

## Data Repository Item: Appendix 1

### Detrital Zircon Methods

Zircon separation procedures were as follows: rock sample was cleaned with pressurized air and crushed and powdered using jaw crusher and disk grinder; powdered sample was run through Gemeni table to remove the light fraction; remaining sample soaked in 10% acetic acid until no reaction took place; sample was washed and then soaked in 10% hydrogen peroxide until no reaction took place; sample was washed and dried; sample was run through vertical Franz to remove iron filings; nonmagnetic fraction placed in Lithium Metatungstate (LMT) with density of 2.96 gm/cm<sup>3</sup> to remove lighter fraction; remaining heavy fraction run through slope Franz to remove remaining mafic minerals (settings for slope Franz were 10° at 0.5 Amps, 10° at 1.0 Amps, and 10° at 1.8 Amps, following Sircombe and Stern [2002]); the nonmagnetic slope Franz split was placed in Methylene Iodide (MEI) with density of 3.3 gm/cm<sup>3</sup>; part of the heavy MEI split (mostly zircon grains) was spread out on a microscope slide; a small area of the slide was cleared of all zircon grains and those zircon grains (representative of the entire sample) were mounted in epoxy for analysis by SHRIMP-RG (sensitive, high resolution ion microprobe – reverse geometry).

For U-Pb analyses using the SHRIMP-RG at the Stanford-USGS Micro-isotopic Analytical Center (SUMAC), the intensity of the O<sub>2</sub><sup>-</sup> primary beam was 6-10 nA, mass resolution was 6500-7500 at 10% peak height, and sensitivity was 5-15 counts per second per 1 nA per 1ppm Pb in SL13 concentration standard. The primary beam spot size was 20-30 μm in diameter and the spot was placed as close as possible to the core of each grain, avoiding cracks and inclusions and recognizing that many grains are fragments. The operator worked systematically through the array of grains mounted in epoxy, thereby avoiding potential bias introduced by selecting grains for analysis. Each analysis consisted of four scans through each isotope mass, counting 2 s on Zr<sub>2</sub>O, 7 s on <sup>204</sup>Pb, 7 s on Background, 12 s on <sup>206</sup>Pb, 16 s on <sup>207</sup>Pb, 10 s on <sup>208</sup>Pb, 5 s on <sup>238</sup>U, 3 s on <sup>248</sup>(ThO), and 3 s on <sup>254</sup>(UO). Grains with ages near the Jurassic-Cretaceous boundary were re-analyzed following cleaning and re-polishing of the sample mount, using six scans through each isotope mass and longer counting times of 16 s on <sup>206</sup>Pb, 20 s on <sup>207</sup>Pb, 10 s on <sup>208</sup>Pb, 6 s on <sup>238</sup>U, 4 s on <sup>248</sup>(ThO), and 4 s on <sup>254</sup>(UO) in order to reduce uncertainty and improve precision in calculating these ages. The ten samples were analyzed during four separate multiple-day sessions during 2002- 2004, thus minimizing the probability of machine-related bias in the age analyses.

Sircombe, K. N., and Stern, R. A., 2002, An investigation of artificial biasing in detrital zircon U-Pb geochronology due to magnetic separation in sample preparation: *Geochimica et Cosmochimica Acta*, v. 66, p. 2379-2397.

## Data Repository Item 2006004: Table DR1

Strike-through data indicates discordant grains that were not considered further  
204-corrected 207Pb/206Pb ages reported for grains older than 1000 Ma only

Spot Name	ppm U	ppm Th	232Th /238U	Total 238 /206	% err	Total 207 /206	% err	204corr 206Pb /238U Age	1s err	207corr 206Pb /238U Age	1s err	204corr 207Pb /206Pb Age	1s err
108-1	290.75	87.26	0.31	43.07	1.12	0.05	4.18	148.0	1.6	147.7	1.7		
108-2	491.86	161.25	0.34	42.87	0.92	0.05	4.62	148.6	1.4	148.8	1.4		
108-3	45.89	8.53	0.19	39.79	2.56	0.05	9.81	160.0	4.0	160.5	4.2		
108-4	106.15	39.93	0.39	4.04	1.09	0.09	4.16	1425.4	13.9	1430.5	16.1	1355.8	80.3
108-5	507.52	309.75	0.63	32.93	0.83	0.05	2.54	192.9	1.6	193.0	1.6		
<del>108-6</del>	<del>143.39</del>	<del>35.65</del>	<del>0.26</del>	<del>3.87</del>	<del>0.84</del>	<del>0.09</del>	<del>1.18</del>	<del>1482.2</del>	<del>11.2</del>	<del>1489.7</del>	<del>12.3</del>	<del>1387.2</del>	<del>22.7</del>
108-7	82.88	29.92	0.37	42.22	2.01	0.05	7.12	150.9	3.0	150.4	3.1		
108-8	376.11	92.37	0.25	39.20	1.12	0.05	3.31	162.4	1.8	162.7	1.8		
108-9	220.22	237.63	1.11	3.33	0.73	0.10	0.89	1693.5	10.9	1699.5	12.3	1636.5	16.8
108-10	912.89	363.29	0.41	39.63	0.80	0.05	2.08	160.5	1.3	160.3	1.3		
108-11	1512.88	826.96	0.56	42.37	0.76	0.05	1.96	150.3	1.1	150.2	1.1		
108-12	100.21	50.34	0.52	23.09	1.42	0.05	4.69	273.3	3.8	273.5	3.9		
108-13	324.06	20.31	0.06	8.90	0.74	0.06	1.52	686.2	4.8	688.4	5.0		
108-14	157.40	65.68	0.43	42.94	1.49	0.05	5.24	148.4	2.2	147.9	2.2		
108-15	443.05	286.89	0.67	14.00	0.75	0.06	1.80	444.7	3.2	444.4	3.3		
108-16	70.64	15.84	0.23	6.19	1.28	0.07	2.66	965.7	11.5	965.4	12.1		
108-17	103.06	75.31	0.76	22.08	1.66	0.13	9.33	266.0	6.8	258.0	6.0		
108-18	113.48	28.79	0.26	43.72	1.78	0.05	6.51	145.8	2.6	145.7	2.6		
108-19	213.83	107.78	0.52	32.46	1.18	0.05	3.94	194.3	2.3	195.2	2.3		
108-20	263.75	154.18	0.60	44.89	1.19	0.05	4.20	142.0	1.7	142.0	1.7		
108-21	106.12	64.08	0.62	11.44	1.73	0.06	3.77	536.7	9.1	539.9	9.2		
<del>108-22</del>	<del>103.93</del>	<del>36.97</del>	<del>0.37</del>	<del>2.86</del>	<del>1.56</del>	<del>0.13</del>	<del>1.38</del>	<del>1931.5</del>	<del>26.0</del>	<del>1905.7</del>	<del>29.5</del>	<del>2100.5</del>	<del>25.2</del>
108-23	903.29	281.59	0.32	25.88	1.24	0.06	1.84	244.1	3.0	242.3	3.0		
108-24	362.55	104.74	0.30	40.08	1.58	0.05	4.33	157.6	2.5	158.7	2.5		
108-25	441.02	268.97	0.63	45.65	1.57	0.05	4.20	139.7	2.2	139.1	2.2		
108-26	167.29	193.65	1.20	4.22	1.40	0.09	1.53	1371.7	17.4	1370.4	18.7	1390.2	29.3
108-27	210.75	43.86	0.22	33.94	1.67	0.05	6.62	187.2	3.1	186.9	3.2		
<del>108-28</del>	<del>128.75</del>	<del>50.33</del>	<del>0.40</del>	<del>4.76</del>	<del>1.42</del>	<del>0.09</del>	<del>2.48</del>	<del>1229.6</del>	<del>15.9</del>	<del>1222.3</del>	<del>17.0</del>	<del>1351.2</del>	<del>47.8</del>
108-29	106.55	82.78	0.80	6.03	1.65	0.08	2.29	989.4	15.1	985.4	15.8	1084.6	46.0
108-30	71.89	46.61	0.67	11.10	1.98	0.06	4.64	556.2	10.6	553.1	10.9		
108-31	280.08	163.88	0.60	33.77	1.67	0.05	4.61	188.1	3.1	187.6	3.2		
108-32	251.03	80.35	0.33	41.40	1.94	0.05	5.11	152.1	2.9	153.5	3.0		
108-33	81.78	20.13	0.25	44.90	2.99	0.04	11.61	142.0	4.2	142.8	4.3		

108-34	1134.53	469.99	0.43	36.14	1.25	0.05	2.19	176.0	2.2	176.2	2.2		
108-35	286.90	93.62	0.34	6.24	1.31	0.08	1.60	956.6	11.7	951.5	12.2	1083.4	35.6
108-36	949.69	486.38	0.53	40.50	1.37	0.05	2.95	156.6	2.2	156.2	2.1		
108-37	407.66	246.05	0.62	43.23	1.59	0.05	4.25	146.9	2.3	147.0	2.4		
108-38	164.36	74.32	0.47	27.81	1.81	0.05	5.06	227.7	4.0	226.7	4.1		
108-39	164.31	88.88	0.56	6.11	1.48	0.07	2.21	976.0	13.4	976.4	14.1		
108-40	495.07	173.58	0.36	32.93	1.45	0.05	3.42	192.1	2.8	192.6	2.8		
108-41	924.93	510.39	0.57	41.73	1.34	0.05	3.03	152.1	2.0	152.3	2.0		
108-42	637.74	278.03	0.45	11.18	1.22	0.06	1.46	552.4	6.5	551.1	6.6		
108-43	756.53	344.20	0.47	35.06	1.31	0.05	3.99	181.3	2.3	180.6	2.4		
108-44	172.50	82.42	0.49	47.76	1.92	0.05	5.80	132.1	2.6	132.6	2.6		
108-45	252.51	99.67	0.41	37.42	2.05	0.05	5.77	166.6	3.7	170.5	3.5		
108-46	184.58	83.90	0.47	33.22	1.84	0.04	5.66	190.0	3.5	192.9	3.6		
108-47	162.45	77.58	0.49	26.32	1.80	0.05	4.84	239.2	4.3	239.4	4.3		
108-48	213.86	149.35	0.72	3.69	1.31	0.12	1.08	1543.6	18.1	1502.0	19.2	1950.1	21.3
108-49	149.46	88.79	0.61	13.73	1.61	0.06	3.59	453.3	7.1	452.9	7.2		
108-50	655.44	197.32	0.31	32.68	1.33	0.05	2.67	194.3	2.6	193.9	2.6		
108-51	231.34	80.97	0.36	3.65	1.34	0.11	1.77	1560.9	18.6	1546.9	20.4	1707.8	33.2
108-52	92.26	35.81	0.40	45.30	2.67	0.05	9.68	138.3	4.0	141.1	3.8		
108-53	108.24	71.42	0.68	10.18	1.68	0.06	4.10	604.1	9.7	601.6	10.0		
108-54	312.18	85.88	0.28	33.31	1.57	0.05	4.10	190.7	2.9	190.3	3.0		
108-55	164.69	69.39	0.44	42.05	1.91	0.05	5.70	149.3	3.0	150.6	2.9		
108-56	297.84	242.69	0.84	24.23	1.47	0.05	3.32	260.7	3.7	260.3	3.8		
108-57	120.37	52.95	0.45	4.45	1.51	0.09	1.96	1305.9	17.8	1301.7	19.1	1368.6	37.8
108-58	62.93	32.11	0.53	23.96	2.43	0.05	8.10	263.6	6.3	265.2	6.5		
108-59	111.91	57.37	0.53	44.09	2.27	0.05	7.46	144.6	3.2	143.8	3.3		
108-60	271.17	82.01	0.31	43.35	1.69	0.05	4.77	147.0	2.5	146.6	2.5		
JC12-1	1138	163	0.15	3.96	0.9	.0963	0.6	1449.2	11.1	1441.3	12.1	1537.5	12.4
JC12-2	345	155	0.46	3.38	1.0	.1026	0.7	1667.4	14.2	1669.8	16.0	1647.2	16.0
JC12-3	179	129	0.74	20.53	1.3	.0540	3.3	307.4	3.9	306.0	4.0		
JC12-4	147	137	0.96	11.26	1.3	.0610	2.5	548.7	6.6	547.0	6.8		
JC12-5	371	182	0.51	4.71	1.0	.0825	0.9	1241.4	11.6	1240.4	12.4	1257.0	17.4
JC12-6	226	258	1.18	3.83	1.1	.0906	1.0	1492.4	14.1	1500.0	15.6	1408.9	24.0
JC12-7	402	158	0.41	5.09	1.0	.0785	0.9	1155.7	10.1	1155.9	10.8	1151.2	18.7
JC12-8	466	124	0.27	26.21	1.0	.0516	2.3	241.0	2.5	241.2	2.5		
JC12-9	103	91	0.91	38.48	1.8	.0670	5.2	161.9	3.6	161.8	3.0		
JC12-10	79	38	0.49	42.91	1.3	.0607	4.9	144.3	3.3	146.4	2.0		
JC12-11	124	54	0.45	41.54	1.1	.0586	4.0	149.3	2.3	151.6	1.7		
JC12-12	558	92	0.17	38.29	1.1	.0495	2.6	165.7	1.8	166.2	1.8		
JC12-13	1628	859	0.55	32.42	0.9	.0507	1.4	195.7	1.7	195.6	1.7		
JC12-14	414	78	0.71	5.52	1.2	.0860	1.7	1076.2	12.4	1059.7	13.0	1377.8	41.3

JC12-15	414	48	0.45	3.75	1.4	.1163	1.4	1503.2	19.4	1481.9	21.4	1713.0	61.3
JC12-16	441	238	0.56	40.48	1.2	.0498	3.0	157.1	1.8	157.2	1.8		
JC12-17	122	67	0.57	42.52	1.1	.0543	5.0	143.9	3.3	148.9	1.7		
JC12-18	89	20	0.23	33.07	1.9	.0583	5.7	188.6	4.3	190.1	3.6		
JC12-19	61	26	0.44	5.33	1.5	.0780	2.4	1103.2	15.7	1105.7	16.6	1054.1	71.1
JC12-20	121	43	0.37	31.56	1.7	.0533	5.0	201.1	3.3	200.3	3.4		
JC12-21	217	69	0.33	31.40	1.6	.0544	3.7	201.6	3.1	201.1	3.1		
JC12-22	256	156	0.63	30.25	1.3	.0506	3.4	208.0	2.6	209.6	2.7		
JC12-23	182	95	0.54	40.65	0.9	.0629	5.7	153.6	1.9	154.1	1.5		
JC12-24	228	168	0.76	15.03	1.2	.0566	2.4	414.8	4.7	414.5	4.8		
JC12-25	461	157	0.35	5.09	0.9	.0791	0.8	1155.3	9.9	1154.5	10.5	1170.0	16.7
JC12-26	567	216	0.39	40.39	1.1	.0511	2.6	157.2	1.7	157.3	1.7		
JC12-27	163	48	0.30	43.35	1.3	.0567	3.3	142.2	2.4	145.6	1.9		
JC12-28	42	10	0.24	31.88	2.6	.0609	8.0	196.8	5.6	196.5	5.2		
JC12-29	896	360	0.42	34.38	1.0	.0507	1.9	184.8	1.8	184.6	1.8		
JC12-30	148	145	1.01	2.90	1.1	.1173	1.0	1907.7	18.8	1907.1	22.2	1910.7	17.8
JC12-31	33	7	0.23	31.71	3.4	.0650	8.5	190.7	8.4	196.5	6.8		
JC12-32	430	316	0.76	43.05	0.5	.0501	2.2	148.3	0.8	147.8	0.8		
JC12-33	675	392	0.60	39.58	1.0	.0508	2.3	160.5	1.6	160.5	1.6		
JC12-34	533	94	0.18	5.71	0.9	.0751	0.9	1038.7	9.0	1038.0	9.4	1054.7	18.8
JC12-35	618	431	0.72	41.11	1.1	.0505	2.6	154.3	1.7	154.7	1.7		
JC12-36	15	22	1.59	3.48	2.6	.1177	3.3	1635.2	38.2	1589.7	41.8	1988.7	73.9
JC12-37	111	34	0.31	3.53	1.2	.1006	1.7	1603.4	17.6	1603.3	19.8	1604.6	35.1
JC12-38	201	58	0.30	37.73	1.4	.0563	4.2	166.8	2.6	167.2	2.5		
JC12-39	159	93	0.60	4.50	1.1	.0868	1.3	1293.0	13.2	1289.1	14.2	1347.9	25.8
JC12-40	89	34	0.39	42.22	1.2	.0557	4.6	146.9	2.5	149.7	1.8		
JC12-41	788	204	0.27	40.63	1.0	.0499	2.3	156.7	1.6	156.6	1.6		
JC12-42	510	60	0.12	18.83	1.0	.0547	1.9	332.8	3.3	333.0	3.3		
JC12-43	238	19	0.08	9.26	1.1	.0613	1.8	659.6	6.9	661.1	7.1		
JC12-44	98	49	0.51	6.44	1.4	.0726	2.2	930.9	11.8	928.1	12.4	1002.0	45.4
JC12-45	314	172	0.57	25.25	1.2	.0506	2.9	249.3	2.9	250.5	2.9		
JC12-46	178	68	0.40	27.92	1.4	.0512	3.9	226.7	3.1	226.7	3.2		
JC12-47	394	36	0.09	8.12	1.0	.0695	2.3	747.6	7.0	743.4	7.3		
JC12-48	70	17	0.26	31.18	2.1	.0609	6.1	205.8	4.6	200.8	4.2		
JC12-49	79	23	0.30	4.26	1.4	.1235	1.6	1293.1	19.3	1296.4	20.0	1245.8	214.2
JC12-50	105	34	0.34	44.75	1.1	.0561	4.2	142.3	1.6	141.2	1.6		
JC12-51	317	101	0.33	5.69	1.0	.0764	1.1	1043.0	9.6	1041.2	10.1	1081.2	23.3
JC12-52	119	63	0.55	40.86	1.8	.0670	5.0	151.8	3.4	152.5	2.8		
JC12-53	111	44	0.41	6.02	1.3	.0752	2.0	985.7	12.3	986.2	12.7		
JC12-54	126	49	0.40	35.83	1.6	.0560	5.0	174.7	3.2	176.1	2.9		
JC12-55	165	43	0.27	32.45	1.5	.0482	4.6	194.7	3.0	196.1	3.0		
JC12-56	120	100	0.86	5.43	1.4	.0849	1.7	1089.3	14.2	1078.3	14.9	1292.3	42.1

JC12-57	83	52	0.65	38.28	2.1	.0537	7.7	161.9	3.9	165.4	3.5		
JC12-58	310	169	0.56	37.25	1.2	.0544	3.3	170.7	2.1	169.8	2.1		
JC12-59	215	78	0.38	10.52	1.1	.0607	2.0	585.3	6.3	584.7	6.4		
JC12-60	44	13	0.30	38.44	2.7	.0655	8.2	159.8	6.2	162.3	4.5		
JC14-1	412	372	0.93	29.92	1.1	.0517	2.6	210.9	2.3	211.6	2.3		
JC14-2	162	199	1.27	6.03	1.1	.0739	1.6	988.4	10.4	987.2	10.9	1017.2	35.5
JC14-3	193	142	0.76	25.48	1.3	.0571	3.3	246.2	3.3	246.4	3.3		
JC14-4	84	45	0.56	5.37	1.3	.0764	2.0	1098.9	13.6	1101.1	14.4	1055.0	43.0
JC14-5	795	88	0.11	23.09	1.0	.0520	1.7	273.1	2.6	273.3	2.6		
JC14-6	252	84	0.35	43.27	0.7	.0508	2.8	146.7	1.1	147.0	1.1		
JC14-7	455	49	0.11	5.81	0.9	.0771	1.7	1022.6	8.8	1018.5	9.3	1108.7	35.1
JC14-8	93	81	0.90	5.59	1.3	.0722	2.0	1058.1	12.8	1063.3	13.6	946.5	45.0
JC14-9	39	59	1.55	1.92	1.7	.1876	1.2	2701.6	37.3	2698.6	59.5	2706.9	21.9
JC14-10	87	24	0.28	20.10	1.6	.0549	4.6	307.1	5.4	312.2	5.1		
JC14-11	290	146	0.52	38.61	1.3	.0526	3.5	164.5	2.2	164.2	2.1		
JC14-12	251	56	0.23	5.77	1.1	.0786	2.3	1029.0	10.6	1024.2	11.3	1129.8	52.9
JC14-13	105	127	1.25	29.70	1.6	.0577	4.6	213.5	3.4	211.6	3.5		
JC14-14	28	18	0.68	9.79	2.3	.0646	5.1	632.1	14.1	624.2	13.9		
JC14-15	216	77	0.37	40.67	1.4	.0507	4.3	158.0	2.4	156.3	2.2		
JC14-16	58	18	0.33	43.03	2.1	.0621	8.7	140.3	5.3	145.7	3.2		
JC14-17	80	22	0.28	6.15	1.4	.0758	2.3	967.5	12.8	966.2	13.3		
JC14-18	381	332	0.90	13.36	1.0	.0572	1.8	465.0	4.6	465.0	4.7		
JC14-19	170	56	0.34	40.48	1.5	.0554	4.5	157.3	2.3	156.1	2.4		
JC14-20	111	105	0.97	14.46	1.4	.0586	3.2	431.0	5.8	429.4	6.0		
JC14-21	179	73	0.42	26.49	1.3	.0520	3.2	237.4	3.0	238.6	3.0		
JC14-22	181	108	0.62	3.12	1.1	.1101	0.9	1790.1	16.5	1790.0	18.9	1790.4	17.0
JC14-23	404	150	0.38	37.88	1.1	.0528	2.9	168.0	1.9	167.3	1.9		
JC14-24	35	13	0.40	23.11	2.5	.0613	7.3	267.1	6.9	269.9	6.9		
JC14-25	79	23	0.31	19.67	1.7	.0566	4.7	316.8	5.8	318.1	5.5		
JC14-26	363	176	0.50	31.78	1.1	.0506	2.9	199.7	2.2	199.6	2.3		
JC14-27	263	64	0.25	32.62	1.3	.0511	3.5	195.5	2.4	194.4	2.5		
JC14-28	377	126	0.34	3.52	1.0	.1040	0.7	1609.4	14.6	1600.2	16.2	1690.7	13.4
JC14-29	458	162	0.37	1.59	0.9	.2754	0.4	3142.1	22.6	2874.9	84.7	3336.6	6.9
JC14-30	48	8	0.18	30.56	2.4	.0575	8.4	202.2	5.3	205.8	5.1		
JC14-31	135	211	1.61	27.82	1.5	.0527	4.3	225.1	3.6	227.1	3.4		
JC14-32	623	258	0.43	27.55	1.0	.0533	2.0	229.6	2.3	229.1	2.3		
JC14-33	40	15	0.39	9.25	2.0	.0715	4.1	656.9	12.2	653.8	12.7		
JC14-34	23	13	0.58	4.48	2.2	.0866	3.3	1291.4	25.4	1295.2	27.6	1236.6	78.9
JC14-35	151	95	0.65	4.11	1.1	.0923	1.2	1404.4	14.1	1398.4	15.3	1475.9	23.3
JC14-36	141	35	0.26	5.75	1.2	.0740	1.6	1032.8	11.1	1033.1	11.7	1026.8	34.3
JC14-37	277	239	0.89	11.10	1.1	.0582	1.9	555.0	5.8	556.6	5.9		

JC14-38	78	51	0.68	5.65	1.4	.0729	2.2	1046.4	13.7	1052.1	14.5	920.8	56.0
JC14-39	65	35	0.55	4.08	1.5	.0916	1.9	1412.0	19.0	1408.5	20.7	1453.7	37.3
JC14-40	306	329	1.11	14.61	1.1	.0573	2.0	426.2	4.4	425.8	4.5		
JC14-41	418	94	0.82	5.59	1.2	.0747	1.8	1056.4	12.2	1061.2	12.9	953.7	59.2
JC14-42	194	116	0.62	45.58	0.8	.0540	3.3	139.3	1.3	139.0	1.2		
JC14-43	648	623	0.99	37.57	1.0	.0536	2.2	168.9	1.7	168.5	1.7		
JC14-44	120	27	0.23	40.00	1.7	.0493	5.5	155.1	3.2	159.2	2.7		
JC14-45	568	234	0.42	32.58	1.1	.0535	2.4	194.1	2.1	194.1	2.1		
JC14-46	182	82	0.47	31.32	1.5	.0483	4.6	202.9	3.0	203.1	3.0		
JC14-47	161	95	0.61	26.07	1.4	.0564	3.6	242.5	3.3	241.1	3.3		
JC14-48	101	34	0.34	5.64	1.3	.0750	2.0	1050.6	12.8	1051.0	13.5	1040.5	45.4
JC14-49	84	36	0.45	43.42	1.2	.0625	4.7	144.8	2.3	144.3	1.8		
JC14-50	208	67	0.33	5.77	1.1	.0736	1.3	1027.8	10.0	1030.3	10.6	971.7	29.4
JC14-51	236	171	0.75	5.19	1.0	.0770	1.4	1136.4	10.9	1137.7	11.6	1113.3	27.9
JC14-52	588	401	0.70	31.73	1.1	.0491	2.5	199.3	2.1	200.3	2.1		
JC14-53	61	26	0.44	43.84	1.4	.0612	5.5	149.8	3.2	143.2	2.1		
JC14-54	95	55	0.60	3.43	1.3	.1032	1.4	1645.5	18.8	1646.3	21.1	1638.3	32.8
JC14-55	90	32	0.37	5.01	1.3	.0802	1.8	1171.5	14.2	1172.3	15.1	1157.8	50.5
JC14-56	110	33	0.31	26.37	1.6	.0559	4.5	239.9	3.8	238.5	3.9		
JC14-57	183	94	0.53	3.18	1.1	.1063	0.9	1759.8	16.3	1764.6	18.7	1724.4	18.3
JC14-58	570	402	0.73	31.64	1.0	.0612	2.2	197.9	2.2	197.9	2.1		
JC14-59	156	52	0.34	11.88	1.2	.0575	2.5	520.9	6.1	521.0	6.3		
JC14-60	16	6	0.36	3.83	2.5	.1465	3.4	1493.2	33.9	1395.4	38.2	2288.2	66.9
JC17-1	333	139	0.43	13.75	1.1	.0582	1.8	452.2	4.6	451.4	4.7		
JC17-2	310	94	0.31	23.30	1.2	.0523	2.6	270.3	3.1	270.7	3.1		
JC17-3	63	31	0.52	43.31	1.7	.0617	5.4	140.6	3.2	144.9	2.6		
JC17-4	588	133	0.23	10.00	0.9	.0973	0.9	613.5	5.5	586.6	6.5		
JC17-5	163	181	1.15	5.52	1.2	.0764	1.5	1068.3	11.5	1070.9	12.2	1013.3	34.1
JC17-6	83	36	0.45	9.26	1.5	.0626	2.9	654.1	9.8	660.0	9.8		
JC17-7	353	350	1.02	11.46	1.0	.0562	1.7	539.6	5.4	540.5	5.5		
JC17-8	262	451	1.78	19.70	1.2	.0546	2.6	317.7	3.8	318.5	3.8		
JC17-9	135	91	0.70	9.28	1.3	.0632	2.3	658.9	8.0	658.4	8.3		
JC17-10	236	95	0.42	39.01	1.4	.0541	4.0	163.9	2.4	162.2	2.3		
JC17-11	347	76	0.23	2.60	1.0	.1360	0.5	2096.0	17.4	2079.4	21.3	2170.0	9.9
JC17-12	346	20	0.06	8.80	1.0	.0632	1.4	693.4	6.7	693.6	7.0		
JC17-13	129	76	0.61	3.82	1.2	.0931	1.3	1499.5	16.3	1500.4	18.0	1489.5	24.1
JC17-14	124	48	0.40	19.48	1.5	.0535	3.8	323.1	4.7	322.4	4.8		
JC17-15	1642	2571	1.62	25.41	0.9	.0514	1.2	248.5	2.2	248.7	2.2		
JC17-16	855	326	0.39	22.76	1.0	.0514	1.5	277.0	2.8	277.3	2.8		
JC17-17	205	138	0.69	9.45	1.2	.0608	1.9	648.2	7.2	648.6	7.4		
JC17-18	282	178	0.65	7.44	1.1	.0663	1.5	811.5	8.2	812.4	8.6		

JC17-19	338	90	0.27	5.02	1.0	.0772	1.0	1170.7	10.7	1173.2	11.4	1127.5	19.6
JC17-20	292	177	0.63	19.55	1.2	.0751	2.1	311.4	4.1	312.9	3.8		
JC17-21	502	424	0.87	3.51	4.0	.1063	0.6	1615.4	14.1	1603.0	15.7	1603.0	15.7
JC17-22	71	27	0.39	5.59	1.5	.0755	2.2	1060.9	14.5	1060.7	15.4	1065.2	49.3
JC17-23	246	79	0.33	9.02	1.1	.0668	4.8	677.2	7.1	673.5	7.7		
JC17-24	293	130	0.46	6.46	1.0	.0695	1.4	927.4	9.0	927.7	9.4		
JC17-25	137	47	0.35	3.74	1.2	.0929	1.2	1525.2	16.1	1531.2	17.8	1462.4	26.8
JC17-26	1188	781	0.68	11.33	0.9	.0587	0.9	543.7	4.8	544.9	4.9		
JC17-27	546	239	0.45	17.56	1.0	.0537	1.8	356.5	3.6	356.9	3.6		
JC17-28	322	131	0.42	20.58	1.1	.0538	2.4	306.4	3.5	305.4	3.5		
JC17-29	258	132	0.53	11.19	1.1	.0586	1.9	550.9	5.9	551.9	6.0		
JC17-30	116	89	0.79	3.54	1.2	.1003	1.2	1600.2	17.5	1600.2	19.5	1600.4	29.9
JC17-31	312	356	1.18	16.08	1.1	.0534	2.1	387.2	4.2	389.4	4.2		
JC17-32	125	145	1.20	3.37	1.2	.1017	1.2	1673.3	18.0	1675.5	20.4	1655.3	21.7
JC17-33	341	247	0.75	4.13	1.0	.0888	0.8	1395.5	12.4	1396.3	13.5	1385.7	17.7
JC17-34	160	107	0.69	11.05	1.2	.0577	2.4	559.6	6.7	559.3	6.8		
JC17-35	139	48	0.36	41.48	1.8	.0493	5.5	154.0	2.7	153.5	2.8		
JC17-36	466	233	0.52	38.63	1.2	.0491	2.9	163.9	1.9	164.8	1.9		
JC17-37	98	47	0.49	36.88	1.9	.0520	5.6	170.2	3.4	171.9	3.3		
JC17-38	73	31	0.45	1.88	1.4	.2009	0.9	2749.6	31.6	2698.2	51.3	2830.4	14.6
JC17-39	92	39	0.44	3.84	1.4	.0935	1.5	1489.4	18.0	1490.6	19.9	1475.7	29.7
JC17-40	131	48	0.37	5.16	1.4	.0770	1.6	1140.1	14.4	1142.8	15.3	1089.1	34.2
JC17-41	142	51	0.37	5.80	1.2	.0738	1.6	1023.7	11.4	1024.7	12.0	1002.8	42.5
JC17-42	156	134	0.89	1.89	1.1	.1888	0.6	2732.2	24.8	2737.4	40.5	2723.8	10.4
JC17-43	191	103	0.56	44.91	1.3	.0537	3.5	139.9	2.1	141.1	1.9		
JC17-44	274	127	0.48	9.46	1.1	.0619	1.7	646.7	6.6	647.0	6.8		
JC17-45	155	53	0.35	5.06	1.2	.0785	1.4	1162.7	12.4	1162.9	13.2	1159.3	28.5
JC17-46	680	1742	2.65	39.61	1.1	.0514	2.3	160.3	1.7	160.3	1.7		
JC17-47	568	536	0.98	27.75	1.0	.0494	2.2	227.9	2.4	228.6	2.4		
JC17-48	139	68	0.50	4.28	1.2	.0856	1.3	1350.1	14.7	1355.1	15.9	1281.6	36.8
JC17-49	202	67	0.34	31.36	1.4	.0501	3.9	201.7	2.9	202.4	2.9		
JC17-50	272	189	0.72	3.54	1.0	.0981	0.8	1603.2	14.4	1604.2	16.1	1593.8	15.7
JC17-51	162	134	0.86	10.96	1.2	.0581	2.4	561.8	6.7	563.4	6.9		
JC17-52	120	65	0.56	41.46	1.9	.0494	6.0	153.8	2.9	153.6	2.9		
JC17-53	28	26	0.98	7.92	2.3	.0688	4.7	726.5	21.5	763.1	17.3		
JC17-54	687	313	0.47	38.64	1.2	.0511	2.3	165.1	1.9	164.4	1.9		
JC17-55	1636	417	0.26	38.32	0.9	.0536	1.5	165.6	1.5	165.2	1.5		
JC17-56	598	1127	1.95	25.34	1.0	.0514	2.0	249.1	2.5	249.4	2.5		
JC17-57	161	70	0.45	45.20	1.4	.0542	3.7	141.3	1.9	140.1	1.9		
JC17-58	122	45	0.38	41.74	1.8	.0461	5.9	154.0	3.0	153.2	2.8		
JC17-59	146	60	0.42	31.23	1.6	.0500	4.6	205.1	3.5	203.2	3.3		
JC17-60	12	12	1.00	9.23	3.4	.0777	6.8	660.8	23.2	650.5	22.2		

JC18-1	44	38	0.89	5.61	1.8	.0736	3.2	1051.6	17.7	1058.0	18.3	908.7	131.4
JC18-2	249	124	0.52	44.17	1.4	.0532	4.4	142.8	2.2	143.6	2.1		
JC18-3	57	26	0.47	5.96	1.7	.0751	2.9	996.8	15.3	997.1	16.2		
JC18-4	158	91	0.60	39.61	1.6	.0468	5.6	158.5	3.4	161.2	2.6		
JC18-5	30	15	0.51	5.04	2.1	.0805	3.7	1149.2	24.4	1163.8	23.7	861.8	274.1
JC18-6	230	80	0.36	42.02	1.5	.0550	4.5	153.5	2.5	150.5	2.2		
JC18-7	196	92	0.48	43.60	1.5	.0491	5.3	145.8	2.4	146.2	2.3		
JC18-8	700	191	0.28	38.58	1.2	.0509	2.6	164.7	2.0	164.6	2.0		
JC18-9	50	26	0.55	6.03	1.9	.0760	3.1	989.6	17.7	984.5	18.5	1104.7	61.7
JC18-10	86	49	0.59	4.93	1.5	.0799	2.2	1188.8	16.4	1191.3	17.4	1146.7	62.1
JC18-11	134	183	1.41	16.21	1.6	.0505	3.9	383.7	5.9	387.7	6.1		
JC18-12	366	168	0.48	33.45	1.3	.0515	3.2	188.5	2.6	189.5	2.5		
JC18-13	156	51	0.34	42.16	1.6	.0544	7.8	149.9	3.0	150.1	2.6		
JC18-14	597	307	0.53	3.44	1.2	.1035	1.8	1643.6	16.7	1638.5	19.0	1687.2	32.7
JC18-15	280	202	0.75	39.36	1.5	.0522	4.0	160.3	2.5	161.2	2.4		
JC18-16	193	52	0.28	40.88	1.5	.0501	5.1	155.4	2.4	155.6	2.4		
JC18-17	477	101	0.22	38.43	1.3	.0514	3.1	165.1	2.2	165.2	2.1		
JC18-18	208	81	0.40	36.40	1.5	.0841	3.8	171.0	3.2	167.3	2.7		
JC18-19	163	48	0.30	36.13	1.6	.0581	4.7	176.5	2.8	174.2	2.8		
JC18-20	597	247	0.43	34.75	1.2	.0525	2.6	181.7	2.5	182.3	2.2		
JC18-21	172	58	0.35	3.08	1.3	.1108	1.0	1811.9	20.3	1810.9	23.4	1818.5	18.9
JC18-22	196	68	0.36	40.08	1.7	.0551	5.1	158.4	2.6	157.7	2.7		
JC18-23	360	181	0.52	36.79	1.3	.0513	3.6	172.5	2.3	172.5	2.3		
JC18-24	31	13	0.42	4.91	3.1	.0821	3.5	1206.7	35.2	1192.4	36.4	1425.3	126.0
JC18-25	382	174	0.47	5.90	1.2	.0745	1.8	1008.1	11.0	1007.5	11.6	1019.8	43.8
JC18-26	251	93	0.38	5.45	1.2	.0729	1.4	1085.5	12.4	1089.2	13.1	1010.4	28.7
JC18-27	164	85	0.54	10.45	1.4	.0618	2.6	586.7	7.8	587.4	7.9		
JC18-28	149	47	0.33	38.41	1.8	.0533	5.7	168.7	3.0	164.9	3.0		
JC18-29	63	25	0.42	23.80	2.0	.0562	6.8	267.2	5.4	263.8	5.3		
JC18-30	517	374	0.75	29.28	1.2	.0522	2.8	217.4	2.7	216.0	2.7		
JC18-31	486	205	0.44	37.36	1.3	.0514	3.1	169.9	2.2	169.9	2.2		
JC18-32	178	64	0.37	38.94	1.7	.0564	5.2	159.2	3.2	162.0	2.8		
JC18-33	320	103	0.33	5.16	1.2	.0735	1.2	1142.9	12.6	1149.0	13.4	1028.3	24.2
JC18-34	173	46	0.28	29.16	1.5	.0537	4.5	217.9	3.3	216.5	3.3		
JC18-35	222	117	0.55	25.23	1.5	.0523	3.8	246.9	4.0	250.3	3.8		
JC18-36	267	104	0.40	29.75	1.4	.0502	3.9	214.3	3.0	213.1	3.0		
JC18-37	285	244	0.88	36.78	1.5	.0517	4.1	171.5	2.7	172.5	2.6		
JC18-38	21	14	0.71	5.31	2.7	.0693	4.9	1105.9	31.9	1122.0	30.1	761.1	416.4
JC18-39	585	73	0.13	4.38	1.2	.0810	1.6	1326.4	14.0	1333.8	15.3	1221.1	31.7
JC18-40	240	55	0.24	3.35	1.3	.0961	1.1	1681.8	18.6	1697.9	21.3	1543.5	21.5
JC18-41	911	229	0.26	16.16	1.1	.0545	1.5	385.8	4.3	386.9	4.3		

JC18-42	106	29	0.28	38.26	2.0	.0616	6.2	156.6	4.7	163.8	3.4		
JC18-43	218	72	0.34	22.92	1.4	.0524	3.9	275.8	3.9	275.0	3.9		
JC18-44	46	8	0.48	5.14	2.7	<del>.0823</del>	5.4	1163.2	40.4	1139.2	30.9	1536.1	406.8
JC18-45	64	29	0.46	4.60	1.7	<del>.0791</del>	2.6	1268.7	19.3	1274.9	21.0	1174.3	51.6
JC18-46	146	74	0.53	7.21	1.4	.0675	2.3	833.5	11.3	836.3	11.5		
JC18-47	174	100	0.60	33.29	1.6	.0521	5.1	187.3	3.6	190.3	3.0		
JC18-48	80	29	0.37	7.60	1.8	.0697	3.1	791.8	13.4	793.0	13.7		
JC18-49	154	102	0.68	12.05	1.5	.0577	5.6	511.7	7.2	513.8	7.6		
JC18-50	427	145	0.35	34.19	1.3	.0525	3.4	186.1	2.4	185.2	2.4		
JC18-51	208	107	0.53	38.10	1.5	.0493	5.0	166.4	2.8	167.0	2.6		
JC18-52	424	204	0.50	3.80	1.2	<del>.1003</del>	0.9	1504.2	15.8	1494.2	17.3	1605.7	21.3
JC18-53	202	82	0.42	39.90	1.6	.0572	4.9	154.3	3.2	158.0	2.5		
JC18-54	158	39	0.26	4.42	1.3	<del>.1050</del>	1.4	1310.5	15.8	1281.0	17.3	1676.5	27.4
JC18-55	101	20	0.20	36.90	1.9	.0651	6.5	168.9	5.9	169.1	3.4		
JC18-56	188	88	0.48	26.98	1.6	.0577	4.1	233.4	3.7	232.7	3.7		
JC18-57	207	59	0.30	4.71	1.3	<del>.0781</del>	1.4	1241.0	14.3	1247.5	15.4	1135.7	29.0
JC18-58	185	83	0.46	40.64	1.6	.0530	5.4	153.6	2.9	156.0	2.5		
JC18-59	112	53	0.49	35.30	1.8	.0540	6.3	180.3	3.2	179.1	3.3		
JC18-60	968	58	0.06	39.12	1.2	.0508	2.3	162.0	1.9	162.4	1.9		
JC19-1	547	382	0.72	3.84	1.1	<del>.1021</del>	0.7	1492.6	15.2	1475.8	16.6	1662.5	13.5
JC19-2	69	10	0.15	42.35	2.2	.0666	7.8	142.6	5.0	147.2	3.3		
JC19-3	326	42	0.13	44.45	1.4	.0508	4.0	142.2	2.3	143.1	2.1		
JC19-4	160	36	0.23	40.67	1.6	.0597	5.2	155.1	2.8	154.6	2.5		
JC19-5	298	259	0.90	3.14	1.2	.1055	0.8	1778.0	18.7	1787.5	21.5	1707.7	16.6
JC19-6	94	42	0.47	4.20	1.5	.0901	1.8	1372.6	18.2	1373.9	19.6	1355.3	52.3
JC19-7	636	385	0.63	40.33	1.2	.0490	2.9	158.3	2.0	158.0	2.0		
JC19-8	811	528	0.67	18.72	1.2	.0556	1.7	335.7	3.8	334.5	3.8		
JC19-9	489	445	0.94	28.01	1.3	.0527	2.8	225.4	2.8	225.6	2.8		
JC19-10	270	87	0.33	37.65	1.4	.0522	4.2	168.6	2.4	168.4	2.4		
JC19-11	588	213	0.37	37.49	1.2	.0514	2.8	169.3	2.1	169.3	2.1		
JC19-12	245	82	0.34	40.72	1.5	.0563	4.9	152.2	2.9	155.1	2.3		
JC19-13	180	60	0.35	39.74	1.7	.0689	4.7	155.5	4.2	156.4	2.8		
JC19-14	157	46	0.30	9.91	1.4	.0619	3.8	620.8	8.2	618.7	8.5		
JC19-15	181	62	0.35	5.45	1.4	.0751	1.6	1087.9	13.7	1087.2	14.5	1100.8	36.6
JC19-16	175	56	0.33	27.44	1.5	.0515	4.5	230.1	3.5	230.6	3.5		
JC19-17	259	86	0.34	42.07	1.5	.0561	4.6	151.4	2.2	150.1	2.2		
JC19-18	109	21	0.20	42.23	1.8	.0644	9.7	149.1	3.0	148.1	3.0		
JC19-19	122	20	0.17	40.76	1.8	.0563	6.2	154.9	3.2	154.9	2.8		
JC19-20	57	9	0.17	41.74	2.6	.0696	10.2	142.0	5.3	148.8	4.1		
JC19-21	127	94	0.77	27.18	1.6	.0533	5.1	231.8	4.1	232.2	3.8		
JC19-22	121	29	0.24	41.31	1.8	.0571	6.3	155.4	2.9	152.7	2.8		

JC19-23	719	466	0.67	38.72	1.2	.0490	2.6	163.5	2.0	164.5	2.0		
JC19-24	148	41	0.28	41.40	1.6	.0543	5.6	152.9	2.5	152.9	2.5		
JC19-25	240	64	0.28	40.23	1.9	.0514	4.5	159.6	3.1	157.8	2.9		
JC19-26	114	38	0.34	41.10	1.8	.0578	6.1	152.6	2.8	153.3	2.8		
JC19-27	356	149	0.43	41.49	1.3	.0507	3.7	154.9	2.2	153.3	2.0		
JC19-28	103	31	0.31	40.41	1.8	.0533	6.5	157.4	3.4	156.8	2.9		
JC19-29	711	238	0.35	35.64	1.2	.0495	2.5	178.8	2.2	178.4	2.2		
JC19-30	74	39	0.55	3.27	1.5	.1016	1.6	1719.0	22.5	1726.9	25.9	1656.6	30.5
JC19-31	132	94	0.73	41.16	1.7	.0518	6.0	158.4	3.5	154.2	2.6		
JC19-32	91	26	0.29	40.64	1.9	.0540	7.4	159.0	3.3	155.8	3.0		
JC19-33	64	10	0.16	40.81	2.2	.0537	8.6	157.2	3.5	155.2	3.4		
JC19-34	177	36	0.21	41.86	1.5	.0539	5.0	152.6	2.3	151.3	2.4		
JC19-35	103	35	0.35	5.62	1.7	.0729	2.1	1057.0	16.3	1057.3	17.1	1051.8	53.6
JC19-36	915	151	0.17	9.69	1.1	.0595	1.0	632.9	6.7	634.2	6.9		
JC19-37	213	51	0.25	39.85	1.5	.0529	4.4	157.8	2.3	159.1	2.4		
JC19-38	314	117	0.38	35.99	1.3	.0516	3.7	175.5	2.4	176.3	2.4		
JC19-39	230	133	0.60	30.50	1.4	.0550	3.7	208.4	2.9	206.8	2.9		
JC19-40	130	37	0.29	5.79	1.4	.0726	1.9	1027.0	13.6	1028.5	14.4	993.4	40.5
JC19-41	238	61	0.26	37.18	1.4	.0525	4.2	169.0	2.6	170.5	2.4		
JC19-42	514	477	0.96	19.22	1.2	.0542	2.0	326.8	3.8	326.5	3.8		
JC19-43	770	533	0.72	41.63	1.2	.0508	2.4	152.9	1.8	152.7	1.8		
JC19-44	176	97	0.57	39.83	1.5	.0531	5.2	160.3	2.4	159.1	2.5		
JC19-45	315	97	0.32	39.61	1.4	.0530	3.9	160.7	2.3	160.0	2.3		
JC19-46	126	25	0.21	29.65	1.6	.0528	5.2	214.4	3.4	213.2	3.5		
JC19-47	142	94	0.68	14.37	1.4	.0585	3.2	431.2	5.9	432.0	6.0		
JC19-48	275	75	0.28	47.24	1.4	.0505	4.4	132.6	2.4	134.7	1.9		
JC19-49	308	101	0.34	40.30	1.4	.0515	3.9	156.3	2.3	157.6	2.2		
JC19-50	252	71	0.29	39.13	1.4	.0519	4.3	163.5	2.3	162.1	2.3		
JC19-51	329	198	0.62	13.15	1.2	.0580	2.7	471.0	5.6	471.6	5.7		
JC19-52	187	138	0.76	4.74	1.3	.0800	1.4	1233.8	14.3	1237.2	15.3	1178.7	29.0
JC19-53	161	37	0.24	40.82	1.6	.0527	5.2	155.2	2.8	155.3	2.5		
JC19-54	244	119	0.51	39.77	1.4	.0529	4.2	157.5	2.4	159.4	2.3		
JC19-55	116	20	0.18	25.65	1.6	.0546	4.8	245.1	3.9	245.5	3.9		
JC19-56	422	141	0.34	37.46	1.3	.0516	3.2	169.8	2.1	169.4	2.2		
JC19-57	313	71	0.23	5.30	1.2	.0719	1.2	1112.6	12.2	1119.8	13.0	968.6	31.4
JC19-58	135	68	0.52	39.46	1.7	.0500	6.0	165.0	3.6	161.2	2.7		
JC19-59	197	40	0.21	40.25	1.6	.0512	5.0	161.1	2.9	157.8	2.6		
JC19-60	377	105	0.29	41.93	1.3	.0499	3.6	151.6	2.0	151.8	2.0		
JC20-1	157	68	0.45	43.90	1.5	.0606	5.1	144.5	2.4	143.1	2.3		
JC20-2	510	318	0.64	40.53	0.7	.0515	2.9	156.4	1.2	156.7	1.2		
JC20-3	248	81	0.34	5.78	0.7	.0742	1.3	1029.0	6.9	1027.8	7.3	1054.3	26.3

JC20-4	109	52	0.49	44.76	1.6	.0623	6.0	139.9	3.9	140.1	2.3		
JC20-5	126	59	0.48	3.35	1.0	.1042	1.2	1683.2	14.9	1682.5	16.9	1688.9	23.8
JC20-6	734	374	0.53	40.05	0.7	.0527	2.6	158.9	1.1	158.3	1.1		
JC20-7	276	81	0.30	9.22	0.8	.0628	1.9	660.9	5.0	662.9	5.0		
JC20-8	287	162	0.58	40.57	1.0	.0559	3.8	154.9	2.0	155.7	1.6		
JC20-9	84	25	0.31	3.59	1.4	.0857	2.3	1563.4	20.1	1610.2	22.1	1024.3	130.2
JC20-10	394	32	0.08	12.51	0.7	.0570	1.8	494.4	3.4	495.7	3.4		
JC20-11	92	29	0.33	41.97	2.0	.0618	6.8	150.5	3.1	149.4	3.1		
JC20-12	180	95	0.54	42.87	1.3	.0554	4.9	145.9	2.1	147.5	2.0		
JC20-13	196	108	0.57	37.02	1.4	.0602	5.5	168.5	3.8	169.6	2.5		
JC20-14	122	127	1.07	3.85	1.1	.0958	1.5	1484.8	14.4	1483.7	15.7	1497.1	43.3
JC20-15	75	29	0.40	41.58	2.0	.0635	7.4	146.9	4.6	150.5	3.1		
JC20-16	66	23	0.36	40.71	2.4	.0728	10.3	152.3	3.7	151.9	3.9		
JC20-17	377	123	0.34	38.29	1.0	.0597	3.1	160.6	2.1	164.1	1.7		
JC20-18	624	219	0.36	4.53	0.6	.1483	0.7	1262.8	7.3	1183.4	15.6	2143.5	39.7
JC20-19	735	275	0.39	4.81	0.6	.1441	1.4	1200.5	6.5	1123.2	14.5	2128.7	40.5
JC20-20	199	46	0.24	5.32	1.0	.0756	1.7	1110.3	10.7	1111.9	11.3	1079.3	43.1
JC20-21	65	21	0.33	37.20	2.1	.0726	7.5	171.8	3.6	166.2	3.7	1103.0	156.6
JC20-22	54	23	0.44	40.75	2.3	.0640	8.0	151.2	5.3	153.5	3.6		
JC20-23	196	92	0.49	38.73	1.4	.0530	8.5	163.8	2.3	163.6	2.4		
JC20-24	65	25	0.40	5.96	1.7	.0754	2.8	1001.0	15.8	996.4	16.6	1102.9	55.3
JC20-25	74	72	1.01	2.21	1.3	.1822	1.2	2382.8	27.6	2309.5	39.4	2587.5	34.3
JC20-26	54	21	0.40	42.05	2.4	.0651	8.6	150.6	3.8	148.6	3.6		
JC20-27	83	33	0.41	44.73	1.8	.0637	6.6	137.9	2.8	140.0	2.7		
JC20-28	420	104	0.26	17.81	0.7	.0550	2.0	351.6	2.4	351.5	2.5		
JC20-29	218	110	0.52	43.57	1.3	.0534	4.6	146.7	2.1	145.5	2.0		
JC20-30	122	61	0.52	41.41	1.6	.0660	5.6	151.9	2.7	150.7	2.5		
JC20-31	31	28	0.94	4.43	2.4	.0827	4.5	1271.4	38.7	1316.4	31.7	396.2	794.1
JC20-32	199	76	0.40	43.73	1.1	.0555	4.5	142.5	2.2	144.6	1.7		
JC20-33	778	351	0.47	4.50	0.5	.1047	0.6	1280.9	6.0	1259.9	7.7	1561.1	30.5
JC20-34	468	203	0.45	5.85	0.6	.0738	1.0	1016.2	5.5	1017.1	5.7	995.8	30.3
JC20-35	649	130	0.21	16.40	0.6	.0553	1.7	381.3	2.1	381.1	2.1		
JC20-36	740	127	0.18	13.86	0.5	.0592	1.3	448.5	2.2	447.2	2.2		
JC20-37	106	73	0.71	7.97	1.3	.0658	2.6	758.2	9.9	760.6	10.0		
JC20-38	224	140	0.65	22.88	1.2	.0575	3.3	276.8	3.2	273.9	3.2		
JC20-39	26	8	0.30	7.09	2.3	.1181	4.0	768.8	28.0	798.1	19.7		
JC20-40	367	45	0.13	3.69	0.6	.1035	0.8	1541.5	8.1	1529.0	9.1	1662.4	18.6