

Proposed Solar Farm

Chalgrave Manor Farm, Toddington

Vehicle Speed Assessment

December 2014

CB/14/01480

12.12.14

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A	Vehicle speed data
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2.4 The speed data collected is detailed in Appendix A and summarised in Table 1:

ATC location	Average daily 85 th percentile speed	
	Southbound	Northbound
N	45.9	45.0
C	43.0	43.6
S	46.6	48.9

2.5 This shows that the average daily 85th percentile speed at all locations and in both directions is less than 50mph which requires a SSD of less than 160m. The proposed access to the solar farm will be some 180m north of the existing field-gate which will provide a visibility splay of 160m in both directions across land in the ownership of the applicant (Fig2):

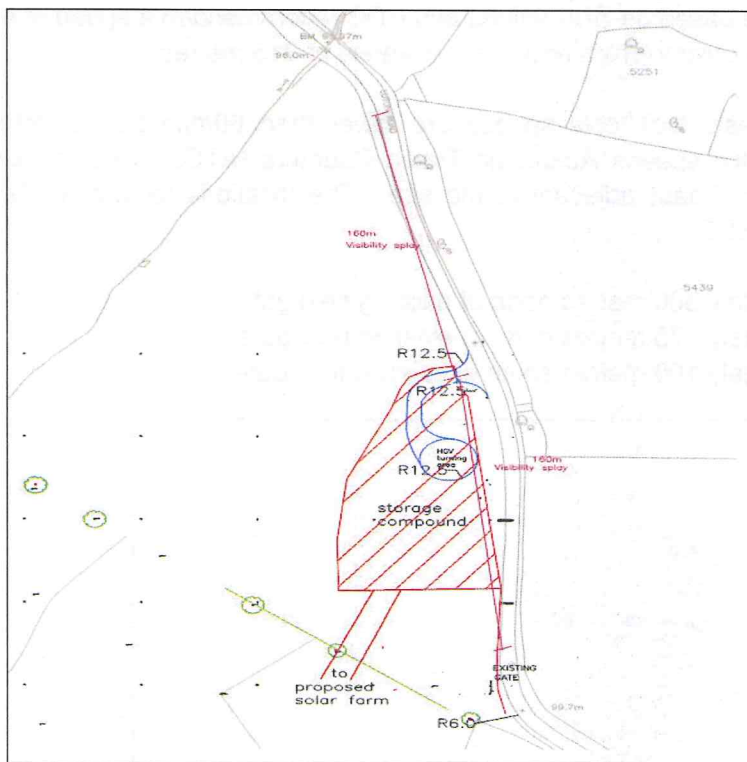


Fig 2 160metre visibility splays from proposed access to solar farm

3 Summary

3.1 The access to the proposed solar farm will be designed and constructed to appropriate Highway Standards and will have visibility splays of 160 metres in both directions. This is suitable for an 85th percentile speed of 50mph. Data collected at the three ATC locations shows that the average daily value is significantly less than 50mph. It can be concluded that the proposed location of the access will meet local highway design and safety standards.

1 Introduction

1.1 An application for a solar farm at Chalgrave Manor Farm has been submitted to the Local Planning Authority. Following discussions with Highways Development Control (HDC) vehicular speed measurements were carried out in December 2014 on Route B579 (Luton Road) to determine the 85th percentile speed and the appropriate stopping site distance.

2 Vehicle speeds

2.1 HDC was concerned about the stopping sight distance (SSD) available on Route B579 (Luton Road) near to the proposed access to the solar farm. The SSD is defined as the minimum distance that drivers need to be able to see ahead in order to stop if confronted by a hazard.

2.2 Visibility splays are based on SSD values and HDC recommended a speed of 60mph for this section of highway which requires a distance of 215 metres.

2.3 Observation suggests that local speeds are lower than 60mph but to determine actual 85th percentile speeds Automatic Traffic Counters (ATCs) were installed on Route B579 (Luton Road) adjacent to the site. The locations for the ATC's were recommended by HDC:

- N – approximately 300 metres north of existing field gate
- C – approximately 75 metres north of existing field gate
- S - approximately 100 metres south of existing field gate



Fig 1 Location of traffic counters

Appendix A Vehicle speed data

Site No: 04121404 Site Reference: 04121404
 B579 Luton Road, Chalgrave (N)

Thu 04-Dec-14

Channel: Northbound

Time Begin	Total Vol.	85th %ile	Mean Ave.	Std. Dev.	Bin 1 <16Mph	Bin 2 16-<21	Bin 3 21-<26	Bin 4 26-<31
00:00	-	-	-	-	-	-	-	-
01:00	-	-	-	-	-	-	-	-
02:00	-	-	-	-	-	-	-	-
03:00	-	-	-	-	-	-	-	-
04:00	-	-	-	-	-	-	-	-
05:00	-	-	-	-	-	-	-	-
06:00	-	-	-	-	-	-	-	-
07:00	-	-	-	-	-	-	-	-
08:00	-	-	-	-	-	-	-	-
09:00	-	-	-	-	-	-	-	-
10:00	-	-	-	-	-	-	-	-
11:00	-	-	-	-	-	-	-	-
12:00	220	45.7	39.8	6.2	0	0	2	17
13:00	202	45.2	39.7	6.7	0	0	0	13
14:00	273	44.8	39.4	5.7	0	0	1	11
15:00	316	44.3	39.2	4.9	0	0	5	5
16:00	354	43.3	37.6	7.7	3	3	13	15
17:00	365	43	37.8	5.4	0	0	3	29
18:00	273	44.2	38.8	5.2	0	0	0	9
19:00	174	44.8	39.2	5.5	0	0	0	7
20:00	108	48.4	41.6	6.6	0	0	0	3
21:00	89	48.5	41.4	6.6	0	0	0	5
22:00	50	48.3	42.1	6.1	0	0	0	1
23:00	29	49.2	43	7.8	0	0	0	0

12H,7-19	-	-	-	-	-	-	-	-
16H,6-22	-	-	-	-	-	-	-	-
18H,6-24	-	-	-	-	-	-	-	-
24H,0-24	-	-	-	-	-	-	-	-

Am	-	-	-	-	-	-	-	-
Peak	-	-	-	-	-	-	-	-

Pm	16:15	22:45	22:45	22:30	16:00	16:00	15:30	16:45
Peak	367	49.5	43.1	8.1	3	3	15	34

Collated from 15 minui

Created at 11:43:52 on 11 Dec 2014

Site No: 04121404 Site Reference: 04121404
 B579 Luton Road, Chalgrave (N)

Fri 05-Dec-14

Channel: Northbound

Time Begin	Total Vol.	85th %ile	Mean Ave.	Std. Dev.	Bin 1 <16Mph	Bin 2 16-<21	Bin 3 21-<26	Bin 4 26-<31
00:00	27	49.2	44.2	5.5	0	0	0	0
01:00	12	40.3	39.3	2.4	0	0	0	0
02:00	15	48.8	43.2	7.1	0	0	0	0
03:00	20	52.9	44.3	7.4	0	0	0	0
04:00	40	49.8	42.4	6.8	0	0	0	3

05:00	83	47.4	41.2	6.4	0	0	0	5
06:00	189	47.2	41.8	5.5	0	0	0	2
07:00	398	44.7	39.7	5.8	0	0	0	17
08:00	386	45.1	39.7	7.3	0	0	1	18
09:00	209	44.8	39.1	5.4	0	0	2	5
10:00	223	44.7	40	5	0	0	0	5
11:00	216	45.5	39.4	6.6	0	0	3	16
12:00	227	44.5	39.6	5.3	0	0	0	1
13:00	285	44.9	39.3	7	0	0	8	16
14:00	280	46.3	41	5.7	0	0	0	10
15:00	328	45.7	40.4	6.4	0	0	6	8
16:00	345	44.9	39.5	6.5	0	0	6	12
17:00	334	44.3	39.2	6.1	0	0	7	6
18:00	266	45.3	40.2	5.1	0	0	0	0
19:00	174	46.7	41.3	6.8	0	0	0	7
20:00	96	49.4	43.6	6.6	0	0	0	0
21:00	74	48.5	42.2	5.7	0	0	0	0
22:00	60	45.2	39.2	7	0	0	3	5
23:00	33	49.6	44.1	5.5	0	0	0	0

12H,7-19	3497	45.1	39.8	6.1	0	0	33	114
16H,6-22	4030	45.4	40	6.2	0	0	33	123
18H,6-24	4123	45.4	40.1	6.2	0	0	36	128
24H,0-24	4320	45.5	40.2	6.2	0	0	36	136

Am	07:30	-	02:45	02:45	-	-	11:00	07:30
Peak	467	-	45.3	8.3	-	-	3	29
Pm	16:30	20:30	23:00	22:30	-	-	13:00	15:45
Peak	362	49.8	44.1	7.6	-	-	8	16

Collated from 15 minutes

Created at 11:43:52 on 11 Dec 2014

Site No: 04121404 Site Reference: 04121404

B579 Luton Road, Chalgrave (N)

Sat 06-Dec-14

Channel: Northbound

Time	Total	85th	Mean	Std.	Bin 1	Bin 2	Bin 3	Bin 4
Begin	Vol.	%ile	Ave.	Dev.	<16Mph	16-<21	21-<26	26-<31
00:00	36	46.8	41.4	5	0	0	0	1
01:00	14	44	39.2	4.9	0	0	0	0
02:00	15	49.8	43.5	7.7	0	0	0	1
03:00	15	49.1	41.5	7.1	0	0	0	1
04:00	21	46.6	42.1	5.2	0	0	0	0
05:00	39	48.2	39.7	7.8	0	0	1	3
06:00	69	46.1	40	6.4	0	0	0	5
07:00	94	45	39.5	5.1	0	0	0	1
08:00	173	44.9	39.8	5.5	0	1	0	4
09:00	211	44.2	39.4	4.7	0	0	0	6
10:00	220	45.2	40.4	5	0	0	0	5
11:00	230	45.7	40.8	6.2	0	4	1	0
12:00	289	45	40.6	4.7	0	0	0	0
13:00	262	45.9	42.1	5.7	0	0	0	2
14:00	230	47.7	42.7	6.2	0	0	0	0
15:00	226	46.1	41.2	5.1	0	0	0	0

16:00	201	44.8	39.6	5.4	0	0	0	3
17:00	186	45.5	40.6	6.1	0	0	0	4
18:00	185	44.5	39.4	5.2	0	0	0	1
19:00	135	44.3	39.5	4.8	0	0	0	2
20:00	83	46	41.2	5.5	0	0	0	3
21:00	60	48.5	42.3	6.2	0	0	0	1
22:00	56	45.7	40.9	5.6	0	0	0	3
23:00	48	45.8	41.4	5.8	0	0	0	1

12H,7-19	2507	45.5	40.6	5.5	0	5	1	26
16H,6-22	2854	45.5	40.6	5.5	0	5	1	37
18H,6-24	2958	45.5	40.6	5.5	0	5	1	41
24H,0-24	3098	45.6	40.7	5.6	0	5	2	47

Am	10:30	02:15	02:00	02:15	-	11:00	11:00	08:45
Peak	235	51.6	43.5	8.1	-	4	1	7

Pm	12:00	21:30	13:45	13:30	-	-	-	16:15
Peak	289	48.6	43.4	7	-	-	-	7

Collated from 15 minutes

Created at 11:43:52 on 11 Dec 2014

Site No: 04121404 Site Reference: 04121404
B579 Luton Road, Chalgrave (N)

Sun 07-Dec-14

Channel: Northbound

Time	Total	85th	Mean	Std.	Bin 1	Bin 2	Bin 3	Bin 4
Begin	Vol.	%ile	Ave.	Dev.	<16Mph	16-<21	21-<26	26-<31
00:00	28	50.1	43	8	0	0	0	2
01:00	25	47.8	41.3	6.9	0	0	0	1
02:00	18	45.7	38.5	6.1	0	0	0	1
03:00	11	45.6	40.3	5.8	0	0	0	0
04:00	12	45.3	43.5	9.4	0	0	0	1
05:00	26	45.5	42	4.2	0	0	0	0
06:00	51	49.3	42.8	5.9	0	0	0	0
07:00	58	47.9	41.6	7.1	0	2	0	1
08:00	85	49.6	43.6	5.5	0	0	0	0
09:00	161	47.3	41.8	6.1	0	0	0	4
10:00	216	45.6	41.2	5	0	0	0	0
11:00	197	46.2	41.5	4.6	0	0	0	0
12:00	223	46	41.4	5.2	0	0	0	0
13:00	220	45.4	40.7	5.3	0	0	0	0
14:00	200	45.9	41.5	4.8	0	0	0	0
15:00	174	46.7	42.3	4.5	0	0	0	0
16:00	137	45.5	40.7	5.8	0	0	0	1
17:00	154	46.4	41.1	6.3	0	0	0	9
18:00	158	47.3	41.5	6.1	0	0	0	5
19:00	75	48.6	43.2	6.8	0	0	0	1
20:00	55	48.2	42.2	5.7	0	0	0	0
21:00	56	50.7	44	7	0	0	0	1
22:00	33	50.1	44.4	6.5	0	0	0	0
23:00	24	49.1	43.1	6.4	0	0	0	0

12H,7-19	1983	46.5	41.5	5.4	0	2	0	20
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16H,6-22	2220	47	41.6	5.6	0	2	0	22
18H,6-24	2277	47.1	41.7	5.6	0	2	0	22
24H,0-24	2397	47.1	41.7	5.7	0	2	0	27

Am	10:15	-	07:45	03:30	-	07:15	-	09:00
Peak	228	-	44.8	10.7	-	2	-	4

Pm	12:30	21:30	21:30	21:30	-	-	-	17:30
Peak	236	53.3	45.7	7.2	-	-	-	9

Collated from 15 minutes

Created at 11:43:52 on 11 Dec 2014

Site No: 04121404 Site Reference: 04121404
B579 Luton Road, Chalgrave (N)

Mon 08-Dec-14

Channel: Northbound

Time	Total	85th	Mean	Std.	Bin 1	Bin 2	Bin 3	Bin 4
Begin	Vol.	%ile	Ave.	Dev.	<16Mph	16-<21	21-<26	26-<31
00:00	13	47.4	42.3	6	0	0	0	0
01:00	10	49.3	46	7.3	0	0	0	0
02:00	12	50.3	43.9	5.2	0	0	0	0
03:00	10	52.7	45	7.2	0	0	0	0
04:00	33	50.4	43.8	6.5	0	0	0	1
05:00	72	49.4	43.7	6.1	0	0	0	0
06:00	177	48	41.8	5.9	0	0	0	8
07:00	408	43.9	39.5	6.5	0	0	0	13
08:00	341	45	39.5	5.6	0	0	3	12
09:00	236	44.6	39	5.1	0	0	1	7
10:00	236	43.9	38.6	5	0	0	0	9
11:00	223	45.2	39.8	5.8	0	0	0	11
12:00	199	46.1	40.9	5.7	0	0	0	3
13:00	220	47.8	41.4	6.2	0	0	0	6
14:00	218	45.3	40	5.4	0	0	0	1
15:00	276	46.3	41.4	6.1	0	0	0	5
16:00	363	44.4	38	6.6	0	8	8	28
17:00	368	45.2	40	6.3	0	0	0	12
18:00	221	46.7	41.6	5.4	0	0	0	10
19:00	168	47.4	41.8	5.9	0	0	0	6
20:00	111	46.4	41	5.6	0	0	0	0
21:00	76	48.1	41.3	6	0	0	0	2
22:00	52	49.7	41.7	8.1	0	0	0	5
23:00	20	45.2	38.3	5.7	0	0	0	0

12H,7-19	3309	45.3	39.9	6	0	8	12	117
16H,6-22	3841	45.5	40.1	6	0	8	12	133
18H,6-24	3913	45.6	40.1	6.1	0	8	12	138
24H,0-24	4063	45.7	40.2	6.1	0	8	12	139

Am	07:15	-	01:00	03:30	-	-	08:15	06:45
Peak	435	-	46	8.4	-	-	3	18

Pm	16:30	22:00	20:45	22:00	-	16:00	16:15	16:00
Peak	390	49.7	43.1	8.1	-	8	8	28

Collated from 15 minutes

Created at 11:43:52 on 11 Dec 2014

Site No: 04121404 Site Reference: 04121404
 B579 Luton Road, Chalgrave (N)

Tue 09-Dec-14

Channel: Northbound

Time Begin	Total Vol.	85th %ile	Mean Ave.	Std. Dev.	Bin 1 <16Mph	Bin 2 16-<21	Bin 3 21-<26	Bin 4 26-<31
00:00	20	50.2	45.8	5.2	0	0	0	0
01:00	7	-	43.5	5.2	0	0	0	0
02:00	12	44.5	41.8	7	0	0	0	0
03:00	19	48.7	41.9	6.4	0	0	0	0
04:00	18	48	43.5	6.8	0	0	0	0
05:00	78	45.9	40	6.2	0	0	0	7
06:00	197	44.8	39.7	5.3	0	0	0	13
07:00	424	41	37.2	6.2	0	2	1	27
08:00	356	43.1	37.9	5.7	0	0	3	12
09:00	263	43.5	38.3	4.9	0	0	0	14
10:00	214	44.7	39.1	5.5	1	0	1	4
11:00	210	44.5	39.7	5.5	0	0	0	4
12:00	203	45	39.8	5.9	0	0	1	15
13:00	214	45.4	38.2	7.8	0	3	9	23
14:00	240	45.7	39.9	6.3	0	1	2	14
15:00	295	45.9	40.9	6	0	0	0	15
16:00	370	44.3	38.6	6.2	0	0	3	23
17:00	313	43.7	38.6	7.2	1	0	1	23
18:00	245	46.7	40.6	7.5	0	0	1	13
19:00	154	46.9	40.9	6	0	0	1	2
20:00	93	46.6	41	5.8	0	0	0	2
21:00	71	45.5	40.3	5.3	0	0	0	1
22:00	69	47.2	41.7	6.4	0	0	0	1
23:00	19	45.4	41.9	4.3	0	0	0	0

12H,7-19	3347	44.6	38.9	6.3	2	6	22	187
16H,6-22	3862	44.7	39.1	6.3	2	6	23	205
18H,6-24	3950	44.8	39.2	6.3	2	6	23	206
24H,0-24	4104	44.9	39.3	6.3	2	6	23	213

Am	07:15	-	00:00	03:15	10:45	07:15	08:30	07:15
Peak	451	-	45.8	7.1	1	2	3	29

Pm	16:15	19:15	22:30	13:15	17:45	13:15	13:00	16:45
Peak	377	48	42.3	7.8	1	4	9	27

Collated from 15 minui

Created at 11:43:52 on 11 Dec 2014

Site No: 04121404 Site Reference: 04121404
 B579 Luton Road, Chalgrave (N)

Wed 10-Dec-14

Channel: Northbound

Time Begin	Total Vol.	85th %ile	Mean Ave.	Std. Dev.	Bin 1 <16Mph	Bin 2 16-<21	Bin 3 21-<26	Bin 4 26-<31
00:00	17	54.3	46.4	7.6	0	0	0	0
01:00	9	-	41.8	3.8	0	0	0	0
02:00	12	44.5	41.8	5.5	0	0	0	0
03:00	15	52.6	43.8	7.8	0	0	0	0

15:00	-	-	-	-	-	-	-	-
16:00	-	-	-	-	-	-	-	-
17:00	-	-	-	-	-	-	-	-
18:00	-	-	-	-	-	-	-	-
19:00	-	-	-	-	-	-	-	-
20:00	-	-	-	-	-	-	-	-
21:00	-	-	-	-	-	-	-	-
22:00	-	-	-	-	-	-	-	-
23:00	-	-	-	-	-	-	-	-
12H,7-19	-	-	-	-	-	-	-	-
16H,6-22	-	-	-	-	-	-	-	-
18H,6-24	-	-	-	-	-	-	-	-
24H,0-24	-	-	-	-	-	-	-	-
Am	-	-	-	-	-	-	-	-
Peak	-	-	-	-	-	-	-	-
Pm	-	-	-	-	-	-	-	-
Peak	-	-	-	-	-	-	-	-

Collated from 15 minutes

Created at 11:43:52 on 11 Dec 2014

Site No: 04121404 Site Reference: 04121404
 B579 Luton Road, Chalgrave (N)

Thu 04-Dec-14

Channel: Southbound

Time Begin	Total Vol.	85th %ile	Mean Ave.	Std. Dev.	Bin 1 <16Mph	Bin 2 16-<21	Bin 3 21-<26	Bin 4 26-<31
00:00	-	-	-	-	-	-	-	-
01:00	-	-	-	-	-	-	-	-
02:00	-	-	-	-	-	-	-	-
03:00	-	-	-	-	-	-	-	-
04:00	-	-	-	-	-	-	-	-
05:00	-	-	-	-	-	-	-	-
06:00	-	-	-	-	-	-	-	-
07:00	-	-	-	-	-	-	-	-
08:00	-	-	-	-	-	-	-	-
09:00	-	-	-	-	-	-	-	-
10:00	-	-	-	-	-	-	-	-
11:00	-	-	-	-	-	-	-	-
12:00	208	45.6	41	5.8	0	0	0	5
13:00	224	45.5	40.2	6.1	0	0	0	4
14:00	250	45.1	40.1	5.2	0	0	2	4
15:00	350	45.3	40.1	6.1	0	0	7	5
16:00	442	41.8	37.1	6.2	1	0	4	45
17:00	481	42.5	37.5	5.4	0	0	1	37
18:00	356	44.7	39.2	5.4	0	0	0	6
19:00	187	44.6	38.3	6.6	0	0	0	27
20:00	151	46.6	39.3	7.1	0	0	0	18
21:00	140	45.5	39.5	6.5	0	0	0	15
22:00	105	47.3	40.8	6.1	0	0	0	2
23:00	75	44.9	39.7	5.1	0	0	0	1

12H,7-19	-	-	-	-	-	-	-	-
16H,6-22	-	-	-	-	-	-	-	-
18H,6-24	-	-	-	-	-	-	-	-
24H,0-24	-	-	-	-	-	-	-	-
Am	-	-	-	-	-	-	-	-
Peak	-	-	-	-	-	-	-	-
Pm	16:30	21:30	21:30	20:00	16:30	-	15:15	16:15
Peak	487	48.3	42.3	7.1	1	-	7	56

Collated from 15 minutes

Created at 11:43:52 on 11 Dec 2014

Site No: 04121404 Site Reference: 04121404
 B579 Luton Road, Chalgrave (N)

Fri 05-Dec-14

Channel: Southbound

Time	Total	85th	Mean	Std.	Bin 1	Bin 2	Bin 3	Bin 4
Begin	Vol.	%ile	Ave.	Dev.	<16Mph	16-<21	21-<26	26-<31
00:00	29	47.9	42.5	6.7	0	0	0	0
01:00	23	49.4	42.6	6.3	0	0	0	0
02:00	11	42.4	37.1	5.7	0	0	0	2
03:00	13	44.9	39.7	5.3	0	0	0	0
04:00	19	45.4	39	5.7	0	0	0	0
05:00	52	47.9	41.1	7.2	0	0	2	2
06:00	160	45.1	39.2	7	2	0	0	9
07:00	429	45	39.9	6	1	0	0	13
08:00	345	44.8	39.5	5.1	0	0	0	11
09:00	218	45.5	39.8	6.5	0	4	3	4
10:00	182	46	40.2	6.5	0	0	0	11
11:00	203	45.3	40.4	6.2	0	0	0	3
12:00	217	46	40	6.6	0	0	0	15
13:00	224	46.1	40.9	5.2	0	0	0	8
14:00	280	45.5	40.8	5.5	0	0	0	0
15:00	336	45.4	40.2	5.5	1	0	0	2
16:00	492	43.6	38.7	4.8	0	1	0	18
17:00	499	43.6	38.2	6.3	0	0	7	36
18:00	301	45.5	40.5	5.9	0	0	0	11
19:00	178	46.4	40.9	7.4	0	3	1	3
20:00	139	45.5	40	5.9	0	0	0	8
21:00	119	47.8	41.4	6.9	0	0	0	2
22:00	121	45.7	40.2	5.4	0	0	0	0
23:00	100	45.3	39.5	6.4	0	0	0	3

12H,7-19	3726	45.1	39.7	5.9	2	5	10	132
16H,6-22	4322	45.2	39.8	6	4	8	11	154
18H,6-24	4543	45.2	39.8	6	4	8	11	157
24H,0-24	4690	45.3	39.8	6	4	8	13	161

Am	07:15	-	00:45	05:45	06:00	09:45	09:30	07:15
Peak	443	-	44.7	8	2	4	3	18

Pm	16:45	20:30	20:30	19:15	15:45	19:45	17:15	17:00
Peak	500	48.5	41.7	7.6	1	3	7	36

Collated from 15 minutes

Created at 11:43:52 on 11 Dec 2014

Site No: 04121404 Site Reference: 04121404
B579 Luton Road, Chalgrave (N)

Sat 06-Dec-14

Channel: Southbound

Time Begin	Total Vol.	85th %ile	Mean Ave.	Std. Dev.	Bin 1 <16Mph	Bin 2 16-<21	Bin 3 21-<26	Bin 4 26-<31
00:00	51	43	38.6	6.8	0	0	1	2
01:00	28	44.6	39.9	4.5	0	0	0	0
02:00	20	42.3	36.5	6.3	0	0	0	4
03:00	13	44.6	40.4	7.3	0	0	0	1
04:00	18	43.7	38.5	5.6	0	0	0	3
05:00	38	45.1	39.4	6	0	0	1	1
06:00	56	44	38.9	5.1	0	0	0	2
07:00	70	44.3	38.7	5.1	0	0	0	2
08:00	91	44.5	39.7	4.5	0	0	0	1
09:00	137	44.8	39.9	4.7	0	0	0	1
10:00	163	44.4	39.8	5.3	0	0	0	3
11:00	208	45.7	40.9	5.4	0	0	0	2
12:00	232	45.4	40.6	6.2	2	2	0	1
13:00	267	46.5	41.9	5.9	0	1	0	0
14:00	280	46.8	41.5	5.7	1	0	0	3
15:00	274	45.7	40.9	4.9	0	0	0	0
16:00	256	43.6	38.4	5	0	0	0	9
17:00	228	44	38.5	5.8	0	0	2	14
18:00	197	45	39.7	5	0	0	0	4
19:00	157	45.4	40.1	5.6	0	0	0	8
20:00	110	44.9	40.1	4.7	0	0	0	1
21:00	113	46.2	40.4	5.7	0	0	0	1
22:00	83	44.6	39.1	5.7	0	0	0	7
23:00	78	45.7	39.9	5.9	0	0	0	3

12H,7-19	2403	45.3	40.2	5.5	3	3	2	40
16H,6-22	2839	45.3	40.2	5.5	3	3	2	52
18H,6-24	3000	45.3	40.2	5.5	3	3	2	62
24H,0-24	3168	45.3	40.1	5.5	3	3	4	73

Am	11:00	02:30	11:00	02:30	-	-	05:15	02:00
Peak	208	47.8	40.9	9	-	-	1	4

Pm	13:15	14:15	12:45	12:15	12:30	12:30	17:30	17:15
Peak	285	47.1	42.3	6.5	2	2	2	16

Collated from 15 minui

Created at 11:43:52 on 11 Dec 2014

Site No: 04121404 Site Reference: 04121404
B579 Luton Road, Chalgrave (N)

Sun 07-Dec-14

Channel: Southbound

Time Begin	Total Vol.	85th %ile	Mean Ave.	Std. Dev.	Bin 1 <16Mph	Bin 2 16-<21	Bin 3 21-<26	Bin 4 26-<31
00:00	42	44.7	39	5.5	0	0	0	2
01:00	30	44.3	38.8	6.3	0	0	1	2
02:00	20	43.9	39.3	4.6	0	0	0	0

03:00	6	-	38.5	6.4	0	0	0	1
04:00	12	47.8	41.8	7.9	0	0	0	1
05:00	18	45.5	40.4	6.8	0	0	0	1
06:00	27	45.7	40.2	6.7	0	0	0	2
07:00	46	45.7	41.9	4.9	0	0	0	1
08:00	56	48.9	43.9	7.8	0	0	0	1
09:00	91	47.1	41.9	6.1	0	0	0	1
10:00	131	45.8	41.1	5.2	0	0	0	3
11:00	178	45.5	41	5.2	1	0	0	0
12:00	195	45.5	40.8	5.5	0	0	0	7
13:00	230	45.1	41	5.1	0	0	0	1
14:00	265	45.6	40.7	4.8	0	0	0	1
15:00	278	46.4	41.2	5.2	0	0	0	0
16:00	228	44.8	39.2	5.6	0	0	5	8
17:00	200	45.1	40.4	5.1	0	0	0	2
18:00	187	44.2	39	5.1	0	0	0	5
19:00	134	46.1	40.6	5.6	0	0	0	1
20:00	87	46.8	40.7	6.7	0	0	0	5
21:00	78	48.6	41.8	7.5	0	0	0	2
22:00	59	45	39.7	5.5	0	0	0	5
23:00	38	47.5	42.1	6.2	0	0	0	0

12H,7-19	2085	45.6	40.7	5.4	1	0	5	30
16H,6-22	2411	45.7	40.7	5.5	1	0	5	40
18H,6-24	2508	45.7	40.7	5.6	1	0	5	45
24H,0-24	2636	45.7	40.6	5.6	1	0	6	52

Am	11:00	-	07:45	08:15	11:00	-	01:00	00:45
Peak	178	-	44.3	8.2	1	-	1	4

Pm	15:00	20:15	20:15	20:30	-	-	16:45	16:30
Peak	278	49.9	42.4	8.3	-	-	5	8

Collated from 15 minut

Created at 11:43:52 on 11 Dec 2014

Site No: 04121404 Site Reference: 04121404
B579 Luton Road, Chalgrave (N)

Mon 08-Dec-14

Channel: Southbound

Time Begin	Total Vol.	85th %ile	Mean Ave.	Std. Dev.	Bin 1 <16Mph	Bin 2 16-<21	Bin 3 21-<26	Bin 4 26-<31
00:00	8	-	44.1	5.1	0	0	0	0
01:00	10	44.8	41.5	3.8	0	0	0	0
02:00	6	-	43.5	8.4	0	0	0	0
03:00	5	-	46.5	3.1	0	0	0	0
04:00	10	47.7	42.5	5.8	0	0	0	0
05:00	54	47.3	42.1	4.7	0	0	0	0
06:00	145	45.6	40.4	5.9	0	0	0	8
07:00	399	43.8	38.5	6.3	3	4	2	11
08:00	362	43.8	38.4	5.4	0	0	9	16
09:00	301	44.9	39.9	5.5	0	0	0	3
10:00	186	46.3	41.2	5.9	0	0	0	4
11:00	200	47.9	41.7	6.3	0	0	0	6
12:00	206	45.9	40.4	5.9	0	0	0	2
13:00	219	46.1	41.3	5.4	0	0	0	4

14:00	234	45.5	39.5	6.7	0	0	5	13
15:00	374	45	39.8	5.9	0	0	0	12
16:00	451	44.3	39	5.6	1	0	2	15
17:00	493	43.7	38.4	5.5	0	0	3	25
18:00	339	45	39.8	5.4	1	0	0	8
19:00	137	47	41	6.2	0	0	0	9
20:00	98	45.9	39.7	6.4	0	0	1	3
21:00	81	48.6	42	6.8	0	0	2	0
22:00	93	48.7	41.2	6.8	0	0	1	2
23:00	44	45.1	39.8	5.9	0	0	0	2

12H,7-19	3764	45	39.5	5.9	5	4	21	119
16H,6-22	4225	45.1	39.7	5.9	5	4	24	139
18H,6-24	4362	45.2	39.7	5.9	5	4	25	143
24H,0-24	4455	45.3	39.8	5.9	5	4	25	143

Am	07:00	-	02:45	02:00	07:30	07:30	07:30	07:45
Peak	399	-	46.5	8.4	3	4	10	19
Pm	16:45	21:15	20:45	21:30	18:15	-	16:30	16:45
Peak	512	48.9	42.2	7.3	1	-	5	27

Collated from 15 minutes

Created at 11:43:52 on 11 Dec 2014

Site No: 04121404 Site Reference: 04121404
B579 Luton Road, Chalgrave (N)

Tue 09-Dec-14

Channel: Southbound

Time Begin	Total Vol.	85th %ile	Mean Ave.	Std. Dev.	Bin 1 <16Mph	Bin 2 16-<21	Bin 3 21-<26	Bin 4 26-<31
00:00	16	48.1	40.7	6.7	0	0	0	1
01:00	14	46.7	38.1	7.3	0	0	0	3
02:00	11	42.4	37.1	5.7	0	0	0	2
03:00	8	-	39.1	5.8	0	0	0	0
04:00	16	46.2	38.8	8	0	0	1	2
05:00	55	45	40.3	5.1	0	0	0	3
06:00	145	44.5	39.9	5.4	0	0	1	3
07:00	438	40.3	35.6	6.9	1	7	10	51
08:00	382	42.7	37.8	6.1	0	0	6	13
09:00	258	44.5	39.3	5.2	0	0	0	11
10:00	171	45.4	39.8	5.8	1	0	2	5
11:00	191	45.4	40.2	5.7	0	0	0	10
12:00	234	44.9	39.3	5.3	0	0	0	6
13:00	208	45.6	40.4	6.3	0	3	1	3
14:00	263	44.5	38.6	7.2	1	8	2	5
15:00	330	44.5	38.6	6.8	1	2	9	26
16:00	508	40.9	36.3	5.5	0	2	8	50
17:00	695	40.3	35.3	7.3	19	6	18	68
18:00	448	40.6	34.2	7.9	24	3	20	66
19:00	184	44.4	38.6	5.8	0	0	0	14
20:00	101	45.5	39.5	6.3	0	0	1	6
21:00	97	44.3	38.6	5.9	0	0	0	6
22:00	70	44.7	39.6	5.4	0	0	0	1
23:00	41	46.3	40.7	5.6	0	0	0	0

12H,7-19	4126	43.2	37.2	6.9	47	31	76	314
16H,6-22	4653	43.4	37.4	6.8	47	31	78	343
18H,6-24	4764	43.5	37.5	6.8	47	31	78	344
24H,0-24	4884	43.6	37.5	6.8	47	31	79	355

Am	07:30	-	05:30	01:30	10:30	07:30	07:30	07:00
Peak	449	-	40.9	8.5	1	7	16	51

Pm	16:45	23:00	23:00	17:15	17:30	13:30	17:30	17:30
Peak	704	46.3	40.7	8.5	43	11	36	91

Collated from 15 minutes

Created at 11:43:52 on 11 Dec 2014

Site No: 04121404 Site Reference: 04121404
B579 Luton Road, Chalgrave (N)

Wed 10-Dec-14

Channel: Southbound

Time	Total	85th	Mean	Std.	Bin 1	Bin 2	Bin 3	Bin 4
Begin	Vol.	%ile	Ave.	Dev.	<16Mph	16-<21	21-<26	26-<31
00:00	17	43.4	38.5	6.3	0	0	0	2
01:00	14	44.7	40.6	4.5	0	0	0	0
02:00	12	47.8	39.8	7.8	0	0	0	2
03:00	8	-	39.1	6.3	0	0	0	1
04:00	17	49.7	43.2	7.5	0	0	0	1
05:00	59	49	41.6	6.9	0	0	0	2
06:00	164	45.2	39.1	6.2	0	0	4	12
07:00	521	44	37.8	6.8	6	12	6	27
08:00	391	45.2	40.1	6.6	0	0	5	12
09:00	236	45.9	40.1	6.3	1	0	0	12
10:00	156	46.8	40.5	7.5	1	0	0	9
11:00	177	44.8	40.3	4.8	0	0	0	1
12:00	201	47.1	40.7	5.9	0	0	0	7
13:00	211	45.5	39.8	6.5	0	0	5	10
14:00	259	45	40.1	5.9	0	0	0	6
15:00	339	44.2	38.5	5.6	0	1	2	21
16:00	426	42.9	38.2	5.2	0	0	0	10
17:00	499	43.5	38.2	6.3	0	0	10	23
18:00	343	43.9	38.9	4.9	0	0	0	17
19:00	193	44.9	39.7	6.1	0	0	0	6
20:00	108	47.9	41.3	6.1	0	0	0	3
21:00	90	48	41.2	7.2	0	0	0	4
22:00	102	45.6	39.6	6.7	0	0	0	6
23:00	56	45	39.7	6	0	0	0	1

12H,7-19	3759	44.7	39.1	6.2	8	13	28	155
16H,6-22	4314	44.9	39.2	6.2	8	13	32	180
18H,6-24	4472	44.9	39.2	6.2	8	13	32	187
24H,0-24	4599	45	39.3	6.2	8	13	32	195

Am	07:15	-	03:30	01:15	07:30	07:30	06:45	07:00
Peak	523	-	43.5	8.1	6	12	8	27

Pm	17:00	20:45	20:45	20:45	-	15:30	17:45	17:30
Peak	499	48.5	41.5	7.6	-	1	10	30

Collated from 15 minutes

Created at 11:43:52 on 11 Dec 2014

Site No: 04121404 Site Reference: 04121404
B579 Luton Road, Chalgrave (N)

Thu 11-Dec-14

Channel: Southbound

Time Begin	Total Vol.	85th %ile	Mean Ave.	Std. Dev.	Bin 1 <16Mph	Bin 2 16-<21	Bin 3 21-<26	Bin 4 26-<31
00:00	20	47.3	41.3	6.5	0	0	0	1
01:00	19	44.3	41.9	5.5	0	0	0	0
02:00	16	44.5	37.6	7.2	0	0	0	2
03:00	8	-	41.6	3	0	0	0	0
04:00	21	48.4	41.1	6.8	0	0	0	1
05:00	53	48.1	41.8	7.8	0	0	0	2
06:00	166	46.6	41.6	6.8	0	0	0	7
07:00	444	44.2	38.2	6.6	4	1	4	24
08:00	375	45.1	39.6	6.1	0	0	0	27
09:00	258	44.7	39.5	6.4	0	0	2	13
10:00	-	-	-	-	-	-	-	-
11:00	-	-	-	-	-	-	-	-
12:00	-	-	-	-	-	-	-	-
13:00	-	-	-	-	-	-	-	-
14:00	-	-	-	-	-	-	-	-
15:00	-	-	-	-	-	-	-	-
16:00	-	-	-	-	-	-	-	-
17:00	-	-	-	-	-	-	-	-
18:00	-	-	-	-	-	-	-	-
19:00	-	-	-	-	-	-	-	-
20:00	-	-	-	-	-	-	-	-
21:00	-	-	-	-	-	-	-	-
22:00	-	-	-	-	-	-	-	-
23:00	-	-	-	-	-	-	-	-
12H,7-19	-	-	-	-	-	-	-	-
16H,6-22	-	-	-	-	-	-	-	-
18H,6-24	-	-	-	-	-	-	-	-
24H,0-24	-	-	-	-	-	-	-	-
Am	-	-	-	-	-	-	-	-
Peak	-	-	-	-	-	-	-	-
Pm	-	-	-	-	-	-	-	-
Peak	-	-	-	-	-	-	-	-

Collated from 15 minutes

Created at 11:43:52 on 11 Dec 2014

9	27	26	11	4	1	0	0	0
19	67	65	30	4	1	1	0	0
59	190	96	30	2	1	0	0	3
88	146	91	29	2	3	1	0	7
54	75	54	17	2	0	0	0	0
30	108	62	11	7	0	0	0	0
37	79	54	21	4	1	0	0	1
48	108	51	16	1	0	1	0	1
46	118	69	19	5	1	0	0	3
30	108	87	38	4	2	1	0	0
38	146	85	37	5	0	0	0	3
66	137	93	23	4	0	0	2	2
68	149	81	17	3	0	0	0	3
56	98	84	21	7	0	0	0	0
20	65	53	18	8	1	0	0	2
8	28	31	21	2	4	2	0	0
8	27	20	15	3	1	0	0	0
5	25	15	5	1	1	0	0	0
2	8	9	12	2	0	0	0	0

620	1462	907	279	46	8	3	2	23
675	1649	1076	363	63	15	6	2	25
682	1682	1100	380	66	16	6	2	25
697	1750	1157	411	80	20	6	2	25
07:30	07:15	07:30	07:30	09:45	08:00	08:15	-	08:00
97	195	116	33	9	3	1	-	7
16:30	15:15	15:45	14:30	19:00	20:15	20:00	16:30	17:15
85	158	101	38	8	4	2	2	3

Bin 5	Bin 6	Bin 7	Bin 8	Bin 9	Bin 10	Bin 11	Bin 12	Bin 13
31-<36	36-<41	41-<46	46-<51	51-<56	56-<61	61-<66	66-<71	=>71
2	15	11	7	0	0	0	0	0
4	5	4	1	0	0	0	0	0
1	3	5	3	1	1	0	0	0
1	7	2	2	2	0	0	0	0
2	7	8	3	1	0	0	0	0
8	14	4	6	2	1	0	0	0
13	21	19	8	3	0	0	0	0
22	39	22	9	1	0	0	0	0
26	81	44	13	2	2	0	0	0
32	104	58	7	4	0	0	0	0
25	101	66	18	5	0	0	0	0
20	105	69	25	3	1	1	0	1
26	153	82	25	2	0	0	0	1
18	90	115	31	2	0	1	0	3
17	75	91	35	7	1	1	0	3
29	87	75	29	5	1	0	0	0

42	87	51	16	1	0	0	0	1
26	82	51	16	3	2	1	0	1
45	82	41	11	4	1	0	0	0
25	62	38	6	1	1	0	0	0
6	35	26	9	4	0	0	0	0
4	25	16	9	4	0	1	0	0
2	27	16	5	3	0	0	0	0
5	18	17	4	2	1	0	0	0
328	1086	765	235	39	8	4	0	10
376	1229	864	267	51	9	5	0	10
383	1274	897	276	56	10	5	0	10
401	1325	931	298	62	12	5	0	10
09:00	10:45	10:30	10:45	09:30	08:30	11:00	-	11:00
32	110	72	27	7	2	1	-	1
18:15	12:00	13:00	13:45	14:00	17:00	13:30	-	13:30
48	153	115	39	7	2	2	-	6

Bin 5	Bin 6	Bin 7	Bin 8	Bin 9	Bin 10	Bin 11	Bin 12	Bin 13
31-<36	36-<41	41-<46	46-<51	51-<56	56-<61	61-<66	66-<71	=>71
3	5	10	4	3	0	1	0	0
5	6	7	5	0	1	0	0	0
6	6	2	3	0	0	0	0	0
3	3	3	2	0	0	0	0	0
1	0	9	0	0	0	0	1	0
1	10	11	4	0	0	0	0	0
6	16	11	15	3	0	0	0	0
3	20	19	10	2	1	0	0	0
4	27	24	23	7	0	0	0	0
22	43	62	20	7	3	0	0	0
16	107	65	19	7	1	1	0	0
18	73	75	30	1	0	0	0	0
26	83	80	30	1	1	2	0	0
32	97	66	18	5	1	0	1	0
17	83	70	27	2	0	1	0	0
5	68	71	24	6	0	0	0	0
29	39	52	13	1	0	2	0	0
13	58	49	17	6	1	0	1	0
17	57	50	19	6	4	0	0	0
2	28	27	10	4	1	1	0	1
7	17	17	12	1	1	0	0	0
6	11	17	13	5	3	0	0	0
3	6	12	8	2	2	0	0	0
3	7	5	8	0	1	0	0	0
202	755	683	250	51	12	6	2	0

223	827	755	300	64	17	7	2	1
229	840	772	316	66	20	7	2	1
248	870	814	334	69	21	8	3	1
10:15	10:15	10:45	11:00	10:15	09:00	10:45	04:00	-
27	111	76	30	7	3	1	1	-
12:30	12:30	14:45	12:00	17:30	21:30	16:00	17:45	19:15
38	106	81	30	8	4	2	1	1

Bin 5	Bin 6	Bin 7	Bin 8	Bin 9	Bin 10	Bin 11	Bin 12	Bin 13
31-<36	36-<41	41-<46	46-<51	51-<56	56-<61	61-<66	66-<71	=>71
2	3	5	2	1	0	0	0	0
0	2	4	3	0	0	1	0	0
0	3	7	0	2	0	0	0	0
0	5	0	2	3	0	0	0	0
1	9	12	5	4	1	0	0	0
6	17	26	17	4	1	1	0	0
13	58	60	27	11	0	0	0	0
72	209	90	14	2	0	0	0	8
62	139	91	32	1	0	0	0	1
60	83	69	16	0	0	0	0	0
59	104	49	12	3	0	0	0	0
37	92	58	19	4	1	1	0	0
26	86	53	22	7	1	1	0	0
33	69	66	34	8	4	0	0	0
56	68	70	19	2	2	0	0	0
27	114	86	34	7	0	0	0	3
63	151	74	26	4	1	0	0	0
74	136	107	31	3	0	2	0	3
15	66	92	33	5	0	0	0	0
21	38	71	23	8	1	0	0	0
18	45	30	12	5	1	0	0	0
13	23	19	17	2	0	0	0	0
9	11	9	13	3	2	0	0	0
9	6	2	3	0	0	0	0	0

584	1317	905	292	46	9	4	0	15
649	1481	1085	371	72	11	4	0	15
667	1498	1096	387	75	13	4	0	15
676	1537	1150	416	89	15	6	0	15

07:30	07:00	07:15	08:00	06:00	11:00	11:00	-	07:15
80	209	106	32	11	1	1	-	8

17:00	16:15	16:30	17:15	12:30	13:30	17:45	-	17:00
74	162	108	39	12	5	2	-	3

Bin 5	Bin 6	Bin 7	Bin 8	Bin 9	Bin 10	Bin 11	Bin 12	Bin 13
31-<36	36-<41	41-<46	46-<51	51-<56	56-<61	61-<66	66-<71	=>71
0	4	6	7	3	0	0	0	0
1	0	4	2	0	0	0	0	0
2	4	4	1	0	1	0	0	0
4	5	4	5	1	0	0	0	0
0	8	6	2	1	0	1	0	0
11	25	23	10	2	0	0	0	0
20	89	59	12	4	0	0	0	0
153	178	48	8	2	0	0	0	5
118	143	63	11	4	0	0	0	2
65	118	53	12	1	0	0	0	0
53	82	54	18	1	0	0	0	0
38	95	58	11	1	2	0	0	1
25	78	66	12	4	2	0	0	0
37	74	40	17	8	2	1	0	0
36	88	67	27	1	4	0	0	0
26	114	97	38	3	0	0	0	2
94	143	78	22	3	2	0	0	2
75	134	58	12	3	0	0	0	6
38	99	53	26	10	0	1	0	4
20	68	36	20	4	2	1	0	0
15	31	29	13	2	1	0	0	0
14	24	23	8	1	0	0	0	0
9	24	22	9	3	0	0	1	0
1	7	8	3	0	0	0	0	0

758	1346	735	214	41	12	2	0	22
827	1558	882	267	52	15	3	0	22
837	1589	912	279	55	15	3	1	22
855	1635	959	306	62	16	4	1	22

07:15	07:15	07:45	10:00	08:45	11:00	04:00	-	07:15
164	193	67	18	4	2	1	-	6
16:00	16:45	15:00	14:45	18:00	13:45	18:15	22:00	17:00
94	150	97	39	10	6	2	1	6

Bin 5	Bin 6	Bin 7	Bin 8	Bin 9	Bin 10	Bin 11	Bin 12	Bin 13
31-<36	36-<41	41-<46	46-<51	51-<56	56-<61	61-<66	66-<71	=>71
2	1	6	3	3	2	0	0	0
0	4	4	1	0	0	0	0	0
1	5	4	1	1	0	0	0	0
2	6	0	3	4	0	0	0	0

-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
17:15	16:45	14:30	15:00	20:00	14:45	20:45	18:30	16:30
145	224	95	31	7	5	2	2	4

Bin 5 31-<36	Bin 6 36-<41	Bin 7 41-<46	Bin 8 46-<51	Bin 9 51-<56	Bin 10 56-<61	Bin 11 61-<66	Bin 12 66-<71	Bin 13 =>71
3	11	9	3	2	0	1	0	0
3	7	7	3	3	0	0	0	0
2	4	3	0	0	0	0	0	0
3	6	2	2	0	0	0	0	0
7	6	3	3	0	0	0	0	0
7	12	18	7	4	0	0	0	0
35	55	42	12	3	1	0	0	1
74	181	119	35	0	3	0	0	3
73	130	103	26	2	0	0	0	0
29	94	57	23	3	0	0	0	1
36	52	55	23	4	0	0	0	1
41	72	65	15	5	0	0	0	2
43	67	59	23	9	0	0	0	1
22	84	75	33	2	0	0	0	0
46	106	95	26	3	3	0	0	1
61	135	98	33	5	0	0	0	1
104	240	104	20	5	0	0	0	0
118	215	91	23	5	0	0	0	4
41	115	98	29	4	1	0	0	2
21	69	52	22	4	0	0	0	3
22	51	41	13	2	2	0	0	0
18	46	28	18	5	0	0	1	1
26	50	28	14	2	1	0	0	0
24	42	18	11	1	0	0	0	1

688	1491	1019	309	47	7	0	0	16
784	1712	1182	374	61	10	0	1	21
834	1804	1228	399	64	11	0	1	22
859	1850	1270	417	73	11	1	1	22
07:30	07:00	07:15	08:30	11:00	07:15	00:15	-	07:30
99	181	122	36	5	3	1	-	3
16:30	16:00	15:30	14:45	12:15	14:00	-	21:15	17:15
124	240	109	40	9	3	-	1	4

Bin 5 31-<36	Bin 6 36-<41	Bin 7 41-<46	Bin 8 46-<51	Bin 9 51-<56	Bin 10 56-<61	Bin 11 61-<66	Bin 12 66-<71	Bin 13 =>71
12	25	7	2	1	0	0	1	0
4	15	6	3	0	0	0	0	0
6	6	2	2	0	0	0	0	0
2	4	5	0	0	1	0	0	0
1	7	7	0	0	0	0	0	0
6	18	7	4	1	0	0	0	0
12	26	12	3	1	0	0	0	0
21	24	18	5	0	0	0	0	0
13	48	21	8	0	0	0	0	0
27	53	46	9	1	0	0	0	0
27	75	48	8	1	0	0	0	1
27	82	70	25	0	1	0	0	1
24	97	81	19	3	2	0	0	1
16	116	90	36	4	1	0	0	3
28	100	99	42	5	1	0	0	1
43	99	97	30	5	0	0	0	0
71	104	64	6	1	0	1	0	0
52	95	50	13	1	0	0	0	1
38	83	53	17	2	0	0	0	0
25	53	53	15	3	0	0	0	0
17	47	36	8	1	0	0	0	0
27	33	34	15	3	0	0	0	0
12	38	18	6	2	0	0	0	0
16	29	19	9	1	1	0	0	0

387	976	737	218	23	5	1	0	8
468	1135	872	259	31	5	1	0	8
496	1202	909	274	34	6	1	0	8
527	1277	943	285	36	7	1	1	8

09:30	11:00	11:00	11:00	10:00	11:00	-	00:30	10:30
31	82	70	25	1	1	-	1	2

16:45	13:15	14:45	14:00	14:30	12:30	16:00	-	13:45
75	127	106	42	9	3	1	-	3

Bin 5 31-<36	Bin 6 36-<41	Bin 7 41-<46	Bin 8 46-<51	Bin 9 51-<56	Bin 10 56-<61	Bin 11 61-<66	Bin 12 66-<71	Bin 13 =>71
11	14	11	4	0	0	0	0	0
4	14	6	2	1	0	0	0	0
5	8	6	1	0	0	0	0	0

1	1	3	0	0	0	0	0	0
1	4	3	2	0	1	0	0	0
5	2	7	2	1	0	0	0	0
5	8	8	2	2	0	0	0	0
3	14	21	6	1	0	0	0	0
5	11	22	14	1	0	0	0	2
8	36	29	13	3	0	0	0	1
18	39	53	16	2	0	0	0	0
18	72	66	17	3	1	0	0	0
21	72	73	20	1	0	0	0	1
22	101	86	15	2	2	0	0	1
36	109	86	30	3	0	0	0	0
31	123	79	35	8	2	0	0	0
34	108	50	20	3	0	0	0	0
31	81	67	13	5	1	0	0	0
44	83	41	10	4	0	0	0	0
25	51	36	16	4	1	0	0	0
15	26	26	9	4	2	0	0	0
16	18	24	11	5	1	0	0	1
5	27	16	5	1	0	0	0	0
5	13	12	6	0	2	0	0	0

271	849	673	209	36	6	0	0	5
332	952	767	247	51	10	0	0	6
342	992	795	258	52	12	0	0	6
369	1035	831	269	54	13	0	0	6

10:45	11:00	11:00	10:30	08:45	11:00	-	-	08:30
22	72	66	21	4	1	-	-	2

18:00	14:45	13:30	15:00	14:45	23:00	-	-	12:45
44	129	103	35	9	2	-	-	2

Bin 5	Bin 6	Bin 7	Bin 8	Bin 9	Bin 10	Bin 11	Bin 12	Bin 13
31-<36	36-<41	41-<46	46-<51	51-<56	56-<61	61-<66	66-<71	=>71
1	0	4	3	0	0	0	0	0
0	5	4	1	0	0	0	0	0
2	0	1	2	1	0	0	0	0
0	0	2	3	0	0	0	0	0
2	1	4	3	0	0	0	0	0
1	26	16	9	2	0	0	0	0
15	60	43	18	0	0	0	0	1
89	182	84	17	2	2	1	1	1
70	160	93	12	1	0	1	0	0
62	126	83	19	5	1	1	0	1
19	78	55	26	2	0	0	1	1
24	67	59	35	6	2	0	0	1
46	67	61	26	3	0	0	0	1
27	74	80	28	4	2	0	0	0

43	83	60	21	8	0	0	0	1
67	168	87	27	11	0	0	0	2
97	200	102	28	4	0	0	1	1
120	214	106	20	3	0	0	0	2
50	163	82	29	4	1	1	0	0
14	46	43	19	5	1	0	0	0
25	31	23	13	1	0	1	0	0
8	30	21	14	4	1	1	0	0
14	36	17	16	5	2	0	0	0
9	16	12	3	2	0	0	0	0

714	1582	952	288	53	8	4	3	11
776	1749	1082	352	63	10	6	3	12
799	1801	1111	371	70	12	6	3	12
805	1833	1142	392	73	12	6	3	12

07:00	07:15	08:30	10:45	11:00	11:00	08:30	10:45	11:00
89	188	105	37	6	2	2	1	1

16:30	17:15	17:30	17:30	15:15	22:15	20:45	16:00	17:00
141	223	107	31	11	2	2	1	2

Bin 5	Bin 6	Bin 7	Bin 8	Bin 9	Bin 10	Bin 11	Bin 12	Bin 13
31-<36	36-<41	41-<46	46-<51	51-<56	56-<61	61-<66	66-<71	=>71
3	5	2	5	0	0	0	0	0
2	5	1	3	0	0	0	0	0
2	4	3	0	0	0	0	0	0
3	2	2	1	0	0	0	0	0
3	2	5	3	0	0	0	0	0
6	18	24	4	0	0	0	0	0
19	69	44	7	1	0	0	0	1
171	152	35	4	1	0	1	0	5
129	156	61	9	4	0	1	0	3
52	104	73	14	4	0	0	0	0
24	71	48	18	2	0	0	0	0
21	81	57	20	1	0	0	0	1
55	95	55	19	3	1	0	0	0
27	83	65	19	5	1	0	0	1
55	118	49	19	2	2	0	0	2
48	140	77	22	3	0	0	0	2
188	186	58	13	2	0	0	0	1
258	256	52	8	3	1	0	0	6
140	138	43	11	2	0	0	0	1
44	70	41	13	1	0	1	0	0
22	32	27	10	2	1	0	0	0
26	36	21	7	0	0	1	0	0
17	27	19	3	3	0	0	0	0
9	13	12	6	1	0	0	0	0

1168	1580	673	176	32	5	2	0	22
1279	1787	806	213	36	6	4	0	23
1305	1827	837	222	40	6	4	0	23
1324	1863	874	238	40	6	4	0	23

07:15	08:15	08:30	10:15	09:15	-	08:15	-	07:15
183	165	78	21	5	-	1	-	7
16:45	17:00	14:45	14:45	12:30	14:00	21:30	-	17:00
291	256	80	27	6	2	1	-	6

Bin 5	Bin 6	Bin 7	Bin 8	Bin 9	Bin 10	Bin 11	Bin 12	Bin 13
31-<36	36-<41	41-<46	46-<51	51-<56	56-<61	61-<66	66-<71	=>71
3	7	4	0	1	0	0	0	0
2	5	6	1	0	0	0	0	0
1	5	1	2	1	0	0	0	0
1	3	2	1	0	0	0	0	0
1	5	4	4	1	1	0	0	0
13	12	16	11	5	0	0	0	0
28	55	47	17	1	0	0	0	0
111	214	111	30	2	1	0	0	1
59	163	110	34	2	0	1	0	5
37	87	64	30	4	0	0	0	1
25	53	41	19	5	1	0	0	2
25	82	55	8	6	0	0	0	0
35	66	56	30	7	0	0	0	0
37	69	64	21	4	0	0	0	1
50	99	81	15	4	1	2	0	1
74	145	70	20	6	0	0	0	0
129	197	67	18	3	0	0	0	2
135	206	98	17	5	0	0	1	4
57	172	78	15	3	1	0	0	0
42	72	56	13	2	0	0	1	1
16	37	27	22	2	0	1	0	0
18	23	27	10	5	2	1	0	0
25	35	22	7	6	0	1	0	0
15	20	14	3	2	1	0	0	0

774	1553	895	257	51	4	3	1	17
878	1740	1052	319	61	6	5	2	18
918	1795	1088	329	69	7	6	2	18
939	1832	1121	348	77	8	6	2	18

07:00	07:00	07:30	08:45	09:45	10:45	08:30	-	07:30
111	214	125	36	7	1	1	-	6
16:15	16:45	16:45	12:15	12:30	21:00	21:30	19:00	17:15
140	216	99	32	7	2	2	1	4

