

Appendix H: Univariate, ANOVA, and Tukey Tables of Complete Flake Weight (log natural) after 4% Trimming and Oriented Length after 4% Trimming

Univariate Statistics of Complete Flake Weight (grams) After Log Transform and 4% Trim																													
	0.45k	0.59k	0.86k	2.34k	2.40k	2.61k	4.65k	5.70k	7.14k	8.24k	12.52k	14.36k	15.75k	17.25k	17.67k	17.97k	19.37k	19.88k	20km(230)	20.80k	20.85k	20.94k	21.10k	24.15k	26.46k	32.33k	33.06k	33.50k	33.58k
	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
N	12	15	14	19	12	19	15	9	21	13	2	17	2	20	14	2	2	16	14	14	9	5	13	6	12	17	12	8	10
Min	-0.10	0.54	-1.40	-0.40	-0.30	-0.15	-0.15	-0.22	-0.10	-0.52	1.33	-1.00	0.45	-0.22	-0.10	0.15	0.45	-0.30	-0.70	-0.22	-0.05	0.11	-1.40	-0.52	-0.52	-1.00	-1.00	-0.70	-0.70
Max	1.87	2.07	0.52	1.37	1.36	1.34	1.45	1.36	2.23	0.96	1.47	1.30	1.05	1.61	1.12	0.95	0.87	1.35	0.95	1.82	0.84	0.90	0.20	0.34	1.73	1.55	0.73	0.95	0.77
Sum	10.79	17.76	-2.61	13.70	3.46	11.23	6.24	6.92	14.67	-0.66	2.80	2.15	1.50	12.10	7.21	1.10	1.32	6.21	3.23	6.24	2.86	2.19	-4.85	-0.26	3.41	4.10	1.99	-0.13	1.12
Mean	0.90	1.18	-0.19	0.72	0.29	0.59	0.42	0.77	0.70	-0.05	1.40	0.13	0.75	0.60	0.52	0.55	0.66	0.39	0.23	0.45	0.32	0.44	-0.37	-0.04	0.28	0.24	0.17	-0.02	0.11
Std. error	0.19	0.12	0.14	0.10	0.14	0.12	0.12	0.19	0.14	0.11	0.07	0.16	0.30	0.11	0.10	0.40	0.21	0.10	0.14	0.16	0.10	0.14	0.14	0.14	0.18	0.19	0.14	0.19	0.14
Variance	0.45	0.21	0.26	0.20	0.23	0.27	0.23	0.32	0.40	0.17	0.01	0.42	0.18	0.26	0.14	0.33	0.09	0.16	0.27	0.35	0.09	0.10	0.25	0.12	0.40	0.61	0.24	0.28	0.19
Stand. dev	0.67	0.46	0.51	0.45	0.48	0.52	0.48	0.57	0.63	0.41	0.10	0.65	0.43	0.51	0.38	0.57	0.30	0.39	0.52	0.59	0.30	0.32	0.50	0.34	0.63	0.78	0.49	0.53	0.44
Median	0.97	1.21	-0.22	0.87	0.26	0.58	0.34	0.77	0.51	-0.22	1.40	0.26	0.75	0.65	0.56	0.55	0.66	0.48	0.24	0.41	0.30	0.41	-0.22	-0.05	0.26	0.20	0.31	0.03	0.13
25 prcntil	0.30	0.70	-0.52	0.45	-0.17	0.08	-0.05	0.33	0.20	-0.30	1.00	-0.35	0.34	0.22	0.18	0.11	0.34	0.04	-0.17	-0.15	0.06	0.15	-0.70	-0.36	-0.22	-0.35	0.02	-0.49	-0.22
75 prcntil	1.46	1.52	0.26	1.00	0.60	1.20	0.73	1.31	1.19	0.23	1.10	0.50	0.66	1.02	0.79	0.72	0.65	0.55	0.77	0.83	0.56	0.74	0.08	0.33	0.47	0.76	0.48	0.30	0.44
Skewness	-0.23	0.05	-0.76	-0.86	0.85	0.10	0.65	-0.57	0.77	1.39	0.00	-0.14	0.00	-0.05	-0.13	0.00	0.00	0.32	-0.24	0.85	0.64	0.66	-0.64	-0.17	1.09	0.33	-1.52	0.57	-0.33
Kurtosis	-1.26	-0.87	1.06	0.64	0.77	-1.67	-0.08	-0.85	0.02	1.75	-2.75	-0.45	-2.75	-0.55	-0.92	-2.75	-2.75	1.56	-0.80	0.63	-0.36	-0.52	-0.50	-1.25	1.52	-0.74	2.17	0.22	-0.11
Geom. mean	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.68	0.00	0.00	0.37	0.62	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coeff. var	74.75	39.12	0.00	62.06	167.64	88.42	115.10	73.76	90.86	0.00	7.01	514.91	56.90	83.69	73.90	103.86	45.34	101.76	225.15	132.33	93.45	73.21	0.00	0.00	221.98	324.62	294.14	0.00	389.66

One-way ANOVA of Complete Flake Weight (grams[log]) Trimmed 4%					
	Sum of sqrs	df	Mean square	F	p(same)
Between groups:	43.1705	28	1.5418	5.511	3.49E-15
Within groups:	88.1318	315	0.279783		
Total:	131.302	343			
omega^2:	0.2686				
Levene's test for homogeneity of variance, based on means: p(same) =	0.09388				
Based on medians: p(same) =	0.2026				
Welch F test in the case of unequal variances:	F=9.326, df=47.36, p=2.102E-11				

Tukey's pairwise comparisons of Complete Flake Weight (grams[log]) Trimmed 4%: Q below diagonal, p(same) above diagonal

	0.45k	0.59k	0.86k	2.34k	2.40k	2.61k	4.65k	5.70k	7.14k	8.24k	12.52k	14.36k	15.75k	17.25k	17.67k	17.97k	19.37k	19.88k	20km(230)	20.80k	20.85k	20.94k	21.10k	24.15k	26.46k	32.33k	33.06k	33.50k	33.58k
	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m)	m	m	m	m	m	m	m	m	m
0.45km		1.00	0.03	1.00	0.94	1.00	1.00	1.00	1.00	0.15	1.00	0.57	1.00	1.00	1.00	1.00	1.00	0.99	0.84	1.00	0.96	1.00	0.00	0.16	0.93	0.87	0.69	0.21	0.53
0.59km	1.43		0.00	1.00	0.25	0.95	0.59	1.00	1.00	0.00	1.00	0.05	1.00	0.97	0.84	0.91	0.99	0.50	0.15	0.67	0.31	0.65	0.00	0.00	0.24	0.16	0.07	0.01	0.04
0.86km	5.46	6.89		0.22	1.00	0.56	0.94	0.14	0.27	1.00	0.00	1.00	0.17	0.52	0.77	0.68	0.37	0.97	1.00	0.91	0.99	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2.34km	0.90	2.33	4.56		1.00	1.00	1.00	1.00	1.00	0.58	0.83	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.03	0.60	1.00	1.00	0.98	0.68	0.94
2.40km	3.07	4.50	2.38	2.18		1.00	1.00	1.00	1.00	1.00	0.02	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.86	1.00	1.00	1.00	1.00	1.00	1.00
2.61km	1.55	2.98	3.91	0.65	1.52		1.00	1.00	1.00	0.89	0.47	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.13	0.91	1.00	1.00	1.00	0.94	1.00
4.65km	2.43	3.86	3.03	1.53	0.64	0.88		1.00	1.00	1.00	0.11	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.52	1.00	1.00	1.00	1.00	1.00	1.00
5.70km	0.65	2.09	4.80	0.24	2.42	0.89	1.77		1.00	0.44	0.91	0.89	1.00	1.00	1.00	1.00	1.00	1.00	0.99	1.00	1.00	1.00	0.02	0.46	1.00	0.99	0.94	0.54	0.87
7.14km	1.01	2.44	4.45	0.11	2.06	0.54	1.42	0.35		0.64	0.78	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.04	0.66	1.00	1.00	0.99	0.74	0.96
8.24km	4.78	6.21	0.68	3.88	1.70	3.23	2.35	4.12	3.77		0.00	1.00	0.50	0.87	0.97	0.95	0.75	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
12.52km	2.50	1.07	7.96	3.40	5.58	4.05	4.93	3.16	3.51	7.28		0.00	0.88	0.51	0.28	0.36	0.67	0.08	0.01	0.15	0.03	0.14	0.00	0.00	0.02	0.01	0.00	0.00	0.00
14.36km	3.88	5.32	1.57	2.99	0.81	2.34	1.46	3.23	2.88	0.89	6.39		0.92	1.00	1.00	1.00	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
15.75km	0.76	2.19	4.70	0.14	2.31	0.79	1.67	0.11	0.25	4.02	3.26	3.12		1.00	1.00	1.00	1.00	1.00	0.99	1.00	1.00	1.00	0.02	0.52	1.00	0.99	0.96	0.60	0.90
17.25km	1.48	2.91	3.98	0.58	1.59	0.07	0.95	0.83	0.47	3.30	3.98	2.40	0.72		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.11	0.88	1.00	1.00	1.00	0.92	1.00
17.67km	1.93	3.36	3.53	1.03	1.14	0.38	0.50	1.28	0.92	2.84	4.44	1.95	1.17	0.45		1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.26	0.98	1.00	1.00	1.00	0.99	1.00
17.97km	1.76	3.19	3.70	0.86	1.32	0.21	0.67	1.10	0.75	3.02	4.26	2.13	1.00	0.28	0.18		1.00	1.00	1.00	1.00	1.00	1.00	0.19	0.95	1.00	1.00	1.00	0.97	1.00
19.37km	1.21	2.64	4.24	0.31	1.86	0.34	1.22	0.56	0.20	3.56	3.72	2.67	0.45	0.27	0.72	0.54		1.00	1.00	1.00	1.00	1.00	0.06	0.77	1.00	1.00	1.00	0.83	0.98
19.88km	2.57	4.00	2.89	1.67	0.50	1.02	0.14	1.92	1.56	2.20	5.08	1.31	1.81	1.09	0.64	0.82	1.36		1.00	1.00	1.00	1.00	0.61	1.00	1.00	1.00	1.00	1.00	1.00
20km(230)	3.36	4.79	2.10	2.46	0.29	1.81	0.93	2.71	2.35	1.41	5.87	0.52	2.60	1.88	1.43	1.61	2.15	0.79		1.00	1.00	1.00	0.94	1.00	1.00	1.00	1.00	1.00	1.00
20.80km	2.28	3.71	3.18	1.38	0.79	0.73	0.15	1.63	1.27	2.50	4.79	1.60	1.52	0.80	0.35	0.53	1.07	0.29	1.08		1.00	1.00	0.44	1.00	1.00	1.00	1.00	1.00	1.00
20.85km	2.92	4.35	2.53	2.03	0.15	1.37	0.49	2.27	1.91	1.85	5.43	0.96	2.16	1.44	0.99	1.17	1.71	0.35	0.44	0.64		1.00	0.80	1.00	1.00	1.00	1.00	1.00	1.00
20.94km	2.32	3.75	3.14	1.42	0.75	0.77	0.11	1.67	1.31	2.45	4.83	1.56	1.56	0.84	0.39	0.57	1.11	0.25	1.04	0.04	0.60		0.46	1.00	1.00	1.00	1.00	1.00	1.00
21.10km	6.40	7.83	0.94	5.50	3.32	4.85	3.97	5.74	5.39	1.62	8.90	2.51	5.64	4.92	4.46	4.64	5.18	3.82	3.03	4.11	3.47	4.07		1.00	0.87	0.93	0.99	1.00	1.00
24.15km	4.74	6.17	0.72	3.84	1.66	3.19	2.31	4.08	3.73	0.04	7.24	0.85	3.98	3.26	2.80	2.98	3.52	2.16	1.37	2.46	1.81	2.41	1.66		1.00	1.00	1.00	1.00	1.00
26.46km	3.09	4.52	2.37	2.19	0.02	1.54	0.66	2.44	2.08	1.68	5.60	0.79	2.33	1.61	1.16	1.34	1.88	0.52	0.27	0.81	0.17	0.77	3.30	1.64		1.00	1.00	1.00	1.00
32.33km	3.31	4.74	2.15	2.41	0.23	1.76	0.88	2.65	2.30	1.47	5.81	0.58	2.55	1.83	1.38	1.55	2.10	0.74	0.05	1.03	0.38	0.99	3.09	1.43	0.22		1.00	1.00	1.00
33.06km	3.69	5.12	1.77	2.79	0.62	2.14	1.26	3.03	2.68	1.09	6.19	0.20	2.93	2.21	1.76	1.93	2.48	1.12	0.33	1.41	0.77	1.37	2.71	1.05	0.60	0.38		1.00	1.00
33.50km	4.60	6.03	0.86	3.70	1.53	3.05	2.17	3.95	3.59	0.18	7.10	0.72	3.84	3.12	2.67	2.85	3.39	2.03	1.24	2.32	1.68	2.28	1.80	0.14	1.51	1.29	0.91		1.00
33.58km	3.96	5.39	1.50	3.06	0.89	2.41	1.53	3.30	2.95	0.82	6.46	0.07	3.20	2.48	2.03	2.20	2.75	1.39	0.60	1.68	1.04	1.64	2.44	0.78	0.87	0.65	0.27	0.64	

Univariate Statistics: Complete Flake Length (mm) After 4% Trimmed																													
	0.45k m	0.59k m	0.86k m	2.34k m	2.40k m	2.61k m	4.65k m	5.70k m	7.14k m	8.24k m	12.52k m	14.36k m	15.75k m	17.25k m	17.67k m	17.97k m	19.37k m	19.88k m	20km(23 0)	20.80k m	20.85k m	20.94k m	21.10k m	24.15k m	26.46k m	32.33k m	33.06k m	33.50k m	33.58k m
N	12	15	14	19	12	19	15	9	21	13	2	17	2	20	14	2	2	16	14	13	9	5	12	6	12	17	11	8	10
Min	9.4	16.7	7.9	11.7	7.8	11.3	10.4	8.6	9.6	11.2	37.2	7.9	21.8	13.8	15.0	22.4	14.2	10.5	11.9	10.4	15.1	13.0	5.8	8.5	10.5	9.6	9.6	9.7	10.1
Max	80.9	72.5	27.9	46.2	26.7	51.3	40.3	45.6	69.8	30.8	43.8	40.1	40.5	42.3	39.8	32.1	23.5	35.8	37.3	36.5	27.6	35.2	16.0	18.4	38.1	53.1	35.8	27.7	37.1
Sum	410.0	713.6	220.3	554.3	222.6	520.3	341.5	228.3	553.1	217.2	81.0	332.0	62.3	479.0	349.2	54.5	37.7	322.0	276.7	266.0	192.2	113.8	120.1	77.5	244.2	356.7	254.8	140.5	193.1
Mean	34.2	47.6	15.7	29.2	18.6	27.4	22.8	25.4	26.3	16.7	40.5	19.5	31.2	24.0	24.9	27.3	18.9	20.1	19.8	20.5	21.4	22.8	10.0	12.9	20.4	21.0	23.2	17.6	19.3
Std. error	6.7	4.8	1.5	2.4	1.8	3.0	2.2	4.1	3.4	1.6	3.3	2.3	9.4	1.6	2.2	4.9	4.7	2.0	2.4	2.8	1.4	4.6	0.9	1.5	2.9	2.8	2.8	2.3	2.6
Variance	538.7	342.4	31.3	108.3	38.7	169.2	71.9	153.7	249.6	32.7	21.8	91.9	174.8	51.1	65.7	47.0	43.2	61.7	80.6	101.6	16.5	107.0	9.8	13.7	100.2	133.9	83.9	40.6	67.7
Stand. dev	23.2	18.5	5.6	10.4	6.2	13.0	8.5	12.4	15.8	5.7	4.7	9.6	13.2	7.1	8.1	6.9	6.6	7.9	9.0	10.1	4.1	10.3	3.1	3.7	10.0	11.6	9.2	6.4	8.2
Median	26.8	49.8	14.5	29.3	18.1	26.0	19.9	23.3	23.0	15.0	40.5	17.1	31.2	23.6	23.4	27.3	18.9	18.8	15.0	15.7	22.0	17.7	10.1	11.8	16.6	19.8	22.7	16.0	17.8
25 prcntil	19.8	29.9	11.5	20.9	14.4	14.9	16.9	14.7	13.9	13.0	27.9	11.4	16.4	17.7	18.0	16.8	10.7	12.5	13.2	12.6	18.0	14.2	7.5	10.2	12.5	12.7	15.6	13.0	12.4
75 prcntil	44.8	64.0	19.2	39.4	24.4	39.6	27.1	37.2	38.7	18.3	32.9	26.7	32.8	28.9	31.9	24.1	17.6	25.0	29.2	31.8	24.8	33.9	12.4	16.8	30.9	25.7	31.7	24.3	23.9
Skewness	1.3	-0.2	0.9	-0.1	-0.4	0.4	1.0	0.4	1.2	1.7	0.0	0.8	0.0	0.7	0.6	0.0	0.0	0.6	1.0	0.8	-0.1	0.5	0.3	0.6	0.9	1.6	0.0	0.7	1.1
Kurtosis	0.7	-1.2	0.5	-0.9	-0.8	-1.3	0.5	-1.0	1.3	2.5	-2.8	-0.3	-2.8	0.7	-0.9	-2.8	-2.8	-0.7	-0.7	-1.1	-0.8	-3.0	-0.6	-0.9	-0.9	2.7	-1.5	-0.7	1.3
Geom. mean	28.0	43.6	14.9	27.2	17.4	24.4	21.4	22.5	22.5	16.0	40.4	17.4	29.7	23.0	23.8	26.8	18.3	18.7	18.1	18.4	21.0	21.0	9.6	12.5	18.4	18.6	21.4	16.6	17.9
Coeff. var	67.9	38.9	35.5	35.7	33.5	47.5	37.2	48.9	60.0	34.3	11.5	49.1	42.4	29.8	32.5	25.2	34.9	39.0	45.4	49.3	19.0	45.5	31.3	28.6	49.2	55.1	39.5	36.3	42.6

One-way ANOVA of Complete Flake Oriented Length Trimmed 4%					
	Sum of sqrs	df	Mean square	F	p(same)
Between groups:	18035.9	28	644.141	5.483	4.66E-15
Within groups:	36655.1	312	117.484		
Total:	54691.1	340			
omega^2:	0.2691				
Levene's test for homogeneity of variance, based on means: p(same) =	1.82E-10				
Based on medians: p(same) =	1.29E-05				
Welch F test in the case of unequal variances:	F=6.931, df=45.71, p=5.621E-09				

Tukey's pairwise comparisons: Q below diagonal, p(same) above diagonal

Complete Flake Oriented Length (mm) After 4% Trim

	0.45k m	0.59k m	0.86k m	2.34k m	2.40k m	2.61k m	4.65k m	5.70k m	7.14k m	8.24k m	12.52k m	14.36k m	15.75k m	17.25k m	17.67k m	17.97k m	19.37k m	19.88k m	20km(230)	20.80k m	20.85k m	20.94k m	21.10k m	24.15k m	26.46k m	32.33k m	33.06k m	33.50k m	33.58k m
0.45km		0.88	0.24	1.00	0.61	1.00	0.98	1.00	1.00	0.35	1.00	0.74	1.00	1.00	1.00	1.00	0.65	0.81	0.77	0.85	0.92	0.98	0.01	0.06	0.84	0.89	0.99	0.47	0.71
0.59km	3.28		0.00	0.25	0.00	0.11	0.01	0.03	0.06	0.00	1.00	0.00	0.49	0.01	0.03	0.10	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00
0.86km	4.51	7.79		0.87	1.00	0.97	1.00	1.00	0.99	1.00	0.01	1.00	0.64	1.00	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2.34km	1.22	4.50	3.29		0.99	1.00	1.00	1.00	1.00	0.94	0.98	1.00	1.00	1.00	1.00	1.00	0.99	1.00	1.00	1.00	1.00	1.00	0.18	0.52	1.00	1.00	1.00	0.97	1.00
2.40km	3.82	7.10	0.69	2.60		1.00	1.00	1.00	1.00	1.00	0.04	1.00	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2.61km	1.66	4.94	2.85	0.44	2.16		1.00	1.00	1.00	0.99	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.36	0.76	1.00	1.00	1.00	1.00	1.00
4.65km	2.79	6.07	1.72	1.57	1.03	1.13		1.00	1.00	1.00	0.32	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.92	1.00	1.00	1.00	1.00	1.00	1.00
5.70km	2.15	5.43	2.36	0.93	1.67	0.49	0.64		1.00	1.00	0.68	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.65	0.94	1.00	1.00	1.00	1.00	1.00
7.14km	1.92	5.20	2.59	0.69	1.91	0.26	0.87	0.24		1.00	0.80	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.51	0.87	1.00	1.00	1.00	1.00	1.00
8.24km	4.27	7.55	0.24	3.05	0.45	2.61	1.48	2.12	2.36		0.01	1.00	0.77	1.00	1.00	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
12.52km	1.55	1.73	6.06	2.77	5.37	3.21	4.34	3.70	3.47	5.82		0.07	1.00	0.48	0.62	0.89	0.05	0.10	0.08	0.12	0.18	0.32	0.00	0.00	0.11	0.15	0.37	0.02	0.06
14.36km	3.58	6.86	0.93	2.36	0.24	1.92	0.79	1.43	1.67	0.69	5.13		0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
15.75km	0.74	4.02	3.77	0.48	3.08	0.92	2.05	1.42	1.18	3.53	2.29	2.84		1.00	1.00	1.00	0.95	0.99	0.98	0.99	1.00	1.00	0.06	0.26	0.99	1.00	1.00	0.86	0.97
17.25km	2.50	5.78	2.01	1.28	1.32	0.84	0.29	0.35	0.58	1.77	4.05	1.08	1.76		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.82	0.99	1.00	1.00	1.00	1.00	1.00
17.67km	2.26	5.54	2.25	1.04	1.56	0.60	0.53	0.10	0.34	2.02	3.81	1.33	1.52	0.24		1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.70	0.96	1.00	1.00	1.00	1.00	1.00
17.97km	1.69	4.97	2.82	0.47	2.13	0.03	1.10	0.46	0.22	2.58	3.24	1.89	0.95	0.81	0.56		1.00	1.00	1.00	1.00	1.00	1.00	0.38	0.78	1.00	1.00	1.00	1.00	1.00
19.37km	3.75	7.03	0.76	2.53	0.07	2.09	0.96	1.60	1.83	0.52	5.30	0.17	3.01	1.25	1.49	2.06		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
19.88km	3.44	6.72	1.07	2.21	0.39	1.78	0.65	1.28	1.52	0.84	4.99	0.15	2.70	0.94	1.18	1.74	0.31		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
20km(230)	3.52	6.81	0.99	2.30	0.30	1.87	0.73	1.37	1.61	0.75	5.07	0.06	2.79	1.02	1.27	1.83	0.22	0.09		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
20.80km	3.35	6.63	1.16	2.13	0.47	1.69	0.56	1.20	1.44	0.92	4.90	0.23	2.62	0.85	1.10	1.66	0.39	0.08	0.17		1.00	1.00	0.99	1.00	1.00	1.00	1.00	1.00	1.00
20.85km	3.14	6.42	1.38	1.91	0.69	1.48	0.35	0.98	1.22	1.14	4.69	0.45	2.40	0.63	0.88	1.44	0.61	0.30	0.39	0.22		1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00
20.94km	2.79	6.07	1.72	1.57	1.03	1.13	0.00	0.64	0.88	1.48	4.34	0.79	2.05	0.29	0.53	1.10	0.96	0.64	0.73	0.56	0.34		0.92	1.00	1.00	1.00	1.00	1.00	1.00
21.10km	5.91	9.19	1.40	4.69	2.09	4.25	3.12	3.76	4.00	1.64	7.46	2.33	5.17	3.41	3.65	4.22	2.16	2.48	2.39	2.56	2.78	3.12		1.00	0.99	0.99	0.90	1.00	1.00
24.15km	5.20	8.48	0.69	3.98	1.38	3.54	2.41	3.05	3.28	0.93	6.75	1.62	4.46	2.70	2.94	3.51	1.45	1.76	1.68	1.85	2.07	2.41	0.71		1.00	1.00	1.00	1.00	1.00
26.46km	3.38	6.66	1.13	2.16	0.44	1.72	0.59	1.23	1.47	0.89	4.93	0.20	2.64	0.88	1.12	1.69	0.37	0.06	0.14	0.03	0.25	0.59	2.53	1.82		1.00	1.00	1.00	1.00
32.33km	3.23	6.51	1.28	2.00	0.60	1.57	0.44	1.07	1.31	1.05	4.78	0.36	2.49	0.73	0.97	1.53	0.52	0.21	0.30	0.13	0.09	0.44	2.69	1.97	0.15		1.00	1.00	1.00
33.06km	2.69	5.97	1.82	1.47	1.13	1.03	0.10	0.54	0.78	1.58	4.24	0.89	1.95	0.19	0.44	1.00	1.06	0.74	0.83	0.66	0.44	0.10	3.22	2.51	0.69	0.53		1.00	1.00
33.50km	4.06	7.34	0.45	2.84	0.24	2.40	1.27	1.91	2.15	0.21	5.61	0.48	3.33	1.56	1.81	2.37	0.32	0.63	0.54	0.71	0.93	1.27	1.85	1.14	0.68	0.84	1.37		1.00
33.58km	3.64	6.92	0.87	2.41	0.19	1.98	0.85	1.48	1.72	0.64	5.19	0.05	2.90	1.14	1.38	1.94	0.11	0.20	0.11	0.28	0.50	0.84	2.28	1.56	0.25	0.41	0.94	0.43	