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Assessing Maximum Sprinting Speed in Female Team Sport: The Role of Sprint Distance and Timing Gate Configuration

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Complete List of Authors:	McGuinness, Eddie; Dublin City University, Ardú: The Health, Wellbeing and Performance Research Hub, School of Health and Human Performance; Technological University of the Shannon Midlands Midwest - Athlone Campus, SHE Research Centre, Department of Sport and Health Sciences Beattie, Kris; Technological University of the Shannon Midlands Midwest - Athlone Campus, SHE Research Centre, Department of Sport and Health Sciences Lyons, Mark; University of Limerick, Sport and Human Performance Research Centre, Department of Physical Education and Sports Sciences Lane, Aoife; Technological University of the Shannon Midlands Midwest - Athlone Campus, SHE Research Centre, Department of Sport and Health Sciences Higginbotham, Clement; Technological University of the Shannon Midlands Midwest - Athlone Campus, Department of Polymer, Mechanical and Design Healy, Robin; Technological University of the Shannon Midlands Midwest - Athlone Campus, SHE Research Centre, Department of Sport and Health Sciences
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1 **1. Article title:** Assessing Maximum Sprinting Speed in Female Team Sport: The Role of
2 Sprint Distance and Timing Gate Configuration
3 **2. Submission type:** Brief report

Abstract

Purpose: This study aimed to (i) determine if differences exist in female team sport maximum sprinting speed (MSS) using sprint distances of 30 and 40 m and split times over 5 and 10 m intervals, (ii) determine the inter-trial reliability of MSS using each measurement method, and (iii) examine the association between sprint acceleration distance and MSS.

Methods: Elite and sub-elite female Gaelic football players (n=62) performed 40 m sprints with dual-beam timing gates placed every 5 m. Four measurement methods were used to determine MSS: 5 m split times over a 40 m sprint distance; 5 m splits over 30 m; 10 m split times over 40 m; and 10 m splits over 30 m.

Results: A repeated-measures ANOVA revealed significant differences ($p < 0.001$) in MSS derived from the different estimation methods with a η^2_p of 0.494 (large effect). MSS was significantly different between all methods (mean differences: 0.02 to 0.08 $m \cdot s^{-1}$; Cohen's d_z; 0.49-1.25). The greatest mean MSS was achieved using 5 m splits over 40 m. All MSS measurement methods had high relative and absolute reliability (ICCs: 0.97-0.98; CVs: 1.0-1.2%; SEMs: 0.07-0.08 $m \cdot s^{-1}$). There was a significant moderate positive correlation ($\rho = 0.41$) between MSS and acceleration distance.

Conclusion: The highest estimate of MSS was found using 5 m splits over 40 m. All measurement methods displayed high reliability; we recommend the use of 5 m splits over ~30 m when assessing MSS in female team sport athletes with timing gates.

Introduction

Maximum sprinting speed (MSS) is crucial in field-based team sports as it enables players to perform key movement tasks in game scenarios.[1,2] An athlete's true maximum speed can be determined by measuring instantaneous speed throughout a sprint and identifying the highest value recorded. Radar technology, considered the gold-standard for measuring MSS, require signal filtering to reduce noise, which may limit their practicality for practitioners desiring immediate results.[4,5] Timing gates, widely used in team sports for their affordability and practicality, measure split times to estimate speed. By placing multiple gates at appropriate distances, the fastest split time is used to determine an athlete's MSS.[2,5]

Athletes with higher MSS typically accelerate over longer distances,[4] and MSS has been typically estimated using timing gates over sprint distances of 30–40 m with 10–15 m splits.[3,6,7] A sufficient sprint distance is essential for accurately capturing MSS, and shorter split intervals tend to provide closer estimates of MSS.[2,5,7] However, this requires multiple timing gates, which may present a practical issue in team sports due to the limited number of gates available or constraints on sprint test length. Investigating the combined effects of sprint distance and split intervals is essential for enabling accurate MSS measurements and comparisons across studies in team sports.

This study aimed to: (i) determine differences in estimated MSS using 30 m and 40 m sprint distances and 5 m and 10 m split intervals in female team-sport athletes hypothesising that longer distances and shorter intervals would yield higher MSS; (ii) assess the inter-trial reliability of MSS using each method, with high reliability expected; (iii) assess the relationship between MSS and the split at which it is achieved, hypothesising that MSS will be positively correlated with the split.

Methods

Subjects

Sixty-two (n=62) female Gaelic football players participated (age: 25.6 ± 7.1 years; stature: 1.67 ± 0.06 m; body mass: 67.0 ± 7.8 kg). The cohort included elite (n=20) and sub-elite players (n=42). Participants were free from injury at the time of testing. Ethical approval was obtained from the Institution's Research Ethics Committee.

Procedures

Participants performed two maximal effort sprints over 40 m. Nine dual-beam timing gates (Witty, Microgate) spaced at 5 m intervals identified the split where MSS was first achieved. Participants started each sprint 0.5 m behind the initial timing gate and assumed a two-point

staggered stance.[8] For each trial, four MSS estimates were calculated by varying sprint distance (30 m or 40 m) and split intervals (5 m or 10 m): 1) 5 m splits over 40 m; 2) 5 m splits over 30 m; 3) 10 m splits over 40 m; and 4) 10 m splits over 30 m.

Statistical Analysis

All statistical analyses were performed using Microsoft Excel and R Studio. Raw data and statistical analyses are available in the supplementary files. Data normality was assessed using Shapiro-Wilk tests. MSS and 5 m split speeds are presented as mean ± SD. Inter-trial reliability of estimated MSS was determined using the CV%, the two-way random model intraclass correlation coefficient (ICC) with 95% CI, standard error of measurement (SEM), and minimal detectable change (MDC).[9] Agreement between trials was determined using Bland-Altman analysis with the mean bias and the 95% limits of agreement (LOA) calculated.

A repeated-measures ANOVA tested for significant differences in MSS estimates across methods, with the fastest of two trials used. Effect sizes were interpreted as trivial, small, medium, or large using partial eta-squared (η^2p: <0.01, 0.01–0.06, 0.06–0.14, >0.14) for overall effects and Cohen's dz (dz: <0.2, 0.2–0.5, 0.5–0.8, ≥0.8) for within-group.[10] The percentage difference between MSS estimates was compared using a Friedman test, with post-hoc Wilcoxon signed ranks tests, Bonferroni correction, and Pearson's r value effect magnitudes. Spearman's rank correlation test was used to determine the association between each participant's highest MSS and the 5 m split MSS was achieved. Pearson's r and Spearman's rho (ρ) were interpreted as: trivial (< 0.1), weak (0.1-0.29), moderate (0.3-0.5), and large (≥ 0.5). The fastest MSS trial was used for the frequency and correlation analyses. All statistical analyses used an alpha level of 0.05.

Results

Descriptive statistics (mean ± SD), mean bias (95% LOA), ICCs, CV%, SEMs, and MDCs for estimated MSS across methods are presented in Table 1. All methods demonstrated high reliability, with mean bias (95% LOA), ICCs, and CV% values in the range 0.0-0.1% (-3.5 to 3.2%), 0.97-0.98, and 0.9-1.1%, respectively, across methods.

The repeated-measures ANOVA with Greenhouse-Geisser correction revealed significant differences in estimated MSS between methods ($F(1.93, 117.85) = 42.396$, $p < 0.001$) with a η^2_p of 0.41 (large effect). Post hoc analysis with Bonferroni adjustment showed significant differences in estimated MSS between all methods, with small to large effect sizes (Cohen's d_z; 0.44-1.21). The fastest assessed MSS over two trials was observed in the 40 m measurements with 5 m splits (7.26 ± 0.48 $m \cdot s^{-1}$; Table 2).

The Friedman test revealed significant differences between methods compared to the highest MSS (χ^2 (2) = 57.268, $p < 0.001$) (Table 2). The lowest percentage difference was found with 30 m and 5 m splits (median: 0.0%), significantly lower than the 40 m with 10 m splits (median: 0.7%, $p = 0.004$, $r = 0.47$) and 30 m with 10 m splits (median: 0.7%, $p < 0.001$, $r = 0.81$). A significant difference was found between 40 m with 10 m splits and 30 m with 10 m splits ($p = 0.001$, $r = 0.5$).

Results of the spearman's rank correlation test found a positive moderate relationship ($\rho = 0.41$, 95% CI: 0.18; 0.6, $p < 0.001$) between MSS and the 5 m split it was first achieved (Figure 1). **Error! Reference source not found.**The data showed that 46.8, 24.2, 17.7, and 4.8% of the players achieved their fastest MSS in the 20-25, 25-30 m, 30-35 m, and 35-40 m interval, respectively. Twenty-nine players (46.8%) achieved MSS in the same split across trials.

Table 1 Mean ± SD, mean bias ± SD (95% LOA), % mean bias ± SD (95% LOA), ICCs, and CV% for MSS estimation methods.

Maximum Sprinting Speed Measurement Method	Trial 1	Trial 2	Mean Bias (95% LOA)	% Mean Bias (95% LOA)	ICC [95% CI]	CV% [95% CI]	SEM ($m \cdot s^{-1}$)	MDC ($m \cdot s^{-1}$)
5 m splits over 40 m ($m \cdot s^{-1}$)	7.22 ± 0.48	7.22 ± 0.49	0.00 (-0.23, 0.23)	0.0 (-3.2, 3.2)	0.97 [0.95; 0.98]	1.0 [-0.8; 2.4]	0.08	0.22
5 m splits over 30 m ($m \cdot s^{-1}$)	7.18 ± 0.46	7.20 ± 0.47	-0.01 (-0.25, 0.23)	-0.1 (-3.5, 3.2)	0.97 [0.95; 0.98]	1.1 [-1.1; 2.5]	0.08	0.22
10 m splits over 40 m ($m \cdot s^{-1}$)	7.16 ± 0.47	7.16 ± 0.48	-0.01 (-0.21, 0.19)	-0.1 (-2.9. 2.7)	0.98 [0.96; 0.99]	0.9 [-0.6; 2.2]	0.07	0.19
10 m splits over 30 m ($m \cdot s^{-1}$)	7.14 ± 0.46	7.15 ± 0.47	0.00 (-0.21, 0.21)	0.0 (-2.9, 2.9)	0.97 [0.96; 0.98]	0.9 [-0.7; 2.2]	0.07	0.19

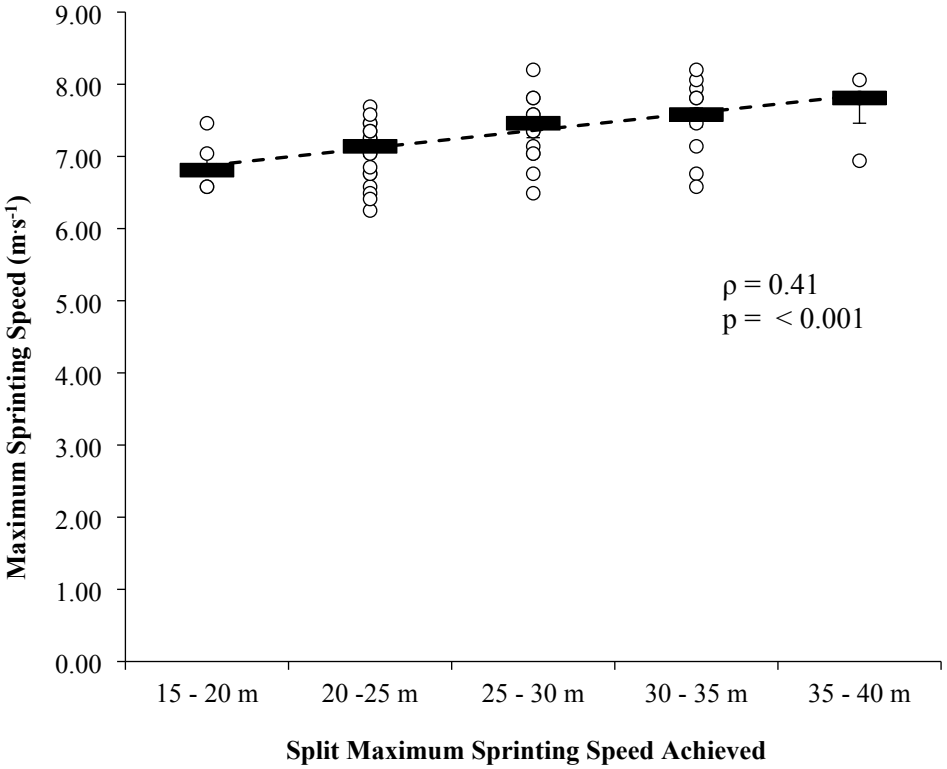
LOA Limits of Agreement, ***SEM*** Standard error of measurement, ***CI*** Confidence interval, ***CV*** Coefficient of variation, ***MDC*** Minimal detectable change

104 **Table 2** Maximum sprinting speed differences between measurement methods.

Measurement Method Comparison	Maximum Sprinting Speed ($m \cdot s^{-1}$)		Mean difference ($m \cdot s^{-1}$) [95% CI]	p-value	Cohen's d_z [95% CI]	ES Interpretation
	Mean ± SD	Mean ± SD				
5 m splits over 40 m vs 5 m splits over 30 m	7.26 ± 0.48	7.23 ± 0.46	0.03 [0.02; 0.04]	**0.001**	0.50 [0.25; 0.75]	Moderate
5 m splits over 40 m vs 10 m splits over 30 m	7.26 ± 0.48	7.18 ± 0.46	0.07 [0.05; 0.09]	**< 0.001**	1.22 [0.98; 1.47]	Large
5 m splits over 40 m vs 10 m splits over 40 m	7.26 ± 0.48	7.20 ± 0.48	0.06 [0.05; 0.07]	**< 0.001**	1.25 [1.00; 1.49]	Large
10 m splits over 40 m vs 10 m splits over 30 m	7.20 ± 0.48	7.18 ± 0.46	0.01 [0.00; 0.02]	**< 0.001**	0.53 [0.28; 0.78]	Moderate
5 m splits over 30 m vs 10 m splits over 30 m	7.23 ± 0.46	7.18 ± 0.46	0.04 [0.03; 0.05]	**< 0.001**	1.54 [1.29; 1.79]	Large
5 m splits over 30 m vs 10 m splits over 40 m	7.23 ± 0.46	7.20 ± 0.48	0.03 [0.02; 0.04]	**0.004**	0.58 [0.33; 0.83]	Moderate

ES Effect Size

106 **Figure 1** Players' maximum sprinting speed and the 5 m split interval it was achieved. The
107 increasing trend in the group medians are denoted by the dotted black line.



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Discussion

The primary finding of this study was that the fastest MSS occurs using a distance of 40 m in 5 m splits followed by 30 m in 5 m splits, 40 m in 10 m splits, and 30 m in 10 m splits. All methods were significantly different (Cohen's dz; 0.44-1.21), indicating that MSS estimates vary across distances and split intervals. Finally, a significant positive moderate correlation was found between MSS and the split it was achieved.

All measurement methods significantly underestimated MSS compared to using 5 m splits over 40 m (0.0-0.7%). The method using 5 m splits over 30 m underestimated MSS the least. The highest underestimation was 4.5 to 4.7% for all methods. These results align with Zabaloy et al.[7] who found a higher MSS with 5 m splits in comparison to 10 m splits, albeit over 30 m.

Regardless of the measurement method used, MSS demonstrates high reliability between trials (ICCs: 0.97–0.98, CV%: 0.9–1.1%, mean bias: 0.0–0.1%, 95% LOA: -3.5 to 3.2%), similar to Emmonds et al.[11] (ICC 0.90) in female soccer. Twenty-seven (43.5%) female Gaelic football players achieved identical MSS across trials, though twelve (44%) did so at different 5 m splits. Haugen et al.[8] presented similar findings in female handball with MSS typically reached between 25-30 m. Given the small differences between MSS splits, when testing time is limited, a single trial may suffice for most players capturing MSS in female team sports.

This study found a significant moderate positive correlation ($\rho = 0.41$) between MSS and the 5 m split it was achieved. Thus, players with higher MSS required longer distances to reach their MSS. This aligns with research in elite male and female sprinters, highlighting the importance of selecting appropriate sprint distances for testing and training.[12] Based on the results, most female team sport athletes do not appear to possess sufficient MSS to accelerate beyond 40 m.

A limitation of this study is that MSS was estimated using timing gates rather than directly measuring instantaneous velocity with a radar gun (i.e., gold-standard measure). However, timing gates are practical for field-based assessments and widely used, making these findings relevant for practitioners. Higher MSS values have been reported in elite female team sport athletes, which may limit the applicability of our findings to higher-calibre athletes.[6]

Practical Applications

Given that 77.4% of players reached MSS within 30 m and those requiring ≥30 m were only 2% faster, comparison of MSS between studies using different distances and/or split intervals

may be inconsistent and should be approached with caution. Accordingly, we recommend the use of 5 m splits over ~30 m when assessing MSS in female team sport athletes with timing gates. MSS shows high reliability between trials over 30 and 40 m sprints using 5 and 10 m splits, suggesting a single trial may suffice when time is limited.

Conclusions

This study demonstrates that MSS in female team sport is highly reliable regardless of the measurement method used. While 40 m with 5 m splits produced the highest MSS estimates, a 30 m sprint distance captured MSS for the majority of players, making it practical for field-based assessments. Compared to 40 m with 5 m splits, all methods underestimated MSS, highlighting the need for consistency when comparing results across studies. Future research should explore inter-day reliability and validate timing-gate-derived MSS against gold-standard measurement tools.

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T1_5	T1_10	T1_15	T1_20	T1_25	T1_30	T1_35	T1_40	T2_5
1.37	2.25	3.04	3.77	4.49	5.22	5.92	6.65	1.29
1.21	2.06	2.82	3.56	4.28	4.99	5.72	6.45	1.13
1.18	1.98	2.66	3.32	3.97	4.62	5.25	5.89	1.21
1.15	1.96	2.71	3.43	4.13	4.82	5.55	6.27	1.13
1.21	2.05	2.79	3.5	4.19	4.87	5.56	6.25	1.23
1.29	2.16	2.95	3.73	4.47	5.23	5.99	6.76	1.26
1.14	1.94	2.67	3.38	4.07	4.77	5.45	6.15	1.14
1.06	1.86	2.57	3.26	3.93	4.61	5.3	6.02	1.11
1.16	1.99	2.72	3.45	4.14	4.86	5.56	6.28	1.16
1.27	2.09	2.82	3.52	4.2	4.88	5.55	6.23	1.27
1.15	1.96	2.68	3.39	4.09	4.79	5.5	6.22	1.16
1.22	2.12	2.92	3.71	4.48	5.25	6.04	6.85	1.25
1.24	2.13	2.92	3.7	4.46	5.24	6.05	6.88	1.26
1.14	1.99	2.76	3.5	4.23	4.96	5.69	6.41	1.14
1.2	2.03	2.77	3.49	4.2	4.9	5.63	6.38	1.19
1.17	2.01	2.74	3.47	4.17	4.87	5.59	6.32	1.19
1.19	2.02	2.81	3.55	4.3	5.04	5.79	6.59	1.22
1.17	1.98	2.73	3.44	4.15	4.87	5.6	6.33	1.18
1.42	2.29	3.09	3.86	4.61	5.36	6.11	6.87	1.27
1.28	2.18	3.01	3.8	4.57	5.36	6.14	6.93	1.29
1.25	2.14	2.95	3.71	4.48	5.25	6.03	6.86	1.25
1.33	2.23	3.06	3.83	4.6	5.37	6.13	6.9	1.32
1.28	2.2	3.05	3.87	4.67	5.48	6.3	7.15	1.21
1.12	1.95	2.7	3.42	4.12	4.83	5.53	6.27	1.11
1.21	2.08	2.88	3.64	4.4	5.17	5.93	6.75	1.2
1.14	1.96	2.68	3.38	4.06	4.74	5.42	6.11	1.16
1.13	1.98	2.76	3.49	4.21	4.92	5.63	6.34	1.2
1.32	2.24	3.08	3.87	4.67	5.47	6.27	7.1	1.26
1.31	2.22	3.06	3.86	4.64	5.44	6.26	7.15	1.34
1.26	2.16	2.99	3.78	4.56	5.34	6.12	6.91	1.2
1.17	1.98	2.7	3.4	4.07	4.74	5.4	6.07	1.14
1.15	1.91	2.59	3.25	3.88	4.51	5.13	5.76	1.03
1.17	1.97	2.69	3.38	4.05	4.72	5.4	6.07	1.16
1.1	1.89	2.65	3.35	4.03	4.7	5.37	6.06	1.08
1.16	1.96	2.72	3.43	4.14	4.86	5.58	6.31	1.17
1.11	1.94	2.69	3.4	4.09	4.79	5.48	6.18	1.1
1.14	1.98	2.74	3.47	4.19	4.91	5.64	6.36	1.15
1.11	1.94	2.7	3.43	4.15	4.88	5.6	6.34	1.12
1.15	1.93	2.67	3.37	4.08	4.78	5.44	6.2	1.11
1.14	1.95	2.67	3.36	4.01	4.68	5.32	5.97	1.12
1.11	1.92	2.66	3.39	4.1	4.82	5.54	6.24	1.12
1.12	1.9	2.63	3.31	3.98	4.66	5.34	6.01	1.12
1.14	1.9	2.59	3.23	3.86	4.49	5.12	5.75	1.15
1.16	1.88	2.57	3.21	3.84	4.48	5.1	5.74	1.17
1.13	1.96	2.68	3.39	4.08	4.77	5.46	6.17	1.17
1.19	2.02	2.76	3.48	4.16	4.85	5.52	6.21	1.19
1.1	1.88	2.58	3.24	3.89	4.54	5.19	5.86	1.09
1.14	1.92	2.61	3.28	3.95	4.63	5.33	6.07	1.16

1.08	1.85	2.56	3.22	3.87	4.53	5.18	5.85	1.03
1.07	1.83	2.53	3.19	3.85	4.5	5.15	5.81	1.07
1.16	1.97	2.7	3.4	4.07	4.73	5.4	6.06	1.11
1.08	1.88	2.57	3.25	3.9	4.55	5.2	5.84	1.08
1.11	1.89	2.59	3.26	3.92	4.58	5.25	5.92	1.13
1.1	1.87	2.54	3.19	3.82	4.43	5.05	5.67	1.04
1.21	2.07	2.84	3.58	4.29	5.01	5.73	6.46	1.18
1.23	2.09	2.86	3.6	4.32	5.05	5.79	6.55	1.14
1.19	2.01	2.74	3.44	4.12	4.8	5.48	6.16	1.19
1.11	1.9	2.59	3.27	3.92	4.59	5.25	5.92	1.12
1.12	1.91	2.62	3.31	3.98	4.65	5.32	6.01	1.12
1.1	1.89	2.59	3.26	3.92	4.56	5.21	5.86	1.13
1.25	2.18	2.94	3.71	4.48	5.28	6.08	6.89	1.27
1.16	1.95	2.67	3.35	4.02	4.69	5.36	6.03	1.16

T2_10	T2_15	T2_20	T2_25	T2_30	T2_35	T2_40	T1_0_5sp	T1_5_10sp
2.12	2.91	3.64	4.37	5.09	5.8	6.51	1.37	0.88
1.98	2.76	3.51	4.25	4.99	5.74	6.51	1.21	0.85
1.98	2.67	3.34	3.98	4.62	5.26	5.91	1.18	0.8
1.96	2.7	3.42	4.11	4.81	5.51	6.22	1.15	0.81
2.05	2.79	3.5	4.19	4.87	5.56	6.25	1.21	0.84
2.14	2.93	3.7	4.44	5.2	5.95	6.72	1.29	0.87
1.94	2.65	3.35	4.02	4.71	5.38	6.07	1.14	0.8
1.92	2.63	3.32	3.99	4.68	5.36	6.07	1.06	0.8
1.99	2.73	3.44	4.14	4.85	5.55	6.28	1.16	0.83
2.08	2.8	3.49	4.16	4.84	5.5	6.18	1.27	0.82
1.98	2.71	3.45	4.17	4.89	5.63	6.37	1.15	0.81
2.15	2.95	3.75	4.53	5.31	6.11	6.94	1.22	0.9
2.16	2.96	3.75	4.53	5.31	6.1	6.94	1.24	0.89
2.01	2.77	3.52	4.26	4.99	5.73	6.47	1.14	0.85
2.02	2.75	3.46	4.16	4.86	5.58	6.32	1.2	0.83
2	2.73	3.45	4.15	4.85	5.56	6.28	1.17	0.84
2.09	2.88	3.64	4.38	5.13	5.89	6.68	1.19	0.83
2	2.75	3.48	4.19	4.91	5.63	6.38	1.17	0.81
2.13	2.93	3.68	4.43	5.17	5.93	6.69	1.42	0.87
2.2	3.02	3.8	4.57	5.35	6.13	6.92	1.28	0.9
2.14	2.95	3.71	4.48	5.25	6.03	6.86	1.25	0.89
2.23	3.04	3.81	4.56	5.32	6.06	6.82	1.33	0.9
2.13	2.97	3.78	4.58	5.38	6.19	7.07	1.28	0.92
1.94	2.7	3.42	4.13	4.85	5.56	6.32	1.12	0.83
2.06	2.85	3.6	4.33	5.07	5.81	6.59	1.21	0.87
1.98	2.71	3.42	4.1	4.79	5.48	6.2	1.14	0.82
2.06	2.83	3.56	4.28	5.01	5.73	6.49	1.13	0.85
2.18	3	3.79	4.57	5.37	6.15	7.01	1.32	0.92
2.26	3.09	3.9	4.7	5.52	6.35	7.26	1.31	0.91
2.09	2.91	3.68	4.46	5.23	5.99	6.77	1.26	0.9
1.93	2.63	3.3	3.96	4.6	5.26	5.91	1.17	0.81
1.81	2.49	3.14	3.77	4.4	5.02	5.64	1.15	0.76
1.97	2.68	3.37	4.05	4.72	5.39	6.06	1.17	0.8
1.87	2.63	3.33	4.01	4.68	5.36	6.03	1.1	0.79
1.97	2.73	3.44	4.15	4.87	5.59	6.32	1.16	0.8
1.92	2.67	3.37	4.06	4.74	5.42	6.1	1.11	0.83
1.99	2.78	3.51	4.26	4.99	5.72	6.45	1.14	0.84
1.96	2.71	3.45	4.17	4.9	5.63	6.38	1.11	0.83
1.92	2.64	3.34	4.04	4.72	5.43	6.15	1.15	0.78
1.94	2.65	3.33	3.98	4.63	5.28	5.9	1.14	0.81
1.94	2.69	3.41	4.11	4.82	5.53	6.24	1.11	0.81
1.9	2.62	3.31	3.97	4.63	5.31	5.97	1.12	0.78
1.93	2.63	3.29	3.92	4.55	5.19	5.83	1.14	0.76
1.9	2.6	3.24	3.86	4.49	5.1	5.73	1.16	0.72
2.01	2.75	3.47	4.15	4.87	5.57	6.29	1.13	0.83
2.02	2.75	3.46	4.14	4.82	5.49	6.17	1.19	0.83
1.87	2.57	3.24	3.89	4.56	5.21	5.89	1.1	0.78
1.95	2.67	3.36	4.05	4.78	5.52	6.35	1.14	0.78

1.8	2.49	3.15	3.8	4.44	5.08	5.74	1.08	0.77
1.83	2.53	3.19	3.85	4.51	5.15	5.8	1.07	0.76
1.92	2.65	3.34	4.01	4.67	5.33	5.99	1.16	0.81
1.87	2.54	3.23	3.88	4.53	5.18	5.83	1.08	0.8
1.91	2.6	3.28	3.96	4.62	5.29	5.97	1.11	0.78
1.81	2.52	3.19	3.82	4.45	5.08	5.71	1.1	0.77
2.14	2.92	3.65	4.37	5.09	5.82	6.54	1.21	0.86
2.05	2.81	3.56	4.28	5.01	5.79	6.55	1.23	0.86
2.01	2.73	3.42	4.1	4.77	5.44	6.12	1.19	0.82
1.89	2.59	3.27	3.92	4.58	5.23	5.91	1.11	0.79
1.91	2.62	3.31	3.97	4.64	5.31	6	1.12	0.79
1.93	2.63	3.3	3.96	4.6	5.24	5.89	1.1	0.79
2.14	2.94	3.7	4.46	5.23	6.02	6.81	1.25	0.93
1.95	2.67	3.35	4.02	4.68	5.34	6.01	1.16	0.79

T1_10_15sp	T1_15_20sp	T1_20_25sp	T1_25_30sp	T1_30_35sp	T1_35_40sp	T2_0_5sp	T2_5_10sp
0.79	0.73	0.72	0.73	0.7	0.73	1.29	0.83
0.76	0.74	0.72	0.71	0.73	0.73	1.13	0.85
0.68	0.66	0.65	0.65	0.63	0.64	1.21	0.77
0.75	0.72	0.7	0.69	0.73	0.72	1.13	0.83
0.74	0.71	0.69	0.68	0.69	0.69	1.23	0.82
0.79	0.78	0.74	0.76	0.76	0.77	1.26	0.88
0.73	0.71	0.69	0.7	0.68	0.7	1.14	0.8
0.71	0.69	0.67	0.68	0.69	0.72	1.11	0.81
0.73	0.73	0.69	0.72	0.7	0.72	1.16	0.83
0.73	0.7	0.68	0.68	0.67	0.68	1.27	0.81
0.72	0.71	0.7	0.7	0.71	0.72	1.16	0.82
0.8	0.79	0.77	0.77	0.79	0.81	1.25	0.9
0.79	0.78	0.76	0.78	0.81	0.83	1.26	0.9
0.77	0.74	0.73	0.73	0.73	0.72	1.14	0.87
0.74	0.72	0.71	0.7	0.73	0.75	1.19	0.83
0.73	0.73	0.7	0.7	0.72	0.73	1.19	0.81
0.79	0.74	0.75	0.74	0.75	0.8	1.22	0.87
0.75	0.71	0.71	0.72	0.73	0.73	1.18	0.82
0.8	0.77	0.75	0.75	0.75	0.76	1.27	0.86
0.83	0.79	0.77	0.79	0.78	0.79	1.29	0.91
0.81	0.76	0.77	0.77	0.78	0.83	1.25	0.89
0.83	0.77	0.77	0.77	0.76	0.77	1.32	0.91
0.85	0.82	0.8	0.81	0.82	0.85	1.21	0.92
0.75	0.72	0.7	0.71	0.7	0.74	1.11	0.83
0.8	0.76	0.76	0.77	0.76	0.82	1.2	0.86
0.72	0.7	0.68	0.68	0.68	0.69	1.16	0.82
0.78	0.73	0.72	0.71	0.71	0.71	1.2	0.86
0.84	0.79	0.8	0.8	0.8	0.83	1.26	0.92
0.84	0.8	0.78	0.8	0.82	0.89	1.34	0.92
0.83	0.79	0.78	0.78	0.78	0.79	1.2	0.89
0.72	0.7	0.67	0.67	0.66	0.67	1.14	0.79
0.68	0.66	0.63	0.63	0.62	0.63	1.03	0.78
0.72	0.69	0.67	0.67	0.68	0.67	1.16	0.81
0.76	0.7	0.68	0.67	0.67	0.69	1.08	0.79
0.76	0.71	0.71	0.72	0.72	0.73	1.17	0.8
0.75	0.71	0.69	0.7	0.69	0.7	1.1	0.82
0.76	0.73	0.72	0.72	0.73	0.72	1.15	0.84
0.76	0.73	0.72	0.73	0.72	0.74	1.12	0.84
0.74	0.7	0.71	0.7	0.66	0.76	1.11	0.81
0.72	0.69	0.65	0.67	0.64	0.65	1.12	0.82
0.74	0.73	0.71	0.72	0.72	0.7	1.12	0.82
0.73	0.68	0.67	0.68	0.68	0.67	1.12	0.78
0.69	0.64	0.63	0.63	0.63	0.63	1.15	0.78
0.69	0.64	0.63	0.64	0.62	0.64	1.17	0.73
0.72	0.71	0.69	0.69	0.69	0.71	1.17	0.84
0.74	0.72	0.68	0.69	0.67	0.69	1.19	0.83
0.7	0.66	0.65	0.65	0.65	0.67	1.09	0.78
0.69	0.67	0.67	0.68	0.7	0.74	1.16	0.79

0.71	0.66	0.65	0.66	0.65	0.67	1.03	0.77
0.7	0.66	0.66	0.65	0.65	0.66	1.07	0.76
0.73	0.7	0.67	0.66	0.67	0.66	1.11	0.81
0.69	0.68	0.65	0.65	0.65	0.64	1.08	0.79
0.7	0.67	0.66	0.66	0.67	0.67	1.13	0.78
0.67	0.65	0.63	0.61	0.62	0.62	1.04	0.77
0.77	0.74	0.71	0.72	0.72	0.73	1.18	0.96
0.77	0.74	0.72	0.73	0.74	0.76	1.14	0.91
0.73	0.7	0.68	0.68	0.68	0.68	1.19	0.82
0.69	0.68	0.65	0.67	0.66	0.67	1.12	0.77
0.71	0.69	0.67	0.67	0.67	0.69	1.12	0.79
0.7	0.67	0.66	0.64	0.65	0.65	1.13	0.8
0.76	0.77	0.77	0.8	0.8	0.81	1.27	0.87
0.72	0.68	0.67	0.67	0.67	0.67	1.16	0.79

T2_10_15sp	T2_15_20sp	T2_20_25sp	T2_25_30sp	T2_30_35sp	T2_35_40sp	T1_0_5V
0.79	0.73	0.73	0.72	0.71	0.71	3.65
0.78	0.75	0.74	0.74	0.75	0.77	4.13
0.69	0.67	0.64	0.64	0.64	0.65	4.24
0.74	0.72	0.69	0.7	0.7	0.71	4.35
0.74	0.71	0.69	0.68	0.69	0.69	4.13
0.79	0.77	0.74	0.76	0.75	0.77	3.88
0.71	0.7	0.67	0.69	0.67	0.69	4.39
0.71	0.69	0.67	0.69	0.68	0.71	4.72
0.74	0.71	0.7	0.71	0.7	0.73	4.31
0.72	0.69	0.67	0.68	0.66	0.68	3.94
0.73	0.74	0.72	0.72	0.74	0.74	4.35
0.8	0.8	0.78	0.78	0.8	0.83	4.1
0.8	0.79	0.78	0.78	0.79	0.84	4.03
0.76	0.75	0.74	0.73	0.74	0.74	4.39
0.73	0.71	0.7	0.7	0.72	0.74	4.17
0.73	0.72	0.7	0.7	0.71	0.72	4.27
0.79	0.76	0.74	0.75	0.76	0.79	4.2
0.75	0.73	0.71	0.72	0.72	0.75	4.27
0.8	0.75	0.75	0.74	0.76	0.76	3.52
0.82	0.78	0.77	0.78	0.78	0.79	3.91
0.81	0.76	0.77	0.77	0.78	0.83	4
0.81	0.77	0.75	0.76	0.74	0.76	3.76
0.84	0.81	0.8	0.8	0.81	0.88	3.91
0.76	0.72	0.71	0.72	0.71	0.76	4.46
0.79	0.75	0.73	0.74	0.74	0.78	4.13
0.73	0.71	0.68	0.69	0.69	0.72	4.39
0.77	0.73	0.72	0.73	0.72	0.76	4.42
0.82	0.79	0.78	0.8	0.78	0.86	3.79
0.83	0.81	0.8	0.82	0.83	0.91	3.82
0.82	0.77	0.78	0.77	0.76	0.78	3.97
0.7	0.67	0.66	0.64	0.66	0.65	4.27
0.68	0.65	0.63	0.63	0.62	0.62	4.35
0.71	0.69	0.68	0.67	0.67	0.67	4.27
0.76	0.7	0.68	0.67	0.68	0.67	4.55
0.76	0.71	0.71	0.72	0.72	0.73	4.31
0.75	0.7	0.69	0.68	0.68	0.68	4.5
0.79	0.73	0.75	0.73	0.73	0.73	4.39
0.75	0.74	0.72	0.73	0.73	0.75	4.5
0.72	0.7	0.7	0.68	0.71	0.72	4.35
0.71	0.68	0.65	0.65	0.65	0.62	4.39
0.75	0.72	0.7	0.71	0.71	0.71	4.5
0.72	0.69	0.66	0.66	0.68	0.66	4.46
0.7	0.66	0.63	0.63	0.64	0.64	4.39
0.7	0.64	0.62	0.63	0.61	0.63	4.31
0.74	0.72	0.68	0.72	0.7	0.72	4.42
0.73	0.71	0.68	0.68	0.67	0.68	4.2
0.7	0.67	0.65	0.67	0.65	0.68	4.55
0.72	0.69	0.69	0.73	0.74	0.83	4.39

0.69	0.66	0.65	0.64	0.64	0.66	4.63
0.7	0.66	0.66	0.66	0.64	0.65	4.67
0.73	0.69	0.67	0.66	0.66	0.66	4.31
0.67	0.69	0.65	0.65	0.65	0.65	4.63
0.69	0.68	0.68	0.66	0.67	0.68	4.5
0.71	0.67	0.63	0.63	0.63	0.63	4.55
0.78	0.73	0.72	0.72	0.73	0.72	4.13
0.76	0.75	0.72	0.73	0.78	0.76	4.07
0.72	0.69	0.68	0.67	0.67	0.68	4.2
0.7	0.68	0.65	0.66	0.65	0.68	4.5
0.71	0.69	0.66	0.67	0.67	0.69	4.46
0.7	0.67	0.66	0.64	0.64	0.65	4.55
0.8	0.76	0.76	0.77	0.79	0.79	4
0.72	0.68	0.67	0.66	0.66	0.67	4.31

T1_5_10V	T1_10_15V	T1_15_20V	T1_20_25V	T1_25_30V	T1_30_35V	T1_35_40V
5.68	6.33	6.85	6.94	6.85	7.14	6.85
5.88	6.58	6.76	6.94	7.04	6.85	6.85
6.25	7.35	7.58	7.69	7.69	7.94	7.81
6.17	6.67	6.94	7.14	7.25	6.85	6.94
5.95	6.76	7.04	7.25	7.35	7.25	7.25
5.75	6.33	6.41	6.76	6.58	6.58	6.49
6.25	6.85	7.04	7.25	7.14	7.35	7.14
6.25	7.04	7.25	7.46	7.35	7.25	6.94
6.02	6.85	6.85	7.25	6.94	7.14	6.94
6.1	6.85	7.14	7.35	7.35	7.46	7.35
6.17	6.94	7.04	7.14	7.14	7.04	6.94
5.56	6.25	6.33	6.49	6.49	6.33	6.17
5.62	6.33	6.41	6.58	6.41	6.17	6.02
5.88	6.49	6.76	6.85	6.85	6.85	6.94
6.02	6.76	6.94	7.04	7.14	6.85	6.67
5.95	6.85	6.85	7.14	7.14	6.94	6.85
6.02	6.33	6.76	6.67	6.76	6.67	6.25
6.17	6.67	7.04	7.04	6.94	6.85	6.85
5.75	6.25	6.49	6.67	6.67	6.67	6.58
5.56	6.02	6.33	6.49	6.33	6.41	6.33
5.62	6.17	6.58	6.49	6.49	6.41	6.02
5.56	6.02	6.49	6.49	6.49	6.58	6.49
5.43	5.88	6.1	6.25	6.17	6.1	5.88
6.02	6.67	6.94	7.14	7.04	7.14	6.76
5.75	6.25	6.58	6.58	6.49	6.58	6.1
6.1	6.94	7.14	7.35	7.35	7.35	7.25
5.88	6.41	6.85	6.94	7.04	7.04	7.04
5.43	5.95	6.33	6.25	6.25	6.25	6.02
5.49	5.95	6.25	6.41	6.25	6.1	5.62
5.56	6.02	6.33	6.41	6.41	6.41	6.33
6.17	6.94	7.14	7.46	7.46	7.58	7.46
6.58	7.35	7.58	7.94	7.94	8.06	7.94
6.25	6.94	7.25	7.46	7.46	7.35	7.46
6.33	6.58	7.14	7.35	7.46	7.46	7.25
6.25	6.58	7.04	7.04	6.94	6.94	6.85
6.02	6.67	7.04	7.25	7.14	7.25	7.14
5.95	6.58	6.85	6.94	6.94	6.85	6.94
6.02	6.58	6.85	6.94	6.85	6.94	6.76
6.41	6.76	7.14	7.04	7.14	7.58	6.58
6.17	6.94	7.25	7.69	7.46	7.81	7.69
6.17	6.76	6.85	7.04	6.94	6.94	7.14
6.41	6.85	7.35	7.46	7.35	7.35	7.46
6.58	7.25	7.81	7.94	7.94	7.94	7.94
6.94	7.25	7.81	7.94	7.81	8.06	7.81
6.02	6.94	7.04	7.25	7.25	7.25	7.04
6.02	6.76	6.94	7.35	7.25	7.46	7.25
6.41	7.14	7.58	7.69	7.69	7.69	7.46
6.41	7.25	7.46	7.46	7.35	7.14	6.76

6.49	7.04	7.58	7.69	7.58	7.69	7.46
6.58	7.14	7.58	7.58	7.69	7.69	7.58
6.17	6.85	7.14	7.46	7.58	7.46	7.58
6.25	7.25	7.35	7.69	7.69	7.69	7.81
6.41	7.14	7.46	7.58	7.58	7.46	7.46
6.49	7.46	7.69	7.94	8.2	8.06	8.06
5.81	6.49	6.76	7.04	6.94	6.94	6.85
5.81	6.49	6.76	6.94	6.85	6.76	6.58
6.1	6.85	7.14	7.35	7.35	7.35	7.35
6.33	7.25	7.35	7.69	7.46	7.58	7.46
6.33	7.04	7.25	7.46	7.46	7.46	7.25
6.33	7.14	7.46	7.58	7.81	7.69	7.69
5.38	6.58	6.49	6.49	6.25	6.25	6.17
6.33	6.94	7.35	7.46	7.46	7.46	7.46

T2_0_5V	T2_5_10V	T2_10_15V	T2_15_20V	T2_20_25V	T2_25_30V	T2_30_35V
3.88	6.02	6.33	6.85	6.85	6.94	7.04
4.42	5.88	6.41	6.67	6.76	6.76	6.67
4.13	6.49	7.25	7.46	7.81	7.81	7.81
4.42	6.02	6.76	6.94	7.25	7.14	7.14
4.07	6.1	6.76	7.04	7.25	7.35	7.25
3.97	5.68	6.33	6.49	6.76	6.58	6.67
4.39	6.25	7.04	7.14	7.46	7.25	7.46
4.5	6.17	7.04	7.25	7.46	7.25	7.35
4.31	6.02	6.76	7.04	7.14	7.04	7.14
3.94	6.17	6.94	7.25	7.46	7.35	7.58
4.31	6.1	6.85	6.76	6.94	6.94	6.76
4	5.56	6.25	6.25	6.41	6.41	6.25
3.97	5.56	6.25	6.33	6.41	6.41	6.33
4.39	5.75	6.58	6.67	6.76	6.85	6.76
4.2	6.02	6.85	7.04	7.14	7.14	6.94
4.2	6.17	6.85	6.94	7.14	7.14	7.04
4.1	5.75	6.33	6.58	6.76	6.67	6.58
4.24	6.1	6.67	6.85	7.04	6.94	6.94
3.94	5.81	6.25	6.67	6.67	6.76	6.58
3.88	5.49	6.1	6.41	6.49	6.41	6.41
4	5.62	6.17	6.58	6.49	6.49	6.41
3.79	5.49	6.17	6.49	6.67	6.58	6.76
4.13	5.43	5.95	6.17	6.25	6.25	6.17
4.5	6.02	6.58	6.94	7.04	6.94	7.04
4.17	5.81	6.33	6.67	6.85	6.76	6.76
4.31	6.1	6.85	7.04	7.35	7.25	7.25
4.17	5.81	6.49	6.85	6.94	6.85	6.94
3.97	5.43	6.1	6.33	6.41	6.25	6.41
3.73	5.43	6.02	6.17	6.25	6.1	6.02
4.17	5.62	6.1	6.49	6.41	6.49	6.58
4.39	6.33	7.14	7.46	7.58	7.81	7.58
4.85	6.41	7.35	7.69	7.94	7.94	8.06
4.31	6.17	7.04	7.25	7.35	7.46	7.46
4.63	6.33	6.58	7.14	7.35	7.46	7.35
4.27	6.25	6.58	7.04	7.04	6.94	6.94
4.55	6.1	6.67	7.14	7.25	7.35	7.35
4.35	5.95	6.33	6.85	6.67	6.85	6.85
4.46	5.95	6.67	6.76	6.94	6.85	6.85
4.5	6.17	6.94	7.14	7.14	7.35	7.04
4.46	6.1	7.04	7.35	7.69	7.69	7.69
4.46	6.1	6.67	6.94	7.14	7.04	7.04
4.46	6.41	6.94	7.25	7.58	7.58	7.35
4.35	6.41	7.14	7.58	7.94	7.94	7.81
4.27	6.85	7.14	7.81	8.06	7.94	8.2
4.27	5.95	6.76	6.94	7.35	6.94	7.14
4.2	6.02	6.85	7.04	7.35	7.35	7.46
4.59	6.41	7.14	7.46	7.69	7.46	7.69
4.31	6.33	6.94	7.25	7.25	6.85	6.76

4.85	6.49	7.25	7.58	7.69	7.81	7.81
4.67	6.58	7.14	7.58	7.58	7.58	7.81
4.5	6.17	6.85	7.25	7.46	7.58	7.58
4.63	6.33	7.46	7.25	7.69	7.69	7.69
4.42	6.41	7.25	7.35	7.35	7.58	7.46
4.81	6.49	7.04	7.46	7.94	7.94	7.94
4.24	5.21	6.41	6.85	6.94	6.94	6.85
4.39	5.49	6.58	6.67	6.94	6.85	6.41
4.2	6.1	6.94	7.25	7.35	7.46	7.46
4.46	6.49	7.14	7.35	7.69	7.58	7.69
4.46	6.33	7.04	7.25	7.58	7.46	7.46
4.42	6.25	7.14	7.46	7.58	7.81	7.81
3.94	5.75	6.25	6.58	6.58	6.49	6.33
4.31	6.33	6.94	7.35	7.46	7.58	7.58

T2_35_40V	T1_0_10V	T1_10_20_V	T1_20_30_V	T1_30_40V	T2_0_10V	T2_10_20_V
7.04	4.44	6.58	6.90	6.99	4.72	6.58
6.49	4.85	6.67	6.99	6.85	5.05	6.54
7.69	5.05	7.46	7.69	7.87	5.05	7.35
7.04	5.1	6.80	7.19	6.90	5.1	6.85
7.25	4.88	6.90	7.30	7.25	4.88	6.90
6.49	4.63	6.37	6.67	6.54	4.67	6.41
7.25	5.15	6.94	7.19	7.25	5.15	7.09
7.04	5.38	7.14	7.41	7.09	5.21	7.14
6.85	5.03	6.85	7.09	7.04	5.03	6.90
7.35	4.78	6.99	7.35	7.41	4.81	7.09
6.76	5.1	6.99	7.14	6.99	5.05	6.80
6.02	4.72	6.29	6.49	6.25	4.65	6.25
5.95	4.69	6.37	6.49	6.10	4.63	6.29
6.76	5.03	6.62	6.85	6.90	4.98	6.62
6.76	4.93	6.85	7.09	6.76	4.95	6.94
6.94	4.98	6.85	7.14	6.90	5	6.90
6.33	4.95	6.54	6.71	6.45	4.78	6.45
6.67	5.05	6.85	6.99	6.85	5	6.76
6.58	4.37	6.37	6.67	6.62	4.69	6.45
6.33	4.59	6.17	6.41	6.37	4.55	6.25
6.02	4.67	6.37	6.49	6.21	4.67	6.37
6.58	4.48	6.25	6.49	6.54	4.48	6.33
5.68	4.55	5.99	6.21	5.99	4.69	6.06
6.58	5.13	6.80	7.09	6.94	5.15	6.76
6.41	4.81	6.41	6.54	6.33	4.85	6.49
6.94	5.1	7.04	7.35	7.30	5.05	6.94
6.58	5.05	6.62	6.99	7.04	4.85	6.67
5.81	4.46	6.13	6.25	6.13	4.59	6.21
5.49	4.5	6.10	6.33	5.85	4.42	6.10
6.41	4.63	6.17	6.41	6.37	4.78	6.29
7.69	5.05	7.04	7.46	7.52	5.18	7.30
8.06	5.24	7.46	7.94	8.00	5.52	7.52
7.46	5.08	7.09	7.46	7.41	5.08	7.14
7.46	5.29	6.85	7.41	7.35	5.35	6.85
6.85	5.1	6.80	6.99	6.90	5.08	6.80
7.35	5.15	6.85	7.19	7.19	5.21	6.90
6.85	5.05	6.71	6.94	6.90	5.03	6.58
6.67	5.15	6.71	6.90	6.85	5.1	6.71
6.94	5.18	6.94	7.09	7.04	5.21	7.04
8.06	5.13	7.09	7.58	7.75	5.15	7.19
7.04	5.21	6.80	6.99	7.04	5.15	6.80
7.58	5.26	7.09	7.41	7.41	5.26	7.09
7.81	5.26	7.52	7.94	7.94	5.18	7.35
7.94	5.32	7.52	7.87	7.94	5.26	7.46
6.94	5.1	6.99	7.25	7.14	4.98	6.85
7.35	4.95	6.85	7.30	7.35	4.95	6.94
7.35	5.32	7.35	7.69	7.58	5.35	7.30
6.02	5.21	7.35	7.41	6.94	5.13	7.09

7.58	5.41	7.30	7.63	7.58	5.56	7.41
7.69	5.46	7.35	7.63	7.63	5.46	7.35
7.58	5.08	6.99	7.52	7.52	5.21	7.04
7.69	5.32	7.30	7.69	7.75	5.35	7.35
7.35	5.29	7.30	7.58	7.46	5.24	7.30
7.94	5.35	7.58	8.06	8.06	5.52	7.25
6.94	4.83	6.62	6.99	6.90	4.67	6.62
6.58	4.78	6.62	6.90	6.67	4.88	6.62
7.35	4.98	6.99	7.35	7.35	4.98	7.09
7.35	5.26	7.30	7.58	7.52	5.29	7.25
7.25	5.24	7.14	7.46	7.35	5.24	7.14
7.69	5.29	7.30	7.69	7.69	5.18	7.30
6.33	4.59	6.54	6.37	6.21	4.67	6.41
7.46	5.13	7.14	7.46	7.46	5.13	7.14

T2_20_30_V	T2_30_40V	T1_MSS	T2_MSS	Difference	Mean_MSS
6.90	7.04	7.14	7.04	0.10	7.09
6.76	6.58	7.04	6.76	0.28	6.90
7.81	7.75	7.94	7.81	0.13	7.88
7.19	7.09	7.25	7.25	0.00	7.25
7.30	7.25	7.35	7.35	0.00	7.35
6.67	6.58	6.76	6.76	0.00	6.76
7.35	7.35	7.35	7.46	-0.11	7.41
7.35	7.19	7.46	7.46	0.00	7.46
7.09	6.99	7.25	7.14	0.11	7.20
7.41	7.46	7.46	7.58	-0.12	7.52
6.94	6.76	7.14	6.94	0.20	7.04
6.41	6.13	6.49	6.41	0.08	6.45
6.41	6.13	6.58	6.41	0.17	6.50
6.80	6.76	6.94	6.85	0.09	6.90
7.14	6.85	7.14	7.14	0.00	7.14
7.14	6.99	7.14	7.14	0.00	7.14
6.71	6.45	6.76	6.76	0.00	6.76
6.99	6.80	7.04	7.04	0.00	7.04
6.71	6.58	6.67	6.76	-0.09	6.72
6.45	6.37	6.49	6.49	0.00	6.49
6.49	6.21	6.58	6.58	0.00	6.58
6.62	6.67	6.58	6.76	-0.18	6.67
6.25	5.92	6.25	6.25	0.00	6.25
6.99	6.80	7.14	7.04	0.10	7.09
6.80	6.58	6.58	6.85	-0.27	6.72
7.30	7.09	7.35	7.35	0.00	7.35
6.90	6.76	7.04	6.94	0.10	6.99
6.33	6.10	6.33	6.41	-0.08	6.37
6.17	5.75	6.41	6.25	0.16	6.33
6.45	6.49	6.41	6.58	-0.17	6.50
7.69	7.63	7.58	7.81	-0.23	7.70
7.94	8.06	8.06	8.06	0.00	8.06
7.41	7.46	7.46	7.46	0.00	7.46
7.41	7.41	7.46	7.46	0.00	7.46
6.99	6.90	7.04	7.04	0.00	7.04
7.30	7.35	7.25	7.35	-0.10	7.30
6.76	6.85	6.94	6.85	0.09	6.90
6.90	6.76	6.94	6.94	0.00	6.94
7.25	6.99	7.58	7.35	0.23	7.47
7.69	7.87	7.81	8.06	-0.25	7.94
7.09	7.04	7.14	7.14	0.00	7.14
7.58	7.46	7.46	7.58	-0.12	7.52
7.94	7.81	7.94	7.94	0.00	7.94
8.00	8.06	8.06	8.20	-0.14	8.13
7.14	7.04	7.25	7.35	-0.10	7.30
7.35	7.41	7.46	7.46	0.00	7.46
7.58	7.52	7.69	7.69	0.00	7.69
7.04	6.37	7.46	7.25	0.21	7.36

7.75	7.69	7.69	7.81	-0.12	7.75
7.58	7.75	7.69	7.81	-0.12	7.75
7.52	7.58	7.58	7.58	0.00	7.58
7.69	7.69	7.81	7.69	0.12	7.75
7.46	7.41	7.58	7.58	0.00	7.58
7.94	7.94	8.20	7.94	0.26	8.07
6.94	6.90	7.04	6.94	0.10	6.99
6.90	6.49	6.94	6.94	0.00	6.94
7.41	7.41	7.35	7.46	-0.11	7.41
7.63	7.52	7.69	7.69	0.00	7.69
7.52	7.35	7.46	7.58	-0.12	7.52
7.69	7.75	7.81	7.81	0.00	7.81
6.54	6.33	6.58	6.58	0.00	6.58
7.52	7.52	7.46	7.58	-0.12	7.52

T1_Split	T2_Split	Fastest_Trial	Fastest_MSS_O\	Fastest_Split	MSS_40_5
7	7	2	7.14	7	7.14
6	5	1	7.04	6	7.04
7	7	1	7.94	7	7.94
6	5	2	7.25	5	7.25
6	6	2	7.35	6	7.35
5	5	2	6.76	5	6.76
7	5	2	7.46	5	7.46
5	5	1	7.46	5	7.46
5	5	2	7.25	5	7.25
7	7	2	7.58	7	7.58
5	5	1	7.14	5	7.14
6	6	1	6.49	6	6.49
5	6	1	6.58	5	6.58
8	6	1	6.94	8	6.94
6	5	2	7.14	5	7.14
5	6	2	7.14	6	7.14
4	5	1	6.76	5	6.76
4	5	1	7.04	5	7.04
6	6	2	6.76	6	6.76
5	5	2	6.49	5	6.49
4	4	2	6.58	4	6.58
7	7	2	6.76	7	6.76
5	6	2	6.25	5	6.25
5	5	1	7.14	5	7.14
7	5	2	6.85	5	6.85
5	5	1	7.35	5	7.35
6	5	1	7.04	6	7.04
4	5	2	6.41	5	6.41
5	5	1	6.41	5	6.41
5	7	2	6.58	7	6.58
7	6	2	7.81	6	7.81
7	7	2	8.06	7	8.06
5	6	2	7.46	6	7.46
6	6	2	7.46	6	7.46
5	4	1	7.04	4	7.04
5	7	2	7.35	6	7.35
6	7	1	6.94	5	6.94
7	5	1	6.94	5	6.94
7	6	2	7.58	7	7.58
7	8	2	8.06	8	8.06
8	5	2	7.14	5	7.14
5	6	2	7.58	5	7.58
5	5	1	7.94	5	7.94
7	7	2	8.20	7	8.20
6	5	1	7.35	5	7.35
7	7	2	7.46	7	7.46
5	5	1	7.69	5	7.69
4	4	1	7.46	4	7.46

7	7	2	7.81	7	7.81
6	7	2	7.81	7	7.81
8	6	2	7.58	6	7.58
8	7	2	7.81	8	7.81
5	6	1	7.58	5	7.58
6	5	1	8.20	6	8.20
5	6	1	7.04	5	7.04
5	5	2	6.94	5	6.94
6	6	2	7.46	6	7.46
5	5	2	7.69	5	7.69
5	5	2	7.58	5	7.58
6	6	1	7.81	6	7.81
3	5	2	6.58	4	6.58
5	6	2	7.58	6	7.58

MSS_30_5	MSS_30_10	MSS_40_10	Diff_MSS_30_5	Diff_MSS_30_10
6.94	6.90	7.04	0.20	0.24
7.04	6.99	6.99	0.00	0.05
7.81	7.81	7.87	0.13	0.13
7.25	7.19	7.19	0.00	0.06
7.35	7.30	7.30	0.00	0.05
6.76	6.67	6.67	0.00	0.09
7.46	7.35	7.35	0.00	0.11
7.46	7.41	7.41	0.00	0.05
7.25	7.09	7.09	0.00	0.16
7.46	7.41	7.46	0.12	0.17
7.14	7.14	7.14	0.00	0.00
6.49	6.49	6.49	0.00	0.00
6.58	6.49	6.49	0.00	0.09
6.85	6.85	6.90	0.09	0.09
7.14	7.14	7.14	0.00	0.00
7.14	7.14	7.14	0.00	0.00
6.76	6.71	6.71	0.00	0.05
7.04	6.99	6.99	0.00	0.05
6.76	6.71	6.71	0.00	0.05
6.49	6.45	6.45	0.00	0.04
6.58	6.49	6.49	0.00	0.09
6.67	6.62	6.67	0.09	0.14
6.25	6.25	6.25	0.00	0.00
7.14	7.09	7.09	0.00	0.05
6.85	6.80	6.80	0.00	0.05
7.35	7.35	7.35	0.00	0.00
7.04	6.99	7.04	0.00	0.05
6.41	6.33	6.33	0.00	0.08
6.41	6.33	6.33	0.00	0.08
6.49	6.45	6.49	0.09	0.13
7.81	7.69	7.69	0.00	0.12
7.94	7.94	8.06	0.12	0.12
7.46	7.46	7.46	0.00	0.00
7.46	7.41	7.41	0.00	0.05
7.04	6.99	6.99	0.00	0.05
7.35	7.30	7.35	0.00	0.05
6.94	6.94	6.94	0.00	0.00
6.94	6.90	6.90	0.00	0.04
7.35	7.25	7.25	0.23	0.33
7.69	7.69	7.87	0.37	0.37
7.14	7.09	7.09	0.00	0.05
7.58	7.58	7.58	0.00	0.00
7.94	7.94	7.94	0.00	0.00
8.06	8.00	8.06	0.14	0.20
7.35	7.25	7.25	0.00	0.10
7.35	7.35	7.41	0.11	0.11
7.69	7.69	7.69	0.00	0.00
7.46	7.41	7.41	0.00	0.05

7.81	7.75	7.75	0.00	0.06
7.69	7.63	7.75	0.12	0.18
7.58	7.52	7.58	0.00	0.06
7.69	7.69	7.75	0.12	0.12
7.58	7.58	7.58	0.00	0.00
8.20	8.06	8.06	0.00	0.14
7.04	6.99	6.99	0.00	0.05
6.94	6.90	6.90	0.00	0.04
7.46	7.41	7.41	0.00	0.05
7.69	7.63	7.63	0.00	0.06
7.58	7.52	7.52	0.00	0.06
7.81	7.69	7.75	0.00	0.12
6.58	6.54	6.54	0.00	0.04
7.58	7.52	7.52	0.00	0.06

Diff_MSS_40_10	Diff_MSS_30_5_Pe	Diff_MSS_30_10_P	Diff_MSS_40_10_P	T1_40_5_MSS
0.10	2.8	3.4	1.4	7.14
0.05	0.0	0.7	0.7	7.04
0.07	1.7	1.7	0.9	7.94
0.06	0.0	0.8	0.8	7.25
0.05	0.0	0.7	0.7	7.35
0.09	0.0	1.3	1.3	6.76
0.11	0.0	1.5	1.5	7.35
0.05	0.0	0.7	0.7	7.46
0.16	0.0	2.2	2.2	7.25
0.12	1.6	2.3	1.6	7.46
0.00	0.0	0.0	0.0	7.14
0.00	0.0	0.0	0.0	6.49
0.09	0.0	1.4	1.4	6.58
0.04	1.3	1.3	0.6	6.94
0.00	0.0	0.0	0.0	7.14
0.00	0.0	0.0	0.0	7.14
0.05	0.0	0.7	0.7	6.76
0.05	0.0	0.7	0.7	7.04
0.05	0.0	0.7	0.7	6.67
0.04	0.0	0.6	0.6	6.49
0.09	0.0	1.4	1.4	6.58
0.09	1.3	2.1	1.3	6.58
0.00	0.0	0.0	0.0	6.25
0.05	0.0	0.7	0.7	7.14
0.05	0.0	0.7	0.7	6.58
0.00	0.0	0.0	0.0	7.35
0.00	0.0	0.7	0.0	7.04
0.08	0.0	1.3	1.3	6.33
0.08	0.0	1.3	1.3	6.41
0.09	1.4	2.0	1.4	6.41
0.12	0.0	1.5	1.5	7.58
0.00	1.5	1.5	0.0	8.06
0.00	0.0	0.0	0.0	7.46
0.05	0.0	0.7	0.7	7.46
0.05	0.0	0.7	0.7	7.04
0.00	0.0	0.7	0.0	7.25
0.00	0.0	0.0	0.0	6.94
0.04	0.0	0.6	0.6	6.94
0.33	3.1	4.5	4.5	7.58
0.19	4.7	4.7	2.4	7.81
0.05	0.0	0.7	0.7	7.14
0.00	0.0	0.0	0.0	7.46
0.00	0.0	0.0	0.0	7.94
0.14	1.7	2.5	1.7	8.06
0.10	0.0	1.4	1.4	7.25
0.05	1.5	1.5	0.7	7.46
0.00	0.0	0.0	0.0	7.69
0.05	0.0	0.7	0.7	7.46

0.06	0.0	0.8	0.8	7.69
0.06	1.5	2.3	0.8	7.69
0.00	0.0	0.8	0.0	7.58
0.06	1.5	1.5	0.8	7.81
0.00	0.0	0.0	0.0	7.58
0.14	0.0	1.7	1.7	8.20
0.05	0.0	0.7	0.7	7.04
0.04	0.0	0.6	0.6	6.94
0.05	0.0	0.7	0.7	7.35
0.06	0.0	0.8	0.8	7.69
0.06	0.0	0.8	0.8	7.46
0.06	0.0	1.5	0.8	7.81
0.04	0.0	0.6	0.6	6.58
0.06	0.0	0.8	0.8	7.46

T2_40_5_MSS	T1_30_5_MSS	T2_30_5_MSS	T1_40_10_MSS	T2_40_10_MSS
7.04	6.94	6.94	6.99	7.04
6.76	7.04	6.76	6.99	6.76
7.81	7.69	7.81	7.87	7.81
7.25	7.25	7.25	7.19	7.19
7.35	7.35	7.35	7.30	7.30
6.76	6.76	6.76	6.67	6.67
7.46	7.25	7.46	7.25	7.35
7.46	7.46	7.46	7.41	7.35
7.14	7.25	7.14	7.09	7.09
7.58	7.35	7.46	7.41	7.46
6.94	7.14	6.94	7.14	6.94
6.41	6.49	6.41	6.49	6.41
6.41	6.58	6.41	6.49	6.41
6.85	6.85	6.85	6.90	6.80
7.14	7.14	7.14	7.09	7.14
7.14	7.14	7.14	7.14	7.14
6.76	6.76	6.76	6.71	6.71
7.04	7.04	7.04	6.99	6.99
6.76	6.67	6.76	6.67	6.71
6.49	6.49	6.49	6.41	6.45
6.58	6.58	6.58	6.49	6.49
6.76	6.49	6.67	6.54	6.67
6.25	6.25	6.25	6.21	6.25
7.04	7.14	7.04	7.09	6.99
6.85	6.58	6.85	6.54	6.80
7.35	7.35	7.35	7.35	7.30
6.94	7.04	6.94	7.04	6.90
6.41	6.33	6.41	6.25	6.33
6.25	6.41	6.25	6.33	6.17
6.58	6.41	6.49	6.41	6.49
7.81	7.46	7.81	7.52	7.69
8.06	7.94	7.94	8.00	8.06
7.46	7.46	7.46	7.46	7.46
7.46	7.46	7.46	7.41	7.41
7.04	7.04	7.04	6.99	6.99
7.35	7.25	7.35	7.19	7.35
6.85	6.94	6.85	6.94	6.85
6.94	6.94	6.94	6.90	6.90
7.35	7.14	7.35	7.09	7.25
8.06	7.69	7.69	7.75	7.87
7.14	7.04	7.14	7.04	7.09
7.58	7.46	7.58	7.41	7.58
7.94	7.94	7.94	7.94	7.94
8.20	7.94	8.06	7.94	8.06
7.35	7.25	7.35	7.25	7.14
7.46	7.35	7.35	7.35	7.41
7.69	7.69	7.69	7.69	7.58
7.25	7.46	7.25	7.41	7.09

7.81	7.69	7.81	7.63	7.75
7.81	7.69	7.58	7.63	7.75
7.58	7.58	7.58	7.52	7.58
7.69	7.69	7.69	7.75	7.69
7.58	7.58	7.58	7.58	7.46
7.94	8.20	7.94	8.06	7.94
6.94	7.04	6.94	6.99	6.94
6.94	6.94	6.94	6.90	6.90
7.46	7.35	7.46	7.35	7.41
7.69	7.69	7.69	7.58	7.63
7.58	7.46	7.58	7.46	7.52
7.81	7.81	7.81	7.69	7.75
6.58	6.58	6.58	6.54	6.54
7.58	7.46	7.58	7.46	7.52

T1_30_10_MSS	T2_30_10_MSS	Mean_40_5_MSS	Mean_30_5_MSS	Mean_40_10_MSS
6.90	6.90	7.09	6.94	7.02
6.99	6.76	6.90	6.90	6.88
7.69	7.81	7.88	7.75	7.84
7.19	7.19	7.25	7.25	7.19
7.30	7.30	7.35	7.35	7.30
6.67	6.67	6.76	6.76	6.67
7.19	7.35	7.41	7.36	7.30
7.41	7.35	7.46	7.46	7.38
7.09	7.09	7.20	7.20	7.09
7.35	7.41	7.52	7.41	7.44
7.14	6.94	7.04	7.04	7.04
6.49	6.41	6.45	6.45	6.45
6.49	6.41	6.50	6.50	6.45
6.85	6.80	6.90	6.85	6.85
7.09	7.14	7.14	7.14	7.12
7.14	7.14	7.14	7.14	7.14
6.71	6.71	6.76	6.76	6.71
6.99	6.99	7.04	7.04	6.99
6.67	6.71	6.72	6.72	6.69
6.41	6.45	6.49	6.49	6.43
6.49	6.49	6.58	6.58	6.49
6.49	6.62	6.67	6.58	6.61
6.21	6.25	6.25	6.25	6.23
7.09	6.99	7.09	7.09	7.04
6.54	6.80	6.72	6.72	6.67
7.35	7.30	7.35	7.35	7.33
6.99	6.90	6.99	6.99	6.97
6.25	6.33	6.37	6.37	6.29
6.33	6.17	6.33	6.33	6.25
6.41	6.45	6.50	6.45	6.45
7.46	7.69	7.70	7.64	7.61
7.94	7.94	8.06	7.94	8.03
7.46	7.41	7.46	7.46	7.46
7.41	7.41	7.46	7.46	7.41
6.99	6.99	7.04	7.04	6.99
7.19	7.30	7.30	7.30	7.27
6.94	6.76	6.90	6.90	6.90
6.90	6.90	6.94	6.94	6.90
7.09	7.25	7.47	7.25	7.17
7.58	7.69	7.94	7.69	7.81
6.99	7.09	7.14	7.09	7.07
7.41	7.58	7.52	7.52	7.50
7.94	7.94	7.94	7.94	7.94
7.87	8.00	8.13	8.00	8.00
7.25	7.14	7.30	7.30	7.20
7.30	7.35	7.46	7.35	7.38
7.69	7.58	7.69	7.69	7.64
7.41	7.09	7.36	7.36	7.25

7.63	7.75	7.75	7.75	7.69
7.63	7.58	7.75	7.64	7.69
7.52	7.52	7.58	7.58	7.55
7.69	7.69	7.75	7.69	7.72
7.58	7.46	7.58	7.58	7.52
8.06	7.94	8.07	8.07	8.00
6.99	6.94	6.99	6.99	6.97
6.90	6.90	6.94	6.94	6.90
7.35	7.41	7.41	7.41	7.38
7.58	7.63	7.69	7.69	7.61
7.46	7.52	7.52	7.52	7.49
7.69	7.69	7.81	7.81	7.72
6.54	6.54	6.58	6.58	6.54
7.46	7.52	7.52	7.52	7.49

Mean_30_10_MSS	CV_40_5	CV_30_5	CV_40_10	CV_30_10
6.90	0.01	0.00	0.01	0.00
6.88	0.03	0.03	0.02	0.02
7.75	0.01	0.01	0.01	0.01
7.19	0.00	0.00	0.00	0.00
7.30	0.00	0.00	0.00	0.00
6.67	0.00	0.00	0.00	0.00
7.27	0.01	0.02	0.01	0.02
7.38	0.00	0.00	0.01	0.01
7.09	0.01	0.01	0.00	0.00
7.38	0.01	0.01	0.00	0.01
7.04	0.02	0.02	0.02	0.02
6.45	0.01	0.01	0.01	0.01
6.45	0.02	0.02	0.01	0.01
6.83	0.01	0.00	0.01	0.01
7.12	0.00	0.00	0.00	0.00
7.14	0.00	0.00	0.00	0.00
6.71	0.00	0.00	0.00	0.00
6.99	0.00	0.00	0.00	0.00
6.69	0.01	0.01	0.00	0.00
6.43	0.00	0.00	0.00	0.00
6.49	0.00	0.00	0.00	0.00
6.56	0.02	0.02	0.01	0.01
6.23	0.00	0.00	0.00	0.00
7.04	0.01	0.01	0.01	0.01
6.67	0.03	0.03	0.03	0.03
7.33	0.00	0.00	0.00	0.00
6.95	0.01	0.01	0.01	0.01
6.29	0.01	0.01	0.01	0.01
6.25	0.02	0.02	0.02	0.02
6.43	0.02	0.01	0.01	0.00
7.58	0.02	0.03	0.02	0.02
7.94	0.00	0.00	0.01	0.00
7.44	0.00	0.00	0.00	0.00
7.41	0.00	0.00	0.00	0.00
6.99	0.00	0.00	0.00	0.00
7.25	0.01	0.01	0.02	0.01
6.85	0.01	0.01	0.01	0.02
6.90	0.00	0.00	0.00	0.00
7.17	0.02	0.02	0.02	0.02
7.64	0.02	0.00	0.01	0.01
7.04	0.00	0.01	0.01	0.01
7.50	0.01	0.01	0.02	0.02
7.94	0.00	0.00	0.00	0.00
7.94	0.01	0.01	0.01	0.01
7.20	0.01	0.01	0.01	0.01
7.33	0.00	0.00	0.01	0.00
7.64	0.00	0.00	0.01	0.01
7.25	0.02	0.02	0.03	0.03

7.69	0.01	0.01	0.01	0.01
7.61	0.01	0.01	0.01	0.00
7.52	0.00	0.00	0.01	0.00
7.69	0.01	0.00	0.01	0.00
7.52	0.00	0.00	0.01	0.01
8.00	0.02	0.02	0.01	0.01
6.97	0.01	0.01	0.01	0.01
6.90	0.00	0.00	0.00	0.00
7.38	0.01	0.01	0.01	0.01
7.61	0.00	0.00	0.00	0.00
7.49	0.01	0.01	0.01	0.01
7.69	0.00	0.00	0.01	0.00
6.54	0.00	0.00	0.00	0.00
7.49	0.01	0.01	0.01	0.01

CV_Perc_40_5	CV_Perc_30_5	CV_Perc_40_10	CV_Perc_30_10	**MeanV_0_5_**
1.0	0.0	0.5	0.0	3.77
2.9	2.9	2.4	2.4	4.28
1.2	1.1	0.5	1.1	4.19
0.0	0.0	0.0	0.0	4.39
0.0	0.0	0.0	0.0	4.10
0.0	0.0	0.0	0.0	3.93
1.1	2.0	1.0	1.6	4.39
0.0	0.0	0.6	0.6	4.61
1.1	1.1	0.0	0.0	4.31
1.1	1.1	0.5	0.6	3.94
2.0	2.0	2.0	2.0	4.33
0.9	0.9	0.9	0.9	4.05
1.9	1.9	0.9	0.9	4.00
0.9	0.0	1.0	0.5	4.39
0.0	0.0	0.5	0.5	4.19
0.0	0.0	0.0	0.0	4.24
0.0	0.0	0.0	0.0	4.15
0.0	0.0	0.0	0.0	4.26
1.0	1.0	0.4	0.4	3.73
0.0	0.0	0.4	0.4	3.90
0.0	0.0	0.0	0.0	4.00
1.9	1.9	1.4	1.4	3.78
0.0	0.0	0.5	0.5	4.02
1.0	1.0	1.0	1.0	4.48
2.8	2.8	2.8	2.8	4.15
0.0	0.0	0.5	0.5	4.35
1.0	1.0	1.4	0.9	4.30
0.9	0.9	0.9	0.9	3.88
1.8	1.8	1.8	1.8	3.78
1.9	0.9	0.9	0.4	4.07
2.1	3.2	1.6	2.2	4.33
0.0	0.0	0.5	0.0	4.60
0.0	0.0	0.0	0.5	4.29
0.0	0.0	0.0	0.0	4.59
0.0	0.0	0.0	0.0	4.29
1.0	1.0	1.6	1.1	4.53
0.9	0.9	0.9	1.9	4.37
0.0	0.0	0.0	0.0	4.48
2.2	2.1	1.6	1.6	4.43
2.2	0.0	1.1	1.0	4.43
0.0	1.0	0.5	1.0	4.48
1.1	1.1	1.6	1.6	4.46
0.0	0.0	0.0	0.0	4.37
1.2	1.1	1.1	1.2	4.29
1.0	1.0	1.1	1.1	4.35
0.0	0.0	0.6	0.5	4.20
0.0	0.0	1.0	1.0	4.57
2.0	2.0	3.1	3.1	4.35

1.1	1.1	1.1	1.1	4.74
1.1	1.0	1.1	0.5	4.67
0.0	0.0	0.6	0.0	4.41
1.1	0.0	0.6	0.0	4.63
0.0	0.0	1.1	1.1	4.46
2.3	2.3	1.1	1.1	4.68
1.0	1.0	0.5	0.5	4.19
0.0	0.0	0.0	0.0	4.23
1.1	1.1	0.6	0.6	4.20
0.0	0.0	0.5	0.5	4.48
1.1	1.1	0.6	0.6	4.46
0.0	0.0	0.6	0.0	4.49
0.0	0.0	0.0	0.0	3.97
1.1	1.1	0.6	0.6	4.31

MeanV_5_10_	MeanV_10_15_	MeanV_15_20_	MeanV_20_25_	MeanV_25_30_
5.85	6.33	6.85	6.90	6.90
5.88	6.50	6.72	6.85	6.90
6.37	7.30	7.52	7.75	7.75
6.10	6.72	6.94	7.20	7.20
6.03	6.76	7.04	7.25	7.35
5.72	6.33	6.45	6.76	6.58
6.25	6.95	7.09	7.36	7.20
6.21	7.04	7.25	7.46	7.30
6.02	6.81	6.95	7.20	6.99
6.14	6.90	7.20	7.41	7.35
6.14	6.90	6.90	7.04	7.04
5.56	6.25	6.29	6.45	6.45
5.59	6.29	6.37	6.50	6.41
5.82	6.54	6.72	6.81	6.85
6.02	6.81	6.99	7.09	7.14
6.06	6.85	6.90	7.14	7.14
5.89	6.33	6.67	6.72	6.72
6.14	6.67	6.95	7.04	6.94
5.78	6.25	6.58	6.67	6.72
5.53	6.06	6.37	6.49	6.37
5.62	6.17	6.58	6.49	6.49
5.53	6.10	6.49	6.58	6.54
5.43	5.92	6.14	6.25	6.21
6.02	6.63	6.94	7.09	6.99
5.78	6.29	6.63	6.72	6.63
6.10	6.90	7.09	7.35	7.30
5.85	6.45	6.85	6.94	6.95
5.43	6.03	6.33	6.33	6.25
5.46	5.99	6.21	6.33	6.18
5.59	6.06	6.41	6.41	6.45
6.25	7.04	7.30	7.52	7.64
6.50	7.35	7.64	7.94	7.94
6.21	6.99	7.25	7.41	7.46
6.33	6.58	7.14	7.35	7.46
6.25	6.58	7.04	7.04	6.94
6.06	6.67	7.09	7.25	7.25
5.95	6.46	6.85	6.81	6.90
5.99	6.63	6.81	6.94	6.85
6.29	6.85	7.14	7.09	7.25
6.14	6.99	7.30	7.69	7.58
6.14	6.72	6.90	7.09	6.99
6.41	6.90	7.30	7.52	7.47
6.50	7.20	7.70	7.94	7.94
6.90	7.20	7.81	8.00	7.88
5.99	6.85	6.99	7.30	7.10
6.02	6.81	6.99	7.35	7.30
6.41	7.14	7.52	7.69	7.58
6.37	7.10	7.36	7.36	7.10

6.49	7.15	7.58	7.69	7.70
6.58	7.14	7.58	7.58	7.64
6.17	6.85	7.20	7.46	7.58
6.29	7.36	7.30	7.69	7.69
6.41	7.20	7.41	7.47	7.58
6.49	7.25	7.58	7.94	8.07
5.51	6.45	6.81	6.99	6.94
5.65	6.54	6.72	6.94	6.85
6.10	6.90	7.20	7.35	7.41
6.41	7.20	7.35	7.69	7.52
6.33	7.04	7.25	7.52	7.46
6.29	7.14	7.46	7.58	7.81
5.57	6.42	6.54	6.54	6.37
6.33	6.94	7.35	7.46	7.52

MeanV_30_35_	MeanV_35_40_	Mean_Velocity_5m_Perc	Mean_Velocity_10m_Perc	Mean_Velocity_15m_Perc
7.09	6.95	53.2	82.5	89.3
6.76	6.67	62.0	85.2	94.2
7.88	7.75	53.2	80.8	92.6
7.00	6.99	60.6	84.1	92.7
7.25	7.25	55.8	82.0	92.0
6.63	6.49	58.1	84.6	93.6
7.41	7.20	59.2	84.3	93.8
7.30	6.99	61.8	83.2	94.4
7.14	6.90	59.9	83.6	94.6
7.52	7.35	52.4	81.6	91.8
6.90	6.85	61.5	87.2	98.0
6.29	6.10	62.8	86.2	96.9
6.25	5.99	61.5	86.0	96.8
6.81	6.85	63.6	84.3	94.8
6.90	6.72	58.7	84.3	95.4
6.99	6.90	59.4	84.9	95.9
6.63	6.29	61.4	87.1	93.6
6.90	6.76	60.5	87.2	94.7
6.63	6.58	55.5	86.0	93.0
6.41	6.33	60.1	85.2	93.4
6.41	6.02	60.8	85.4	93.8
6.67	6.54	56.7	82.9	91.5
6.14	5.78	64.3	86.9	94.7
7.09	6.67	63.2	84.9	93.5
6.67	6.26	61.8	86.0	93.6
7.30	7.10	59.2	83.0	93.9
6.99	6.81	61.5	83.7	92.3
6.33	5.92	60.9	85.2	94.7
6.06	5.56	59.7	86.3	94.6
6.50	6.37	62.6	86.0	93.2
7.58	7.58	56.2	81.2	91.4
8.06	8.00	57.1	80.6	91.2
7.41	7.46	57.5	83.2	93.7
7.41	7.36	61.5	84.9	88.2
6.94	6.85	60.9	88.8	93.5
7.30	7.25	62.1	83.0	91.4
6.85	6.90	63.3	86.2	93.6
6.90	6.72	64.6	86.3	95.5
7.31	6.76	59.3	84.2	91.7
7.75	7.88	55.8	77.3	88.0
6.99	7.09	62.7	86.0	94.1
7.35	7.52	59.3	85.2	91.8
7.88	7.88	55.0	81.9	90.7
8.13	7.88	52.8	84.9	88.6
7.20	6.99	59.6	82.1	93.8
7.46	7.30	56.3	80.7	91.3
7.69	7.41	59.4	83.4	92.8
6.95	6.39	59.1	86.5	96.5

7.75	7.52	61.2	83.7	92.3
7.75	7.64	60.3	84.9	92.1
7.52	7.58	58.2	81.4	90.4
7.69	7.75	59.7	81.2	95.0
7.46	7.41	58.8	84.6	95.0
8.00	8.00	58.0	80.4	89.8
6.90	6.90	59.9	78.8	92.3
6.59	6.58	61.0	81.4	94.2
7.41	7.35	56.7	82.3	93.1
7.64	7.41	58.3	83.4	93.6
7.46	7.25	59.3	84.2	93.6
7.75	7.69	57.5	80.5	91.4
6.29	6.25	60.3	84.7	97.6
7.52	7.46	57.3	84.2	92.3

Mean_Velocity_20m_ Perc	Mean_Velocity_25m_ Perc	Mean_Velocity_30m_ Perc	Mean_Velocity_35m_ Perc	Mean_Velocity_40m_ Perc
96.6	97.3	97.3	100.0	98.0
97.4	99.3	100.0	98.0	96.7
95.4	98.4	98.4	100.0	98.4
95.7	99.3	99.3	96.6	96.4
95.8	98.6	100.0	98.6	98.6
95.4	100.0	97.3	98.1	96.0
95.7	99.3	97.2	100.0	97.2
97.2	100.0	97.9	97.9	93.7
96.5	100.0	97.1	99.2	95.8
95.7	98.5	97.7	100.0	97.7
98.0	100.0	100.0	98.0	97.3
97.5	100.0	100.0	97.5	94.6
98.0	100.0	98.6	96.2	92.2
97.4	98.7	99.3	98.7	99.3
97.9	99.3	100.0	96.6	94.1
96.6	100.0	100.0	97.9	96.6
98.7	99.4	99.4	98.1	93.0
98.7	100.0	98.6	98.0	96.0
97.9	99.3	100.0	98.7	97.9
98.2	100.0	98.2	98.8	97.5
100.0	98.6	98.6	97.4	91.5
97.3	98.7	98.1	100.0	98.1
98.2	100.0	99.4	98.2	92.5
97.9	100.0	98.6	100.0	94.1
98.7	100.0	98.7	99.3	93.2
96.5	100.0	99.3	99.3	96.6
98.0	99.3	99.4	100.0	97.4
99.4	99.4	98.1	99.4	92.9
98.1	100.0	97.6	95.7	87.8
98.6	98.6	99.2	100.0	98.0
94.8	97.7	99.2	98.4	98.4
94.8	98.5	98.5	100.0	99.3
97.2	99.3	100.0	99.3	100.0
95.7	98.5	100.0	99.3	98.7
100.0	100.0	98.6	98.6	97.3
97.1	99.3	99.3	100.0	99.3
99.3	98.7	100.0	99.3	100.0
98.1	100.0	98.7	99.4	96.8
95.6	94.9	97.1	97.9	90.5
91.9	96.9	95.5	97.6	99.2
96.6	99.3	97.9	97.9	99.3
97.1	100.0	99.3	97.7	100.0
97.0	100.0	100.0	99.2	99.2
96.1	98.4	96.9	100.0	96.9
95.8	100.0	97.3	98.6	95.8
93.7	98.5	97.9	100.0	97.9
97.8	100.0	98.6	100.0	96.4
100.0	100.0	96.5	94.4	86.8

97.8	99.2	99.4	100.0	97.0
97.8	97.8	98.6	100.0	98.6
95.0	98.4	100.0	99.2	100.0
94.2	99.2	99.2	99.2	100.0
97.8	98.5	100.0	98.4	97.8
93.9	98.4	100.0	99.1	99.1
97.4	100.0	99.3	98.7	98.7
96.8	100.0	98.7	95.0	94.8
97.2	99.2	100.0	100.0	99.2
95.6	100.0	97.8	99.3	96.4
96.4	100.0	99.2	99.2	96.4
95.5	97.1	100.0	99.2	98.5
99.4	99.4	96.8	95.6	95.0
97.7	99.2	100.0	100.0	99.2