

**TABLE S19: NM8A (CA) LA-ICPMS U-Pb ZIRCON GEOCHRONOLOGY**

Composition										Ages						
Zircon	U	206Pb/	U/Th	206Pb/ 1σ	207Pb/ 1σ	206Pb/ 1σ	Error	206Pb/ 1σ	207Pb/ 1σ	206Pb/ 1σ	207Pb/ 1σ	206Pb/ 1σ	207Pb/ 1σ	%		
#	(ppm)	204Pb		207Pb (%)	235U (%)	238U (%)	Corr.	238U	(Ma)	235U	(Ma)	207Pb	(Ma)	Disc.		
Run 1																
Spot 1	89	1366.9	1.7	23.6	4.0	0.2	5.4	0.0	3.6	0.6737943	192.1	6.9	165.0	8.2	NA	NA
Spot 10	143	14651.5	1.9	19.3	3.6	0.2	6.9	0.0	5.9	0.8521062	210.3	12.1	216.3	13.4	281.7	82.4
Spot 100	131	6282.3	2.8	12.7	2.1	2.2	2.4	0.2	1.3	0.5137164	1167.4	13.4	1165.9	17.0	1162.9	41.6
Spot 101	265	18225.5	4.0	11.9	1.0	2.4	1.8	0.2	1.5	0.8391952	1227.6	16.9	1248.4	12.9	1284.5	19.1
Spot 102	194	1143.2	3.0	29.0	6.7	0.0	7.5	0.0	3.4	0.4568288	56.8	1.9	41.8	3.1	NA	NA
Spot 103	636	67225.5	2.5	14.1	1.0	1.4	2.9	0.1	2.7	0.9365422	871.8	22.1	895.5	17.2	954.4	20.7
Spot 104	137	13185.7	1.2	20.2	2.7	0.3	3.8	0.0	2.6	0.6973488	304.8	7.8	289.9	9.5	171.2	63.1
Spot 105	174	17214.8	2.4	12.8	1.5	2.2	2.1	0.2	1.4	0.6776112	1176.5	15.1	1169.3	14.4	1155.9	30.3
Spot 108	395	8014.8	1.3	20.1	1.9	0.3	2.3	0.0	1.4	0.5915896	274.4	3.7	265.0	5.4	182.5	43.7
Spot 113	389	61531.1	1.7	12.1	0.9	2.4	2.0	0.2	1.8	0.8913702	1246.0	20.3	1250.8	14.4	1259.1	17.8
Spot 114	68	9859.2	2.3	18.2	4.0	0.3	4.5	0.0	2.1	0.4680306	228.9	4.8	245.4	9.8	405.5	89.4
Spot 116	197	4344.4	2.1	19.5	2.9	0.3	4.2	0.0	3.1	0.732879	256.4	7.8	255.6	9.5	248.7	66.1
Spot 118	364	29485.8	1.5	19.4	1.5	0.3	2.3	0.0	1.8	0.7730178	279.4	4.9	277.6	5.7	262.8	34.0
Spot 12	659	339857.5	39.5	14.8	3.1	0.9	3.5	0.1	1.6	0.4684793	614.2	9.6	669.6	17.2	860.9	64.2
Spot 120	101	18568.0	1.3	14.7	7.1	0.3	9.2	0.0	5.8	0.6297216	170.5	9.7	228.2	18.8	874.7	148.2
Spot 121	87	651.5	1.5	20.6	25.0	0.2	25.2	0.0	3.6	0.1417415	190.8	6.7	186.2	42.9	128.3	NA
Spot 122	634	27434.6	7.5	12.3	0.7	2.3	1.5	0.2	1.3	0.8770754	1211.3	14.5	1219.9	10.6	1235.3	14.1
Spot 123	543	44967.1	1.5	19.9	2.6	0.1	3.2	0.0	1.8	0.5596839	61.0	1.1	64.8	2.0	207.9	61.3
Spot 124	493	8498.2	4.9	19.8	1.4	0.3	1.9	0.0	1.3	0.6954399	245.9	3.2	243.1	4.1	215.9	31.3
Spot 125	382	3963.2	3.4	21.2	1.9	0.1	2.6	0.0	1.8	0.6704559	146.5	2.5	141.5	3.5	57.6	46.3
Spot 126	521	35456.6	3.2	19.6	1.5	0.3	2.3	0.0	1.8	0.7726921	243.1	4.3	243.0	5.1	241.7	34.4
Spot 128	370	9759.0	3.7	20.5	3.3	0.2	6.4	0.0	5.4	0.8523262	192.0	10.3	187.5	10.9	131.5	78.6
Spot 129	113	7664.9	4.6	13.0	1.1	1.9	2.3	0.2	2.0	0.8709683	1081.9	19.7	1094.7	15.2	1120.3	22.3
Spot 13	316	35493.2	6.0	19.0	2.5	0.3	3.8	0.0	3.0	0.7699817	242.2	7.0	248.4	8.5	306.7	55.9
Spot 130	271	6861.2	1.8	20.4	1.7	0.3	2.5	0.0	1.9	0.7538698	275.7	5.2	262.4	5.9	146.0	39.1
Spot 131	336	23251.5	193.9	16.3	1.9	0.7	4.3	0.1	3.9	0.9005616	496.6	18.5	524.2	17.6	646.4	40.1
Spot 132	197	26832.4	1.7	14.2	1.0	1.4	1.8	0.1	1.5	0.821668	894.9	12.4	906.0	10.8	933.3	21.1
Spot 133	293	10796.0	3.5	13.1	0.7	1.9	3.3	0.2	3.3	0.975334	1053.9	31.6	1072.3	22.1	1110.0	14.7
Spot 134	201	36080.1	1.7	11.6	1.0	2.7	1.9	0.2	1.7	0.8619635	1306.8	19.6	1318.7	14.2	1337.9	18.8
Spot 135	229	13791.8	2.9	12.3	1.2	2.3	1.6	0.2	1.1	0.6759719	1227.1	12.3	1227.5	11.6	1228.4	23.5
Spot 136	285	30055.0	4.9	13.9	1.0	1.6	2.2	0.2	2.0	0.9005995	967.8	17.9	973.2	13.8	985.5	19.5
Spot 137	127	14313.4	2.5	13.6	2.5	1.4	3.8	0.1	2.9	0.7639931	846.1	23.1	899.7	22.8	1033.8	49.8
Spot 138	454	9099.0	1.2	19.5	1.2	0.3	1.8	0.0	1.4	0.7368186	273.6	3.6	271.4	4.4	252.7	28.7
Spot 139	58	970.6	1.3	29.1	15.2	0.2	16.1	0.0	5.3	0.3300656	203.5	10.6	143.5	21.6	NA	NA
Spot 140	165	6950.3	5.6	15.3	2.7	1.0	3.6	0.1	2.4	0.674998	700.0	16.1	720.5	18.6	784.6	55.9
Spot 141	345	39748.3	4.0	10.6	0.9	3.5	1.6	0.3	1.4	0.8343084	1529.1	18.5	1525.4	12.8	1520.1	16.9
Spot 142	668	71091.1	0.7	20.5	1.3	0.2	1.8	0.0	1.2	0.6791409	171.4	2.0	169.0	2.7	134.5	30.2
Spot 143	251	7066.4	4.2	12.5	1.6	2.3	2.3	0.2	1.6	0.7171186	1204.3	18.1	1199.5	16.2	1190.8	31.6

Spot 144	328	31743.8	3.1	13.5	1.0	1.8	1.7	0.2	1.3	0.8038831	1019.4	12.5	1027.8	10.7	1045.5	19.9	2.5
Spot 145	215	14939.9	2.5	12.8	0.9	2.0	1.5	0.2	1.2	0.8218622	1088.6	12.3	1110.6	10.1	1153.8	16.9	5.6
Spot 146	78	3581.1	3.0	14.7	3.8	1.2	7.1	0.1	6.0	0.8444627	757.2	42.7	784.9	38.7	864.2	78.6	12.4
Spot 147	361	6490.4	9.7	20.3	1.5	0.3	1.9	0.0	1.2	0.6240334	239.1	2.7	232.3	3.9	164.5	33.9	-45.4
Spot 148	109	6770.0	2.6	20.1	2.7	0.3	3.4	0.0	2.1	0.6213561	247.0	5.1	241.3	7.3	186.5	61.8	-32.4
Spot 15	213	26587.7	3.0	12.7	1.0	2.1	2.0	0.2	1.7	0.8757939	1156.5	18.4	1161.3	13.7	1170.4	19.0	1.2
Spot 150	561	38684.5	1.4	19.9	2.3	0.2	3.0	0.0	1.9	0.6428239	171.6	3.3	173.9	4.8	205.1	53.2	16.4
Spot 153	299	35513.5	2.6	12.7	0.8	2.2	1.4	0.2	1.2	0.8246656	1183.2	12.6	1175.3	9.9	1160.9	15.9	-1.9
Spot 156	180	16998.4	3.0	12.9	1.1	2.0	2.0	0.2	1.6	0.8140849	1085.5	16.0	1102.3	13.3	1135.8	22.8	4.4
Spot 157	222	6597.2	15.7	15.3	1.2	1.1	2.0	0.1	1.6	0.7998159	740.0	11.3	751.2	10.8	784.8	25.6	5.7
Spot 158	206	9031.3	3.9	14.2	1.2	1.4	1.9	0.1	1.5	0.7798786	889.1	12.6	903.4	11.7	938.4	25.0	5.2
Spot 159	198	16808.3	1.9	14.0	1.7	1.4	2.0	0.1	1.0	0.518724	878.2	8.6	903.0	12.0	964.0	35.1	8.9
Spot 16	29	2081.6	1.7	12.2	5.5	2.0	6.8	0.2	3.9	0.5805813	1062.0	38.6	1121.6	46.1	1238.9	108.4	14.3
Spot 160	300	15672.3	2.9	12.9	0.7	2.1	1.2	0.2	0.9	0.7890422	1138.1	9.7	1135.4	8.1	1130.2	14.4	-0.7
Spot 161	294	173801.2	3.9	12.5	0.8	2.3	1.9	0.2	1.7	0.9054171	1204.9	19.0	1203.9	13.5	1201.9	16.0	-0.3
Spot 162	476	71155.7	1.3	18.9	1.5	0.3	2.7	0.0	2.2	0.8218453	262.7	5.7	269.4	6.4	328.2	34.8	20.0
Spot 164	213	24568.2	1.8	13.1	1.0	1.9	1.4	0.2	1.0	0.6796886	1066.4	9.4	1077.0	9.3	1098.4	20.6	2.9
Spot 165	812	17092.8	2.0	20.5	1.4	0.2	2.1	0.0	1.6	0.7591759	166.0	2.7	164.1	3.2	136.2	32.7	-21.9
Spot 167	870	26531.1	1.2	19.2	1.4	0.3	1.9	0.0	1.3	0.6776723	281.0	3.6	281.8	4.7	288.5	32.0	2.6
Spot 168	638	6826.8	1.0	19.7	1.7	0.3	2.9	0.0	2.3	0.8011866	282.0	6.5	275.8	7.1	223.6	40.5	-26.1
Spot 169	328	2565.6	1.5	22.0	2.5	0.3	2.9	0.0	1.4	0.4946789	290.7	4.0	258.2	6.5	NA	NA	
Spot 17	390	428800.1	3.2	12.5	1.3	2.2	3.1	0.2	2.8	0.9098996	1159.4	29.5	1171.7	21.2	1194.5	25.0	2.9
Spot 170	639	13443.8	1.2	19.6	1.6	0.3	2.4	0.0	1.8	0.7437313	281.0	4.9	276.3	5.8	237.0	37.1	-18.6
Spot 172	453	30490.3	3.6	12.4	1.0	2.2	1.9	0.2	1.6	0.8384468	1175.4	16.9	1189.9	13.1	1216.4	20.1	3.4
Spot 173	289	11371.6	2.3	12.8	0.9	2.2	1.9	0.2	1.7	0.8825285	1195.7	18.6	1179.8	13.4	1150.7	18.0	-3.9
Spot 174	275	194742.4	1.6	13.4	1.0	1.8	1.6	0.2	1.3	0.8042949	1033.3	12.3	1041.6	10.5	1058.9	19.2	2.4
Spot 176	266	3955.8	1.5	18.5	1.2	0.6	2.1	0.1	1.7	0.8169964	485.1	7.9	465.9	7.7	372.3	26.9	-30.3
Spot 177	1064	32069.7	4.6	19.7	1.3	0.3	1.9	0.0	1.4	0.7453273	234.0	3.3	233.1	4.0	223.7	29.8	-4.6
Spot 179	128	1389.0	1.6	24.3	3.4	0.2	4.2	0.0	2.5	0.5938901	198.4	4.9	165.9	6.4	NA	NA	
Spot 180	719	26145.8	1.5	19.3	1.5	0.3	2.2	0.0	1.5	0.7052508	282.0	4.2	281.6	5.3	278.1	35.2	-1.4
Spot 181	117	1158.3	1.1	27.1	11.6	0.2	12.1	0.0	3.4	0.2808338	197.0	6.6	148.7	16.7	NA	NA	
Spot 182	308	877.2	2.8	18.9	4.8	0.1	5.5	0.0	2.7	0.4904746	74.5	2.0	82.6	4.4	321.7	109.0	76.8
Spot 183	695	189779.9	2.4	11.2	0.8	2.9	1.6	0.2	1.4	0.8582781	1378.3	16.9	1390.5	12.0	1409.3	15.6	2.2
Spot 184	111	3836.2	4.8	12.1	1.2	2.1	4.8	0.2	4.6	0.969165	1075.4	45.8	1137.6	32.6	1258.4	22.9	14.5
Spot 185	295	23619.8	1.7	15.1	1.5	1.2	1.9	0.1	1.2	0.6141254	790.9	8.8	796.2	10.6	811.0	31.8	2.5
Spot 186	193	25621.9	3.2	12.4	1.1	2.2	1.8	0.2	1.4	0.7694909	1163.4	14.5	1182.5	12.4	1217.5	22.3	4.4
Spot 187	202	8755.9	3.5	14.0	1.2	1.6	1.7	0.2	1.2	0.7273151	972.1	11.0	971.5	10.5	970.0	23.5	-0.2
Spot 188	196	2424.2	1.7	22.1	2.7	0.3	3.1	0.0	1.5	0.4723381	277.0	4.0	245.7	6.8	NA	NA	
Spot 189	751	5673.5	3.3	20.1	1.3	0.2	1.6	0.0	1.1	0.6486337	225.3	2.4	221.4	3.3	180.7	29.1	-24.7
Spot 19	463	11237.7	1.2	19.1	1.9	0.3	3.1	0.0	2.4	0.7814481	276.0	6.5	278.8	7.5	302.8	43.6	8.9
Spot 190	278	8863.1	1.2	19.5	4.3	0.1	4.6	0.0	1.7	0.3774173	57.4	1.0	62.2	2.8	251.5	98.3	77.2
Spot 191	305	2989.5	16.7	21.7	2.1	0.2	2.8	0.0	1.9	0.6711452	236.6	4.4	216.4	5.5	1.4	NA	#####
Spot 192	246	2693.4	2.4	21.0	2.4	0.3	3.1	0.0	2.0	0.6456296	270.3	5.3	251.1	7.0	75.2	56.8	-259.2

Spot 193	271	1531.5	1.9	20.2	11.6	0.1	11.9	0.0	2.7	0.2239134	68.9	1.8	71.9	8.3	171.9	NA	59.9
Spot 194	771	34891.5	11.3	12.1	1.1	2.0	2.0	0.2	1.6	0.8208796	1034.4	15.7	1106.9	13.5	1252.5	22.4	17.4
Spot 195	684	12118.5	1.2	20.3	1.7	0.2	2.4	0.0	1.7	0.7012034	226.9	3.7	220.9	4.7	157.8	39.6	-43.8
Spot 196	647	47743.4	1.3	18.7	2.2	0.3	3.3	0.0	2.5	0.7421937	272.9	6.6	280.7	8.1	346.2	50.3	21.2
Spot 197	204	540782.4	2.0	13.3	1.2	1.8	2.0	0.2	1.6	0.8090962	1012.4	15.1	1030.0	12.9	1067.7	23.6	5.2
Spot 198	232	33057.8	2.0	17.7	1.9	0.3	2.2	0.0	1.2	0.5306615	274.3	3.2	295.5	5.7	467.0	41.6	41.3
Spot 20	674	14269.3	10.7	19.1	1.9	0.3	2.6	0.0	1.8	0.6936717	252.4	4.4	256.9	5.9	298.6	42.4	15.5
Spot 200	383	8616.4	2.3	17.5	3.6	0.3	4.0	0.0	1.7	0.4224318	271.6	4.5	295.9	10.2	492.9	79.5	44.9
Spot 201	240	12322.2	1.1	12.9	0.8	2.0	1.4	0.2	1.1	0.8124001	1126.3	11.5	1126.8	9.3	1127.8	15.9	0.1
Spot 202	253	14249.7	2.4	13.1	1.1	1.7	1.7	0.2	1.3	0.7830902	979.9	12.1	1017.9	10.9	1100.5	21.1	11.0
Spot 203	98	5768.9	1.9	14.5	2.3	1.4	2.5	0.1	1.1	0.4268764	873.9	8.8	880.6	14.8	897.4	47.0	2.6
Spot 205	78	404109.1	5.8	11.9	1.9	2.2	3.7	0.2	3.2	0.8642334	1143.1	33.3	1195.3	25.9	1290.8	36.0	11.4
Spot 206	116	22106.4	2.6	13.6	1.1	1.6	1.5	0.2	1.1	0.6965653	925.2	9.1	958.2	9.4	1034.6	22.0	10.6
Spot 207	179	1940.7	1.2	20.9	2.6	0.3	2.9	0.0	1.3	0.4450693	272.9	3.4	255.0	6.5	92.9	60.9	-193.8
Spot 209	520	74302.2	4.2	11.5	0.9	2.7	1.7	0.2	1.4	0.8416187	1324.8	17.3	1336.1	12.8	1354.3	17.9	2.2
Spot 21	747	20351.7	0.8	21.4	1.2	0.2	2.1	0.0	1.6	0.7977844	191.7	3.1	180.5	3.4	35.6	29.8	-437.8
Spot 210	571	9439.6	10.6	19.4	1.2	0.3	1.7	0.0	1.2	0.7246843	279.5	3.4	277.7	4.1	262.7	27.0	-6.4
Spot 211	85	33694.5	3.8	14.1	1.4	1.5	1.8	0.1	1.2	0.6378264	900.2	9.8	915.6	11.1	952.8	28.9	5.5
Spot 212	463	5649.0	1.7	20.3	1.5	0.3	2.2	0.0	1.6	0.7141867	287.0	4.4	273.3	5.3	157.7	36.0	-82.0
Spot 214	164	5883.2	4.6	14.6	1.2	1.4	1.7	0.1	1.3	0.7204351	898.7	10.5	895.0	10.3	885.8	24.9	-1.5
Spot 215	165	2134.5	2.5	20.5	4.4	0.2	5.3	0.0	3.0	0.568173	179.9	5.3	177.2	8.6	140.6	102.5	-28.0
Spot 217	136	1461.1	5.6	23.6	8.7	0.1	9.5	0.0	3.7	0.3928203	100.5	3.7	89.0	8.1	NA	NA	
Spot 218	1092	106077.9	27.7	12.4	0.9	2.2	1.7	0.2	1.4	0.8468915	1173.0	15.4	1187.5	11.9	1214.1	17.8	3.4
Spot 22	94	30066.0	1.1	11.1	2.1	3.1	3.6	0.2	3.0	0.8211351	1435.4	38.5	1434.2	28.0	1432.3	39.6	-0.2
Spot 221	55	876.6	2.4	21.1	9.2	0.3	10.3	0.0	4.6	0.4509762	251.9	11.4	234.7	21.5	66.5	NA	-278.8
Spot 222	843	22464.0	2.1	18.9	1.0	0.3	1.6	0.0	1.2	0.7686923	283.6	3.4	287.4	3.9	318.7	22.9	11.0
Spot 223	455	58690.0	3.6	9.7	0.9	4.2	1.7	0.3	1.4	0.820411	1649.7	19.7	1666.8	13.5	1688.5	17.4	2.3
Spot 224	1295	159471.7	1.1	19.2	0.9	0.3	1.7	0.0	1.4	0.8378552	290.5	4.0	289.7	4.2	283.4	20.9	-2.5
Spot 225	69	3818.1	3.7	13.7	1.8	1.8	2.6	0.2	1.9	0.7233	1054.3	18.1	1041.0	16.7	1013.2	36.0	-4.1
Spot 226	240	2462.8	2.8	22.5	2.3	0.2	3.8	0.0	3.0	0.7887867	162.0	4.8	146.8	5.2	NA	NA	
Spot 227	154	27982.4	2.6	20.5	1.9	0.4	3.2	0.1	2.5	0.7936519	361.4	8.8	333.2	9.0	140.9	45.3	-156.6
Spot 228	281	54746.3	2.3	12.6	1.1	2.1	1.6	0.2	1.2	0.7591505	1149.3	13.1	1162.5	11.4	1187.1	21.1	3.2
Spot 229	182	24393.5	2.1	11.3	1.1	2.9	2.3	0.2	2.0	0.8659778	1357.2	23.9	1369.2	17.0	1388.1	21.7	2.2
Spot 231	606	30421.4	3.1	10.7	0.7	3.1	1.2	0.2	1.0	0.8273956	1382.6	11.9	1425.5	8.9	1490.0	12.3	7.2
Spot 232	200	9876.1	1.6	12.5	1.5	2.0	3.1	0.2	2.7	0.8697172	1081.0	26.9	1121.8	21.1	1201.7	30.3	10.0
Spot 234	425	8367.4	1.7	19.7	1.7	0.3	2.6	0.0	2.0	0.7616329	274.4	5.4	270.1	6.3	232.9	39.5	-17.8
Spot 235	257	32305.3	1.6	13.7	1.2	1.8	2.0	0.2	1.7	0.8230527	1042.9	16.1	1035.5	13.2	1019.8	23.4	-2.3
Spot 236	173	67443.4	4.8	13.7	1.2	1.6	2.6	0.2	2.3	0.8835009	927.2	20.0	952.3	16.2	1010.9	24.9	8.3
Spot 237	147	48028.4	1.9	16.0	3.1	0.7	3.4	0.1	1.4	0.4085068	483.0	6.4	519.6	13.8	683.9	66.0	29.4
Spot 238	257	6485.8	2.0	17.1	1.0	0.7	2.4	0.1	2.1	0.9067628	566.1	11.6	562.5	10.2	547.8	21.7	-3.3
Spot 239	448	122093.4	1.3	19.3	1.1	0.3	1.9	0.0	1.6	0.8213586	225.6	3.5	230.2	4.0	277.7	25.1	18.8
Spot 24	155	6800.0	2.8	13.0	1.2	2.0	2.3	0.2	2.0	0.8601445	1103.8	20.1	1107.6	15.6	1115.1	23.5	1.0
Spot 240	344	49729.5	5.7	12.9	1.1	2.1	1.5	0.2	1.0	0.7017595	1133.7	10.8	1133.2	10.1	1132.0	20.9	-0.1

Spot 242	166	9564.8	3.3	13.4	1.5	1.6	3.9	0.2	3.6	0.9248601	915.9	30.9	960.0	24.3	1062.5	29.9	13.8
Spot 243	814	3223.2	3.4	21.6	3.9	0.1	4.2	0.0	1.7	0.4015656	68.1	1.2	66.5	2.7	7.1	NA	-855.5
Spot 244	432	8046.3	1.2	20.4	2.1	0.2	2.4	0.0	1.2	0.4970963	180.4	2.1	178.5	3.9	152.6	48.9	-18.3
Spot 245	260	96226.6	1.6	11.1	1.3	2.9	2.2	0.2	1.7	0.788887	1362.4	21.1	1385.1	16.5	1420.2	25.6	4.1
Spot 246	630	33476.0	1.5	19.1	1.0	0.3	1.5	0.0	1.1	0.7237105	284.7	3.1	285.9	3.8	295.2	23.9	3.5
Spot 247	158	2334.5	2.4	19.5	3.7	0.3	4.1	0.0	1.6	0.3934404	266.7	4.2	264.8	9.5	247.6	85.9	-7.7
Spot 248	1113	44417.8	12.3	13.4	0.8	1.7	1.4	0.2	1.2	0.8084245	1004.0	10.7	1020.6	9.2	1056.5	16.9	5.0
Spot 249	530	46523.6	1.1	19.6	2.0	0.2	2.6	0.0	1.8	0.6618393	165.6	2.9	170.3	4.1	235.8	45.8	29.8
Spot 25	315	5060.3	2.3	19.2	1.7	0.5	2.2	0.1	1.3	0.6077101	454.3	5.8	427.1	7.5	283.3	39.3	-60.4
Spot 250	736	1884.1	4.3	22.7	3.5	0.1	4.1	0.0	2.1	0.5256768	71.3	1.5	66.4	2.6	NA	NA	
Spot 251	263	18860.2	3.6	16.3	2.1	0.8	2.6	0.1	1.6	0.6059705	614.0	9.2	622.3	12.1	652.6	44.4	5.9
Spot 252	562	29588.9	4.1	13.9	0.9	1.4	1.7	0.1	1.5	0.8403881	866.0	11.9	901.5	10.4	989.7	19.2	12.5
Spot 253	103	2980.8	1.6	20.2	4.6	0.2	5.4	0.0	2.7	0.508702	200.9	5.4	198.2	9.7	165.5	108.6	-21.4
Spot 254	160	22574.4	2.5	14.3	1.1	1.5	1.7	0.2	1.3	0.7573445	904.1	11.1	911.9	10.5	930.8	23.4	2.9
Spot 255	237	3357.3	0.9	20.3	1.8	0.3	2.5	0.0	1.7	0.6806065	285.6	4.8	272.4	6.0	160.1	42.8	-78.5
Spot 256	757	24806.7	1.8	13.9	0.9	1.5	1.8	0.2	1.6	0.8746562	910.6	13.2	931.3	10.9	980.9	17.6	7.2
Spot 257	158	794.4	3.6	34.6	2.5	0.2	3.1	0.0	1.8	0.5938545	277.8	5.0	164.1	4.7	NA	NA	
Spot 259	412	89897.1	2.0	16.3	1.0	0.9	1.8	0.1	1.5	0.8419823	639.0	9.2	641.6	8.5	650.6	20.8	1.8
Spot 26	305	18327.8	4.0	12.7	1.0	2.2	1.6	0.2	1.2	0.7879889	1206.0	13.5	1189.2	10.9	1158.9	19.0	-4.1
Spot 260	266	31060.7	1.4	14.3	1.2	1.5	1.9	0.2	1.4	0.7479882	906.4	11.8	912.5	11.2	927.6	25.4	2.3
Spot 262	394	197301.9	3.2	10.7	0.7	3.4	1.6	0.3	1.4	0.8886382	1494.5	19.1	1497.0	12.6	1500.6	14.0	0.4
Spot 263	295	19997.0	1.7	14.4	1.2	1.5	2.1	0.2	1.7	0.8275565	928.0	14.9	924.3	12.7	915.7	24.2	-1.3
Spot 265	259	7373.6	3.8	14.4	1.5	1.4	2.1	0.1	1.5	0.6940429	882.4	12.1	891.8	12.6	915.0	31.4	3.6
Spot 266	584	22826.2	1.2	19.6	1.1	0.3	1.7	0.0	1.4	0.7895133	265.6	3.6	263.6	4.0	245.8	24.4	-8.1
Spot 267	342	21837.1	1.7	19.1	1.4	0.3	1.9	0.0	1.3	0.6764066	263.3	3.2	267.3	4.4	302.6	31.1	13.0
Spot 268	417	16416.9	1.6	19.9	1.6	0.2	1.9	0.0	1.0	0.5530991	222.9	2.3	221.2	3.7	203.0	36.5	-9.8
Spot 269	295	6578.9	1.5	19.9	2.4	0.3	2.6	0.0	1.1	0.4158393	239.3	2.5	236.7	5.5	211.1	55.0	-13.4
Spot 27	151	314714.7	2.1	12.6	1.4	2.1	2.0	0.2	1.4	0.7132069	1144.4	14.9	1158.0	13.8	1183.6	27.7	3.3
Spot 270	594	10215.5	9.0	15.5	1.4	0.6	2.1	0.1	1.6	0.7708488	422.2	6.7	477.4	8.1	751.8	28.7	43.8
Spot 273	187	100649.3	5.3	11.4	0.9	2.9	1.4	0.2	1.1	0.7800432	1393.8	13.3	1384.9	10.3	1371.2	16.4	-1.6
Spot 276	670	#####	1.1	20.2	1.4	0.3	2.9	0.0	2.5	0.8705269	276.7	6.8	265.8	6.7	170.9	32.9	-62.0
Spot 277	164	16029.5	3.0	14.5	0.8	1.5	2.2	0.2	2.0	0.92583	919.9	17.3	913.7	13.2	898.7	17.0	-2.4
Spot 278	68	5105.6	1.2	13.2	2.0	1.9	2.6	0.2	1.6	0.6275237	1085.9	16.1	1088.3	17.1	1093.0	39.9	0.6
Spot 279	713	35771.2	9.0	17.2	0.9	0.6	1.5	0.1	1.2	0.805266	491.7	5.5	500.0	5.7	538.5	18.9	8.7
Spot 28	890	102141.1	6.2	13.8	0.7	1.5	1.4	0.2	1.2	0.8604	928.5	10.0	949.3	8.3	998.0	14.0	7.0
Spot 280	133	68424.9	5.6	12.4	1.3	2.3	2.0	0.2	1.5	0.7399362	1227.7	16.5	1220.8	14.2	1208.7	26.5	-1.6
Spot 281	189	2270.6	1.7	20.3	3.0	0.3	3.8	0.0	2.4	0.6161147	240.8	5.6	233.6	8.0	160.9	70.4	-49.7
Spot 282	522	7377.0	1.1	19.6	1.9	0.3	2.3	0.0	1.3	0.5650747	281.1	3.5	277.4	5.5	246.2	43.3	-14.2
Spot 283	240	10091.7	4.3	14.4	1.2	1.5	1.9	0.2	1.4	0.7499589	914.3	12.1	911.7	11.4	905.4	25.7	-1.0
Spot 284	355	88276.2	1.5	18.7	2.6	0.3	3.2	0.0	1.8	0.5674827	294.7	5.2	301.1	8.3	350.8	59.2	16.0
Spot 285	594	12340.3	1.8	19.6	1.5	0.3	2.4	0.0	1.8	0.756006	284.1	4.9	279.7	5.7	243.5	35.4	-16.7
Spot 286	525	8800.7	3.8	19.5	1.9	0.3	2.3	0.0	1.4	0.6032418	237.2	3.3	238.4	5.0	249.4	43.0	4.9
Spot 287	447	44894.7	1.4	19.7	2.0	0.3	4.1	0.0	3.6	0.8723552	293.5	10.4	286.6	10.3	230.8	46.8	-27.2

Spot 289	499	201411.7	2.2	9.9	0.8	3.6	1.3	0.3	1.0	0.7527313	1492.7	12.7	1555.3	10.1	1641.3	15.5	9.1
Spot 29	384	14276.6	1.8	19.5	1.4	0.3	2.4	0.0	2.0	0.811473	279.1	5.4	276.5	5.9	255.0	32.7	-9.4
Spot 291	185	14735.6	2.7	13.3	1.2	1.9	1.9	0.2	1.4	0.7592807	1071.6	14.1	1072.2	12.5	1073.4	24.6	0.2
Spot 292	299	17546.6	3.0	13.6	1.0	1.8	1.7	0.2	1.4	0.8073294	1042.3	13.3	1037.3	11.1	1026.7	20.4	-1.5
Spot 293	93	12213.1	1.1	12.8	1.8	2.0	2.4	0.2	1.6	0.6537667	1094.2	16.0	1110.4	16.5	1142.2	36.7	4.2
Spot 294	945	69289.0	1.9	19.7	1.4	0.3	2.0	0.0	1.5	0.7427585	285.6	4.2	279.8	5.0	231.6	31.6	-23.3
Spot 295	451	245335.6	2.4	15.2	2.3	1.0	4.5	0.1	3.9	0.8626113	703.5	26.1	728.3	23.6	805.4	48.1	12.7
Spot 296	234	18764.0	5.5	11.6	1.6	2.8	1.9	0.2	1.2	0.5948574	1372.2	14.2	1357.9	14.5	1335.6	30.1	-2.7
Spot 297	174	5987.0	2.1	12.7	2.0	2.1	2.8	0.2	2.0	0.7050113	1140.7	21.0	1147.6	19.5	1160.6	40.0	1.7
Spot 298	393	38795.6	3.2	12.8	0.6	2.1	1.7	0.2	1.6	0.9257558	1144.8	16.4	1148.1	11.6	1154.3	12.7	0.8
Spot 299	522	4767.4	1.1	20.5	1.4	0.3	1.9	0.0	1.3	0.6968263	273.6	3.6	260.2	4.4	141.5	32.1	-93.4
Spot 3	309	15421.5	3.4	12.6	1.2	2.2	1.6	0.2	1.2	0.7063246	1204.2	12.7	1195.2	11.5	1178.9	22.8	-2.1
Spot 30	432	18971.4	3.7	12.7	0.8	2.2	1.7	0.2	1.5	0.8757086	1198.4	16.0	1184.7	11.7	1159.6	16.0	-3.3
Spot 301	547	29764.6	40.8	13.2	1.6	1.9	2.8	0.2	2.3	0.8278695	1095.0	23.4	1091.4	18.7	1084.1	31.5	-1.0
Spot 302	432	11042.4	1.3	18.7	2.5	0.3	2.8	0.0	1.3	0.4533186	286.2	3.6	292.6	7.1	343.5	56.7	16.7
Spot 303	156	7997.9	1.5	18.1	1.9	0.6	2.9	0.1	2.1	0.7486512	462.9	9.5	455.0	10.5	415.3	42.3	-11.5
Spot 304	647	9611.0	15.1	12.2	1.7	0.7	2.6	0.1	1.9	0.7490169	392.4	7.4	544.1	10.9	1243.7	33.5	68.4
Spot 305	216	20083.5	1.5	18.8	2.1	0.3	2.6	0.0	1.6	0.6081622	278.4	4.4	285.2	6.6	341.4	47.5	18.5
Spot 306	684	18949.9	10.5	16.7	1.2	0.7	2.5	0.1	2.2	0.8866663	494.8	10.6	514.5	10.1	603.1	25.1	18.0
Spot 308	103	10900.7	1.9	13.6	1.0	1.7	1.9	0.2	1.6	0.8440627	976.6	14.8	994.0	12.2	1032.6	21.0	5.4
Spot 309	381	8002.9	4.0	19.4	2.3	0.3	2.8	0.0	1.7	0.5960558	285.9	4.7	283.1	7.0	260.2	52.1	-9.9
Spot 31	256	114110.6	0.6	11.9	0.8	2.6	1.6	0.2	1.4	0.8608486	1315.4	16.3	1307.1	11.7	1293.5	15.8	-1.7
Spot 310	249	5196.0	1.3	19.2	4.2	0.2	5.2	0.0	3.1	0.5909747	184.7	5.6	192.6	9.1	290.9	95.4	36.5
Spot 311	649	18808.1	1.4	17.4	1.7	0.6	2.3	0.1	1.5	0.6733492	465.0	6.8	471.6	8.5	503.8	36.8	7.7
Spot 313	144	3139.5	2.3	21.5	4.5	0.3	5.3	0.0	2.8	0.5225574	276.6	7.5	251.7	11.9	25.0	NA	-1007.0
Spot 314	90	12989.2	3.4	14.6	1.4	1.4	2.1	0.2	1.6	0.7472688	905.7	13.2	897.3	12.4	876.5	28.7	-3.3
Spot 315	124	6656.9	1.6	12.8	2.2	2.1	3.0	0.2	2.0	0.6779505	1151.2	21.5	1151.3	20.7	1151.5	44.0	0.0
Spot 32	151	20654.6	1.8	12.1	1.0	2.5	1.8	0.2	1.5	0.8374612	1292.7	17.6	1279.7	13.1	1257.9	19.2	-2.8
Spot 33	1311	13277.5	0.8	21.5	1.8	0.1	2.7	0.0	2.0	0.7520436	56.2	1.1	55.5	1.4	27.5	NA	-104.4
Spot 34	63	1046.1	1.5	20.6	16.0	0.2	16.3	0.0	3.2	0.1960289	177.1	5.6	173.6	26.0	126.6	NA	-39.9
Spot 35	400	4927.5	1.7	20.3	3.4	0.2	5.0	0.0	3.6	0.7297658	171.5	6.2	170.8	7.8	160.9	79.8	-6.6
Spot 36	1579	78593.3	26.5	13.9	0.7	1.4	1.4	0.1	1.1	0.8431063	878.5	9.4	907.5	8.1	978.6	14.8	10.2
Spot 37	44	8704.5	1.7	16.2	4.2	0.7	5.9	0.1	4.2	0.7070747	508.5	20.5	537.8	24.8	664.1	90.0	23.4
Spot 38	160	9235.0	2.9	14.5	2.5	1.5	4.5	0.2	3.7	0.8349083	931.8	32.5	920.7	27.2	894.2	51.0	-4.2
Spot 39	93	12673.5	2.5	12.5	1.9	2.2	2.4	0.2	1.5	0.6308697	1168.6	16.2	1180.6	16.7	1202.5	36.7	2.8
Spot 4	1012	7571.4	14.5	20.3	1.6	0.2	2.2	0.0	1.5	0.6949774	230.8	3.5	224.6	4.4	160.1	37.0	-44.2
Spot 40	167	22704.2	2.2	12.9	1.2	2.0	2.0	0.2	1.6	0.7863719	1100.9	15.8	1113.4	13.5	1137.9	24.4	3.3
Spot 41	145	9745.4	2.6	12.3	2.2	2.2	2.7	0.2	1.6	0.5876191	1144.7	16.5	1174.7	18.7	1230.4	42.6	7.0
Spot 42	156	26292.9	2.1	18.8	3.0	0.3	4.4	0.0	3.2	0.7235943	286.3	8.8	291.3	11.0	331.4	68.2	13.6
Spot 43	151	34600.8	1.7	12.3	1.2	2.3	1.9	0.2	1.5	0.7733722	1208.0	16.3	1212.4	13.6	1220.3	23.9	1.0
Spot 44	465	40829.6	17.1	19.0	1.8	0.3	2.5	0.0	1.7	0.6764602	257.4	4.2	262.5	5.7	309.0	41.3	16.7
Spot 46	214	23056.3	1.6	17.8	3.4	0.3	3.7	0.0	1.5	0.4038843	253.7	3.7	274.8	9.0	458.6	75.7	44.7
Spot 47	62	18580.7	1.1	12.5	2.3	1.9	4.8	0.2	4.2	0.8811855	1035.4	40.6	1090.4	32.2	1202.0	44.9	13.9

Spot 48	96	3911.4	1.8	16.9	6.2	0.2	7.5	0.0	4.3	0.5687789	173.7	7.3	204.3	13.9	573.1	134.5	69.7
Spot 49	264	1406.3	3.6	25.3	4.6	0.1	5.0	0.0	2.1	0.4210005	99.3	2.1	82.3	4.0	NA	NA	
Spot 5	66	8060.9	2.2	12.5	1.8	2.2	2.9	0.2	2.3	0.7946621	1155.0	24.7	1170.5	20.4	1199.3	35.2	3.7
Spot 50	77	3606.4	1.2	18.0	5.9	0.2	7.1	0.0	3.9	0.5516819	199.4	7.6	218.4	13.9	428.7	131.2	53.5
Spot 52	274	9028.7	2.0	13.8	1.1	1.7	1.7	0.2	1.3	0.7757011	1041.6	12.8	1026.0	11.1	993.0	22.0	-4.9
Spot 53	240	38862.5	0.9	8.2	0.8	6.2	1.3	0.4	1.0	0.8025975	2023.7	18.0	2000.1	11.3	1975.7	13.7	-2.4
Spot 54	87	2375.5	0.8	19.8	5.9	0.2	7.4	0.0	4.4	0.6005617	191.1	8.4	192.9	13.0	215.2	137.2	11.2
Spot 55	152	18644.9	2.6	14.2	0.8	1.5	1.5	0.2	1.2	0.8291333	927.6	10.7	931.8	9.1	941.8	17.2	1.5
Spot 56	161	8722.4	2.6	19.0	3.1	0.4	6.1	0.1	5.2	0.8578907	317.2	16.1	316.5	16.5	311.2	70.8	-1.9
Spot 57	377	3403.7	1.6	21.4	1.7	0.3	2.2	0.0	1.4	0.6316073	298.2	4.1	270.7	5.3	38.5	NA	-674.3
Spot 58	720	254702.2	2.0	16.5	1.3	0.7	1.9	0.1	1.5	0.7632555	548.5	7.8	562.7	8.4	620.4	27.1	11.6
Spot 59	101	10549.8	1.7	16.5	2.9	0.7	4.7	0.1	3.7	0.7857054	484.3	17.2	509.3	18.8	623.3	62.7	22.3
Spot 6	431	25666.6	1.9	18.7	2.1	0.3	2.6	0.0	1.5	0.5610969	280.1	4.0	287.6	6.5	349.4	48.4	19.8
Spot 61	222	2109.3	1.1	20.8	2.9	0.3	4.3	0.0	3.1	0.7258612	240.8	7.3	228.4	8.7	102.1	69.3	-136.0
Spot 62	620	840362.6	19.5	11.4	0.9	2.8	1.6	0.2	1.3	0.8434339	1335.0	16.1	1347.5	11.8	1367.3	16.4	2.4
Spot 64	187	295339.5	2.6	14.5	1.2	1.4	3.2	0.1	2.9	0.9272302	890.1	24.5	892.0	18.9	896.4	24.6	0.7
Spot 65	199	1601.3	1.7	21.9	3.4	0.3	3.8	0.0	1.7	0.4542837	285.9	4.8	255.3	8.5	NA	NA	
Spot 66	1117	5205.7	1.5	21.4	1.5	0.2	2.1	0.0	1.5	0.7166822	166.4	2.5	158.2	3.1	37.0	35.7	-349.6
Spot 67	72	9128.3	4.7	12.5	2.1	1.8	6.1	0.2	5.7	0.9372974	1000.0	52.6	1061.2	39.9	1189.2	41.7	15.9
Spot 68	343	31345.1	4.5	19.3	1.7	0.3	2.9	0.0	2.3	0.8058171	234.7	5.3	238.7	6.1	278.1	38.7	15.6
Spot 69	240	894.9	2.0	29.0	4.0	0.1	5.0	0.0	3.0	0.6092438	179.4	5.4	128.0	6.0	NA	NA	
Spot 7	1663	26003.2	1.2	19.1	1.0	0.3	1.6	0.0	1.2	0.7858618	274.6	3.4	276.8	3.9	295.3	22.4	7.0
Spot 70	73	1508.5	0.8	22.7	7.8	0.2	9.0	0.0	4.6	0.5045958	180.7	8.1	162.0	13.5	NA	NA	
Spot 71	463	34810.7	4.8	19.1	2.5	0.3	3.0	0.0	1.8	0.5897311	246.3	4.3	250.9	6.8	294.3	56.1	16.3
Spot 72	234	25066.4	2.2	12.6	0.9	2.2	1.7	0.2	1.4	0.8458924	1177.6	15.4	1177.1	11.8	1176.1	17.9	-0.1
Spot 73	198	14805.2	2.4	18.6	4.3	0.2	5.4	0.0	3.2	0.5983937	131.4	4.2	144.3	7.2	361.8	97.4	63.7
Spot 74	98	2937.7	1.6	17.1	4.0	0.4	4.5	0.1	2.0	0.4428129	315.5	6.1	344.4	13.0	544.1	87.5	42.0
Spot 75	422	19910.6	2.3	12.3	0.6	2.5	1.5	0.2	1.4	0.9243157	1287.1	16.6	1265.9	11.2	1230.2	11.5	-4.6
Spot 76	459	11877.5	1.8	18.8	2.7	0.3	3.1	0.0	1.4	0.4695961	243.6	3.4	252.1	6.8	332.1	61.4	26.6
Spot 77	349	12266.7	1.2	17.7	1.5	0.6	2.2	0.1	1.6	0.7190488	475.5	7.2	474.4	8.3	469.3	33.8	-1.3
Spot 79	776	7473.4	18.3	20.8	1.4	0.2	1.9	0.0	1.4	0.7107685	237.4	3.2	225.7	3.9	105.2	32.1	-125.6
Spot 8	122	9800.7	2.0	13.5	2.7	1.6	3.2	0.2	1.7	0.5350175	961.2	15.3	987.9	20.2	1048.0	54.4	8.3
Spot 80	130	1461.9	1.8	22.9	4.3	0.3	6.9	0.0	5.4	0.7819407	279.4	14.8	240.2	14.8	NA	NA	
Spot 82	194	9145.1	2.0	14.0	1.3	1.6	1.8	0.2	1.3	0.7235543	944.6	11.6	954.0	11.3	975.7	25.7	3.2
Spot 83	230	172626.1	2.4	12.7	1.0	2.2	1.8	0.2	1.4	0.8038437	1173.7	15.1	1169.0	12.2	1160.1	20.7	-1.2
Spot 84	404	10198.9	2.3	19.9	1.7	0.3	2.3	0.0	1.5	0.6594862	286.6	4.2	278.3	5.5	209.6	39.6	-36.7
Spot 85	71	3786.7	2.8	14.7	2.2	1.3	2.8	0.1	1.8	0.6409285	863.6	14.8	866.6	16.6	874.2	45.3	1.2
Spot 86	156	4378.6	1.8	21.0	4.4	0.2	4.8	0.0	2.0	0.4170713	210.7	4.1	199.9	8.7	74.2	NA	-183.9
Spot 88	492	205600.9	2.4	10.8	1.2	3.0	1.9	0.2	1.5	0.7896748	1385.9	18.8	1419.8	14.6	1470.9	22.2	5.8
Spot 89	172	6101.6	1.8	20.2	2.6	0.3	3.2	0.0	1.9	0.6000296	290.1	5.5	277.7	7.9	174.9	60.6	-65.8
Spot 9	159	33834.3	3.5	12.8	0.9	2.0	2.4	0.2	2.3	0.9321492	1124.0	23.4	1132.1	16.6	1147.7	17.5	2.1
Spot 90	181	22954.4	1.1	12.0	1.0	2.5	1.8	0.2	1.5	0.8441037	1271.3	17.6	1270.8	13.1	1269.8	18.9	-0.1
Spot 91	41	4267.8	1.8	13.3	1.8	1.9	2.3	0.2	1.5	0.6411082	1099.6	15.2	1090.2	15.7	1071.5	36.2	-2.6

Spot 92	134	27218.3	2.4	14.5	2.1	1.5	3.2	0.2	2.4	0.7550511	936.7	20.8	925.6	19.2	899.4	42.8	-4.1
Spot 93	137	8475.2	1.6	12.4	1.5	2.2	2.2	0.2	1.6	0.7382121	1189.3	17.7	1196.7	15.5	1210.2	29.2	1.7
Spot 95	567	14663.4	5.7	16.6	2.2	0.5	2.5	0.1	1.3	0.5084743	396.1	4.9	429.4	8.8	612.3	46.5	35.3
Spot 96	374	13091.4	4.3	19.7	1.9	0.3	2.5	0.0	1.7	0.6710478	244.4	4.1	242.7	5.4	226.0	43.2	-8.1
Spot 97	668	22606.2	3.9	13.8	1.5	1.6	2.4	0.2	1.9	0.7876913	970.8	17.4	980.1	15.4	1000.9	30.6	3.0
Spot 98	537	6230.7	1.9	19.3	2.1	0.3	2.9	0.0	2.0	0.6812623	278.3	5.4	277.9	7.0	274.4	48.5	-1.4
Run 1 (discordant)																	
Spot 106	289	46892.0	2.9	11.9	1.0	2.8	1.8	0.2	1.5	0.8383974	1385.9	18.8	1352.0	13.5	1298.8	19.1	-6.7
Spot 107	189	7042.9	2.2	14.7	1.3	1.5	1.8	0.2	1.2	0.6601156	936.2	10.2	916.6	10.7	869.7	27.7	-7.6
Spot 109	297	96607.2	1.7	8.7	1.5	3.9	2.6	0.2	2.2	0.8225148	1430.0	27.8	1620.4	21.3	1877.3	27.0	23.8
Spot 11	419	11804.5	4.0	14.3	0.8	1.6	1.7	0.2	1.5	0.8780885	1007.5	14.2	980.1	10.9	919.4	17.0	-9.6
Spot 110	246	21617.7	1.1	13.7	1.3	1.8	1.8	0.2	1.3	0.7287204	1078.5	13.4	1055.0	12.1	1006.6	25.6	-7.1
Spot 111	462	126881.5	2.1	13.2	3.2	2.3	4.3	0.2	2.8	0.6525495	1262.1	31.9	1198.6	30.0	1086.0	64.8	-16.2
Spot 112	83	2072.4	3.9	16.1	1.6	1.2	2.6	0.1	2.1	0.7992152	874.9	17.1	822.0	14.7	681.5	33.5	-28.4
Spot 115	42	12871.4	2.6	10.7	3.4	2.5	4.7	0.2	3.4	0.7074638	1149.7	35.3	1273.9	34.4	1490.0	63.5	22.8
Spot 117	136	3252.6	1.2	18.6	5.0	0.3	10.6	0.0	9.3	0.8824936	220.3	20.2	232.3	22.0	355.3	112.4	38.0
Spot 119	21	991.2	3.7	15.8	5.7	1.4	7.0	0.2	4.1	0.5852841	935.1	35.6	873.4	41.0	720.2	120.5	-29.8
Spot 127	71	7235.5	0.8	15.0	1.4	1.3	1.9	0.1	1.3	0.6702897	881.7	10.3	864.3	10.9	819.7	29.0	-7.6
Spot 14	165	7160.4	2.9	10.4	4.0	2.0	4.3	0.2	1.5	0.3629806	912.4	13.2	1123.4	29.0	1557.9	74.6	41.4
Spot 149	134	14300.4	1.4	15.3	3.1	1.4	7.7	0.2	7.1	0.9154025	930.6	61.4	886.9	45.8	779.4	65.5	-19.4
Spot 151	254	19673.0	3.2	10.9	4.9	2.2	9.6	0.2	8.2	0.8586532	1031.0	78.3	1178.9	66.8	1461.5	93.3	29.5
Spot 152	143	7174.2	0.7	23.1	3.8	0.3	30.2	0.0	30.0	0.9919806	266.2	78.2	227.7	61.8	NA	NA	
Spot 154	114	5096.7	1.0	14.3	1.2	1.6	1.6	0.2	1.2	0.7118507	984.9	10.7	965.8	10.3	922.5	23.8	-6.8
Spot 155	259	45356.2	4.3	13.1	4.1	2.7	11.3	0.3	10.6	0.9337758	1477.6	139.6	1333.6	84.2	1109.2	81.0	-33.2
Spot 163	433	5629.2	1.3	23.7	2.4	0.2	14.3	0.0	14.0	0.9854819	198.9	27.5	169.9	22.3	NA	NA	
Spot 166	244	37897.0	8.7	14.4	0.9	1.6	1.7	0.2	1.4	0.8570534	983.6	13.2	959.4	10.5	904.1	17.9	-8.8
Spot 171	377	7233.6	1.6	22.5	2.1	0.3	17.4	0.0	17.2	0.9929379	290.5	49.0	252.8	38.9	NA	NA	
Spot 175	126	593.7	1.8	29.8	6.7	0.1	10.8	0.0	8.5	0.7852573	193.6	16.1	133.9	13.5	NA	NA	
Spot 178	59	3633.1	1.7	18.2	4.3	0.7	17.4	0.1	16.8	0.9693787	596.6	96.0	558.6	74.8	406.4	95.5	-46.8
Spot 18	262	22092.7	3.4	12.2	0.9	2.7	2.2	0.2	2.0	0.9109932	1389.3	25.3	1335.9	16.5	1251.1	17.9	-11.0
Spot 199	125	74949.2	3.9	13.5	4.4	2.1	8.5	0.2	7.3	0.8524485	1209.8	80.0	1151.7	58.7	1043.8	89.8	-15.9
Spot 2	139	5049.2	2.4	14.7	1.3	1.5	3.0	0.2	2.7	0.8994381	930.9	23.1	911.4	17.8	864.7	26.8	-7.7
Spot 204	32	4500.4	3.2	15.3	2.2	1.3	3.0	0.1	2.0	0.6740317	892.9	17.1	862.4	17.7	784.9	47.2	-13.8
Spot 208	576	18699.8	0.3	11.2	1.7	2.2	2.6	0.2	2.0	0.7615086	1054.6	19.2	1174.3	18.0	1402.0	32.1	24.8
Spot 213	27	3380.8	2.4	19.1	7.4	0.2	12.0	0.0	9.4	0.7863961	202.2	18.8	210.0	22.7	297.8	169.1	32.1
Spot 216	226	4479.0	2.5	21.2	3.3	0.2	9.1	0.0	8.4	0.9296265	178.6	14.8	170.3	14.2	56.5	NA	-216.0
Spot 219	18	1352.0	0.3	15.9	4.9	1.8	8.3	0.2	6.7	0.8105993	1196.9	73.4	1034.9	53.9	706.8	103.4	-69.3
Spot 220	146	894.5	2.6	53.8	13.5	0.0	32.9	0.0	30.0	0.9118153	120.6	35.9	47.9	15.4	NA	NA	
Spot 23	44	4102.5	1.5	13.5	2.1	2.0	2.8	0.2	1.8	0.6663395	1131.5	19.2	1102.5	18.7	1045.5	41.7	-8.2
Spot 230	132	25484.1	4.4	12.9	1.3	2.5	1.6	0.2	1.0	0.6019421	1371.0	12.0	1280.5	11.7	1131.7	25.6	-21.1
Spot 233	730	20615.7	9.7	14.2	1.0	1.2	2.3	0.1	2.1	0.9085678	726.3	14.4	782.6	12.6	946.9	19.7	23.3
Spot 241	169	25402.1	2.7	12.9	0.9	2.2	1.8	0.2	1.5	0.8663161	1199.6	16.9	1178.9	12.4	1141.3	17.7	-5.1
Spot 258	193	9339.9	3.9	7.9	4.0	3.9	4.3	0.2	1.5	0.3565532	1292.3	17.9	1612.2	34.7	2059.5	70.8	37.3

Spot 261	133	3069.3	3.3	14.9	1.0	1.4	1.9	0.2	1.6	0.8408587	912.7	13.4	893.3	11.1	845.7	21.1	-7.9
Spot 264	55	3006.9	3.2	15.0	2.7	1.4	6.0	0.1	5.4	0.8973944	887.9	44.7	872.1	35.2	832.2	55.3	-6.7
Spot 271	237	9494.8	3.5	13.8	1.6	1.8	2.3	0.2	1.7	0.7267268	1051.9	16.5	1034.2	15.1	996.8	32.6	-5.5
Spot 272	303	109880.2	1.7	13.5	1.6	1.2	3.0	0.1	2.5	0.8363107	722.0	17.2	804.7	16.7	1040.8	33.3	30.6
Spot 274	22	1287.0	2.2	15.2	3.7	1.4	4.4	0.2	2.5	0.5587065	949.4	21.8	905.3	26.4	799.3	76.7	-18.8
Spot 275	91	809.9	1.5	25.9	25.1	0.2	28.8	0.0	14.0	0.4884643	209.7	29.0	164.7	43.7	NA	NA	
Spot 288	162	8323.3	1.2	16.0	1.5	1.1	2.1	0.1	1.4	0.6868541	757.2	10.1	740.9	10.9	691.9	32.0	-9.4
Spot 290	517	7143.0	5.3	24.4	2.8	0.3	18.7	0.0	18.5	0.9886936	295.8	53.5	238.4	39.8	NA	NA	
Spot 300	62	2952.4	2.6	19.9	2.9	1.3	3.2	0.2	1.5	0.4639574	1104.8	15.2	844.1	18.5	208.7	66.2	-429.3
Spot 307	72	12209.8	3.4	11.1	7.4	2.6	30.9	0.2	30.0	0.9710694	1225.7	335.2	1299.9	230.4	1424.5	141.1	14.0
Spot 312	92	3799.5	2.1	14.7	1.9	1.5	3.2	0.2	2.5	0.8040695	936.1	22.1	915.0	19.0	864.2	38.9	-8.3
Spot 45	71	2042.8	1.7	15.4	2.6	1.4	3.2	0.2	1.8	0.5733901	920.1	15.5	879.3	18.6	777.8	54.4	-18.3
Spot 51	168	295114.7	3.7	11.9	4.5	2.8	8.4	0.2	7.1	0.8434666	1411.7	90.2	1365.1	63.4	1292.8	88.1	-9.2
Spot 60	244	14106.6	6.0	14.1	1.4	1.7	2.1	0.2	1.5	0.7311149	1010.1	14.1	992.0	13.0	952.4	28.7	-6.1
Spot 63	215	100729.4	3.2	12.4	1.0	2.5	1.8	0.2	1.5	0.8374231	1296.2	17.5	1263.2	12.9	1207.3	19.2	-7.4
Spot 78	211	11018.5	4.3	14.3	1.3	1.6	1.7	0.2	1.2	0.6875087	1015.8	11.2	989.5	11.0	931.8	25.9	-9.0
Spot 81	220	8753.6	2.1	14.4	1.5	1.5	2.3	0.2	1.8	0.7624385	964.7	15.7	948.2	14.2	909.9	30.7	-6.0
Spot 87	177	18636.3	2.0	12.8	1.2	2.3	2.3	0.2	1.9	0.8410582	1225.3	21.5	1199.9	16.2	1154.4	24.7	-6.1
Spot 94	839	22142.6	62.8	21.7	1.8	0.3	13.6	0.0	13.5	0.9910982	260.3	34.5	235.9	28.7	-0.4	NA	63440.2
Spot 99	169	6418.1	2.8	14.9	1.7	1.6	5.0	0.2	4.7	0.9440415	1024.6	45.0	968.0	31.4	841.7	34.5	-21.7

<b>Run 2</b>																	
Spot 1	400	4302.7	1.1	19.0	2.3	0.2	3.5	0.0	1.9	0.5374204	158.0	2.9	160.3	5.1	194.9	67.7	18.9
Spot 2	60	12815.7	1.8	12.5	2.7	2.1	3.5	0.2	2.2	0.6392367	1104.8	22.5	1139.4	23.7	1205.8	52.5	8.4
Spot 3	242	9383.3	2.3	13.2	1.0	1.9	1.9	0.2	1.6	0.8310189	1082.6	16.1	1079.1	12.9	1071.9	21.7	-1.0
Spot 4	131	14220.8	1.3	13.7	1.5	1.6	3.0	0.2	2.5	0.8550675	934.2	22.1	958.6	18.4	1015.0	31.2	8.0
Spot 5	59	2010.1	1.3	15.8	6.7	0.3	8.0	0.0	4.0	0.5041015	257.6	10.2	282.1	19.7	490.7	152.3	47.5
Spot 6	235	3927.1	2.2	17.1	3.2	0.4	3.6	0.0	1.6	0.4390255	287.8	4.5	304.8	9.6	436.9	72.7	34.1
Spot 8	271	20092.0	3.4	14.2	1.0	1.5	1.7	0.2	1.3	0.8026998	938.9	11.8	943.5	10.3	954.4	20.5	1.6
Spot 10	857	12802.8	1.4	19.1	1.2	0.3	2.0	0.0	1.4	0.7102169	265.9	3.6	268.1	4.6	286.8	31.7	7.3
Spot 11	250	57880.7	3.4	12.3	1.1	2.0	3.5	0.2	3.3	0.946373	1057.1	32.4	1123.0	23.9	1252.8	22.2	15.6
Spot 12	238	18016.0	5.1	13.4	1.5	1.7	2.2	0.2	1.6	0.7125958	1008.8	14.5	1026.0	14.1	1062.7	30.7	5.1
Spot 13	364	12368.2	1.3	19.6	1.2	0.3	1.9	0.0	1.4	0.7513856	279.7	3.8	273.3	4.5	219.4	28.4	-27.5
Spot 14	95	1459.7	1.5	19.2	2.5	0.3	3.8	0.0	2.0	0.5237807	292.4	5.7	245.0	8.3	NA	NA	
Spot 15	832	170930.2	1.4	12.8	0.7	2.2	1.9	0.2	1.8	0.9358375	1160.9	19.2	1168.1	13.4	1181.5	13.4	1.7
Spot 16	625	#####	4.7	11.6	0.9	2.7	2.0	0.2	1.8	0.9053376	1305.1	21.8	1329.1	15.1	1367.9	16.7	4.6
Spot 17	1126	47652.2	13.7	14.3	1.0	1.5	1.8	0.2	1.5	0.8447193	929.2	13.1	934.4	10.9	946.7	19.6	1.8
Spot 18	88	2522.9	1.1	16.4	3.9	0.7	8.2	0.1	4.9	0.5982342	592.1	27.7	564.6	35.4	455.3	145.6	-30.1
Spot 20	92	56074.0	3.6	12.5	1.5	2.3	2.1	0.2	1.5	0.6999486	1219.3	16.3	1221.8	14.9	1226.1	29.4	0.6
Spot 24	824	5609.2	2.3	19.5	1.0	0.3	3.1	0.0	1.4	0.4586195	238.8	3.3	232.2	6.4	166.4	63.6	-43.5
Spot 25	1075	34118.4	1.6	19.1	1.2	0.3	1.9	0.0	1.5	0.7673663	274.6	4.0	278.9	4.7	315.4	28.0	12.9
Spot 26	102	12859.5	1.1	12.3	1.4	2.3	2.2	0.2	1.6	0.7574275	1212.9	18.2	1217.6	15.4	1226.0	27.9	1.1
Spot 28	260	11955.0	2.7	20.2	3.5	0.2	5.2	0.0	3.8	0.7358276	172.2	6.5	170.1	8.1	141.9	82.5	-21.3
Spot 30	139	6836.5	3.6	12.9	1.1	1.8	2.0	0.2	1.5	0.7775389	1037.1	14.8	1058.7	13.1	1103.6	25.0	6.0



Spot 32	1099	28978.7	5.8	19.4	1.5	0.3	2.1	0.0	1.4	0.6989395	236.2	3.3	239.7	4.4	274.1	33.6	13.8
Spot 33	1176	38051.7	0.8	18.9	0.8	0.3	2.0	0.0	1.8	0.901528	266.8	4.7	273.7	4.8	333.8	19.5	20.1
Spot 34	339	2481.6	1.7	19.3	2.2	0.2	7.1	0.0	1.8	0.2595047	202.8	3.7	189.1	12.3	22.0	NA	-819.6
Spot 36	514	#####	2.0	10.0	1.0	3.8	1.9	0.3	1.7	0.8595423	1534.1	22.6	1584.9	15.5	1653.2	18.3	7.2
Spot 37	296	8472.2	1.4	19.7	2.6	0.2	2.9	0.0	1.3	0.4388483	168.2	2.1	169.0	4.5	179.3	60.0	6.2
Spot 38	653	30477.0	3.0	11.8	0.7	2.7	1.4	0.2	1.2	0.8685816	1318.4	14.0	1318.5	10.0	1318.7	13.0	0.0
Spot 39	444	4286.4	1.7	19.0	1.8	0.3	2.5	0.0	1.6	0.6239899	277.9	4.3	268.5	6.0	187.1	46.2	-48.6
Spot 40	179	1885.8	1.0	16.8	3.5	0.3	6.6	0.0	2.4	0.3645802	280.2	6.6	283.1	16.3	306.5	140.4	8.6
Spot 41	1085	10244.0	1.4	19.0	1.4	0.3	1.9	0.0	1.2	0.6538225	260.4	3.1	261.9	4.3	275.6	32.6	5.5
Spot 42	71	58628.9	2.6	13.4	2.4	1.6	3.1	0.2	2.1	0.6583184	931.6	17.8	973.7	19.6	1070.1	47.3	12.9
Spot 43	124	24599.6	5.0	17.7	5.8	0.1	7.5	0.0	4.8	0.6344979	106.4	5.0	123.7	8.8	472.3	128.7	77.5
Spot 44	1895	34373.9	1.8	17.4	1.0	0.7	1.6	0.1	1.2	0.7796978	537.5	6.4	534.1	6.6	519.3	21.9	-3.5
Spot 45	324	11142.2	2.7	11.9	0.8	2.5	1.3	0.2	1.1	0.8019399	1260.4	12.3	1267.1	9.7	1278.5	15.6	1.4
Spot 46	101	1218.0	0.6	9.9	7.0	1.0	7.6	0.1	2.4	0.3208583	500.3	11.8	709.4	39.0	1443.7	137.9	65.3
Spot 47	1294	31400.5	1.6	18.8	1.0	0.3	1.8	0.0	1.5	0.8292076	268.3	3.8	277.1	4.3	351.4	22.3	23.6
Spot 48	100	9042.7	1.5	13.8	1.9	1.5	2.8	0.1	2.0	0.7136415	893.1	16.4	918.3	16.6	979.4	39.3	8.8
Spot 49	168	1479.7	0.8	19.5	2.7	0.2	4.1	0.0	2.7	0.6627429	192.6	5.2	163.7	6.2	NA	NA	
Spot 50	132	3335.9	2.9	14.0	1.2	1.3	2.2	0.1	1.9	0.8411322	849.3	14.9	853.7	12.8	865.2	24.9	1.8
Spot 51	244	949.5	2.3	21.3	3.5	0.0	20.0	0.0	2.7	0.1361254	68.4	1.9	45.9	9.0	NA	NA	
Spot 52	222	2877.5	4.6	17.9	2.3	0.3	4.1	0.0	1.9	0.4606037	269.5	4.9	267.9	9.6	254.1	83.0	-6.1
Spot 53	1213	14741.1	1.5	19.3	1.2	0.3	1.9	0.0	1.3	0.6935802	270.5	3.4	268.8	4.4	254.6	31.0	-6.2
Spot 54	162	5258.5	2.1	13.5	2.3	1.5	2.6	0.2	1.3	0.4780145	919.8	10.8	942.1	16.2	994.6	47.0	7.5
Spot 57	205	143426.6	2.8	13.6	1.3	1.6	2.1	0.2	1.7	0.8021813	942.3	15.1	972.8	13.4	1042.2	25.8	9.6
Spot 58	255	5277.4	1.4	19.3	2.0	0.3	2.8	0.0	2.0	0.6945225	283.5	5.5	271.8	6.8	171.6	47.7	-65.2
Spot 59	90	9026.6	1.4	13.4	2.3	1.7	3.1	0.2	2.0	0.6538877	969.7	18.0	990.3	19.3	1036.0	46.7	6.4
Spot 60	127	6981.9	4.1	13.5	1.2	1.7	2.4	0.2	1.6	0.6636808	1004.0	14.7	1005.5	15.2	1008.7	36.2	0.5
Spot 61	776	13754.9	1.2	19.2	1.0	0.3	1.8	0.0	1.4	0.7829439	265.2	3.6	265.5	4.1	268.2	25.3	1.1
Spot 63	365	7906.9	1.2	19.3	1.2	0.3	2.0	0.0	1.6	0.7961997	279.0	4.4	272.6	4.8	218.1	28.3	-27.9
Spot 64	501	18997.5	1.3	19.4	1.3	0.3	1.9	0.0	1.3	0.7238584	285.8	3.8	282.4	4.6	254.3	29.5	-12.4
Spot 66	180	21427.6	2.5	13.5	1.3	1.8	1.8	0.2	1.2	0.684324	1060.2	11.9	1055.5	11.6	1045.7	26.1	-1.4
Spot 67	181	4651.8	1.2	18.6	3.0	0.3	3.9	0.0	1.4	0.3661478	273.5	3.8	271.8	9.2	256.8	82.8	-6.5
Spot 68	194	5571.9	1.9	16.9	3.6	0.3	4.3	0.0	2.3	0.5349891	264.2	6.0	290.5	10.9	507.7	80.2	48.0
Spot 69	667	11028.6	1.5	19.9	1.4	0.3	2.4	0.0	1.9	0.7790039	272.7	4.9	262.9	5.5	176.4	34.8	-54.6
Spot 70	133	22664.7	2.9	17.8	4.4	0.4	5.2	0.0	2.8	0.5396684	312.5	8.5	330.8	14.6	462.1	96.5	32.4
Spot 71	200	18655.4	2.7	12.4	1.0	2.3	1.8	0.2	1.4	0.8175347	1216.4	16.1	1218.4	12.6	1222.0	20.0	0.5
Spot 72	520	5853.4	3.1	19.0	1.5	0.3	2.5	0.0	1.8	0.7394258	233.5	4.2	233.8	5.2	237.4	38.7	1.6
Spot 73	103	1705.6	1.1	18.9	4.5	0.2	6.6	0.0	4.8	0.7264974	186.4	8.8	169.6	10.3	NA	NA	
Spot 74	309	28526.3	3.0	12.6	1.1	2.2	1.9	0.2	1.5	0.8082002	1164.0	16.4	1176.5	13.3	1199.7	22.1	3.0
Spot 75	576	19705.9	9.8	18.3	1.6	0.3	2.5	0.0	1.9	0.7738739	232.3	4.4	247.3	5.5	391.8	35.8	40.7
Spot 77	545	4669.8	1.9	20.3	2.3	0.2	4.0	0.0	2.4	0.5887745	149.0	3.5	142.3	5.4	32.1	NA	-364.2
Spot 78	160	1091.8	0.7	17.9	4.7	0.2	6.5	0.0	4.3	0.6672596	197.8	8.4	172.1	10.2	NA	NA	
Spot 79	656	17674.6	2.5	18.9	2.4	0.4	6.3	0.0	5.8	0.9235056	309.7	17.7	311.0	17.0	320.6	55.2	3.4
Spot 80	302	2509.3	2.8	18.3	3.2	0.2	7.7	0.0	6.0	0.7801915	165.6	9.8	166.2	11.7	173.8	111.8	4.7

Spot 81	155	33624.6	1.0	18.1	4.3	0.2	4.6	0.0	1.4	0.3088289	190.3	2.6	210.0	8.6	437.6	96.4	56.5
Spot 82	106	1097.3	1.3	18.2	4.7	0.2	10.1	0.0	3.4	0.3397036	189.6	6.4	161.6	15.0	NA	NA	
Spot 83	376	100709.1	2.5	12.1	1.0	2.4	1.8	0.2	1.5	0.8168184	1223.2	16.3	1246.1	12.9	1285.8	20.2	4.9
Spot 84	195	3671.7	1.3	18.0	3.9	0.3	4.4	0.0	2.0	0.4464565	279.4	5.3	282.1	10.8	304.5	89.1	8.2
Spot 85	96	13671.9	3.0	14.0	1.7	1.6	2.6	0.2	1.9	0.7320824	977.3	17.0	976.6	16.0	974.9	35.5	-0.2
Spot 86	322	40235.4	2.9	12.4	0.9	2.4	1.8	0.2	1.6	0.8652743	1220.8	17.3	1228.0	12.8	1240.8	17.6	1.6
Spot 87	266	12994.8	1.8	19.6	1.7	0.3	2.6	0.0	2.0	0.7552924	286.1	5.5	280.1	6.4	230.3	39.6	-24.2
Spot 88	440	9287.2	1.7	18.7	2.3	0.3	2.7	0.0	1.3	0.4721798	280.4	3.5	284.4	6.7	316.9	54.1	11.5
Spot 89	248	37167.4	1.6	9.7	0.9	4.1	1.8	0.3	1.6	0.8677846	1619.6	22.7	1658.6	14.9	1708.4	16.7	5.2
Spot 90	133	5232.9	3.2	13.6	1.0	1.5	2.0	0.2	1.6	0.8057143	921.8	14.1	940.4	12.5	984.3	24.6	6.4
Spot 91	127	26822.3	0.7	11.8	1.0	2.7	2.3	0.2	2.0	0.8866367	1348.5	24.6	1341.1	17.0	1329.3	20.4	-1.4
Spot 92	197	24748.9	0.9	12.9	1.0	2.2	1.5	0.2	1.2	0.7738979	1195.1	12.9	1179.9	10.7	1152.0	19.2	-3.7
Spot 93	471	7265.5	1.8	19.0	2.1	0.3	2.6	0.0	1.4	0.5337096	270.5	3.7	270.3	6.2	268.5	50.6	-0.7
Spot 94	115	10562.4	3.2	14.4	1.5	1.5	2.9	0.2	2.4	0.8288927	934.5	20.8	927.9	17.6	912.2	33.3	-2.4
Spot 96	527	7301.9	1.5	19.0	1.2	0.3	2.7	0.0	1.8	0.640422	267.4	4.6	267.0	6.4	264.0	48.2	-1.3
Spot 97	1649	3953.1	8.0	20.0	3.3	0.1	6.0	0.0	3.0	0.5085451	70.6	2.1	70.1	4.0	54.7	NA	-29.1
Spot 98	385	5008.9	1.9	18.9	2.0	0.3	3.5	0.0	1.9	0.5320433	266.7	4.9	263.6	8.1	236.7	68.4	-12.7
Spot 99	105	20139.2	2.6	14.1	1.3	1.5	2.1	0.2	1.7	0.8025981	919.0	14.6	933.3	13.0	967.3	25.9	5.0
Spot 102	36	1622.4	2.0	12.7	3.1	1.5	5.6	0.2	2.4	0.4358757	917.2	20.9	927.5	34.1	952.2	103.3	3.7
Spot 103	303	6914.6	7.2	17.5	2.3	0.7	3.5	0.1	2.6	0.7437338	539.8	13.4	523.2	14.2	451.2	51.7	-19.7
Spot 105	144	3815.6	1.0	16.4	1.5	0.8	2.1	0.1	1.4	0.6589232	623.6	8.2	604.4	9.5	532.9	34.3	-17.0
Spot 106	88	25135.2	3.1	13.9	1.0	1.5	1.4	0.1	1.0	0.7038354	889.9	8.5	923.4	8.8	1004.3	20.9	11.4
Spot 108	325	176116.9	2.7	11.8	0.9	2.5	1.6	0.2	1.3	0.8258402	1226.3	14.7	1267.5	11.5	1338.1	17.3	8.4
Spot 111	75	22444.2	3.7	12.8	1.9	2.0	2.4	0.2	1.4	0.5942042	1081.9	14.0	1112.1	16.0	1171.8	37.6	7.7
Spot 112	82	7288.8	0.8	8.8	1.3	5.0	1.9	0.3	1.3	0.7070142	1768.0	20.7	1811.6	16.0	1862.1	24.1	5.1
Spot 113	77	11915.7	1.5	12.6	1.3	1.9	2.2	0.2	1.7	0.8064821	1015.8	16.4	1070.9	14.3	1185.0	25.3	14.3
Spot 114	162	1222.9	2.3	20.7	4.0	0.1	10.3	0.0	4.1	0.3952724	128.3	5.2	98.5	9.7	NA	NA	
Spot 115	377	19879.5	0.9	19.1	2.7	0.3	4.3	0.0	3.3	0.7661873	270.7	8.6	274.5	10.2	307.0	62.3	11.8
Spot 116	115	15544.1	3.3	7.6	0.9	7.1	2.4	0.4	2.3	0.9347099	2109.9	40.7	2127.2	21.6	2144.0	15.0	1.6
Spot 117	479	9356.5	2.4	19.7	1.9	0.3	2.5	0.0	1.3	0.5337747	248.8	3.3	243.1	5.5	188.9	49.8	-31.7
Spot 118	1286	69052.4	55.7	16.2	1.2	0.8	2.4	0.1	2.1	0.8588357	602.1	11.9	622.1	11.2	695.4	26.3	13.4
Spot 119	535	10217.6	2.2	19.8	1.3	0.2	1.8	0.0	1.2	0.6734657	192.2	2.3	192.0	3.2	189.3	31.6	-1.5
Spot 122	1174	91661.1	31.8	14.3	0.8	1.4	1.6	0.1	1.4	0.8728879	885.0	11.8	904.3	9.8	951.6	16.3	7.0
Spot 123	255	28096.9	0.7	11.4	1.2	3.1	2.0	0.2	1.6	0.7915799	1436.0	20.3	1423.2	15.2	1404.2	23.3	-2.3
Spot 126	404	4885.5	6.4	16.8	1.4	0.6	2.4	0.1	1.8	0.7386692	433.5	7.4	446.6	8.7	514.5	35.6	15.7
Spot 127	451	23862.6	3.3	14.2	1.1	1.6	1.8	0.2	1.4	0.789033	970.9	13.0	969.8	11.4	967.1	23.0	-0.4
Spot 128	412	16669.1	1.1	19.0	1.4	0.3	2.2	0.0	1.6	0.7605683	286.2	4.6	290.1	5.5	321.4	31.9	10.9
Spot 130	632	6237.8	1.1	30.0	1.0	0.3	1.4	0.1	0.9	0.638034	451.9	3.8	279.0	3.3	NA	NA	
Spot 132	174	1476.0	1.5	18.5	3.9	0.2	8.8	0.0	2.6	0.2984645	191.8	5.0	173.8	14.0	NA	NA	
Spot 133	268	41772.3	2.5	12.9	0.9	2.1	1.6	0.2	1.3	0.8143769	1151.1	13.7	1155.8	11.0	1164.7	18.4	1.2
Spot 134	472	31842.2	2.5	21.3	0.9	0.3	1.5	0.1	1.2	0.7873474	321.8	3.8	292.7	3.9	66.8	22.4	-381.7
Spot 135	227	56786.5	1.6	19.3	2.6	0.3	3.6	0.0	2.6	0.7033123	287.3	7.2	289.5	9.1	308.0	58.8	6.7
Spot 137	181	1505.1	1.2	17.9	4.4	0.2	5.9	0.0	3.7	0.6284116	177.4	6.5	168.7	9.2	48.8	NA	-263.9

Spot 138	707	37555.8	1.6	19.4	1.0	0.3	1.7	0.0	1.4	0.8293974	282.7	4.0	283.7	4.3	291.7	22.1	3.1
Spot 139	130	60955.4	1.9	13.9	1.6	1.6	2.1	0.2	1.4	0.6749114	924.1	12.3	951.7	13.0	1016.1	31.6	9.1
Spot 140	577	32062.4	5.7	12.5	0.9	2.3	2.1	0.2	1.9	0.9055783	1188.5	21.0	1206.2	15.1	1238.1	17.8	4.0
Spot 141	479	428111.5	8.7	12.4	0.7	2.4	2.0	0.2	1.9	0.9339037	1227.2	20.7	1240.3	14.2	1263.2	13.9	2.9
Spot 142	429	4150.2	1.6	18.9	2.6	0.3	3.3	0.0	2.0	0.6143159	279.2	5.6	272.8	8.0	217.6	60.8	-28.3
Spot 143	101	3816.5	2.6	13.9	1.8	1.4	3.0	0.1	1.3	0.446409	880.7	10.8	891.5	17.5	918.5	54.3	4.1
Spot 144	114	55089.6	4.0	12.2	1.0	2.4	1.7	0.2	1.3	0.7971413	1208.1	14.8	1232.0	12.0	1274.0	19.8	5.2
Spot 145	89	8282.9	2.7	11.6	1.4	2.5	1.9	0.2	1.2	0.6343836	1242.7	13.3	1278.3	13.5	1338.7	27.7	7.2
Spot 146	136	4064.4	2.6	16.1	4.3	0.4	4.9	0.0	2.2	0.4484796	269.0	5.8	305.0	12.9	590.7	94.8	54.5
Spot 148	161	37476.9	1.9	14.0	1.2	1.5	3.1	0.1	2.8	0.9134558	896.8	23.4	926.7	18.6	998.4	25.3	10.2
Spot 149	463	38422.9	1.7	19.7	1.9	0.2	2.5	0.0	1.6	0.6388027	163.6	2.6	170.5	3.9	267.5	44.0	38.8
Spot 151	66	4833.6	1.4	16.2	5.2	0.3	5.9	0.0	2.4	0.4012318	208.6	4.9	244.8	12.9	607.6	117.2	65.7
Spot 152	254	2910.5	3.4	18.6	4.0	0.1	4.9	0.0	2.4	0.4834846	69.8	1.7	72.9	3.5	178.9	100.8	61.0
Spot 153	368	90910.1	2.6	12.6	1.1	2.1	1.8	0.2	1.4	0.7876225	1105.4	14.4	1142.8	12.3	1214.3	21.8	9.0
Spot 154	142	3883.2	1.1	19.1	3.0	0.2	5.8	0.0	3.1	0.5390475	183.1	5.7	182.6	9.8	175.2	114.9	-4.5
Spot 155	671	16200.0	1.1	18.0	2.3	0.3	2.5	0.0	1.0	0.3902976	281.8	2.7	299.6	6.6	440.8	51.9	36.1
Spot 156	391	36252.8	4.6	12.8	1.7	2.2	3.0	0.2	2.4	0.8113649	1203.7	26.3	1196.6	20.7	1183.7	34.1	-1.7
Spot 157	852	176158.3	3.7	12.6	1.2	2.4	2.0	0.2	1.6	0.7998865	1242.5	17.9	1234.4	14.1	1220.4	23.3	-1.8
Spot 158	87	1385.5	1.2	18.0	4.8	0.2	12.9	0.0	3.8	0.2952726	194.4	7.3	180.1	21.3	NA	NA	
Spot 159	555	46894.2	2.1	19.5	1.1	0.3	2.1	0.0	1.8	0.8483048	292.6	5.2	292.0	5.4	287.2	25.9	-1.9
Spot 160	157	1758.5	2.0	17.6	4.5	0.2	5.5	0.0	3.0	0.5488594	193.3	5.7	192.3	9.6	179.9	106.6	-7.5
Spot 161	171	3231.8	0.9	20.4	2.7	0.2	6.0	0.0	2.5	0.4128344	191.9	4.7	176.5	9.8	NA	NA	
Spot 162	234	32461.1	1.9	11.7	0.9	2.9	1.7	0.2	1.4	0.8313715	1400.9	18.0	1384.6	13.0	1359.6	18.4	-3.0
Spot 164	180	4071.3	2.1	12.7	1.3	2.0	1.8	0.2	1.3	0.705382	1103.7	13.0	1109.6	12.3	1121.3	25.8	1.6
Spot 165	499	191099.7	3.0	11.7	1.0	2.6	1.9	0.2	1.5	0.8333998	1277.1	17.9	1310.5	13.6	1365.5	19.7	6.5
Spot 166	276	39094.4	1.2	10.6	1.2	3.4	2.1	0.3	1.7	0.8096587	1465.6	22.3	1499.6	16.5	1547.9	23.2	5.3
Spot 167	325	32598.0	1.4	12.7	1.1	2.2	1.8	0.2	1.4	0.7828579	1185.6	15.3	1188.7	12.7	1194.2	22.2	0.7
Spot 168	563	7114.5	1.2	18.9	1.5	0.3	2.2	0.0	1.4	0.6398426	272.9	3.7	272.5	5.2	269.2	38.5	-1.4
Spot 169	136	19832.2	3.0	14.4	1.5	1.5	2.3	0.2	1.6	0.7214924	952.1	14.4	945.4	13.9	929.9	32.2	-2.4
Spot 170	199	3907.5	1.6	18.9	1.7	0.3	2.5	0.0	1.6	0.6419937	279.7	4.5	271.2	6.1	198.4	45.4	-41.0
Spot 172	97	31418.9	3.1	14.2	2.3	1.6	4.1	0.2	3.3	0.815507	955.9	29.4	956.7	25.1	958.3	48.0	0.3
Spot 174	227	8062.9	6.8	13.7	1.0	1.6	1.8	0.2	1.3	0.7118026	981.6	11.6	989.0	11.3	1005.3	25.5	2.4
Spot 175	353	3572.9	0.9	19.5	2.4	0.2	4.5	0.0	1.8	0.3892866	178.1	3.1	173.0	7.2	103.7	98.6	-71.7
Spot 176	173	57776.9	0.8	12.7	0.8	2.1	1.5	0.2	1.3	0.8487068	1137.2	13.1	1158.2	10.2	1197.6	15.5	5.0
Spot 177	389	14983.5	1.8	20.3	2.3	0.2	6.1	0.0	5.6	0.9278973	168.5	9.4	167.4	9.4	151.9	53.1	-10.9
Spot 178	1067	8421.4	2.7	19.1	1.4	0.3	2.1	0.0	1.6	0.7410761	249.7	3.9	250.7	4.7	259.9	33.0	3.9
Spot 179	352	7690.5	1.6	19.5	1.5	0.3	2.8	0.0	1.6	0.5936463	274.5	4.4	267.3	6.5	204.0	51.6	-34.6
Spot 180	83	19353.7	2.9	14.6	3.3	1.4	6.8	0.2	5.9	0.8735591	903.3	50.0	898.7	40.6	887.6	68.4	-1.8
Spot 181	288	419555.7	6.0	11.1	1.2	3.1	2.0	0.2	1.7	0.8207621	1431.5	21.3	1438.6	15.5	1449.1	22.0	1.2
Spot 183	367	64578.3	2.9	13.8	0.9	1.8	1.8	0.2	1.6	0.8596867	1077.6	15.5	1062.6	11.9	1032.0	18.7	-4.4
Spot 184	511	31066.0	2.7	13.8	0.7	1.8	1.6	0.2	1.4	0.8858602	1030.2	13.4	1027.9	10.3	1022.9	14.9	-0.7
Spot 185	248	18482.1	5.5	13.9	0.9	1.7	1.5	0.2	1.2	0.7980407	1000.0	11.1	995.2	9.6	984.5	18.5	-1.6
Spot 186	50	2374.1	2.7	13.4	3.3	1.3	5.0	0.1	2.6	0.5260333	808.4	20.0	835.4	28.5	908.0	87.8	11.0

Spot 187	290	11980.8	2.5	12.7	0.8	2.2	1.7	0.2	1.5	0.8840401	1186.2	16.3	1175.3	11.8	1155.3	15.8	-2.7
Spot 188	1086	29015.1	15.9	19.7	1.0	0.3	1.7	0.0	1.4	0.8056584	238.7	3.2	238.2	3.6	232.8	23.5	-2.6
Spot 189	1759	40975.7	0.6	19.2	0.9	0.3	2.0	0.0	1.8	0.8926322	277.2	4.8	280.5	4.9	307.7	20.4	9.9
Spot 190	277	24540.3	21.2	13.5	1.0	1.7	1.5	0.2	1.1	0.7352175	1017.3	10.6	1026.5	9.9	1046.1	21.0	2.8
Spot 191	125	19649.1	3.0	14.4	2.0	1.4	3.5	0.1	2.9	0.8219159	889.0	24.1	896.2	21.0	914.1	41.4	2.7
Spot 193	145	30864.6	2.2	12.8	1.2	2.2	1.8	0.2	1.4	0.7571028	1178.2	14.8	1172.9	12.7	1163.0	23.6	-1.3
Spot 194	118	12342.0	1.5	12.6	1.5	2.1	1.9	0.2	1.2	0.6276561	1133.6	12.3	1146.8	13.0	1172.1	29.1	3.3
Spot 195	730	272150.6	2.6	13.7	0.9	1.8	1.5	0.2	1.2	0.8135016	1027.2	11.8	1028.9	9.9	1032.6	18.0	0.5
Spot 196	145	19444.8	3.2	12.2	1.0	2.4	1.7	0.2	1.4	0.8187466	1231.8	15.7	1235.8	12.2	1242.7	19.2	0.9
Spot 197	234	245698.8	2.4	16.6	1.1	0.8	1.5	0.1	1.0	0.6987124	617.8	6.2	620.6	7.0	630.8	23.1	2.1
Spot 198	195	20166.7	2.9	12.4	0.9	2.4	1.8	0.2	1.5	0.8575047	1232.9	17.3	1229.3	12.8	1223.0	18.2	-0.8
Spot 199	414	4944.4	1.3	8.9	1.0	4.7	2.7	0.3	2.2	0.8071125	1733.5	33.3	1766.2	22.7	1805.1	29.2	4.0
Spot 200	74	2093.4	1.8	15.4	5.4	0.2	6.8	0.0	4.1	0.601402	186.7	7.5	215.2	13.1	540.5	118.1	65.5
Spot 203	252	24064.8	3.0	11.8	0.9	2.8	1.7	0.2	1.5	0.8486631	1382.0	18.3	1357.7	13.0	1319.7	17.7	-4.7
Spot 204	149	2709.9	1.1	16.4	4.9	0.4	5.4	0.0	2.1	0.3969701	295.2	6.2	314.7	14.6	461.6	110.1	36.0
Spot 205	110	1044.1	3.1	17.6	2.5	0.4	4.2	0.1	2.9	0.6825847	405.0	11.2	329.0	11.8	NA	NA	
Spot 206	529	24916.2	1.7	19.3	1.4	0.3	1.8	0.0	1.1	0.616576	267.9	2.9	267.4	4.2	263.1	32.5	-1.8
Spot 207	460	100847.4	1.6	14.2	3.2	1.6	4.8	0.2	3.6	0.754018	993.8	33.4	980.7	30.3	951.5	64.6	-4.4
Spot 208	313	3231.3	1.3	19.0	2.1	0.3	3.0	0.0	2.0	0.6727846	300.5	5.9	280.8	7.3	119.5	52.1	-151.5
Spot 210	55	923.5	2.5	19.0	4.4	0.2	10.2	0.0	4.1	0.4047234	275.8	11.1	203.0	18.8	NA	NA	
Spot 211	177	1059.7	2.0	20.2	2.6	0.2	3.6	0.0	1.8	0.4926727	242.6	4.2	176.0	5.8	NA	NA	
Spot 212	273	7566.4	2.6	17.2	1.1	0.7	1.7	0.1	1.2	0.7235914	541.6	6.4	529.2	7.0	476.1	26.0	-13.8
Spot 214	602	147864.3	4.2	12.3	1.6	2.2	2.2	0.2	1.4	0.6617321	1160.1	15.2	1187.8	15.1	1238.6	31.8	6.3
Spot 215	337	149192.6	1.6	16.9	1.2	0.9	1.9	0.1	1.5	0.7823067	641.2	9.2	630.7	9.0	593.2	26.0	-8.1
Spot 217	166	2685.1	0.9	18.7	3.4	0.2	4.6	0.0	2.2	0.4810001	186.6	4.1	181.8	7.7	120.1	96.1	-55.4
Spot 218	207	2446.1	1.1	19.0	3.3	0.2	4.8	0.0	3.0	0.6341974	197.7	5.9	186.8	8.1	50.8	NA	-289.5
Spot 219	633	84035.9	2.3	19.9	1.1	0.3	1.8	0.0	1.4	0.7769872	233.1	3.2	232.0	3.8	220.5	26.4	-5.7
Spot 220	125	17017.0	2.8	14.2	1.5	1.5	2.2	0.2	1.6	0.7229967	938.4	13.6	938.6	13.2	939.0	30.6	0.1
Spot 221	298	44914.9	3.0	20.3	2.3	0.1	3.1	0.0	2.0	0.6533021	98.3	2.0	101.1	3.0	166.5	54.6	41.0
Spot 222	314	81883.8	0.9	13.7	1.3	1.8	2.0	0.2	1.5	0.7504299	1063.8	14.8	1052.6	13.2	1029.5	27.0	-3.3
Spot 223	366	16500.7	2.9	13.0	1.0	2.1	1.8	0.2	1.4	0.8004761	1151.1	14.9	1136.3	12.1	1108.0	21.2	-3.9
Spot 225	471	34381.0	1.9	14.2	0.9	1.5	1.5	0.2	1.2	0.8242564	918.9	10.7	925.0	9.2	939.6	17.5	2.2
Spot 226	452	35683.6	1.9	18.9	1.3	0.3	1.9	0.0	1.3	0.7057014	271.4	3.5	277.5	4.5	329.5	30.1	17.6
Spot 227	361	3264.1	0.7	20.2	2.6	0.2	5.1	0.0	3.1	0.6202179	204.8	6.4	187.2	8.7	NA	NA	
Spot 228	419	2015.6	1.7	20.3	3.4	0.1	4.9	0.0	1.8	0.3705586	55.2	1.0	49.7	2.4	NA	NA	
Spot 229	51	11594.2	3.9	11.9	1.5	2.2	2.4	0.2	1.9	0.7656316	1111.9	19.0	1172.8	16.9	1287.1	30.4	13.6
Spot 230	372	97654.7	1.0	19.3	2.1	0.3	2.6	0.0	1.6	0.6213302	282.7	4.5	283.3	6.5	288.2	47.1	1.9
Spot 231	985	34683.5	8.6	16.6	1.2	0.8	1.9	0.1	1.5	0.7783593	596.9	8.3	600.6	8.5	614.6	25.4	2.9
Spot 232	476	44230.8	3.6	11.5	0.9	2.9	1.3	0.2	0.9	0.7007019	1406.4	11.6	1393.5	10.0	1373.9	18.0	-2.4
Spot 233	340	45181.6	3.0	11.4	1.1	2.7	3.5	0.2	3.3	0.9512843	1298.6	38.9	1333.1	25.8	1389.1	20.6	6.5
Spot 234	1236	17414.3	0.8	19.2	1.4	0.3	1.9	0.0	1.3	0.6747184	270.4	3.4	270.7	4.5	273.1	32.3	1.0
Spot 235	87	31611.7	4.1	14.4	2.5	1.5	4.1	0.2	3.3	0.7911204	927.7	28.3	926.0	25.2	922.1	52.1	-0.6
Spot 236	246	21777.1	1.9	13.7	1.4	1.8	1.9	0.2	1.2	0.6638402	1039.6	11.9	1032.4	12.1	1017.4	28.4	-2.2

Spot 238	116	16839.0	1.9	12.6	1.3	2.2	2.0	0.2	1.5	0.7441991	1203.2	16.5	1194.6	14.2	1179.2	26.8	-2.0
Spot 239	313	20328.6	3.5	13.8	1.0	1.7	1.9	0.2	1.6	0.8255395	995.4	14.4	999.2	12.0	1007.7	21.6	1.2
Spot 240	80	9639.8	2.7	12.5	1.5	2.2	2.4	0.2	1.9	0.7830877	1171.5	20.4	1175.6	17.0	1183.2	30.0	1.0
Spot 241	44	2499.6	1.1	11.7	2.7	2.2	3.4	0.2	2.0	0.5752474	1139.2	20.5	1168.6	23.7	1223.6	54.8	6.9
Spot 242	258	39728.4	16.8	12.3	0.8	2.4	1.7	0.2	1.5	0.8853459	1258.0	17.1	1251.6	12.2	1240.6	15.4	-1.4
Spot 243	61	11755.8	2.6	14.7	2.4	1.3	4.7	0.1	4.0	0.8639448	869.3	32.9	865.4	27.3	855.7	48.9	-1.6
Spot 244	748	217454.0	3.3	14.2	0.7	1.5	1.2	0.2	1.0	0.8004279	937.7	8.7	943.3	7.7	956.3	15.3	1.9
Spot 245	164	30422.6	2.8	12.3	1.6	2.2	2.2	0.2	1.6	0.7115666	1169.1	17.1	1191.5	15.8	1232.4	31.0	5.1
Spot 247	396	37186.8	13.5	13.4	1.6	1.0	2.6	0.1	2.1	0.7980995	610.6	12.2	719.6	13.5	1076.3	31.7	43.3
Spot 249	139	7477.1	1.0	14.9	4.6	0.4	5.3	0.0	2.7	0.5035821	308.8	8.1	375.4	16.7	810.1	96.5	61.9
Spot 252	283	3035.5	1.7	18.9	1.8	0.3	3.3	0.0	1.5	0.4443756	277.6	4.0	262.1	7.6	125.2	69.2	-121.8
Spot 254	324	27251.1	3.8	11.1	0.8	3.2	1.4	0.3	1.2	0.8261255	1476.7	15.8	1463.6	11.2	1444.6	15.5	-2.2
Spot 255	381	3491.5	1.4	18.8	1.9	0.3	2.2	0.0	1.2	0.5250861	278.8	3.2	268.2	5.2	176.3	43.7	-58.2
Spot 256	718	15081.8	1.4	19.2	1.5	0.3	2.4	0.0	1.8	0.7402553	271.5	4.7	272.7	5.7	283.4	36.7	4.2
Spot 258	894	11211.0	2.1	19.1	1.1	0.3	1.7	0.0	1.3	0.7432838	280.1	3.6	279.4	4.3	273.7	26.8	-2.3
Spot 259	795	44004.3	2.8	14.4	0.8	1.5	1.6	0.2	1.3	0.8387208	915.8	11.2	918.3	9.4	924.4	17.5	0.9
Spot 260	881	868.5	0.9	20.0	2.3	0.0	3.7	0.0	1.5	0.3934154	54.4	0.8	38.5	1.4	NA	NA	
Spot 261	251	14177.0	1.7	10.2	0.8	3.8	1.8	0.3	1.6	0.8869635	1601.5	22.5	1596.7	14.4	1590.4	15.4	-0.7
Spot 262	627	3308.5	9.7	16.6	2.0	0.4	2.5	0.1	1.5	0.6154135	316.4	4.7	336.0	7.1	473.9	43.6	33.2
Spot 263	703	9370.6	1.2	19.0	1.4	0.3	2.3	0.0	1.7	0.7334363	275.6	4.5	275.8	5.5	277.6	35.2	0.8
Spot 264	299	937.5	3.0	19.4	3.8	0.1	5.5	0.0	2.6	0.4739124	81.7	2.1	62.5	3.3	NA	NA	
Spot 265	238	6473.0	4.0	13.6	1.2	1.7	1.9	0.2	1.5	0.7935853	1018.0	14.2	1013.3	12.2	1003.1	23.4	-1.5
Spot 266	598	22965.0	0.8	18.5	2.6	0.3	2.9	0.0	1.4	0.4643851	252.6	3.4	265.1	6.8	377.2	58.3	33.0
Spot 267	126	18223.8	1.8	14.4	1.6	1.5	2.3	0.2	1.7	0.7116322	943.9	14.7	934.3	14.3	911.5	33.9	-3.6
Spot 269	217	5212.0	2.7	14.2	1.6	1.5	2.7	0.2	2.2	0.8029125	925.7	18.8	913.7	16.4	884.7	33.6	-4.6
Spot 270	1380	19417.8	15.1	19.9	0.9	0.3	1.3	0.0	0.9	0.683616	255.4	2.2	250.2	2.8	201.8	21.7	-26.6
Spot 271	275	4507.8	1.3	16.9	6.1	0.1	8.2	0.0	5.0	0.606723	61.9	3.1	73.8	5.8	480.0	143.9	87.1
Spot 272	895	101004.5	0.8	19.0	2.2	0.3	3.5	0.0	2.7	0.7841998	282.9	7.5	289.5	8.8	342.4	48.8	17.4
Spot 273	203	103476.2	3.7	12.7	1.0	2.2	1.6	0.2	1.2	0.7719671	1174.2	13.1	1179.9	11.0	1190.2	19.8	1.3
Spot 274	576	45964.4	1.7	12.7	0.8	2.3	1.5	0.2	1.3	0.8447143	1215.6	14.1	1202.0	10.6	1177.6	15.9	-3.2
Spot 277	778	26135.3	2.6	17.5	0.8	0.6	1.6	0.1	1.3	0.8476666	496.2	6.4	498.9	6.2	511.2	18.4	2.9
Spot 279	495	170322.8	4.0	12.5	0.8	2.2	1.6	0.2	1.4	0.8638653	1138.7	14.1	1166.4	10.8	1218.3	15.5	6.5
Spot 280	632	2630.6	3.5	20.6	2.2	0.1	4.3	0.0	1.6	0.381203	69.4	1.1	63.7	2.6	NA	NA	
Spot 281	183	64827.4	3.2	11.5	1.1	2.8	1.7	0.2	1.3	0.7707378	1336.8	15.9	1352.0	12.8	1375.9	20.9	2.8
Spot 282	207	58080.0	4.0	14.3	1.0	1.6	1.6	0.2	1.3	0.8027378	988.7	12.1	978.4	10.3	955.3	20.1	-3.5
Spot 283	515	26077.8	1.3	13.4	0.9	1.7	1.6	0.2	1.3	0.8073637	982.8	11.6	1010.2	10.0	1070.1	18.6	8.2
Spot 285	215	35258.5	1.7	14.4	1.1	1.5	1.9	0.2	1.6	0.8054956	908.9	13.2	916.2	11.7	933.6	23.5	2.6
Spot 286	95	33536.4	2.3	12.8	1.4	2.1	2.3	0.2	1.8	0.7795143	1138.4	18.6	1145.7	15.7	1159.7	28.3	1.8
Spot 287	1109	11191.1	11.4	18.9	1.3	0.3	1.8	0.0	1.2	0.6867519	268.8	3.3	271.3	4.3	293.1	30.1	8.3
Spot 288	89	10052.1	1.5	12.9	1.1	2.1	2.2	0.2	1.8	0.8019289	1155.6	18.6	1142.8	15.1	1118.5	26.1	-3.3
Spot 290	351	10570.2	2.9	12.6	1.1	2.2	1.7	0.2	1.2	0.7024445	1173.9	12.9	1170.3	11.9	1163.7	24.2	-0.9
Spot 292	310	13947.6	1.7	19.0	1.9	0.3	2.7	0.0	2.0	0.7293586	272.0	5.3	273.8	6.5	289.2	42.6	6.0
Spot 293	345	53593.7	1.5	19.7	2.0	0.2	2.6	0.0	1.7	0.6434947	174.7	2.9	179.3	4.3	239.5	45.8	27.0

Spot 294	156	9571.2	1.6	12.9	1.1	1.9	3.6	0.2	3.4	0.9470021	1077.9	33.7	1089.5	24.0	1112.9	23.0	3.1
Spot 295	1060	54472.4	9.4	14.1	1.4	0.5	2.2	0.1	1.8	0.7909653	322.3	5.5	414.7	7.6	967.8	27.7	66.7
Spot 296	195	4099.7	1.8	19.3	2.4	0.2	3.2	0.0	1.7	0.5271401	188.0	3.1	184.5	5.3	139.9	63.2	-34.4
Spot 297	617	66887.6	8.8	14.3	1.0	1.5	2.4	0.2	2.2	0.9166875	935.9	19.4	936.8	14.9	939.0	19.9	0.3
Spot 298	615	182832.0	1.1	19.6	1.0	0.3	1.6	0.0	1.3	0.7749578	276.0	3.5	275.5	4.0	271.2	23.9	-1.8
Spot 299	97	3192.6	1.6	18.2	3.6	0.3	4.4	0.0	2.4	0.5412083	282.7	6.6	277.9	10.7	237.7	85.2	-19.0
Spot 300	107	7217.1	1.6	10.9	7.7	0.4	8.1	0.0	2.5	0.3083901	203.3	5.0	341.7	23.5	1436.9	147.4	85.9
Spot 304	349	4815.8	1.8	18.8	1.7	0.3	3.0	0.0	1.8	0.5937815	296.9	5.1	288.8	7.5	224.0	55.5	-32.5
Spot 305	754	8536.2	26.7	18.7	2.7	0.3	3.1	0.0	1.4	0.4599956	243.5	3.4	249.3	6.8	303.4	62.3	19.7
Spot 306	114	3962.8	6.0	13.6	1.4	1.6	3.7	0.2	2.2	0.5951233	1002.9	20.2	988.4	23.1	956.3	60.0	-4.9
Spot 307	524	4013.5	3.0	20.0	1.4	0.2	3.5	0.0	1.5	0.4396729	233.1	3.5	216.6	6.7	40.5	NA	-475.0
Spot 308	152	1986.7	1.6	18.0	3.3	0.3	5.4	0.0	1.7	0.3057279	271.9	4.4	257.6	12.3	129.4	121.2	-110.1
Spot 309	140	10522.8	3.9	12.8	1.1	2.1	1.6	0.2	1.2	0.7484137	1159.9	13.0	1154.4	11.3	1144.0	21.6	-1.4
Spot 311	107	3371.0	1.9	17.1	2.1	0.6	2.8	0.1	1.7	0.6090091	466.1	7.7	456.3	10.4	407.1	50.0	-14.5
Spot 313	628	26157.5	3.4	14.2	1.6	1.3	2.6	0.1	2.1	0.7898213	831.4	16.0	861.8	15.1	940.8	32.7	11.6
Spot 314	260	11998.2	1.5	19.0	2.9	0.3	3.7	0.0	2.4	0.6336236	279.7	6.5	280.0	9.1	282.7	65.9	1.1
Run 2 (discordant)																	
Spot 100	48	1247.7	1.8	15.5	6.1	1.3	8.1	0.1	5.4	0.6670492	872.3	44.3	839.8	46.6	754.7	128.2	-15.6
Spot 101	54	6593.0	3.2	16.6	2.2	1.5	3.0	0.2	2.1	0.6915202	1054.1	20.5	921.9	18.4	617.4	47.4	-70.7
Spot 104	377	18643.9	2.1	12.5	1.5	2.6	4.2	0.2	4.0	0.9386719	1358.2	48.7	1297.9	31.0	1199.7	28.8	-13.2
Spot 107	984	#####	6.4	13.1	1.4	1.4	2.3	0.1	1.9	0.799264	803.8	14.0	888.1	13.7	1104.4	27.8	27.2
Spot 109	118	15253.6	3.1	13.6	2.6	1.4	4.9	0.1	4.1	0.8419608	813.0	31.4	872.7	28.6	1027.3	53.3	20.9
Spot 110	93	4512.6	1.9	13.1	1.4	2.1	2.3	0.2	1.8	0.8019013	1162.3	19.3	1141.6	15.6	1102.5	27.1	-5.4
Spot 120	674	64946.9	18.3	9.1	0.8	3.8	1.9	0.2	1.7	0.8979763	1435.9	21.7	1587.6	15.1	1795.5	15.0	20.0
Spot 121	100	11228.8	0.8	27.5	2.8	0.2	30.1	0.0	30.0	0.9956886	259.6	76.3	190.1	52.3	NA	NA	
Spot 124	61	386.8	0.3	57.5	61.7	0.1	61.7	0.0	2.6	0.042672	190.4	4.9	70.5	42.1	NA	NA	
Spot 125	666	5229.3	1.5	20.5	3.9	0.1	10.0	0.0	9.3	0.9222403	77.4	7.1	79.4	7.7	139.2	91.3	44.4
Spot 129	747	30436.8	5.0	20.0	1.8	0.3	6.5	0.0	6.3	0.959664	277.8	17.1	268.7	15.5	189.5	42.8	-46.6
Spot 131	419	94112.5	3.9	5.8	2.4	6.2	3.6	0.3	2.7	0.7470358	1489.7	36.1	2001.1	31.8	2580.2	40.4	42.3
Spot 136	74	3374.4	2.5	15.1	2.9	1.5	3.5	0.2	2.0	0.564344	964.2	17.5	919.1	20.9	812.6	59.8	-18.7
Spot 147	93	38280.1	2.2	13.9	1.7	2.4	2.1	0.2	1.3	0.6008448	1399.9	16.0	1241.4	15.1	976.1	34.4	-43.4
Spot 150	62	1293.9	1.5	16.5	3.7	1.2	5.0	0.1	3.4	0.6693126	859.3	27.1	797.2	27.8	627.2	80.6	-37.0
Spot 163	182	1917.6	0.6	22.7	3.9	0.2	15.5	0.0	15.0	0.9685002	203.1	30.0	180.3	25.6	NA	NA	
Spot 171	116	734.4	4.5	25.2	7.7	0.1	13.9	0.0	11.6	0.8331311	102.8	11.8	85.7	11.4	NA	NA	
Spot 173	34	304.6	2.2	8.0	25.3	0.5	27.7	0.0	11.3	0.4083299	191.0	21.3	424.9	96.6	2033.2	455.9	90.6
Spot 182	73	1657.1	1.0	16.1	8.2	0.3	11.7	0.0	8.4	0.7124267	197.4	16.3	240.2	25.1	682.7	176.2	71.1
Spot 19	155	29837.9	1.2	10.2	1.3	4.1	2.2	0.3	1.7	0.7921412	1696.8	25.7	1651.9	17.7	1595.3	24.8	-6.4
Spot 192	44	1863.5	1.2	16.3	4.1	1.7	20.3	0.2	19.9	0.9797562	1180.8	214.3	1008.7	130.3	651.8	87.1	-81.2
Spot 201	67	4171.1	1.7	15.2	3.2	1.4	3.7	0.2	1.9	0.4956811	903.0	15.6	872.3	21.9	795.1	68.0	-13.6
Spot 202	267	17925.6	3.0	12.9	3.0	1.6	3.4	0.1	1.6	0.4743028	892.6	13.5	966.6	21.3	1138.9	59.8	21.6
Spot 209	392	210240.8	1.4	21.6	1.8	0.3	15.0	0.0	14.9	0.9923919	306.3	44.5	274.8	36.1	14.3	NA	-2048.1
Spot 21	36	81274.2	1.9	13.3	2.7	1.4	3.6	0.1	2.4	0.6655292	797.9	18.2	874.7	21.4	1074.6	54.7	25.8
Spot 213	702	66551.6	7.5	12.5	0.8	2.4	1.6	0.2	1.4	0.8704749	1268.5	16.5	1241.8	11.8	1195.7	15.9	-6.1

Spot 216	17	838.5	2.3	19.6	8.7	1.1	10.2	0.2	5.4	0.5283981	968.4	48.6	771.9	55.4	238.6	200.7	-305.8
Spot 22	129	5072.9	2.7	14.9	1.0	1.4	1.6	0.2	1.3	0.7892122	911.5	10.7	889.5	9.4	835.1	20.3	-9.1
Spot 224	97	4873.5	4.0	14.7	1.7	1.6	2.4	0.2	1.7	0.7088479	988.0	15.6	952.5	14.8	871.4	35.0	-13.4
Spot 23	97	4483.1	3.7	14.9	2.1	1.4	3.1	0.2	2.3	0.7499618	913.5	19.8	890.8	18.4	835.0	42.8	-9.4
Spot 237	136	1209.4	1.6	28.5	4.7	0.1	9.8	0.0	8.5	0.8747699	194.3	16.3	140.0	12.8	NA	NA	
Spot 248	130	2324.2	1.7	23.2	4.1	0.3	18.9	0.1	18.5	0.9757338	332.3	59.9	277.1	46.0	NA	NA	
Spot 250	115	35831.2	1.9	15.0	3.1	1.5	5.8	0.2	4.9	0.8408079	990.5	44.6	940.1	35.4	824.0	65.3	-20.2
Spot 251	192	7985.5	4.5	13.4	3.9	1.7	7.3	0.2	6.2	0.8477359	982.5	56.2	1004.8	46.4	1053.9	77.7	6.8
Spot 253	1112	110978.1	9.9	12.5	0.8	2.4	1.6	0.2	1.4	0.8587317	1281.4	16.0	1251.0	11.5	1199.0	16.2	-6.9
Spot 257	350	38683.3	4.2	11.4	1.4	3.1	2.7	0.3	2.4	0.8649667	1479.0	31.4	1439.8	21.1	1382.5	26.5	-7.0
Spot 268	107	3778.5	2.0	13.0	1.8	2.1	2.7	0.2	2.0	0.7416746	1170.2	21.2	1150.5	18.4	1113.6	35.8	-5.1
Spot 27	69	21412.1	1.4	17.1	4.1	1.1	10.5	0.1	9.7	0.9207586	854.1	77.5	772.4	57.0	542.9	89.8	-57.3
Spot 275	121	4905.6	1.0	12.9	2.4	2.2	3.7	0.2	2.9	0.7681656	1205.6	31.7	1182.8	26.2	1141.4	47.7	-5.6
Spot 276	150	2759.6	1.2	19.2	5.2	0.2	12.5	0.0	11.4	0.9080619	207.6	23.2	214.6	24.2	291.7	119.7	28.8
Spot 278	129	383.0	4.9	501.6	74.4	0.0	80.3	0.0	30.0	0.3737598	109.5	32.6	4.8	3.8	NA	NA	
Spot 284	107	2880.2	2.4	15.4	3.1	1.4	3.5	0.2	1.6	0.4677473	908.2	13.8	869.6	20.3	772.5	64.7	-17.6
Spot 289	87	2129.1	3.2	15.9	1.7	1.3	2.5	0.2	1.9	0.7441415	925.3	16.3	863.0	14.8	706.2	36.1	-31.0
Spot 29	132	2943.8	1.5	14.9	2.4	1.4	2.7	0.2	1.3	0.490026	929.3	11.6	902.3	16.3	836.8	49.5	-11.1
Spot 291	299	36495.3	3.5	11.9	1.0	2.8	2.0	0.2	1.8	0.8795678	1372.5	21.8	1342.8	15.0	1295.7	18.6	-5.9
Spot 301	89	135471.4	2.1	14.2	1.6	1.7	2.2	0.2	1.6	0.7046726	1035.5	15.1	1006.2	14.3	942.8	32.5	-9.8
Spot 302	87	2513.4	2.7	15.5	1.7	1.4	2.4	0.2	1.6	0.6905573	919.4	14.0	874.2	13.9	761.5	36.1	-20.7
Spot 303	835	30051.7	0.9	19.4	2.1	0.3	12.1	0.0	11.9	0.9845691	276.6	32.2	275.8	29.2	269.0	48.5	-2.8
Spot 31	92	36536.5	3.5	13.6	3.9	1.4	8.2	0.1	7.3	0.8826983	856.0	58.3	904.5	49.4	1024.8	78.3	16.5
Spot 310	114	2456.9	3.3	15.4	1.6	1.4	2.3	0.2	1.6	0.7231673	938.2	14.2	890.5	13.4	773.8	32.8	-21.2
Spot 312	469	23843.3	4.2	12.0	0.8	2.7	1.4	0.2	1.1	0.8114087	1372.9	14.2	1338.4	10.5	1283.8	16.1	-6.9
Spot 315	76	4516.6	1.3	27.6	6.2	0.3	28.8	0.1	28.1	0.9763828	429.5	116.7	300.3	74.9	NA	NA	
Spot 35	334	9443.2	0.6	29.6	1.6	0.6	30.0	0.1	30.0	0.9985578	746.1	211.4	459.0	111.4	NA	NA	
Spot 55	109	2438.7	2.0	13.9	1.6	1.8	2.1	0.2	1.4	0.6440161	1093.5	13.7	1055.1	13.9	976.5	33.0	-12.0
Spot 56	73	5567.7	18.9	15.3	3.3	1.4	5.2	0.2	3.9	0.7623093	962.6	35.2	909.2	31.0	781.7	70.3	-23.1
Spot 62	1495	136382.9	3.4	13.5	0.9	2.0	2.5	0.2	2.3	0.9287031	1158.9	24.8	1119.0	17.0	1042.1	18.8	-11.2
Spot 65	258	37187.4	1.0	20.1	2.7	0.3	13.7	0.1	13.5	0.979834	318.7	41.8	302.2	35.9	176.9	64.0	-80.2
Spot 7	121	347245.1	0.9	17.5	3.9	0.2	8.6	0.0	7.6	0.8900227	200.8	15.1	225.6	17.4	492.9	86.3	59.3
Spot 76	209	2810.0	1.1	18.1	6.0	0.2	12.7	0.0	11.2	0.8802939	201.1	22.2	219.8	25.2	425.1	134.8	52.7
Spot 9	121	1154.8	1.8	25.6	4.5	0.2	25.5	0.0	25.1	0.9843358	231.9	57.2	183.0	42.7	NA	NA	
Spot 95	268	17264.3	1.4	15.7	4.7	0.4	9.3	0.0	8.0	0.8614709	313.7	24.6	368.8	28.8	731.5	100.3	57.1