

## RadarcClass

C0015 Sampy's Hill, Mawnan Smith  
June 2018

Report  
10/07/2018

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# RadarClass

**C0015 Sampy's Hill, Mawnan  
Smith  
June 2018  
South-eastbound / North-westbound**

Route N <sup>o</sup>	Column N <sup>o</sup>	Neighbourhood Service Area	RadarClass Unit ID	Ordnance Survey Grid Reference
C0015	Post	West	Unit 2	177670 / 028986

Date of Deployment	End of Operation	Total Period of Operation
28/06/2018	05/07/2018	8 days

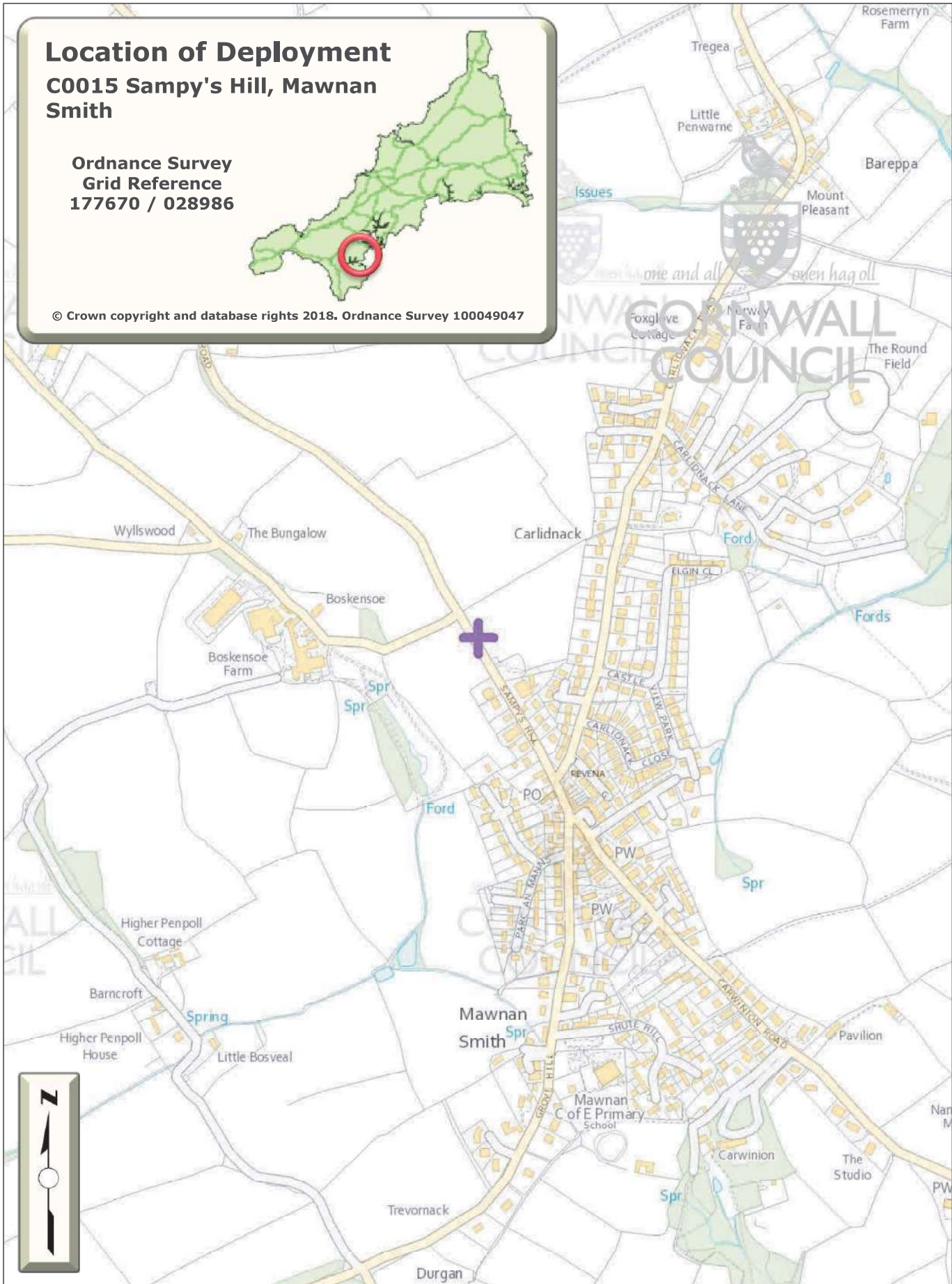
## Summary Table

 Speed Limit	All Observations		Weekdays		Weekends	
	South-eastbound	North-westbound	South-eastbound	North-westbound	South-eastbound	North-westbound
Number of Observations:	12,959	14,725	9,785	11,020	3,174	3,705
Mean Speed (mph):	28.9	30.5	28.8	30.4	29.1	30.8
85%ile Speed (mph):	34	36	34	36	34	36
Standard Deviation:	5.4	5.4	5.4	5.4	5.3	5.2
% ≤  :	62.1%	48.4%	62.2%	49.1%	61.8%	46.4%
% 31 mph to 40 mph:	36.2%	48.5%	36.2%	47.8%	36.3%	50.5%
% >40 mph:	1.7%	3.1%	1.6%	3.1%	1.9%	3.1%

<b>Comments:</b>	
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<b>Data Submitted by:</b>	Ken Dunn	<b>Data Processed by:</b>	Jim Rowe
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# 1. Location Map.




## 2. Glossary of Terms & Abbreviations.

RadarClass is a portable radar device that detects and records the speed of passing vehicles. The unit is housed in an unobtrusive rugged black anti-vandal housing which can be mounted on any item of roadside furniture without looking conspicuous.


The principal role of the unit is to detect and count passing vehicles and log the date, time and speed at which they passed. Data collected can be used to determine the volume of traffic flow on the road on which the unit has been deployed.



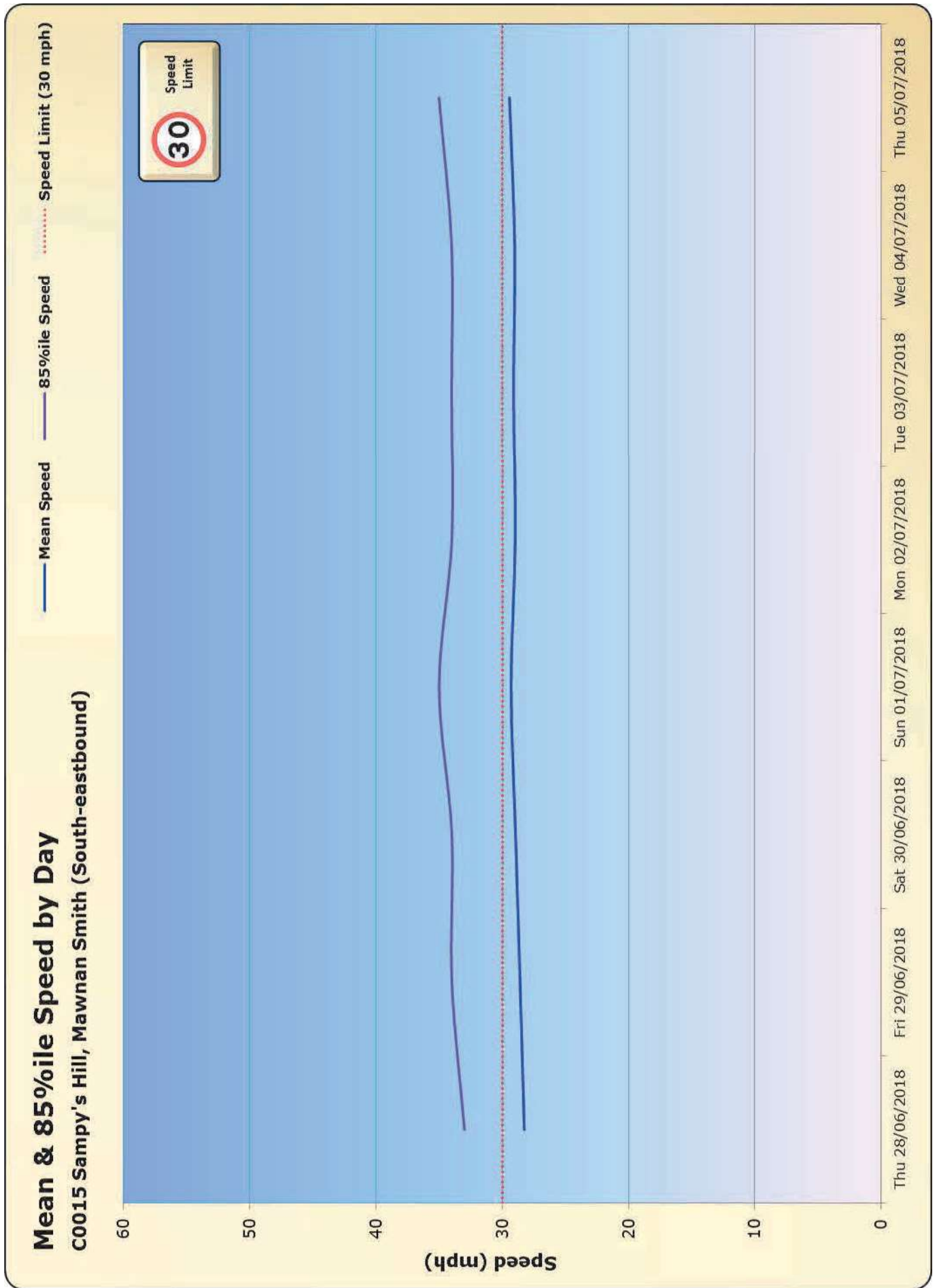
<b>Nº of Observations:</b>	The number of readings recorded by the radar. This does not correspond to an exact count of vehicles passing the sign, since vehicles may pass the sign in a tightly packed group (or 'platoon'); the radar will only record data for the 'lead vehicle' that is determining the speed for the remainder of the platoon.
<b>Mean Speed:</b>	The arithmetic average of all the speed values recorded.
<b>85%ile Speed:</b>	The speed at or below which 85% of the vehicles recorded were travelling.
<b>Standard Deviation:</b>	A measure of how widely speeds are dispersed from the Mean Speed.
<b>% ≤  :</b>	The percentage of vehicles travelling at speeds of 30 mph or below (i.e. the percentage of vehicles travelling at or within the 30 mph speed limit).
<b>% 31 mph to 40 mph:</b>	The percentage of vehicles travelling at speeds of between 31 mph and 40mph.
<b>% &gt;40 mph:</b>	The percentage of vehicles travelling at speeds greater than 40 mph (i.e. the percentage of vehicles travelling at speeds in excess of 10mph above the 30 mph speed limit).

### 3. South-eastbound Detailed Statistics.

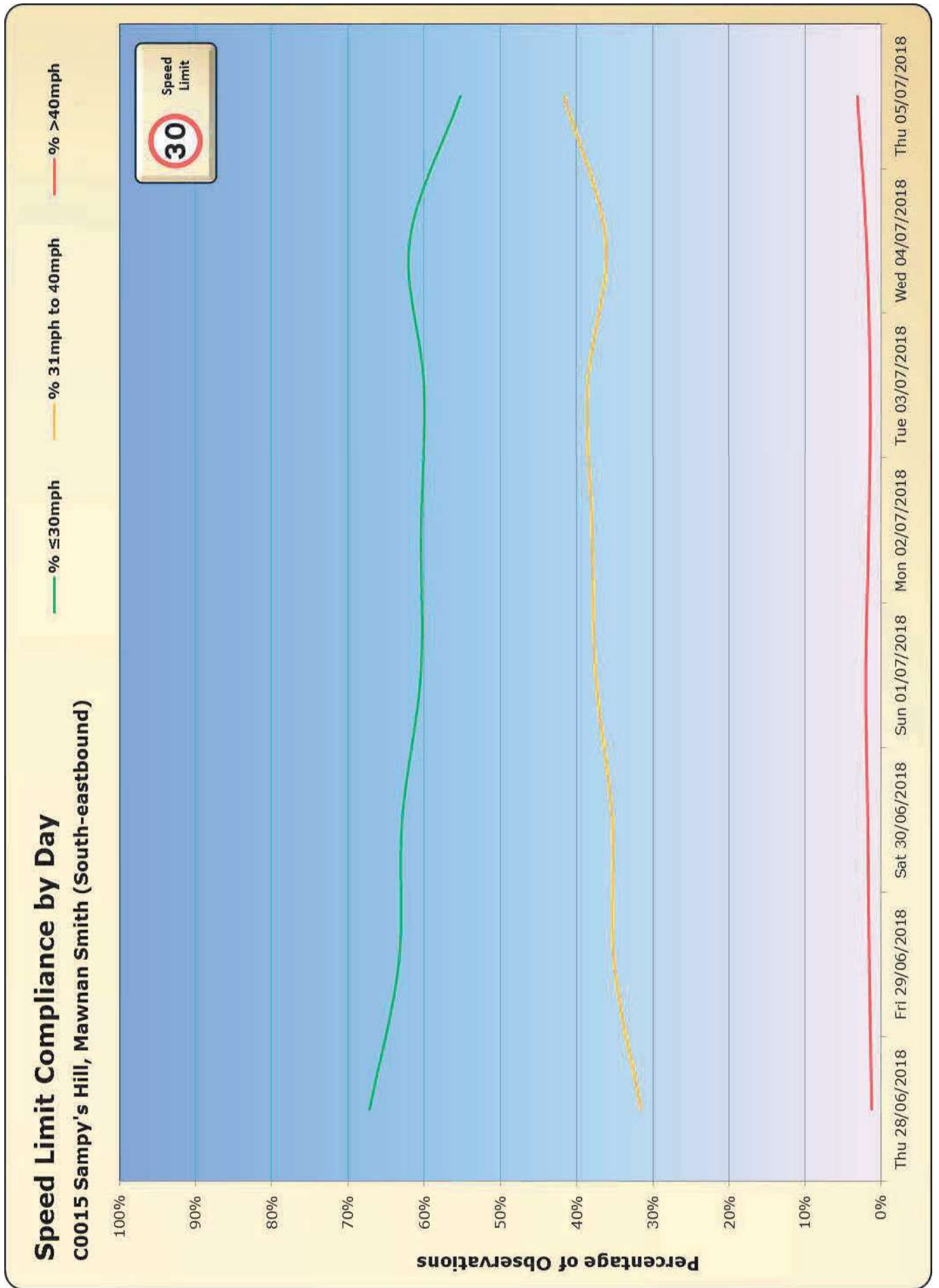
#### 3.1.1. South-eastbound Daily Summary Table.

Date	Mean Speed	85%ile Speed	Standard Deviation	% ≤ 	% 31 mph to 40 mph	% >40 mph
<b>Thu 28/06/2018</b>	28.3	33	5.1	67.2%	31.6%	1.2%
<b>Fri 29/06/2018</b>	28.6	34	5.4	63.4%	35.1%	1.5%
<b>Sat 30/06/2018</b>	29.0	34	5.1	62.9%	35.3%	1.7%
<b>Sun 01/07/2018</b>	29.3	35	5.4	60.5%	37.5%	2.0%
<b>Mon 02/07/2018</b>	29.0	34	5.4	60.4%	38.0%	1.6%
<b>Tue 03/07/2018</b>	29.1	34	5.3	60.0%	38.5%	1.4%
<b>Wed 04/07/2018</b>	29.0	34	5.4	61.9%	36.2%	1.9%
<b>Thu 05/07/2018</b>	29.4	35	6.4	55.3%	41.6%	3.1%

3.1.2. South-eastbound Mean Speed & 85%ile Speeds by Day Chart.



3.1.3. South-eastbound Speed Limit Compliance by Day Chart.

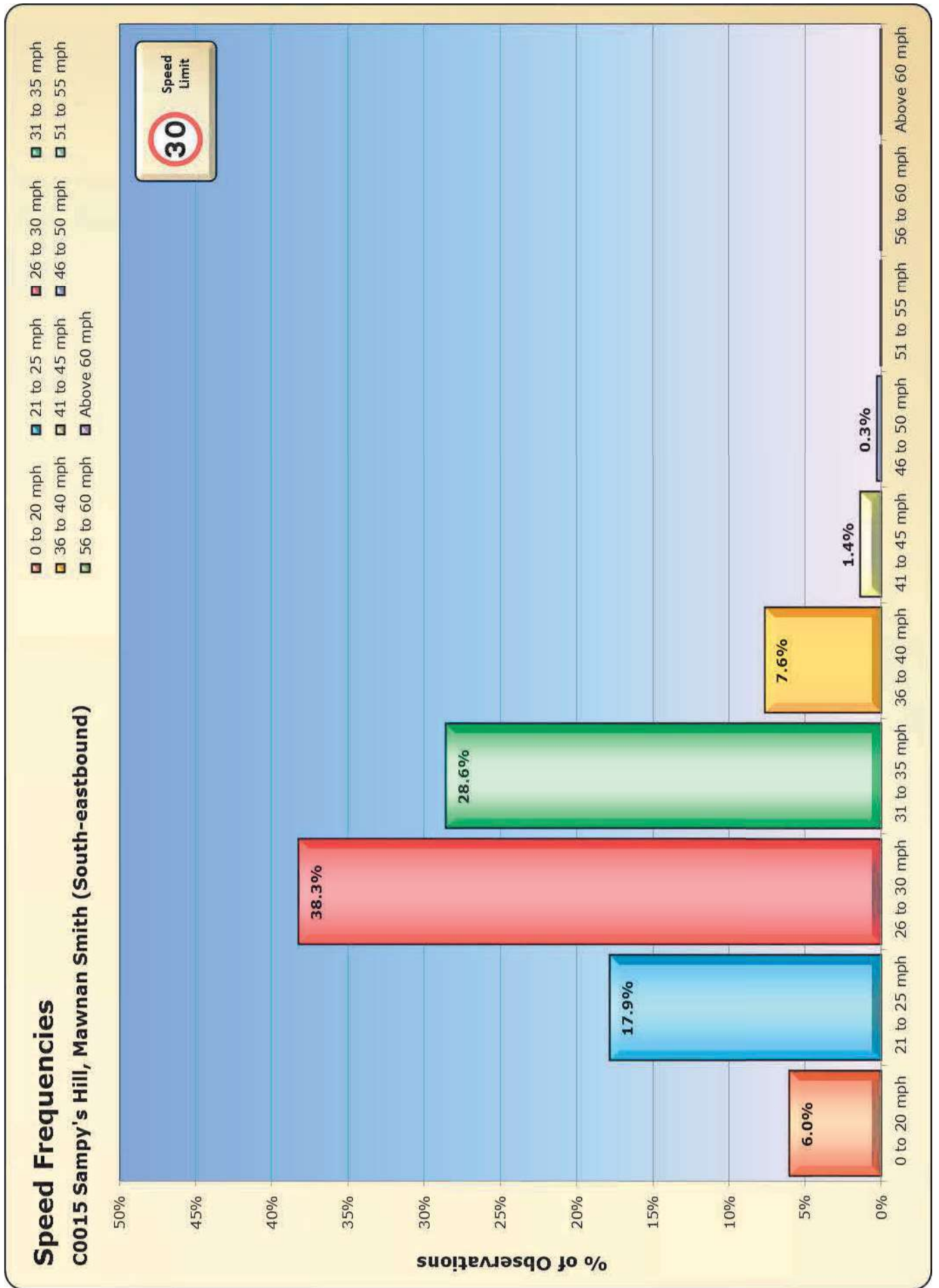


### 3.2.1. South-eastbound Speed Frequencies by Day Table.


Date	No ≤ 30			No > 30							Total
	0 to 20 mph	21 to 25 mph	26 to 30 mph	31 to 35 mph	36 to 40 mph	41 to 45 mph	46 to 50 mph	51 to 55 mph	56 to 60 mph	Above 60 mph	
<b>Thu 28/06/2018</b>	103	369	673	441	97	19	2	0	0	0	<b>1,704</b>
<b>Fri 29/06/2018</b>	142	380	793	588	140	22	10	0	0	0	<b>2,075</b>
<b>Sat 30/06/2018</b>	100	309	711	507	122	26	4	1	0	0	<b>1,780</b>
<b>Sun 01/07/2018</b>	74	213	556	388	135	26	1	0	0	1	<b>1,394</b>
<b>Mon 02/07/2018</b>	100	309	646	521	142	26	2	0	0	0	<b>1,746</b>
<b>Tue 03/07/2018</b>	108	340	720	598	152	26	2	0	0	0	<b>1,946</b>
<b>Wed 04/07/2018</b>	116	315	725	525	150	25	9	1	1	0	<b>1,867</b>
<b>Thu 05/07/2018</b>	34	79	134	135	51	7	6	1	0	0	<b>447</b>
<b>Total</b>	<b>777</b>	<b>2,314</b>	<b>4,958</b>	<b>3,703</b>	<b>989</b>	<b>177</b>	<b>36</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>12,959</b>
<b>% of Total</b>	<b>6.0%</b>	<b>17.9%</b>	<b>38.3%</b>	<b>28.6%</b>	<b>7.6%</b>	<b>1.4%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>100.0%</b>



3.2.2. South-eastbound Speed Frequencies Chart.



### 3.3.1. South-eastbound Hour of Day Summary Table.

Hour of Day	Mean Speed	85%ile Speed	Standard Deviation	% ≤ 	% 31 mph to 40 mph	% >40 mph
00:00 to 00:59	33.1	39	5.2	34.7%	57.1%	8.2%
01:00 to 01:59	37.1	45	10.7	41.7%	25.0%	33.3%
02:00 to 02:59	30.3	39	10.2	75.0%	12.5%	12.5%
03:00 to 03:59	36.0	36	-	0.0%	100.0%	0.0%
04:00 to 04:59	34.8	37	2.9	0.0%	100.0%	0.0%
05:00 to 05:59	28.3	32	5.1	64.3%	35.7%	0.0%
06:00 to 06:59	33.6	40	6.7	33.6%	52.1%	14.4%
07:00 to 07:59	31.8	37	6.0	35.5%	60.1%	4.3%
08:00 to 08:59	29.5	35	5.8	53.3%	44.9%	1.9%
09:00 to 09:59	28.7	34	5.6	62.1%	35.7%	2.1%
10:00 to 10:59	27.7	32	4.8	74.6%	24.7%	0.7%
11:00 to 11:59	27.4	32	4.8	74.6%	25.0%	0.3%
12:00 to 12:59	27.3	32	4.4	78.9%	20.8%	0.3%
13:00 to 13:59	28.8	33	4.7	65.3%	33.7%	1.0%
14:00 to 14:59	28.2	33	4.7	69.2%	30.3%	0.5%
15:00 to 15:59	28.0	33	5.1	69.1%	30.0%	0.8%
16:00 to 16:59	29.2	34	5.0	58.9%	40.1%	1.0%
17:00 to 17:59	29.1	34	5.3	56.7%	42.3%	0.9%
18:00 to 18:59	30.1	35	5.4	50.6%	47.0%	2.4%
19:00 to 19:59	31.3	36	6.0	37.6%	57.9%	4.5%
20:00 to 20:59	31.3	37	6.1	42.1%	53.9%	3.9%
21:00 to 21:59	31.0	36	5.8	43.6%	50.9%	5.5%
22:00 to 22:59	30.1	35	5.7	56.1%	39.7%	4.2%
23:00 to 23:59	32.2	37	5.3	40.3%	52.2%	7.5%