2686.2	7	0.1
Spot 268	138	122016.3	2.015	5.4	0.4	13.6	0.8	0.5	0.71	0.85372	2754.1	16.0	2720.0	7.9	2694.8	7	-2.2
Spot 269	129	260562.4	2.331	5.1	0.6	14.7	1.2	0.6	1.06	0.87279	2835.4	24.4	2798.5	11.6	2771.9	10	-2.3
Spot 270	219	254832.5	2.026	5.4	0.5	13.3	0.8	0.5	0.66	0.81578	2717.3	14.6	2703.7	7.6	2693.5	8	-0.9
Spot 271	193	140787.6	2.434	5.4	0.6	12.4	1.3	0.5	1.16	0.87486	2574.9	24.7	2635.9	12.5	2683.1	11	4.0
Spot 278	101	93833.2	2.999	7.5	0.8	7.0	1.5	0.4	1.32	0.85420	2102.4	23.6	2116.5	13.7	2130.3	14	1.3

Spot 280	168	80516.9	3.336	7.5	0.8	7.0	1.3	0.4	1.10	0.82597	2094.2	19.7	2107.4	11.8	2120.4	13	1.2
Spot 283	232	138929.3	1.404	3.8	0.7	22.5	1.2	0.6	0.98	0.83013	3142.1	24.3	3203.7	11.4	3242.5	10	3.1
Spot 284	190	90428.2	2.120	5.4	0.7	13.4	1.3	0.5	1.07	0.84563	2727.4	23.8	2706.4	12.0	2690.8	11	-1.4
Spot 286	156	70265.7	2.862	7.6	1.1	7.2	1.7	0.4	1.33	0.77410	2188.4	24.6	2137.6	15.3	2089.1	19	-4.8
Spot 288	69	441759.9	1.620	7.6	0.6	7.1	1.0	0.4	0.82	0.82178	2139.6	14.8	2123.0	8.8	2107.1	10	-1.5
Spot 289	255	909599.6	1.064	3.5	0.3	26.4	0.7	0.7	0.62	0.87311	3339.2	16.3	3361.1	7.0	3374.2	5	1.0
Spot 290	328	223371.0	1.849	8.5	0.5	5.6	1.0	0.3	0.88	0.86136	1929.2	14.8	1912.5	8.8	1894.5	9	-1.8
Spot 291	402	304900.0	1.555	7.4	0.6	7.2	0.9	0.4	0.74	0.78232	2127.0	13.4	2137.3	8.4	2147.1	10	0.9
Spot 292	208	7088290.4	2.233	5.9	0.7	10.8	1.4	0.5	1.15	0.84722	2473.5	23.6	2506.3	12.6	2532.9	12	2.3
Spot 293	129	57942.1	1.881	8.2	0.7	5.8	1.3	0.4	1.10	0.83035	1937.2	18.3	1950.1	11.4	1963.7	13	1.3
Spot 297	235	98585.4	0.954	7.8	0.4	6.5	0.8	0.4	0.76	0.90324	2042.7	13.3	2043.7	7.4	2044.6	6	0.1
Spot 298	150	72769.2	1.538	8.4	0.7	5.7	1.1	0.4	0.91	0.79348	1950.3	15.2	1930.9	9.9	1910.1	12	-2.1
Spot 299	141	277878.0	2.193	5.5	0.8	12.7	1.4	0.5	1.14	0.83402	2663.2	24.8	2656.9	12.8	2652.1	12	-0.4
Spot 300	131	43410.4	2.580	7.5	0.5	7.4	0.8	0.4	0.59	0.77739	2198.6	11.0	2156.2	6.8	2116.0	8	-3.9
Spot 302	55	31144.7	1.659	5.3	0.7	13.1	1.1	0.5	0.85	0.77222	2679.0	18.7	2688.8	10.4	2696.2	12	0.6
Spot 308	240	102689.5	1.627	8.6	0.8	5.4	1.2	0.3	0.91	0.76014	1879.4	14.9	1880.7	10.3	1882.2	14	0.1
Spot 310	65	48499.8	2.162	7.3	0.6	7.5	1.1	0.4	0.95	0.82538	2189.5	17.6	2175.5	10.3	2162.4	11	-1.3
Spot 311	251	138639.3	1.968	5.8	0.6	11.1	0.9	0.5	0.72	0.76333	2506.9	14.9	2531.9	8.8	2552.1	10	1.8
Spot 312	129	109425.0	2.195	5.5	0.7	12.3	1.3	0.5	1.12	0.85691	2623.0	24.0	2629.9	12.2	2635.2	11	0.5
Spot 314	246	156444.2	2.628	7.5	0.7	7.2	1.3	0.4	1.04	0.81161	2137.8	18.9	2134.5	11.4	2131.4	13	-0.3
Spot 315	167	143545.7	2.441	5.4	0.7	13.2	1.5	0.5	1.31	0.87200	2695.3	28.8	2694.5	14.1	2694.0	12	0.0
Run 2 Rora Med discordant (Nov. 2021)																	
Spot 132	105	108601.0	0.872	8.0	0.6	6.8	1.1	0.4	0.86	0.80133	2158.3	15.7	2088.2	9.5	2019.8	11	-6.9
Spot 136	1	3000.0	0.432	5.1	1.0	31.5	1.2	1.2	0.60	0.51448	4989.8	20.8	3535.1	11.5	2789.6	16	-78.9
Spot 252	105	59896.9	1.789	8.6	0.6	5.8	1.1	0.4	0.90	0.82815	2001.1	15.4	1947.2	9.4	1890.5	11	-5.9
Spot 309	147	179820.7	0.969	7.6	0.6	7.5	1.0	0.4	0.77	0.77551	2247.9	14.5	2178.9	8.9	2114.5	11	-6.3
Run 1 (Sept. 2022)																	
Erin-RM/	66	32881.2	2.082	7.1	0.5	8.0	0.8	0.4	0.57	0.72398	2243.9	10.9	2226.1	7.1	2209.8	9	-1.546
Erin-RM/	174	63966.3	2.164	5.3	0.4	13.2	0.7	0.5	0.56	0.80122	2682.5	12.2	2691.4	6.6	2698.0	7	0.575
Erin-RM/	44	23668.3	0.719	7.5	0.7	7.1	1.0	0.4	0.66	0.67747	2136.9	12.0	2126.7	8.7	2116.9	13	-0.944
Erin-RM/	170	57979.6	1.974	7.6	0.5	7.0	0.8	0.4	0.57	0.74801	2136.1	10.3	2115.9	6.7	2096.3	9	-1.897
Erin-RM/	51	120006.0	1.925	7.1	0.5	7.7	0.9	0.4	0.66	0.77193	2187.8	12.3	2199.8	7.7	2211.0	9	1.052
Erin-RM/	110	154142.2	1.055	5.6	0.5	12.4	0.8	0.5	0.61	0.75219	2643.9	13.3	2634.4	7.7	2627.1	9	-0.638
Erin-RM/	8	23687.8	3.533	7.0	1.2	7.3	1.6	0.4	0.99	0.62915	2046.4	17.3	2145.0	14.0	2240.8	21	8.674
Erin-RM/	28	37281.1	0.963	7.5	0.7	6.9	0.9	0.4	0.59	0.62210	2075.3	10.4	2092.7	8.4	2109.9	13	1.641
Erin-RM/	171	45984.0	2.018	6.0	0.4	10.7	0.8	0.5	0.61	0.80912	2474.3	12.6	2496.4	7.1	2514.4	8	1.593
Erin-RM/	98	119714.5	1.817	7.1	0.6	8.0	0.9	0.4	0.68	0.77850	2256.3	13.0	2233.0	7.9	2211.7	10	-2.014
Erin-RM/	72	179747.8	2.908	6.0	0.5	10.7	0.8	0.5	0.60	0.74864	2491.0	12.3	2494.0	7.4	2496.5	9	0.219
Erin-RM/	171	42251.5	2.295	7.3	0.5	7.6	0.8	0.4	0.58	0.73991	2199.8	10.8	2188.1	7.0	2177.2	9	-1.038
Erin-RM/	73	35853.9	2.550	7.4	0.7	7.2	1.0	0.4	0.75	0.74323	2142.8	13.7	2139.0	9.0	2135.3	12	-0.353
Erin-RM/	169	65450.9	2.184	5.3	0.4	13.3	0.8	0.5	0.67	0.85199	2694.5	14.8	2697.8	7.4	2700.2	7	0.211
Erin-RM/	170	56887.0	1.948	6.9	0.5	8.3	0.8	0.4	0.63	0.80257	2244.8	11.9	2259.2	7.1	2272.1	8	1.201
Erin-RM/	252	94154.2	2.176	5.3	0.4	13.2	0.7	0.5	0.58	0.82976	2680.5	12.8	2695.1	6.6	2706.0	6	0.942

Erin-RM/	62	101449.6	2.372	7.2	0.5	7.5	0.7	0.4	0.52	0.73738	2162.5	9.6	2178.0	6.4	2192.6	8	1.374
Erin-RM/	209	133277.5	1.315	7.6	0.5	7.0	0.8	0.4	0.61	0.75624	2130.2	11.0	2114.0	7.2	2098.3	9	-1.522
Erin-RM/	80	330801.6	2.054	7.3	0.5	7.6	0.8	0.4	0.61	0.76958	2207.8	11.4	2189.7	7.1	2172.8	9	-1.615
Erin-RM/	177	63190.1	1.768	5.0	0.4	15.2	0.7	0.6	0.58	0.84915	2845.5	13.3	2830.0	6.5	2819.0	6	-0.94
Erin-RM/	253	111243.9	2.209	5.3	0.4	13.2	0.7	0.5	0.60	0.84218	2691.1	13.1	2697.6	6.7	2702.4	6	0.419
Erin-RM/	124	66334.0	2.017	7.2	0.5	7.5	0.8	0.4	0.58	0.76011	2158.6	10.6	2174.5	6.8	2189.6	9	1.415
Erin-RM/	85	1684836.1	1.718	7.3	0.5	7.6	0.8	0.4	0.64	0.78664	2197.5	11.9	2182.5	7.3	2168.4	9	-1.339
Erin-RM/	117	220135.1	1.524	7.3	0.5	7.5	0.7	0.4	0.55	0.74466	2171.2	10.2	2168.5	6.7	2165.8	9	-0.25
Erin-RM/	103	57280.2	1.666	7.4	0.5	7.4	0.9	0.4	0.73	0.83984	2181.0	13.5	2158.1	7.8	2136.4	8	-2.089
Erin-RM/	119	51775.8	5.137	7.6	0.6	7.1	1.1	0.4	0.88	0.82163	2146.3	16.0	2121.5	9.5	2097.5	11	-2.329
Erin-RM/	11	19386.3	1.186	7.5	1.3	7.2	1.8	0.4	1.15	0.64978	2167.8	21.2	2137.0	15.8	2107.6	24	-2.855
Erin-RM/	419	96211.2	1.043	7.1	0.4	7.7	0.7	0.4	0.59	0.84027	2194.4	11.0	2201.1	6.4	2207.4	7	0.585
Erin-RM/	75	31961.0	2.519	6.7	1.0	8.6	1.3	0.4	0.78	0.61142	2266.8	14.8	2296.0	11.6	2322.0	17	2.379
Erin-RM/	175	44776.3	2.057	8.5	0.6	5.5	0.9	0.3	0.65	0.75100	1919.6	10.7	1906.4	7.4	1892.1	10	-1.452
Erin-RM/	160	288690.1	3.738	5.3	0.5	12.5	0.7	0.5	0.57	0.76032	2546.8	12.0	2645.9	7.0	2722.7	8	6.459
Erin-RM/	35	57389.1	1.394	7.1	0.9	7.7	1.1	0.4	0.63	0.58179	2187.9	11.7	2201.2	9.7	2213.6	15	1.16
Erin-RM/	278	394493.4	1.414	7.6	0.4	7.0	0.7	0.4	0.56	0.79749	2112.5	10.0	2105.8	6.2	2099.2	7	-0.631
Erin-RM/	212	147307.3	2.867	8.5	0.5	5.5	0.9	0.3	0.71	0.82182	1904.2	11.6	1901.2	7.4	1897.9	9	-0.334
Erin-RM/	129	58003.8	2.368	7.4	0.4	7.1	0.8	0.4	0.65	0.82292	2100.0	11.6	2123.4	7.0	2146.1	8	2.146
Erin-RM/	101	24759.2	1.919	7.4	0.5	7.3	0.9	0.4	0.72	0.82205	2142.1	13.2	2143.9	7.8	2145.6	9	0.16
Erin-RM/	121	27692.1	2.437	6.9	0.5	8.5	0.8	0.4	0.62	0.76765	2310.4	12.0	2287.4	7.3	2266.9	9	-1.918
Erin-RM/	83	51692.7	1.683	8.1	0.6	6.1	0.8	0.4	0.45	0.60472	1988.8	7.8	1986.7	6.5	1984.5	11	-0.217
Erin-RM/	170	103048.8	3.949	6.0	0.5	10.1	0.8	0.4	0.53	0.69985	2372.5	10.6	2448.0	7.1	2511.3	9	5.528
Erin-RM/	112	33846.1	1.886	7.6	0.6	6.9	0.9	0.4	0.66	0.75910	2095.0	11.8	2098.9	7.7	2102.7	10	0.366
Erin-RM/	130	75330.4	2.526	6.8	0.3	8.6	0.6	0.4	0.46	0.79943	2296.7	8.9	2292.5	5.2	2288.8	6	-0.345
Erin-RM/	122	43094.8	0.516	4.7	0.4	16.3	0.8	0.6	0.65	0.85494	2894.0	15.2	2893.3	7.3	2892.8	6	-0.042
Erin-RM/	213	56887.4	4.796	7.5	0.5	7.3	0.7	0.4	0.54	0.76093	2158.9	9.9	2143.4	6.4	2128.5	8	-1.427
Erin-RM/	667	88432.6	9.635	7.4	0.4	7.0	1.0	0.4	0.94	0.90491	2082.3	16.8	2111.2	9.2	2139.6	8	2.679
Erin-RM/	68	42637.5	3.278	7.4	0.5	7.3	0.8	0.4	0.56	0.74406	2165.4	10.3	2149.1	6.7	2133.5	9	-1.496
Erin-RM/	294	102296.9	1.743	5.3	0.4	13.3	0.8	0.5	0.69	0.88897	2687.3	15.1	2702.3	7.3	2713.5	6	0.966
Erin-RM/	40	10836.4	2.047	7.4	0.6	7.0	0.9	0.4	0.56	0.63533	2105.0	10.1	2115.9	7.8	2126.6	12	1.018
Erin-RM/	74	86621.2	1.653	7.6	0.6	7.2	0.7	0.4	0.39	0.55864	2173.6	7.1	2133.9	6.2	2095.9	10	-3.707
Erin-RM/	30	5824.5	2.952	7.2	0.7	7.3	1.0	0.4	0.70	0.69517	2144.0	12.8	2153.3	9.0	2162.2	13	0.841
Erin-RM/	161	160784.9	2.206	7.5	0.5	7.0	0.9	0.4	0.72	0.81333	2100.0	12.9	2105.9	7.8	2111.6	9	0.551
Erin-RM/	111	1779587.4	2.039	7.6	0.6	7.0	0.8	0.4	0.51	0.62448	2123.6	9.3	2108.9	7.3	2094.5	11	-1.389
Erin-RM/	77	64386.4	2.476	7.3	0.5	7.3	0.8	0.4	0.61	0.74862	2140.3	11.2	2151.6	7.3	2162.5	9	1.03
Erin-RM/	198	599457.1	1.633	8.5	0.4	5.5	0.7	0.3	0.54	0.78629	1893.6	8.9	1897.8	5.9	1902.3	8	0.459
Erin-RM/	362	113979.0	1.532	7.4	0.5	7.2	0.8	0.4	0.62	0.79245	2133.2	11.3	2138.4	7.0	2143.3	8	0.468
Erin-RM/	41	30524.1	1.964	7.2	0.7	7.8	1.0	0.4	0.67	0.68694	2226.6	12.5	2203.5	8.7	2182.0	12	-2.048
Erin-RM/	302	526214.1	1.101	7.6	0.5	6.9	0.8	0.4	0.67	0.80898	2079.2	11.8	2094.4	7.3	2109.4	8	1.435
Erin-RM/	197	76501.5	2.458	5.3	0.5	13.3	0.7	0.5	0.55	0.77102	2702.0	12.0	2703.3	6.7	2704.3	7	0.086
Erin-RM/	161	59019.9	0.957	7.5	0.5	7.0	0.7	0.4	0.51	0.71501	2109.7	9.1	2113.9	6.3	2118.0	9	0.396
Erin-RM/	128	87931.7	1.530	7.4	0.4	7.4	0.8	0.4	0.63	0.82599	2162.3	11.6	2156.4	6.8	2150.8	8	-0.534

Erin-RM/	144	52640.8	2.032	7.5	0.5	6.8	0.8	0.4	0.59	0.74411	2059.0	10.5	2087.7	7.1	2116.2	9	2.699
Erin-RM/	179	70412.6	1.205	5.0	0.5	14.7	0.8	0.5	0.62	0.76837	2789.3	14.1	2797.3	7.7	2803.0	8	0.491
Erin-RM/	176	470330.5	1.465	7.6	0.4	7.1	0.7	0.4	0.53	0.77472	2143.8	9.6	2126.3	6.1	2109.5	8	-1.629
Erin-RM/	195	184698.3	1.174	5.5	0.5	12.4	0.8	0.5	0.55	0.72693	2622.2	11.9	2633.5	7.1	2642.2	9	0.757
Erin-RM/	96	82759.9	1.941	7.3	0.5	7.4	0.8	0.4	0.57	0.73773	2146.5	10.4	2159.2	6.9	2171.2	9	1.137
Erin-RM/	76	58014.1	2.567	7.4	0.8	7.3	1.1	0.4	0.73	0.69549	2135.2	13.3	2147.5	9.4	2159.2	13	1.108
Erin-RM/	229	133354.6	2.241	5.3	0.5	13.3	0.8	0.5	0.65	0.80590	2692.7	14.3	2698.4	7.6	2702.7	8	0.37
Erin-RM/	23	91982.0	0.994	7.3	1.1	7.6	1.3	0.4	0.61	0.48611	2201.9	11.4	2184.2	11.3	2167.6	19	-1.586
Erin-RM/	118	36529.3	3.134	7.6	0.5	6.9	0.7	0.4	0.48	0.69535	2106.5	8.7	2098.7	6.2	2091.2	9	-0.733
Erin-RM/	115	5399124.2	1.979	7.4	0.5	7.3	0.7	0.4	0.56	0.77255	2162.6	10.3	2152.3	6.5	2142.4	8	-0.945
Erin-RM/	200	364804.0	2.056	8.5	0.6	5.5	0.9	0.3	0.69	0.76319	1892.9	11.3	1903.0	7.8	1914.1	10	1.106
Erin-RM/	88	59259.7	1.223	5.4	0.6	13.3	1.0	0.5	0.77	0.79211	2734.8	17.2	2700.9	9.2	2675.5	10	-2.217
Erin-RM/	206	203812.0	2.378	5.3	0.5	13.4	0.8	0.5	0.66	0.80849	2709.3	14.7	2708.1	7.8	2707.2	8	-0.078
Erin-RM/	247	51223.5	3.727	7.5	0.4	7.1	0.8	0.4	0.63	0.83382	2124.2	11.4	2125.5	6.7	2126.8	7	0.123
Erin-RM/	107	33342.6	2.616	7.2	0.4	7.9	0.7	0.4	0.58	0.81721	2238.2	10.9	2216.4	6.4	2196.4	7	-1.903
Erin-RM/	55	84667.1	1.421	5.5	0.5	12.4	0.9	0.5	0.68	0.77869	2614.8	14.5	2638.5	8.2	2656.7	9	1.58
Erin-RM/	16	14348.8	0.646	6.7	0.9	8.7	1.3	0.4	0.98	0.74073	2301.5	19.0	2306.2	12.1	2310.3	15	0.378
Erin-RM/	69	24035.2	1.258	8.2	0.5	5.8	0.9	0.4	0.71	0.82429	1937.3	11.8	1945.2	7.4	1953.7	9	0.84
Erin-RM/	200	54130.2	1.805	7.2	0.5	7.7	0.8	0.4	0.64	0.79386	2198.1	11.8	2199.6	7.2	2201.1	8	0.135
Erin-RM/	65	25787.4	2.442	4.5	0.5	17.7	0.9	0.6	0.74	0.81810	2938.6	17.6	2971.2	8.7	2993.3	8	1.828
Erin-RM/	112	184678.2	3.715	7.5	0.4	7.4	0.7	0.4	0.52	0.79277	2199.8	9.8	2165.0	5.9	2132.2	7	-3.169
Erin-RM/	168	77882.6	2.642	4.2	0.5	19.3	0.9	0.6	0.76	0.82694	3030.8	18.5	3058.2	8.9	3076.2	8	1.478
Erin-RM/	138	217612.7	2.152	7.5	0.5	7.2	0.8	0.4	0.63	0.77763	2146.9	11.6	2138.5	7.3	2130.4	9	-0.776
Erin-RM/	152	71122.4	1.806	8.2	0.5	6.0	0.7	0.4	0.53	0.75048	1964.8	9.0	1969.7	6.2	1974.8	8	0.506
Erin-RM/	133	37764.5	1.905	8.2	0.5	6.0	0.8	0.4	0.65	0.78597	1989.7	11.1	1980.8	7.2	1971.5	9	-0.922
Erin-RM/	104	48700.9	1.426	7.3	0.4	7.4	0.7	0.4	0.58	0.79683	2160.7	10.7	2165.3	6.5	2169.7	8	0.412
Erin-RM/	219	270127.6	2.350	5.3	0.4	13.3	0.7	0.5	0.61	0.82785	2691.8	13.3	2704.0	6.9	2713.1	7	0.788
Erin-RM/	136	77111.5	3.682	6.1	0.4	10.6	0.7	0.5	0.50	0.76957	2477.0	10.3	2484.6	6.1	2490.8	7	0.554
Erin-RM/	37	43569.1	1.872	7.1	0.6	7.6	1.0	0.4	0.79	0.79663	2161.5	14.6	2189.1	9.0	2215.0	10	2.417
Erin-RM/	106	55229.0	2.505	7.5	0.5	7.2	1.0	0.4	0.91	0.89028	2153.0	16.6	2141.9	9.1	2131.2	8	-1.023
Erin-RM/	201	66642.0	0.830	7.8	0.5	6.5	0.8	0.4	0.69	0.82204	2033.3	12.0	2042.2	7.4	2051.3	8	0.874
Erin-RM/	272	246182.2	2.239	5.3	0.4	13.4	0.7	0.5	0.52	0.76978	2696.0	11.5	2707.7	6.4	2716.5	7	0.755
Erin-RM/	169	205736.8	1.376	7.5	0.5	7.1	0.7	0.4	0.53	0.75456	2126.5	9.6	2122.5	6.3	2118.6	8	-0.372
Erin-RM/	198	825521.8	2.151	7.4	0.4	7.3	0.7	0.4	0.54	0.80551	2137.5	9.9	2147.0	6.0	2156.2	7	0.867
Erin-RM/	94	256569.2	3.061	7.4	0.5	7.4	0.8	0.4	0.62	0.75199	2150.9	11.4	2156.0	7.4	2160.8	10	0.456
Erin-RM/	124	1720606.5	2.954	4.2	0.4	20.0	0.8	0.6	0.62	0.82157	3066.6	15.1	3092.5	7.3	3109.4	7	1.375
Erin-RM/	167	163883.1	0.900	7.8	0.5	6.5	0.8	0.4	0.64	0.81712	2026.4	11.2	2041.4	6.9	2056.7	8	1.473
Erin-RM/	115	131063.3	1.324	5.0	0.5	14.7	0.8	0.5	0.67	0.82200	2761.6	15.0	2793.9	7.7	2817.2	8	1.974
Erin-RM/	146	2520210.1	2.065	8.6	0.5	5.4	0.8	0.3	0.60	0.78706	1878.3	9.7	1884.7	6.5	1891.7	8	0.711
Erin-RM/	110	57964.6	1.351	4.2	0.5	20.5	0.8	0.6	0.59	0.75305	3152.6	14.7	3113.5	7.6	3088.3	8	-2.079
Erin-RM/	54	24778.4	1.770	7.3	0.6	7.4	0.8	0.4	0.50	0.64312	2142.0	9.0	2161.8	6.9	2180.7	10	1.775
Erin-RM/	37	12659.0	3.716	7.5	0.8	7.0	1.2	0.4	0.95	0.76953	2097.1	16.9	2111.3	10.9	2125.1	14	1.314
Erin-RM/	55	43671.5	1.677	7.3	0.6	7.5	1.0	0.4	0.75	0.76331	2187.5	14.0	2177.1	8.9	2167.2	11	-0.936

Erin-RM/	123	164911.7	0.837	7.6	0.5	6.8	0.8	0.4	0.61	0.76354	2067.8	10.8	2089.5	7.1	2110.8	9	2.037
Erin-RM/	134	51983.5	1.862	7.5	0.6	7.4	0.9	0.4	0.63	0.72244	2194.0	11.8	2157.8	7.9	2123.5	11	-3.319
Erin-RM/	127	743970.5	2.388	5.0	0.4	15.3	0.9	0.6	0.76	0.87897	2848.6	17.5	2835.6	8.3	2826.4	7	-0.788
Erin-RM/	98	52434.7	2.457	7.6	0.5	7.0	0.8	0.4	0.71	0.83877	2132.0	12.9	2117.4	7.6	2103.2	8	-1.371
Erin-RM/	67	58566.4	1.213	5.3	0.6	13.6	0.9	0.5	0.58	0.66655	2742.3	12.9	2723.2	8.2	2709.1	11	-1.227
Erin-RM/	281	49273.5	1.516	7.2	0.4	7.7	0.7	0.4	0.48	0.73448	2203.9	9.0	2199.8	5.9	2195.9	8	-0.365
Erin-RM/	30	8811.3	2.249	7.2	0.9	7.6	1.1	0.4	0.62	0.56904	2190.1	11.5	2181.3	9.8	2172.9	16	-0.793
Erin-RM/	21	8978.5	19.694	7.4	0.9	6.8	1.3	0.4	0.86	0.64857	2040.3	15.0	2091.5	11.7	2142.3	18	4.758
Erin-RM/	204	260276.2	2.349	5.3	0.4	13.4	0.6	0.5	0.43	0.76835	2710.1	9.6	2705.8	5.3	2702.7	6	-0.276
Erin-RM/	200	204753.9	1.676	7.6	0.4	6.9	0.7	0.4	0.54	0.82075	2108.1	9.8	2102.3	5.9	2096.7	7	-0.545
Erin-RM/	197	104891.7	1.719	7.6	0.4	6.9	0.7	0.4	0.53	0.77046	2109.8	9.5	2102.1	6.1	2094.5	8	-0.733
Erin-RM/	58	14621.6	2.025	7.0	0.7	8.0	0.9	0.4	0.62	0.69068	2249.4	11.8	2235.6	8.2	2223.0	11	-1.186
Erin-RM/	148	49760.9	1.376	7.6	0.4	6.9	0.7	0.4	0.54	0.78314	2109.5	9.8	2104.4	6.2	2099.3	8	-0.487
Erin-RM/	182	588299.1	2.208	5.4	0.4	13.3	0.6	0.5	0.46	0.77309	2707.5	10.2	2701.7	5.6	2697.4	6	-0.374
Erin-RM/	97	91036.7	1.721	5.0	0.4	14.9	0.8	0.5	0.68	0.85750	2812.8	15.6	2811.2	7.6	2810.1	7	-0.095
Erin-RM/	259	198659.4	2.448	7.4	0.4	7.1	0.6	0.4	0.51	0.80105	2107.7	9.1	2122.6	5.6	2137.1	7	1.378
Erin-RM/	186	58808.0	2.015	8.4	0.4	5.7	0.7	0.4	0.50	0.75817	1948.5	8.3	1929.9	5.6	1909.9	8	-2.024
Erin-RM/	92	29101.2	2.241	8.5	0.5	5.5	0.7	0.3	0.55	0.73506	1911.4	9.1	1899.5	6.4	1886.6	9	-1.314
Erin-RM/	50	16440.2	1.447	7.5	0.6	6.9	0.9	0.4	0.69	0.74829	2071.7	12.2	2093.6	8.2	2115.2	11	2.055
Erin-RM/	33	21303.9	1.350	6.3	0.5	9.7	0.8	0.5	0.68	0.79983	2396.1	13.6	2404.9	7.8	2412.4	9	0.676
Erin-RM/	159	345004.1	1.926	5.4	0.5	13.0	0.8	0.5	0.64	0.78230	2661.4	13.9	2680.0	7.7	2694.1	8	1.212
Erin-RM/	83	330090.5	2.048	7.2	0.5	7.7	0.7	0.4	0.53	0.71086	2212.4	9.9	2198.7	6.7	2186.0	9	-1.208
Erin-RM/	90	151679.6	1.329	7.3	0.5	7.5	0.7	0.4	0.50	0.71497	2176.3	9.2	2175.6	6.3	2174.9	9	-0.062
Erin-RM/	161	49360.6	2.102	5.3	0.4	13.2	0.6	0.5	0.47	0.74936	2672.2	10.2	2690.8	5.9	2704.8	7	1.205
Erin-RM/	231	201783.5	2.265	5.3	0.3	13.5	0.6	0.5	0.54	0.83969	2715.6	11.9	2712.1	6.0	2709.4	6	-0.227
Erin-RM/	274	2555468.2	3.079	5.8	0.5	11.2	0.7	0.5	0.50	0.72312	2525.1	10.5	2538.2	6.5	2548.6	8	0.921
Erin-RM/	54	28944.9	0.942	7.6	0.6	6.7	0.9	0.4	0.62	0.71344	2049.1	10.9	2066.7	7.7	2084.3	11	1.691
Erin-RM/	17	7865.6	2.301	3.5	0.8	27.9	1.0	0.7	0.64	0.63812	3481.6	17.2	3415.9	9.8	3377.5	12	-3.081
Erin-RM/	206	798339.7	1.128	7.6	0.5	6.8	0.8	0.4	0.64	0.77202	2089.0	11.4	2091.2	7.3	2093.4	9	0.209
Erin-RM/	99	26719.0	2.561	7.5	0.6	7.2	0.8	0.4	0.60	0.71619	2150.5	11.0	2133.9	7.5	2118.0	10	-1.535
Erin-RM/	196	1476247.2	1.930	7.3	0.5	7.5	0.7	0.4	0.55	0.76194	2166.3	10.2	2173.8	6.5	2180.8	8	0.667
Erin-RM/	107	22690.6	1.641	7.5	0.5	7.1	0.8	0.4	0.57	0.72728	2127.8	10.4	2126.7	7.0	2125.6	10	-0.107
Erin-RM/	111	7522690.0	2.623	7.3	0.5	7.6	0.8	0.4	0.62	0.75385	2197.0	11.5	2186.3	7.3	2176.2	9	-0.956
Erin-RM/	86	32784.2	1.272	7.2	0.6	7.8	0.9	0.4	0.67	0.75088	2220.3	12.5	2205.4	8.0	2191.5	10	-1.313
Erin-RM/	187	51604.0	2.883	8.4	0.5	5.7	0.8	0.3	0.59	0.77634	1924.9	9.8	1925.4	6.6	1926.0	9	0.059
Erin-RM/	205	84546.8	2.603	5.4	1.1	13.3	1.7	0.5	1.27	0.74994	2719.4	28.2	2701.1	16.0	2687.5	19	-1.189
Erin-RM/	124	88694.2	2.109	7.6	0.4	6.7	0.8	0.4	0.65	0.84704	2065.5	11.5	2076.6	6.8	2087.6	7	1.057
Erin-RM/	100	219683.2	1.949	7.5	0.5	7.1	0.9	0.4	0.70	0.79775	2134.5	12.6	2128.4	7.8	2122.4	9	-0.569
Erin-RM/	275	947464.5	1.360	4.9	0.4	15.1	0.8	0.5	0.68	0.85464	2804.5	15.4	2818.8	7.5	2829.1	7	0.867
Erin-RM/	382	63134.9	2.109	7.3	0.4	7.4	0.7	0.4	0.55	0.84084	2150.4	10.1	2158.7	5.9	2166.6	6	0.744
Erin-RM/	224	477408.0	2.227	5.3	0.4	13.3	0.8	0.5	0.66	0.83406	2695.2	14.5	2698.1	7.4	2700.2	7	0.187
Erin-RM/	142	39184.2	1.665	6.0	0.5	10.9	0.7	0.5	0.53	0.75344	2536.3	11.1	2515.7	6.5	2499.0	8	-1.49
Erin-RM/	97	35580.9	2.894	7.2	0.5	7.7	0.8	0.4	0.63	0.77434	2197.5	11.8	2198.6	7.4	2199.5	9	0.088

Erin-RM/	115	43630.8	1.982	7.7	0.5	6.6	0.7	0.4	0.54	0.71982	2053.6	9.4	2056.7	6.6	2059.9	9	0.306
Erin-RM/	131	31943.1	2.433	7.3	0.5	7.4	0.8	0.4	0.57	0.74478	2163.4	10.4	2157.3	6.8	2151.5	9	-0.553
Erin-RM/	112	69247.0	2.101	7.5	0.6	7.1	0.9	0.4	0.69	0.76316	2137.4	12.6	2124.5	8.1	2112.0	10	-1.201
Erin-RM/	375	161951.3	2.766	7.1	0.4	7.7	0.8	0.4	0.69	0.85992	2176.1	12.8	2197.6	7.2	2217.7	7	1.876
Erin-RM/	453	195825.4	3.900	7.1	0.5	7.8	0.8	0.4	0.60	0.78741	2189.9	11.1	2208.0	6.8	2224.8	8	1.569
Erin-RM/	69	15428.2	5.132	5.9	0.7	10.9	0.9	0.5	0.54	0.61299	2501.2	11.2	2511.9	8.2	2520.6	12	0.769
Erin-RM/	59	59013.6	1.972	7.2	0.6	7.9	0.8	0.4	0.59	0.71856	2236.8	11.2	2218.0	7.4	2200.7	10	-1.64
Erin-RM/	46	276210.1	2.135	7.4	0.5	7.1	0.7	0.4	0.51	0.69799	2097.2	9.2	2124.5	6.6	2150.9	9	2.498
Erin-RM/	205	381380.0	2.594	7.4	0.6	7.1	0.9	0.4	0.65	0.75325	2121.9	11.8	2128.5	7.7	2135.0	10	0.615
Erin-RM/	164	260203.6	2.324	5.4	0.5	13.4	0.7	0.5	0.54	0.75666	2738.1	12.1	2710.8	6.8	2690.4	8	-1.772
Erin-RM/	232	87784.8	3.187	7.6	0.5	6.9	0.7	0.4	0.48	0.71007	2098.3	8.5	2099.2	5.9	2100.1	8	0.087
Erin-RM/	226	68169.1	1.235	8.1	0.5	6.0	0.8	0.4	0.71	0.83776	1967.7	12.1	1971.3	7.4	1975.2	8	0.381
Erin-RM/	219	65103.1	2.522	5.3	0.4	13.3	0.7	0.5	0.60	0.80438	2714.5	13.3	2704.1	7.1	2696.4	7	-0.673
Erin-RM/	171	50373.7	1.033	7.9	0.4	6.6	0.8	0.4	0.67	0.84009	2069.8	11.9	2053.8	7.0	2037.8	8	-1.57
Erin-RM/	157	80820.6	2.117	5.4	0.4	13.4	0.7	0.5	0.57	0.80106	2739.6	12.6	2708.9	6.7	2686.0	7	-1.995
Erin-RM/	150	27327.2	2.450	8.5	0.5	5.2	0.8	0.3	0.62	0.76544	1826.6	9.8	1857.6	6.9	1892.6	9	3.486
Erin-RM/	207	162757.3	2.143	5.3	0.4	13.2	0.7	0.5	0.59	0.79923	2679.3	13.0	2694.9	7.0	2706.6	7	1.009
Erin-RM/	193	503857.2	2.184	5.4	0.5	13.2	0.8	0.5	0.61	0.75264	2684.6	13.4	2691.3	7.6	2696.4	9	0.438
Erin-RM/	177	120895.8	0.928	7.3	0.5	7.6	0.8	0.4	0.59	0.77410	2184.3	10.9	2182.6	6.8	2181.0	8	-0.154
Erin-RM/	130	51729.1	1.923	7.2	0.6	7.8	0.8	0.4	0.63	0.73915	2218.8	11.8	2209.5	7.6	2200.9	10	-0.815
Erin-RM/	197	68400.3	3.143	7.3	0.4	7.5	0.6	0.4	0.48	0.74404	2165.2	8.9	2169.9	5.8	2174.4	8	0.424
Erin-RM/	116	369445.4	2.084	7.4	0.5	7.4	0.7	0.4	0.45	0.63360	2155.0	8.2	2156.7	6.3	2158.4	10	0.156
Erin-RM/	255	75065.5	2.089	5.3	0.4	13.1	0.6	0.5	0.46	0.77980	2665.6	10.1	2688.1	5.6	2705.0	6	1.457
Erin-RM/	99	26213.0	0.483	8.1	0.5	6.0	0.8	0.4	0.68	0.80470	1963.2	11.4	1975.4	7.3	1988.1	9	1.252
Erin-RM/	108	2632600.6	1.930	7.2	0.5	7.6	0.9	0.4	0.76	0.85197	2179.6	14.0	2186.2	8.0	2192.3	8	0.582
Erin-RM/	221	56827.2	2.323	5.3	0.3	13.1	0.6	0.5	0.52	0.83803	2678.5	11.4	2690.4	5.9	2699.3	6	0.772
Erin-RM/	161	69798.3	2.159	7.2	0.6	7.7	0.9	0.4	0.64	0.75050	2186.1	11.8	2195.5	7.7	2204.1	10	0.817
Erin-RM/	127	285343.7	2.022	7.2	0.4	7.7	0.7	0.4	0.60	0.81031	2185.3	11.1	2194.7	6.7	2203.5	8	0.822
Erin-RM/	84	73385.3	2.118	7.6	0.6	6.9	0.9	0.4	0.60	0.69089	2096.5	10.7	2098.3	7.7	2100.1	11	0.171
Erin-RM/	131	70473.5	1.993	6.7	0.5	8.5	0.8	0.4	0.61	0.80209	2256.5	11.6	2283.7	6.9	2308.1	8	2.235
Erin-RM/	221	112128.2	1.818	5.4	0.4	13.2	0.7	0.5	0.58	0.80634	2685.5	12.7	2692.1	6.8	2697.0	7	0.428
Erin-RM/	92	31093.7	1.105	7.4	0.5	7.3	0.8	0.4	0.62	0.80709	2148.7	11.4	2147.5	6.9	2146.3	8	-0.113
Erin-RM/	169	612479.6	2.856	7.6	0.5	6.9	0.7	0.4	0.56	0.76055	2090.3	10.0	2099.5	6.5	2108.6	8	0.864
Erin-RM/	228	218562.9	1.975	7.6	0.5	7.0	0.8	0.4	0.63	0.79136	2118.8	11.4	2111.0	7.1	2103.5	9	-0.729
Erin-RM/	35	37202.9	1.437	6.8	0.6	8.3	1.0	0.4	0.81	0.80703	2242.3	15.2	2264.1	9.0	2283.8	10	1.82
Erin-RM/	189	126742.2	2.208	5.4	1.1	12.9	1.7	0.5	1.30	0.77185	2672.7	28.5	2676.0	15.9	2678.5	18	0.215
Erin-RM/	84	51921.4	0.982	5.5	0.4	12.7	0.8	0.5	0.70	0.85042	2670.7	15.3	2656.6	7.7	2645.8	7	-0.941
Erin-RM/	61	50299.7	1.183	7.2	0.5	7.7	2.3	0.4	2.25	0.97390	2182.1	41.6	2191.1	20.7	2199.4	9	0.786
Erin-RM/	82	2158043.7	1.737	7.4	0.5	7.3	0.8	0.4	0.63	0.77352	2155.6	11.5	2150.7	7.2	2146.0	9	-0.448
Erin-RM/	281	133886.7	1.253	8.5	0.5	5.5	0.8	0.3	0.66	0.80903	1907.5	10.9	1901.4	7.0	1894.7	9	-0.676
Erin-RM/	150	116640.5	1.227	8.2	0.4	6.1	0.7	0.4	0.62	0.85096	2006.9	10.8	1989.2	6.4	1970.8	7	-1.833
Erin-RM/	116	37330.0	1.360	7.1	0.5	7.9	0.8	0.4	0.61	0.75420	2230.7	11.4	2218.9	7.3	2208.0	9	-1.025
Erin-RM/	105	23490.2	2.723	7.3	0.5	7.5	0.8	0.4	0.58	0.73537	2187.7	10.7	2173.3	7.0	2159.8	9	-1.289

Erin-RM/	161	67778.2	2.966	7.4	0.5	7.2	0.8	0.4	0.56	0.74093	2131.8	10.2	2138.1	6.7	2144.2	9	0.578
Erin-RM/	38	11413.9	1.170	7.5	0.7	7.2	0.9	0.4	0.57	0.62405	2158.7	10.4	2139.2	8.1	2120.5	12	-1.801
Erin-RM/	384	110943.4	1.137	4.8	0.4	15.7	0.7	0.5	0.52	0.78736	2818.8	11.9	2857.1	6.3	2884.1	7	2.266
Erin-RM/	225	100202.0	1.643	5.3	0.4	13.4	0.8	0.5	0.66	0.84586	2695.2	14.5	2710.9	7.4	2722.7	7	1.009
Erin-RM/	96	74484.8	1.818	7.3	0.5	7.5	0.7	0.4	0.51	0.69633	2171.1	9.4	2169.4	6.5	2167.8	9	-0.151
Erin-RM/	80	37656.6	1.313	7.5	0.7	6.9	0.9	0.4	0.61	0.66866	2090.0	10.9	2103.7	8.1	2117.1	12	1.278
Erin-RM/	123	182297.7	3.498	7.5	0.4	7.2	0.9	0.4	0.75	0.86002	2141.5	13.7	2138.6	7.8	2135.8	8	-0.269
Erin-RM/	473	474725.7	2.708	7.7	0.4	6.6	0.6	0.4	0.52	0.82370	2044.8	9.2	2064.1	5.6	2083.4	6	1.856
Erin-RM/	68	54045.4	1.974	7.6	0.5	7.0	0.9	0.4	0.71	0.81105	2105.7	12.8	2107.1	7.8	2108.4	9	0.129
Erin-RM/	127	34463.0	2.506	5.4	0.5	13.1	0.7	0.5	0.55	0.73730	2671.7	12.0	2684.0	7.0	2693.3	8	0.804
Erin-RM/	123	57571.1	2.235	5.3	0.4	13.0	0.7	0.5	0.59	0.82615	2649.8	12.8	2679.6	6.7	2702.2	7	1.941
Erin-RM/	184	1450188.3	1.858	3.7	0.4	24.3	0.7	0.7	0.52	0.78122	3239.8	13.3	3279.1	6.5	3303.2	7	1.918
Erin-RM/	97	21915.6	2.705	7.5	0.5	7.3	0.9	0.4	0.66	0.77175	2173.2	12.1	2144.7	7.6	2117.6	9	-2.622
Erin-RM/	174	49707.4	1.565	7.6	0.4	6.9	0.7	0.4	0.56	0.80531	2079.0	9.9	2095.6	6.1	2111.9	7	1.561
Erin-RM/	198	542298.7	2.502	5.3	0.5	13.2	0.9	0.5	0.68	0.78922	2677.9	15.0	2691.4	8.2	2701.6	9	0.88
Erin-RM/	81	49000.8	1.018	5.0	0.5	14.9	0.8	0.5	0.65	0.80948	2807.4	14.8	2810.3	7.7	2812.4	8	0.177
Erin-RM/	198	135612.4	2.645	7.4	0.4	7.2	0.8	0.4	0.65	0.83101	2125.8	11.7	2133.8	6.9	2141.5	8	0.732
Erin-RM/	303	93602.5	2.352	5.3	0.5	13.2	0.7	0.5	0.49	0.69081	2664.4	10.6	2691.6	6.6	2712.1	8	1.761
Erin-RM/	114	31971.5	2.032	6.7	0.5	8.7	0.8	0.4	0.57	0.75078	2303.5	10.9	2305.0	6.9	2306.4	9	0.127
Erin-RM/	178	398094.6	2.093	5.7	0.4	11.5	0.7	0.5	0.62	0.83620	2546.4	12.9	2566.3	6.9	2582.0	7	1.379
Erin-RM/	92	22481.1	0.850	7.6	0.4	6.8	0.7	0.4	0.60	0.80358	2081.9	10.7	2084.8	6.6	2087.5	8	0.267
Erin-RM/	170	64316.6	2.215	5.4	0.3	13.2	0.5	0.5	0.43	0.83221	2686.6	9.5	2693.0	4.9	2697.7	5	0.412
Erin-RM/	188	59473.3	1.779	8.1	0.6	6.1	0.8	0.4	0.53	0.68165	1990.1	9.0	1986.7	6.8	1983.2	10	-0.349
Erin-RM/	316	165161.9	1.295	7.6	0.4	7.0	0.7	0.4	0.53	0.79400	2110.3	9.5	2111.6	5.9	2112.9	7	0.122
Erin-RM/	54	42773.8	2.116	5.4	0.6	13.3	0.9	0.5	0.66	0.76390	2704.0	14.5	2700.5	8.1	2697.8	9	-0.231
Erin-RM/	275	82101.2	1.631	7.5	0.4	7.0	0.8	0.4	0.64	0.82268	2107.4	11.6	2112.1	7.0	2116.7	8	0.441
Erin-RM/	232	134362.7	2.292	5.3	0.4	13.1	0.6	0.5	0.45	0.72764	2651.3	9.7	2684.5	5.8	2709.6	7	2.153
Erin-RM/	150	67113.1	2.748	4.2	0.5	19.0	0.8	0.6	0.58	0.76414	2967.1	13.8	3041.0	7.3	3090.2	8	3.983
Erin-RM/	82	60795.4	2.121	6.9	0.5	8.1	0.7	0.4	0.57	0.76298	2219.0	10.7	2240.8	6.8	2260.7	8	1.845
Erin-RM/	164	193770.0	2.900	4.8	0.5	15.9	1.0	0.6	0.83	0.87303	2870.6	19.3	2869.3	9.1	2868.4	8	-0.077
Erin-RM/	53	9583.8	1.220	15.0	1.4	0.9	1.9	0.1	0.53	0.28665	626.3	3.2	655.5	9.0	757.1	38	17.28
Erin-RM/	100	48494.4	2.722	7.2	0.7	7.8	0.9	0.4	0.66	0.70856	2206.8	12.2	2204.6	8.3	2202.6	11	-0.192
Erin-RM/	181	144387.2	1.484	7.2	0.5	7.7	0.8	0.4	0.56	0.71691	2179.1	10.3	2192.2	7.0	2204.4	9	1.151
Erin-RM/	52	160644.7	1.671	7.3	0.6	7.6	0.8	0.4	0.57	0.71442	2183.0	10.5	2180.3	7.1	2177.8	10	-0.24
Erin-RM/	268	188886.4	1.963	5.3	0.4	13.1	0.8	0.5	0.69	0.83735	2657.2	14.9	2688.1	7.7	2711.4	7	2
Erin-RM/	171	203005.3	2.190	5.2	0.4	13.6	0.7	0.5	0.57	0.80938	2689.5	12.5	2720.2	6.6	2743.0	7	1.95
Erin-RM/	177	95981.7	1.735	5.3	0.5	13.4	0.8	0.5	0.64	0.79215	2706.5	14.2	2707.2	7.7	2707.8	8	0.049
Erin-RM/	94	610132.8	1.892	7.5	0.6	7.1	0.8	0.4	0.52	0.68379	2124.3	9.4	2122.8	6.8	2121.4	10	-0.139
Erin-RM/	82	25547.0	2.352	7.5	0.5	7.0	0.9	0.4	0.67	0.76990	2117.6	12.0	2116.6	7.7	2115.7	10	-0.091
Erin-RM/	136	210613.6	1.409	7.6	0.5	7.2	0.7	0.4	0.46	0.64503	2160.6	8.5	2133.8	6.4	2108.1	10	-2.487
Erin-RM/	277	48795.4	1.817	8.5	0.5	5.5	0.9	0.3	0.71	0.79297	1889.1	11.6	1898.7	7.7	1909.2	10	1.053
Erin-RM/	154	139086.5	1.399	4.3	0.5	19.0	0.8	0.6	0.65	0.80850	3044.6	15.7	3041.4	7.7	3039.3	8	-0.176
Erin-RM/	46	121717.7	0.560	7.6	0.7	7.0	1.0	0.4	0.63	0.66377	2116.2	11.4	2112.1	8.5	2108.1	13	-0.385

Erin-RM/	171	46327.6	3.243	7.4	0.5	7.3	0.7	0.4	0.53	0.70754	2137.5	9.6	2143.3	6.6	2148.9	9	0.529
Erin-RM/	89	36382.2	2.424	7.4	0.6	7.3	0.9	0.4	0.66	0.71954	2152.5	12.1	2144.5	8.2	2136.9	11	-0.727
Erin-RM/	95	69444.3	2.022	7.2	0.6	7.8	0.9	0.4	0.70	0.76788	2232.8	13.2	2208.6	8.2	2186.2	10	-2.132
Erin-RM/	246	46530.6	1.064	8.0	0.5	6.1	0.8	0.4	0.63	0.80250	1982.0	10.7	1992.7	6.8	2003.7	8	1.084
Erin-RM/	173	88364.7	2.628	5.3	0.4	13.2	0.6	0.5	0.52	0.80943	2670.5	11.3	2692.3	6.0	2708.6	6	1.405
Erin-RM/	130	55906.1	0.775	7.6	0.4	7.0	0.7	0.4	0.53	0.81178	2109.8	9.6	2109.4	5.8	2109.0	7	-0.041
Erin-RM/	68	57955.1	1.389	7.5	0.6	7.1	0.9	0.4	0.71	0.76170	2130.6	12.8	2124.1	8.3	2117.9	11	-0.599
Erin-RM/	336	71375.1	1.360	5.6	0.4	12.2	0.7	0.5	0.54	0.77833	2616.6	11.6	2622.0	6.5	2626.2	7	0.365
Erin-RM/	230	134334.9	1.750	7.7	0.5	6.8	0.8	0.4	0.66	0.78998	2078.6	11.8	2082.6	7.4	2086.6	9	0.382
Erin-RM/	85	50692.1	2.194	4.4	0.5	18.3	0.8	0.6	0.67	0.82527	3006.6	16.1	3004.5	7.8	3003.1	7	-0.119
Erin-RM/	129	57030.8	2.206	5.4	0.5	13.5	0.7	0.5	0.53	0.71733	2746.3	11.9	2717.1	7.0	2695.5	9	-1.885
Erin-RM/	78	73192.6	2.388	7.1	0.6	7.8	0.9	0.4	0.69	0.74619	2187.6	12.8	2208.4	8.3	2227.7	11	1.801
Erin-RM/	57	29464.6	1.708	5.4	0.6	13.3	0.8	0.5	0.58	0.71430	2703.3	12.8	2698.0	7.7	2694.0	9	-0.344
Erin-RM/	220	124670.1	2.183	8.5	0.5	5.6	0.7	0.3	0.51	0.73008	1933.1	8.5	1922.4	6.0	1910.8	9	-1.166
Erin-RM/	180	68827.1	1.073	7.2	0.4	7.9	0.7	0.4	0.60	0.82584	2233.4	11.3	2220.6	6.5	2208.8	7	-1.114
Erin-RM/	466	186053.2	2.486	7.7	0.4	6.6	0.7	0.4	0.63	0.86511	2047.4	11.0	2061.2	6.4	2075.0	6	1.333
Erin-RM/	256	60240.7	2.602	8.5	0.4	5.5	0.7	0.3	0.56	0.80787	1912.5	9.2	1907.0	5.9	1901.0	7	-0.602
Erin-RM/	235	571959.9	2.321	5.3	0.5	13.2	0.8	0.5	0.54	0.69862	2671.3	11.7	2693.8	7.2	2710.7	9	1.454
Erin-RM/	145	51551.8	1.481	7.3	0.5	7.5	0.9	0.4	0.67	0.77258	2169.2	12.3	2171.4	7.8	2173.5	10	0.197
Erin-RM/	136	427634.4	2.166	7.5	0.6	7.2	0.9	0.4	0.64	0.72914	2145.0	11.7	2135.3	7.8	2126.0	11	-0.895
Erin-RM/	204	125958.0	1.268	6.1	0.5	10.3	0.8	0.5	0.68	0.80770	2451.4	13.9	2462.0	7.8	2470.8	8	0.787
Erin-RM/	126	108856.1	3.190	7.3	0.6	7.7	0.9	0.4	0.71	0.78955	2204.2	13.2	2191.5	8.1	2179.5	10	-1.131
Erin-RM/	61	79410.9	3.106	7.3	0.6	7.6	0.8	0.4	0.55	0.69600	2185.7	10.2	2179.2	7.1	2173.1	10	-0.581
Erin-RM/	56	93640.8	1.577	7.4	0.7	7.6	1.1	0.4	0.88	0.76864	2213.2	16.5	2183.7	10.3	2156.1	13	-2.647
Erin-RM/	149	32949.8	2.116	7.4	0.5	7.3	0.8	0.4	0.60	0.74016	2147.4	10.9	2148.6	7.2	2149.7	9	0.104
Erin-RM/	154	56467.2	2.799	7.5	0.4	7.2	0.8	0.4	0.68	0.84688	2157.0	12.5	2138.8	7.2	2121.3	7	-1.681
Erin-RM/	201	2159451.0	2.211	5.3	0.4	13.5	0.8	0.5	0.68	0.85333	2718.0	15.0	2713.0	7.5	2709.3	7	-0.323
Erin-RM/	319	111259.3	3.174	7.6	0.4	6.8	0.6	0.4	0.48	0.77557	2084.5	8.6	2091.0	5.5	2097.3	7	0.611
Erin-RM/	287	213437.5	2.517	7.5	0.5	7.1	0.8	0.4	0.60	0.79750	2114.2	10.9	2118.3	6.7	2122.3	8	0.378
Erin-RM/	120	1780736.0	1.068	5.5	0.4	12.7	0.7	0.5	0.59	0.80498	2655.1	12.8	2654.0	6.9	2653.2	7	-0.071
Erin-RM/	124	48649.7	1.967	7.6	0.5	6.9	0.8	0.4	0.68	0.81617	2107.2	12.1	2104.5	7.3	2101.7	8	-0.261
Erin-RM/	115	77907.4	1.671	5.3	0.4	13.4	0.7	0.5	0.59	0.83789	2711.0	13.1	2708.7	6.7	2707.0	6	-0.15
Erin-RM/	59	222843.8	2.105	5.3	0.5	13.5	0.8	0.5	0.60	0.76871	2721.4	13.2	2717.7	7.3	2715.0	8	-0.237
Erin-RM/	46	19517.5	3.062	7.4	0.6	7.2	0.9	0.4	0.61	0.70198	2109.1	11.0	2131.8	7.8	2153.7	11	2.072
Erin-RM/	340	116298.4	1.946	8.5	0.4	5.5	0.8	0.3	0.61	0.80697	1887.6	10.0	1899.8	6.5	1913.1	8	1.331
Erin-RM/	289	93184.4	2.064	5.3	0.3	13.3	0.7	0.5	0.59	0.86612	2670.4	12.8	2700.4	6.4	2722.9	6	1.926
Erin-RM/	130	51720.8	1.721	7.5	0.6	7.0	0.8	0.4	0.53	0.68913	2092.5	9.5	2106.4	6.8	2120.1	10	1.298
Erin-RM/	162	191766.6	1.119	7.2	0.4	7.6	0.7	0.4	0.62	0.83858	2164.2	11.4	2186.6	6.6	2207.8	7	1.976
Erin-RM/	126	67714.5	2.248	7.0	0.5	8.1	0.7	0.4	0.54	0.75385	2228.8	10.2	2241.7	6.5	2253.5	8	1.094
Erin-RM/	102	125968.4	1.282	7.3	0.5	7.4	0.9	0.4	0.75	0.83055	2154.4	13.7	2164.8	8.0	2174.7	9	0.934
Erin-RM/	211	146230.5	2.358	5.4	0.3	13.2	0.6	0.5	0.47	0.81433	2679.9	10.3	2691.7	5.4	2700.6	6	0.768
Erin-RM/	205	1405394.0	2.246	5.3	0.4	13.5	0.7	0.5	0.58	0.84832	2719.6	12.9	2715.6	6.5	2712.6	6	-0.258
Erin-RM/	108	37069.9	1.808	8.5	0.6	5.4	0.9	0.3	0.63	0.69738	1877.0	10.2	1892.1	7.7	1908.8	12	1.665

Erin-RM/	134	49109.2	3.241	6.4	0.5	9.3	0.7	0.4	0.52	0.71888	2346.9	10.2	2368.6	6.6	2387.4	9	1.698
Erin-RM/	116	49315.9	0.729	7.6	0.5	6.9	0.8	0.4	0.58	0.72847	2097.2	10.3	2100.5	7.0	2103.7	10	0.31
Erin-RM/	75	30519.1	1.288	6.1	0.5	10.4	0.9	0.5	0.76	0.81671	2464.9	15.6	2471.5	8.6	2477.0	9	0.491
Erin-RM/	64	21825.8	3.125	7.5	0.6	7.0	0.9	0.4	0.65	0.73481	2090.4	11.7	2109.8	7.9	2128.7	11	1.801
Erin-RM/	179	134746.3	0.793	5.3	0.5	13.5	0.7	0.5	0.51	0.74750	2712.4	11.3	2718.6	6.4	2723.2	7	0.397
Erin-RM/	177	262558.8	2.043	8.5	0.5	5.5	0.9	0.3	0.73	0.81889	1911.1	12.1	1906.9	7.7	1902.2	9	-0.47
Erin-RM/	302	98977.8	2.364	5.7	0.5	11.6	0.8	0.5	0.59	0.77088	2554.2	12.4	2576.2	7.1	2593.5	8	1.515
Erin-RM/	120	135405.0	1.388	4.9	0.5	15.4	0.7	0.5	0.54	0.76014	2809.3	12.3	2837.2	6.8	2857.1	7	1.67
Erin-RM/	104	131360.5	1.783	6.7	0.4	8.8	0.8	0.4	0.72	0.86403	2312.5	14.1	2314.7	7.6	2316.7	7	0.179
Erin-RM/	130	67875.0	1.904	7.1	0.5	7.9	0.8	0.4	0.60	0.76015	2228.9	11.3	2225.2	7.1	2221.8	9	-0.323
Erin-RM/	212	76905.2	2.165	5.4	0.7	13.3	1.2	0.5	1.00	0.80138	2722.7	22.1	2704.4	11.8	2690.7	12	-1.19
Erin-RM/	441	265827.3	3.734	7.5	0.4	7.1	0.7	0.4	0.56	0.84266	2129.1	10.1	2128.8	5.9	2128.5	6	-0.025
Erin-RM/	73	20638.7	1.481	7.3	0.5	7.6	1.0	0.4	0.85	0.86613	2200.7	15.9	2186.8	8.8	2173.8	9	-1.24
Erin-RM/	82	606986.7	3.997	7.6	0.5	7.0	0.8	0.4	0.69	0.83459	2110.9	12.4	2109.0	7.3	2107.1	8	-0.18
Erin-RM/	101	153895.9	1.075	8.1	0.5	5.9	0.9	0.4	0.69	0.80393	1945.9	11.6	1966.1	7.5	1987.4	9	2.09
Erin-RM/	118	173663.7	3.261	7.5	0.5	7.2	0.8	0.4	0.57	0.72442	2155.4	10.4	2138.9	7.0	2123.1	9	-1.52
Erin-RM/	117	198937.9	2.492	7.5	0.6	7.2	0.9	0.4	0.65	0.74817	2128.5	11.8	2132.3	7.8	2136.1	10	0.354
Erin-RM/	109	98940.1	1.429	7.4	0.5	7.2	0.8	0.4	0.58	0.72989	2135.5	10.5	2137.6	7.1	2139.6	9	0.191
Erin-RM/	128	51499.8	2.724	7.2	0.4	7.8	0.7	0.4	0.52	0.77985	2235.9	9.8	2213.0	6.0	2191.9	7	-2.007
Erin-RM/	84	127883.1	1.982	7.3	0.6	7.4	0.9	0.4	0.66	0.73499	2151.5	12.1	2160.9	8.1	2169.7	11	0.84
Erin-RM/	238	143442.0	2.233	5.3	0.4	13.3	0.8	0.5	0.65	0.85751	2702.3	14.4	2701.0	7.2	2700.1	6	-0.082
Erin-RM/	52	20266.8	0.419	7.4	0.5	7.2	0.8	0.4	0.62	0.75620	2131.2	11.2	2137.9	7.3	2144.4	9	0.615
Erin-RM/	187	195256.8	2.760	7.5	0.4	7.0	0.8	0.4	0.65	0.84540	2104.7	11.6	2113.3	6.8	2121.6	7	0.796
Erin-RM/	160	206741.3	1.698	7.3	0.4	7.6	0.8	0.4	0.66	0.83537	2199.4	12.4	2182.2	7.1	2166.1	8	-1.538
Erin-RM/	122	54412.8	2.094	3.6	0.4	24.9	0.7	0.7	0.55	0.79866	3288.4	14.1	3303.2	6.7	3312.2	6	0.717
Erin-RM/	148	171026.8	1.268	5.0	0.4	14.9	0.6	0.5	0.50	0.79254	2804.4	11.5	2811.6	6.1	2816.8	6	0.441
Erin-RM/	164	48523.9	2.352	5.3	0.4	13.3	0.7	0.5	0.64	0.87026	2706.4	14.1	2701.1	6.9	2697.0	6	-0.348
Erin-RM/	87	53161.4	1.307	7.6	0.6	6.9	0.8	0.4	0.56	0.67447	2110.5	10.1	2102.2	7.4	2094.1	11	-0.783
Erin-RM/	142	208044.3	1.325	6.9	0.5	8.4	0.8	0.4	0.53	0.70852	2271.5	10.2	2271.5	6.8	2271.5	9	0.002
Erin-RM/	182	107996.8	2.180	7.1	0.4	7.7	0.8	0.4	0.62	0.81949	2184.5	11.6	2198.2	6.8	2210.9	8	1.193
Erin-RM/	95	37688.7	1.365	5.6	0.4	11.9	0.8	0.5	0.69	0.85091	2567.7	14.6	2599.8	7.6	2624.9	7	2.179
Erin-RM/	191	73796.4	1.388	7.6	0.5	6.9	0.9	0.4	0.76	0.84915	2100.0	13.6	2102.7	7.9	2105.2	8	0.244
Erin-RM/	109	30881.7	2.167	7.4	0.4	7.3	0.9	0.4	0.75	0.86600	2157.4	13.8	2144.2	7.8	2131.6	8	-1.214
Erin-RM/	103	182263.4	2.049	7.0	0.6	8.0	0.9	0.4	0.66	0.72550	2223.5	12.3	2233.5	8.2	2242.7	11	0.856
Erin-RM/	170	123121.4	1.535	4.6	0.5	16.9	0.8	0.6	0.63	0.76957	2921.3	14.9	2931.7	7.9	2938.9	8	0.601
Erin-RM/	93	80430.1	4.187	7.2	0.6	7.6	1.0	0.4	0.75	0.78658	2174.8	13.9	2187.9	8.6	2200.2	10	1.156
Erin-RM/	235	83618.3	3.478	7.5	0.5	7.0	0.9	0.4	0.70	0.80802	2102.0	12.6	2107.4	7.7	2112.7	9	0.506
Erin-RM/	49	16724.8	1.726	6.9	0.6	8.6	0.8	0.4	0.59	0.70627	2331.4	11.6	2297.6	7.7	2267.7	10	-2.81
Erin-RM/	328	813086.5	3.135	7.0	0.5	7.9	1.0	0.4	0.90	0.87263	2203.3	16.9	2223.2	9.3	2241.6	9	1.709
Erin-RM/	192	229631.2	1.234	4.9	0.4	15.1	0.7	0.5	0.57	0.78841	2800.0	12.9	2821.2	6.9	2836.3	7	1.28
Run 1 (discordant Sept. 2022)																	
Erin-RM/	0	1500.0	1777.239	5.1	1.0	36.1	1.2	1.3	0.60	0.51448	5473.5	22.1	3668.2	11.5	2789.4	16	-96.22