

Weather Resilience and Climate Change Adaptation

Western Route Periodic Performance Report – 2017/2018 P1

Figure 1 provides an overview of the impact of different weather related events by day for period 1 in relation to delay minutes and PPM performance for Western route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P1 2017 Western

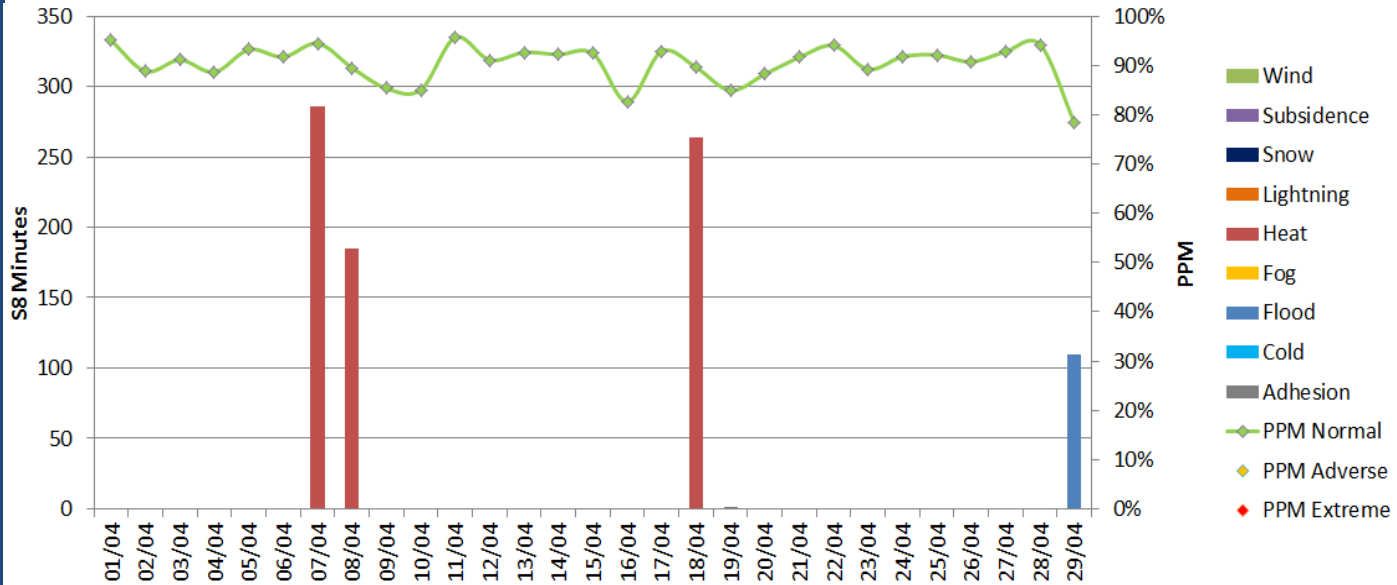
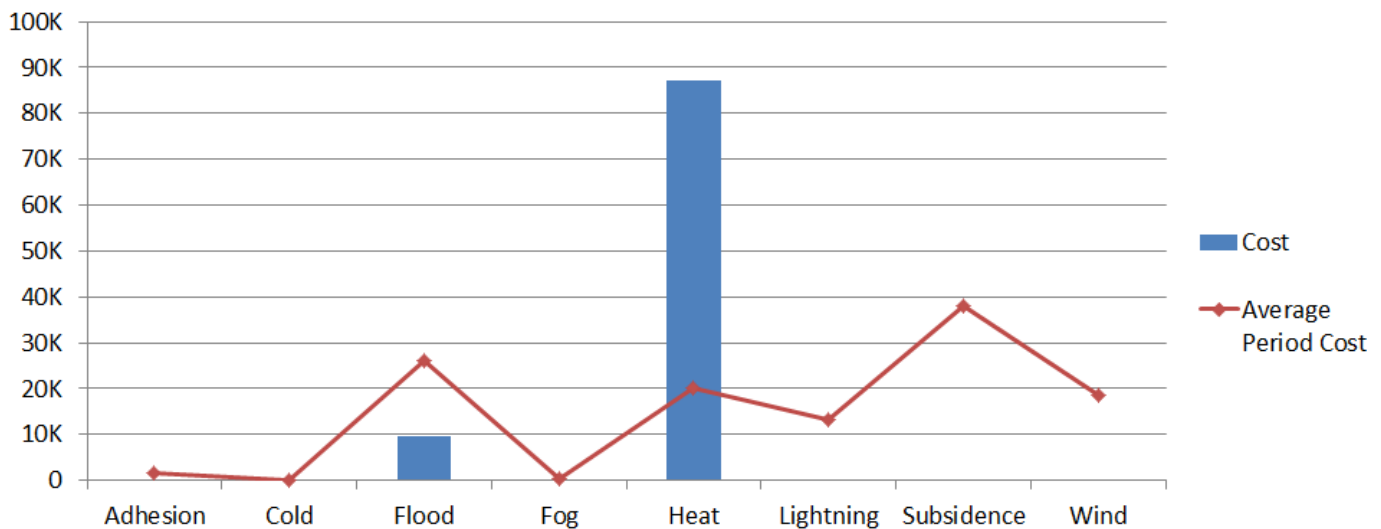


Figure 2 Weather related Schedule 8 cost impact for P1 Western



Note that this figure relates to Schedule 8 cost and does not include OPEX or other costs.

Table 1 Top 10 weather related incidents P1

Date	IncidentDescription	stanoxSection	Route	Weather Category	Minutes	Cost
07/04/2017	BDW NBY 20 ESR UL	Newbury : Bedwyn	WESTERN Thames Valley	Heat	286	£40,636.82
18/04/2017	BTH 20 EROS	Bathampton Jn : Bath Spa	WESTERN Thames Valley	Heat	264	£27,023.03
08/04/2017	SCOTEJN NBY 20 ESR UW/DW	Southcote Jn : Newbury	WESTERN Thames Valley	Heat	127	£14,232.88
29/04/2017	DWL FLOODING	Dawlish Warren	WESTERN West	Flood	110	£9,740.71
08/04/2017	HEAT ESR LWERWJN	Llanwern West Jn	WESTERN West	Heat	58	£5,131.80
19/04/2017	1T67 2 LOST BIT OXP	74436 : Bicester Town	WESTERN Thames Valley	Adhesion	1	£37.68



Weather Resilience and Climate Change Adaptation

Western Route Periodic Performance Report – 2017/2018 P2

Figure 1 provides an overview of the impact of different weather related events by day for period 2 in relation to delay minutes and PPM performance for Western route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P2 2017 Western

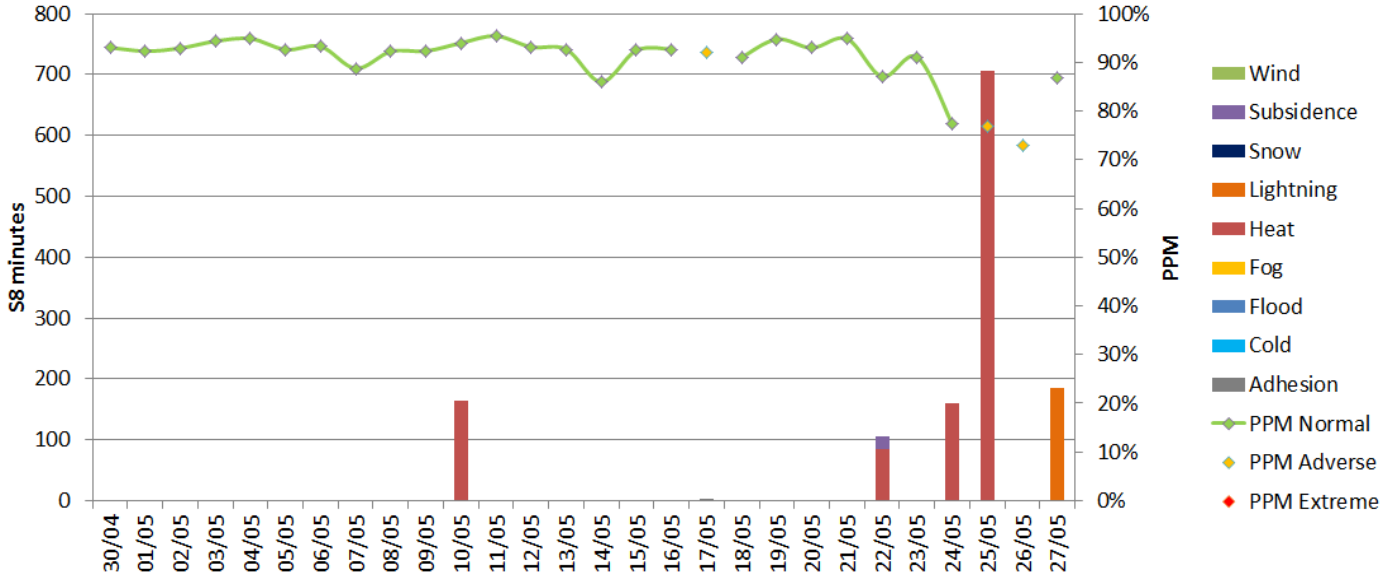
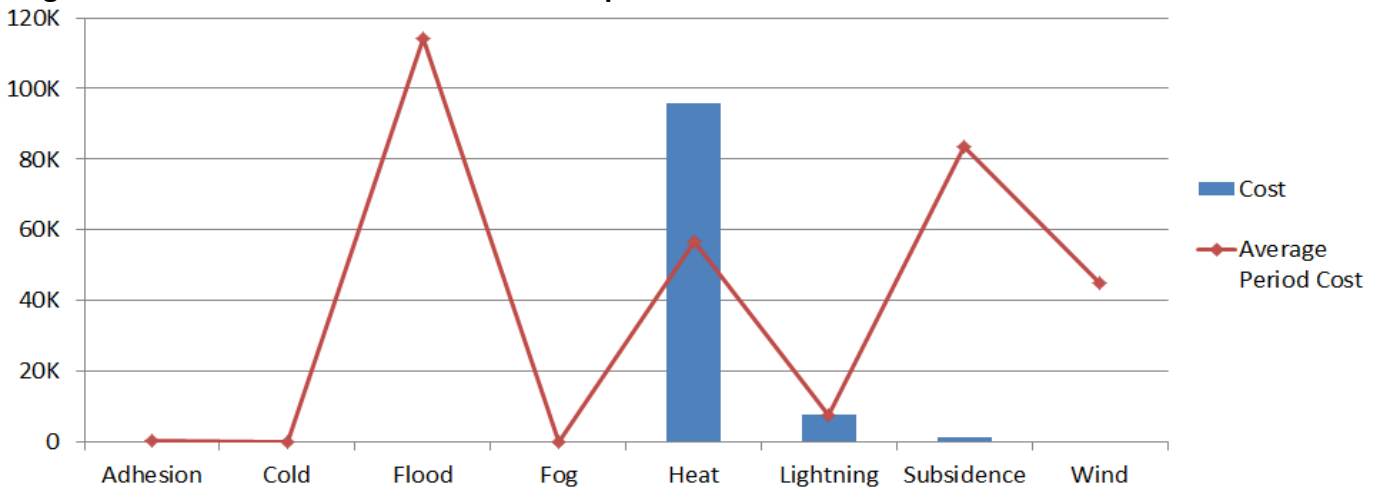


Figure 2 Weather related Schedule 8 cost impact for P2 Western



Note that this figure relates to Schedule 8 cost and does not include OPEX or other costs.

Table 1 Top 10 weather related incidents P2

Date	IncidentDescription	stanoxSection	Route	Weather Category	Minutes	Cost
25/05/2017	WESTERN ROUTE KRS	Didcot Parkway : Challow	WESTERN Thames Valley	Heat	541	£53,145.06
24/05/2017	NRC 20/60 TSR UW	Newbury	WESTERN Thames Valley	Heat	150	£15,727.54
22/05/2017	CRT 20MPH STJ LWERWJN	Severn Tunnel Jn : Llanwern West Jn	WESTERN West	Heat	84	£10,346.56
27/05/2017	PLY LOS TC FLR	Hemerdon : Lipson Junction	WESTERN West	Lightning	186	£7,823.11
10/05/2017	TAP 20 EROS DR	Slough : Maidenhead	WESTERN Thames Valley	Heat	164	£6,104.16
25/05/2017	LWH SRD 20 TSR DF	Filton Abbey Wood : Stapleton Road	WESTERN West	Heat	123	£5,713.89
24/05/2017	STJ LWERWJN CRT 30/60	Severn Tunnel Jn : Llanwern West Jn	WESTERN West	Heat	10	£2,527.10
25/05/2017	YAE WSTLGHJ 20 TSR UC/DC	Yate : Westerleigh Jn	WESTERN West	Heat	31	£2,122.04
22/05/2017	STS SGM ROCKS ON LINESIDE	Saltash : St Germans	WESTERN West	Subsidence	22	£1,465.75
25/05/2017	WSB HEAT SPEED	Westburyw	WESTERN Thames Valley	Heat	12	£213.48



Weather Resilience and Climate Change Adaptation

Western Route Periodic Performance Report – 2017/2018 P3

Figure 1 provides an overview of the impact of different weather related events by day for period 3 in relation to delay minutes and PPM performance for Western route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P3 2017 Western

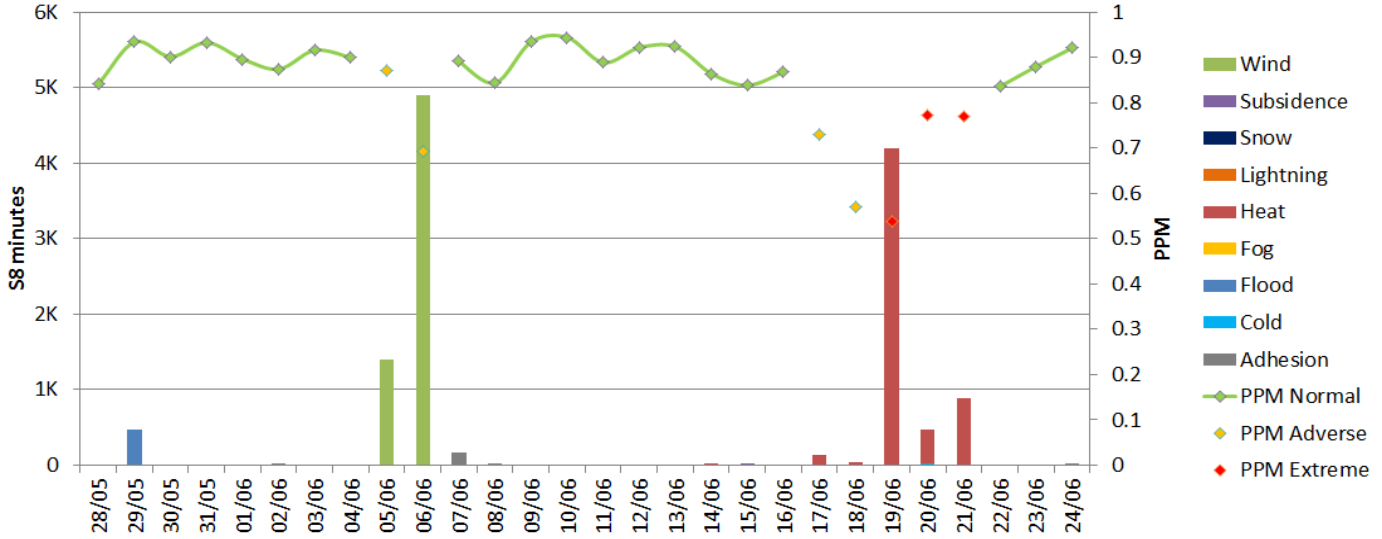
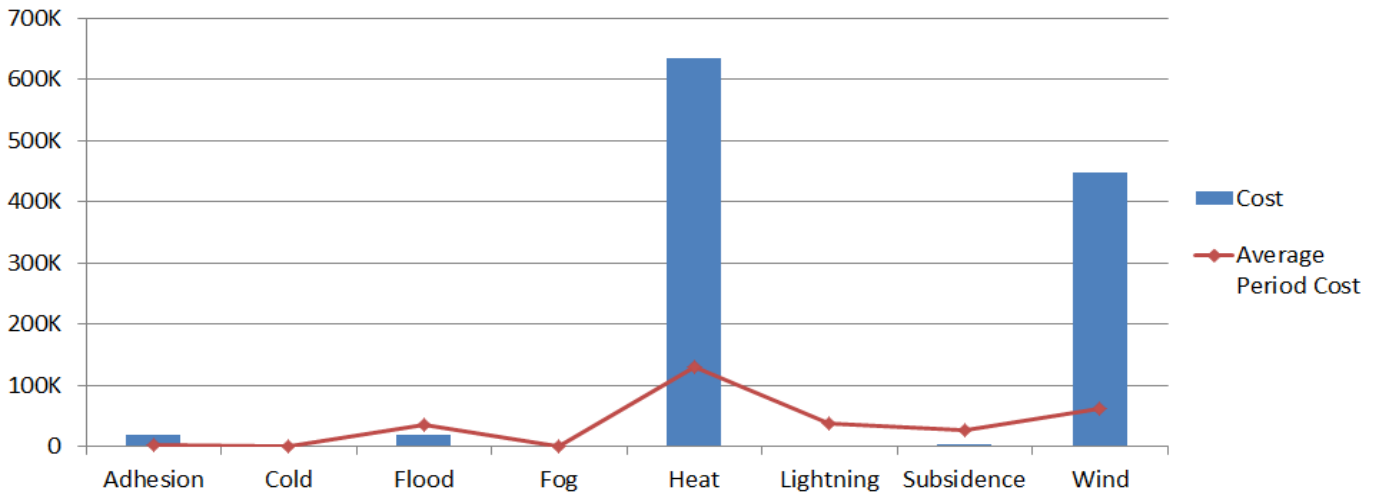


Figure 2 Weather related Schedule 8 cost impact for P3 Western



Note that this figure relates to Schedule 8 cost and does not include OPEX or other costs.

Table 1 Top 10 weather related incidents P3

Date	IncidentDescription	stanoxSection	Route	Weather Category	Minutes	Cost
19/06/2017	STKYJN STL HEAT SPEED	Heathrow Airport Jn : Slough	WESTERN Thames Valley	Heat	3350.5	£443,153.40
06/06/2017	FIT AC FLR	Filton Abbey Wood	WESTERN West	Wind	1465	£145,320.19
06/06/2017	2E88 HIT LOW HANG CABLE BOD	St Germans : Liskeard	WESTERN West	Wind	666	£79,828.52
06/06/2017	HYD TREE ON LINE	Wolvercote Jn : Heyford	WESTERN Thames Valley	Wind	1066	£70,077.80
05/06/2017	KEY TREE FALLEN	Plymouth : St Budeaux Victoria Road	WESTERN West	Wind	642	£45,021.12
21/06/2017	PAD SWI WESTERN ROUTE KRS	London Paddington	WESTERN Thames Valley	Heat	543	£36,514.55
21/06/2017	THE NBY 30/60 HEAT ESR UW DW	Southcote Jn : Newbury	WESTERN Thames Valley	Heat	339	£34,141.03
06/06/2017	TWERTON TREE ON LINE	Bath Spa	WESTERN Thames Valley	Wind	197	£25,720.05
19/06/2017	KIT 30/60 ESR UW	Newbury : Bedwyn	WESTERN Thames Valley	Heat	190	£23,169.49
06/06/2017	1F23 STRIKING TREE BTH BTHMPTJ	Bathampton Jn : Bath Spa	WESTERN Thames Valley	Wind	180	£23,015.38



Weather Resilience and Climate Change Adaptation

Western Route Periodic Performance Report – 2017/2018 P4

Figure 1 provides an overview of the impact of different weather related events by day for period 4 in relation to delay minutes and PPM performance for Western route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P4 2017 Western

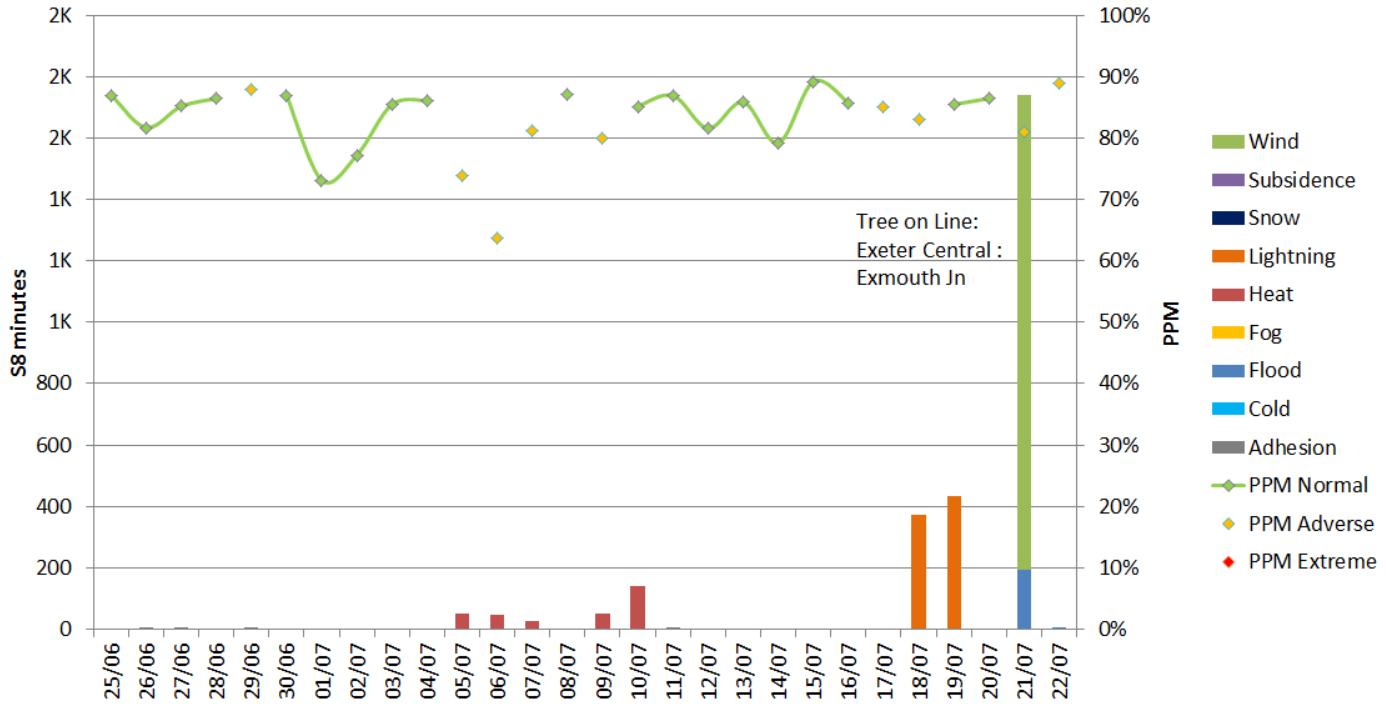
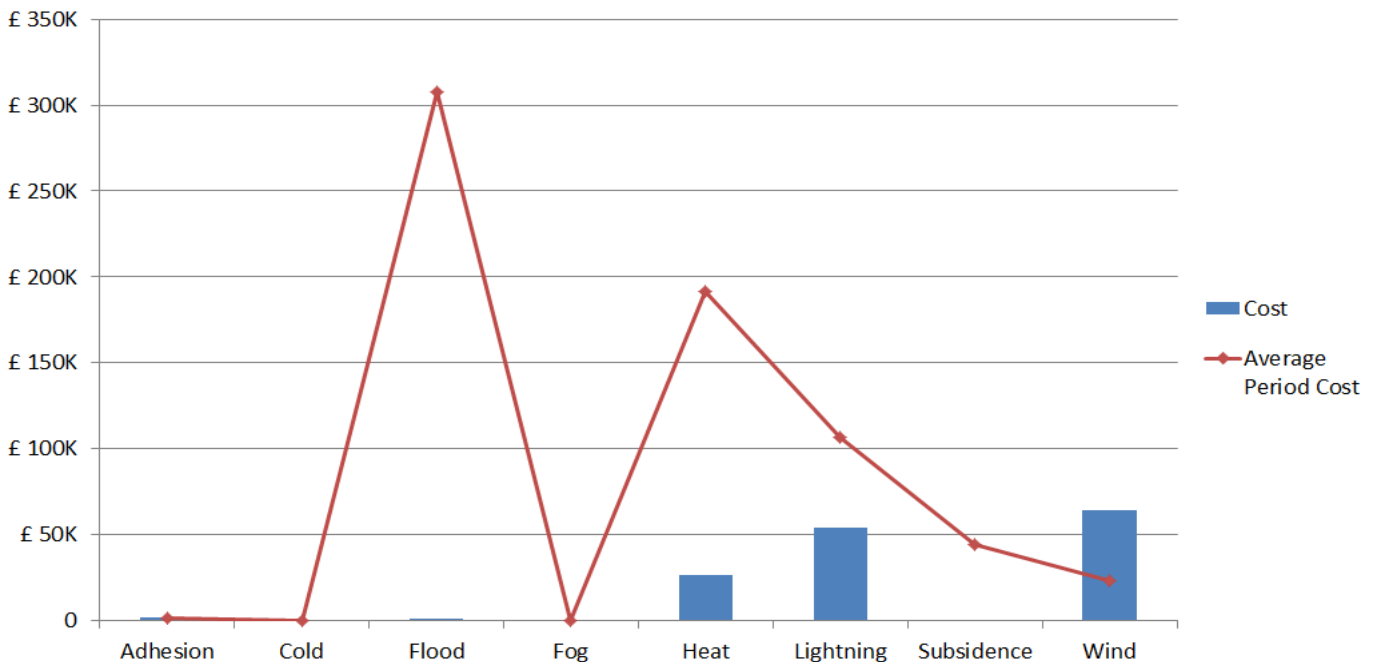


Figure 2 Weather related Schedule 8 cost impact for P4 Western



Note that this figure relates to Schedule 8 cost and does not include OPEX or other costs.

Weather Resilience and Climate Change Adaptation

Western Route Periodic Performance Report – 2017/2018 P5

Figure 1 provides an overview of the impact of different weather related events by day for period 5 in relation to delay minutes and PPM performance for Western route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P5 2017 Western

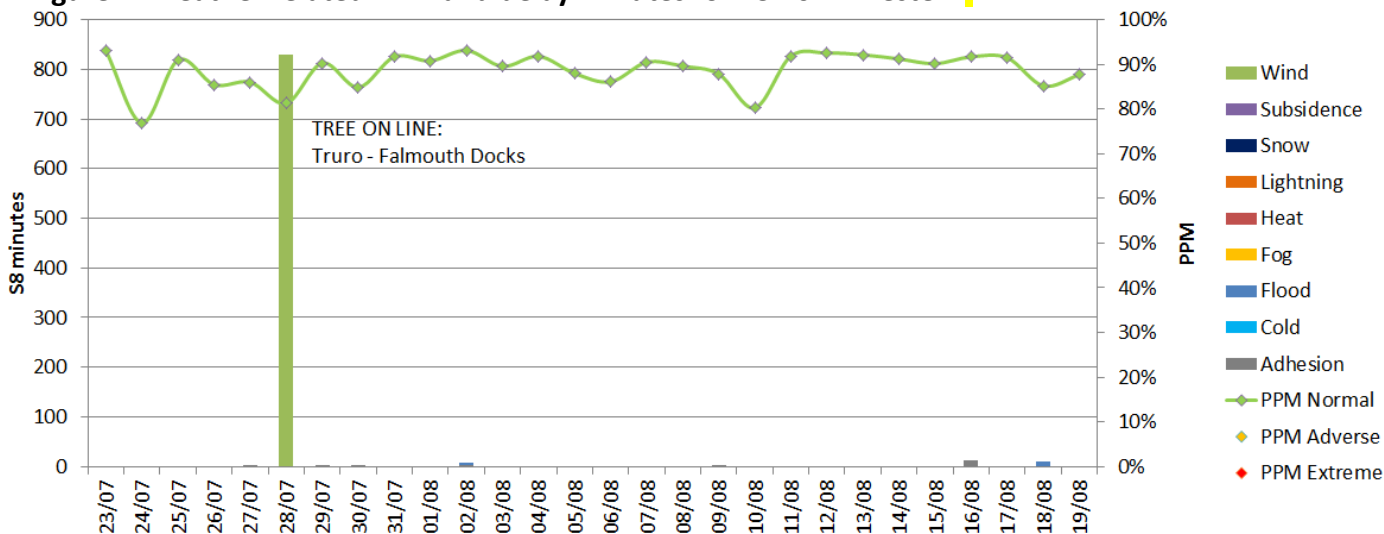
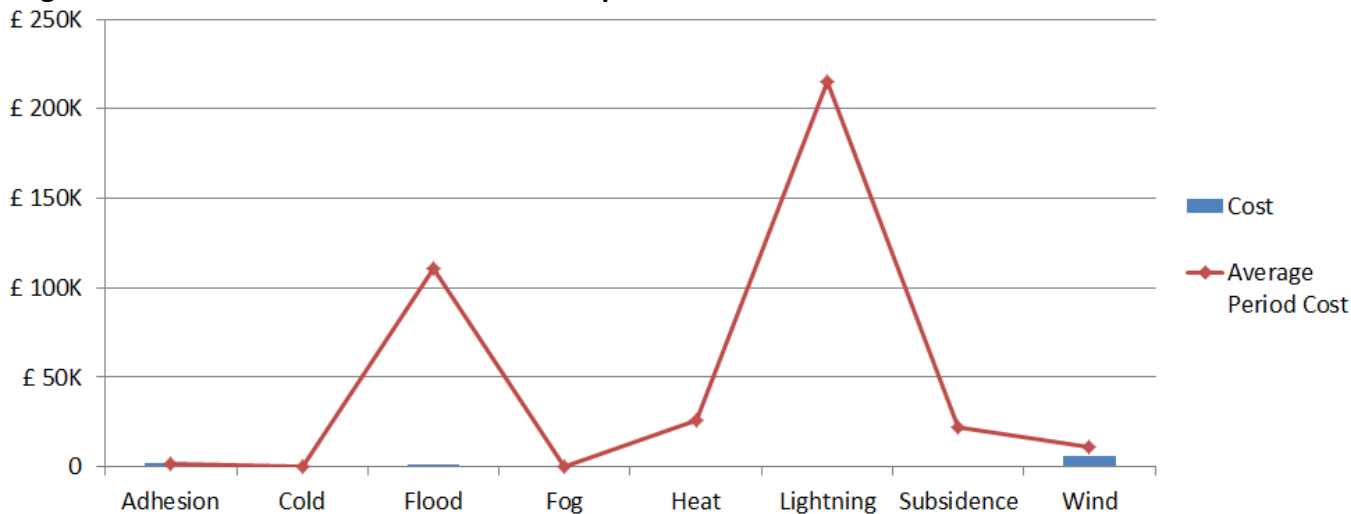


Figure 2 Weather related Schedule 8 cost impact for P5 Western



Note that this figure relates to Schedule 8 cost and does not include OPEX or other costs.

Table 1 Top 10 weather related incidents P5

Date	IncidentDescription	stanoxSection	Route	Weather Category	Minutes	Cost
28/07/2017	PNM TREE ON LINE	Truro : Falmouth Docks	WESTERN West	Wind	829	£5,761.55
16/08/2017	1A35 ADHESION LOS BOD	Liskeard : Lostwithiel	WESTERN West	Adhesion	11.5	£1,331.62
18/08/2017	HND WVCTJN FLOODING	Wolvercote Jn : Ascott-Under-Wychwood	WESTERN West	Flood	11	£968.94
02/08/2017	WMN FLOODING	Warminster	WESTERN Thames Valley	Flood	7	£335.85
02/08/2017	1A81 LOW POWER PNZ	Penzance	WESTERN West	Adhesion	1.5	£291.75
30/07/2017	1G42 PRHC KEM	Kemble	WESTERN Thames Valley	Adhesion	1.5	£175.95
09/08/2017	2U12 PRHC HIG YAT	Worle Jn : Weston-Super-Mare	WESTERN West	Adhesion	1.5	£27.83
29/07/2017	2L50 PRHC WVCTJN HYD	Wolvercote Jn : Heyford	WESTERN Thames Valley	Adhesion	1.5	£15.27
27/07/2017	1W41 PRHC MAI TWY	Maidenhead : Twyford	WESTERN Thames Valley	Adhesion	1.5	£5.67



Weather Resilience and Climate Change Adaptation

Western Route Periodic Performance Report – 2017/2018 P6

Figure 1 provides an overview of the impact of different weather related events by day for period 6 in relation to delay minutes and PPM performance for Western route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P6 2017 Western

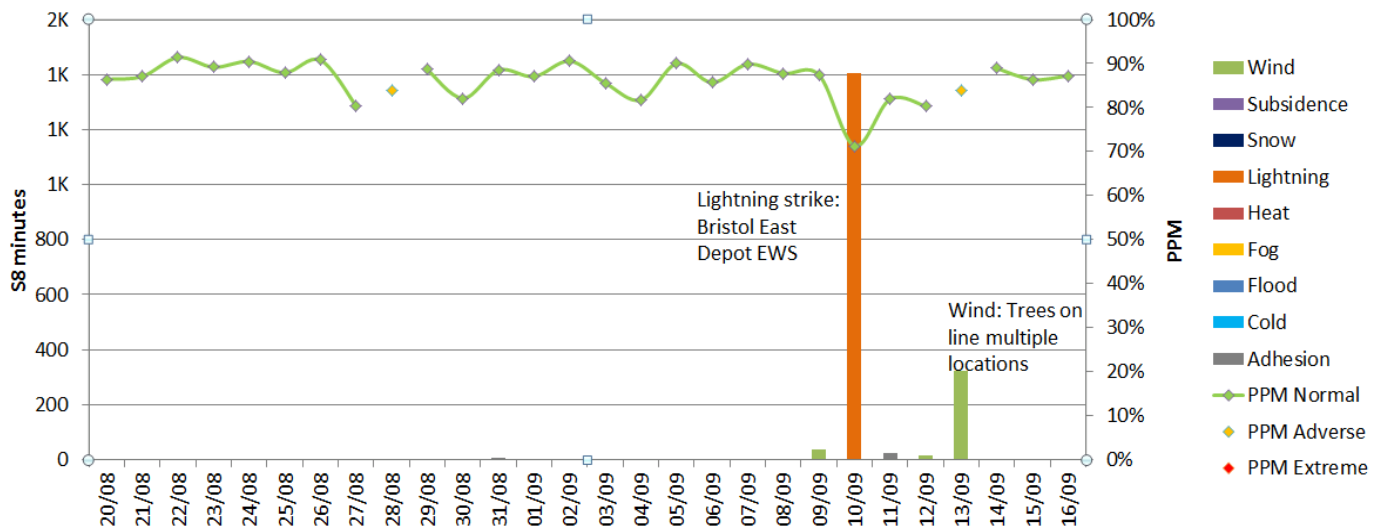
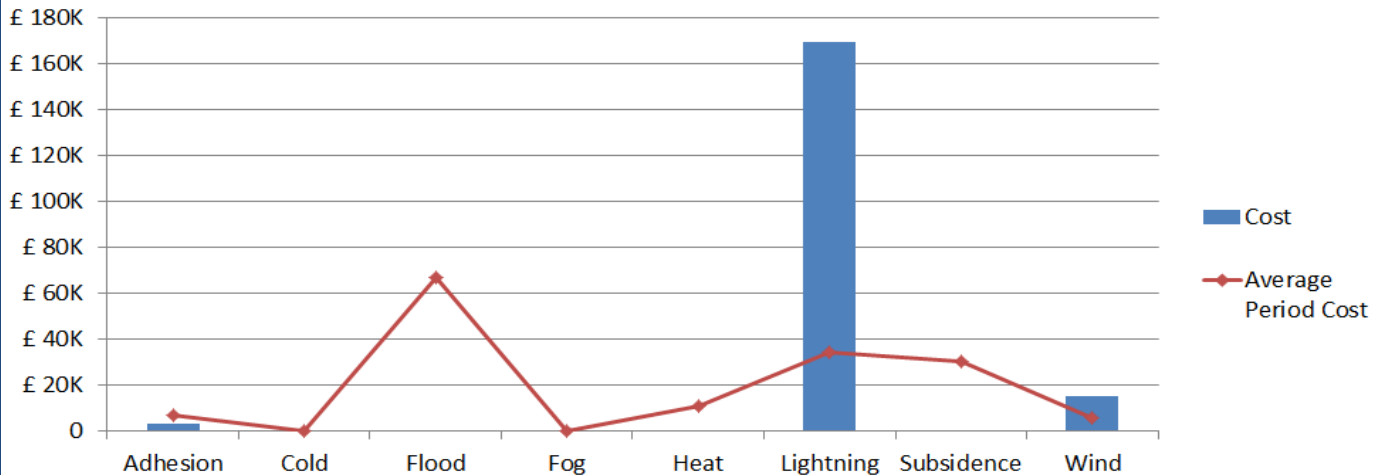


Figure 2 Weather related Schedule 8 cost impact for P6 Western



Note that this figure relates to Schedule 8 cost and does not include OPEX or other costs.

Table 1 Top 10 weather related incidents P6

Date	IncidentDescription	stanoxSection	Route	Weather Category	Minutes	Cost
10/09/2017	BRI BTHMPTJ LIGHTNING STRIKE	Bristol East Depot EWS	WESTERN West	Lightning	1403.5	£169,097.51
13/09/2017	SLO OBSTRUCTION ON LINE	Slough : Maidenhead	WESTERN Thames Valley	Wind	124	£8,801.90
13/09/2017	2K00 HIT TREE SRD CFN	Clifton Down	WESTERN West	Wind	110	£2,798.53
11/09/2017	1A06 ADHESION WORLEJ YAT	Yatton : Worle Jn	WESTERN West	Adhesion	23.5	£2,508.56
13/09/2017	WVCTJN HYD BRANCHES ON LINE	Wolvercote Jn : Heyford	WESTERN Thames Valley	Wind	81	£1,702.62
09/09/2017	2F43 BRANCH ACROSS TRACK EGG	Barnstaple : Eggesford	WESTERN West	Wind	33	£1,333.52
03/09/2017	ROC FLOODING	Goonbarrow Jn	WESTERN West	Flood	4	£358.12
09/09/2017	1A35 PRHC LOS LSK	Liskeard : Lostwithiel	WESTERN West	Adhesion	1.5	£316.14
31/08/2017	1T29 2 LOST BIT OXP	74436 : Bicester Town	WESTERN Thames Valley	Adhesion	3.5	£179.76
12/09/2017	CAU OBSTRUCTION	Liskeard : Looe	WESTERN West	Wind	17	£134.73



Weather Resilience and Climate Change Adaptation

Western Route Periodic Performance Report – 2017/2018 P7

Figure 1 provides an overview of the impact of different weather related events by day for period 7 in relation to delay minutes and PPM performance for Western route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P7 2017 Western

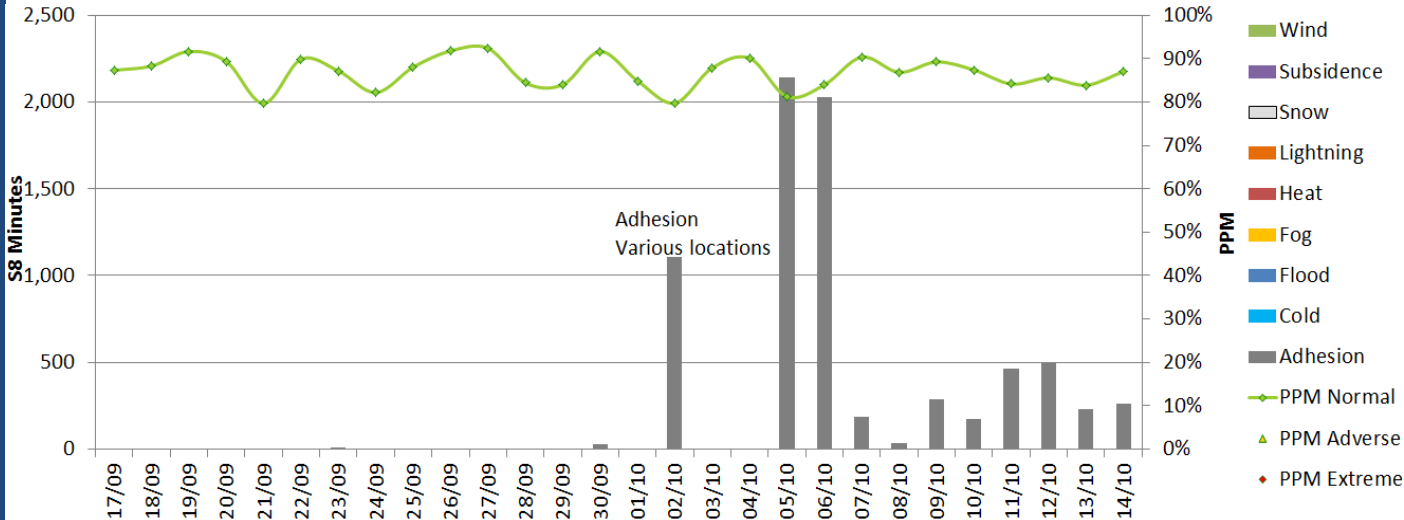
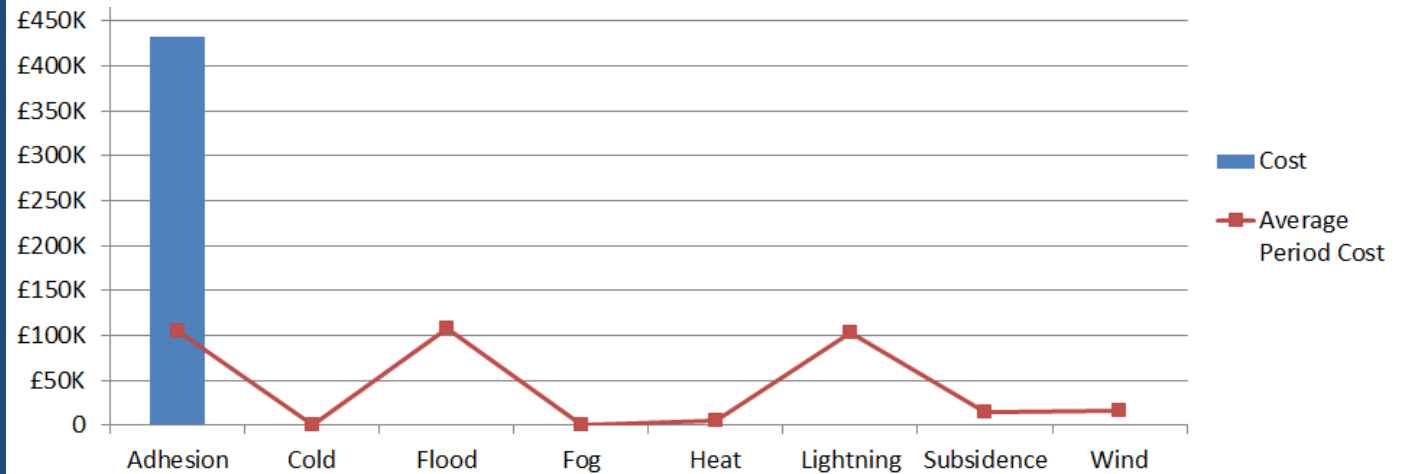


Figure 2 Weather related Schedule 8 cost impact for P7 Western



Note that this figure relates to Schedule 8 cost and does not include OPEX or other costs.

Table 1 Top 10 weather related incidents P7

StartDate	IncidentDescription	stanoxSection	WeatherCategory	Minutes	Cost
06/10/2017	MIM EVE RAILHEAD	Evesham	Adhesion	1798.5	£123,336.01
05/10/2017	1P07 ADHESION EVE MIM	Evesham : Moreton-In-Marsh	Adhesion	1700.5	£98,854.07
12/10/2017	1W12 ADHESION MAI TWY	Maidenhead : Twyford	Adhesion	331	£34,129.09
14/10/2017	POOR RAILHEAD STD STNDSHJ	Standish Jn : Kemble	Adhesion	149	£22,116.09
02/10/2017	2F31 ADHESION BNP EGG	Barnstaple : Eggesford	Adhesion	1098	£15,442.39
11/10/2017	2O94 LFNZ BRI BTH	Bath Spa : Bristol Temple Meads	Adhesion	130.5	£10,146.30
11/10/2017	1P19 LEAF FALL EVE MIM	Evesham : Moreton-In-Marsh	Adhesion	72.75	£6,874.95
09/10/2017	1A76 PRHC BOD	Liskeard : Lostwithiel	Adhesion	42	£5,346.21
13/10/2017	2E92 LEAF FALL MIM AUW	Moreton-In-Marsh : Ascott-Under-Wyke	Adhesion	51.25	£4,468.49
06/10/2017	2K30 3 LOST LFNZ SRD CFN	Clifton Down : Stapleton Road	Adhesion	82.5	£4,391.97

Weather Resilience and Climate Change Adaptation

Western Route Periodic Performance Report – 2017/2018 P8

Figure 1 provides an overview of the impact of different weather related events by day for period 8 in relation to delay minutes and PPM performance for Western route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P8 2017 Western

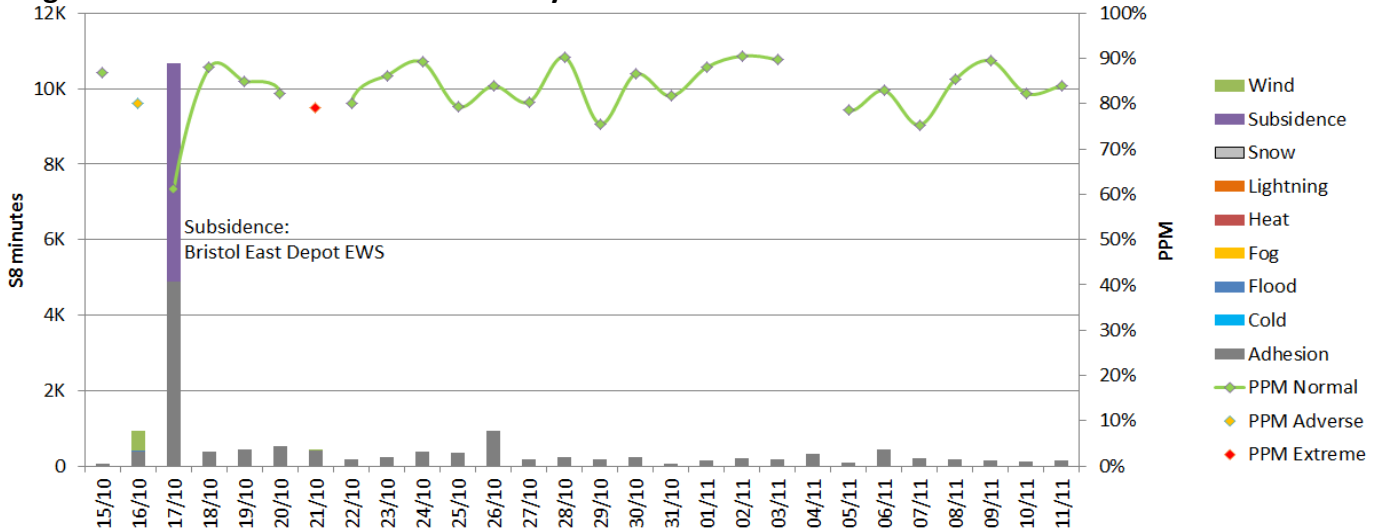
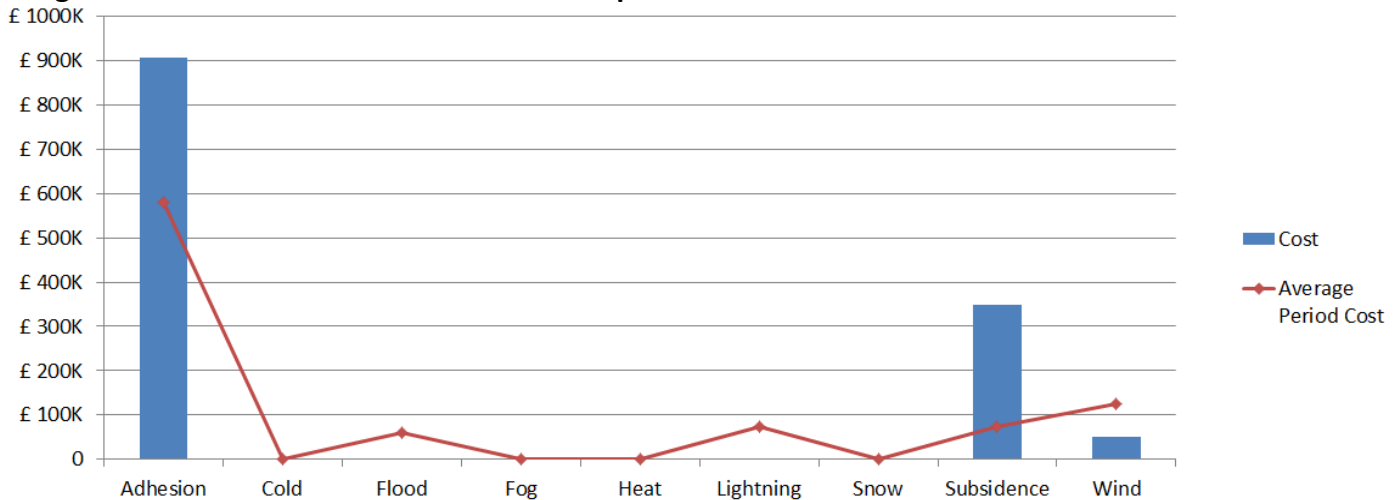


Figure 2 Weather related Schedule 8 cost impact for P8 Western



Note that this figure relates to Schedule 8 cost and does not include OPEX or other costs.

Table 1 Top 10 weather related incidents P8

Date	IncidentDescription	stanoxSection	Route	Weather Category	Minutes	Cost
17/10/2017	BRSTEDT 840 PTS FLR	Bristol East Depot EWS	WESTERN West	Subsidence	5802.5	£348,454.71
17/10/2017	1A82 ERHC TORRE	Newton Abbot : Paignton	WESTERN West	Adhesion	706	£73,967.34
17/10/2017	1A12 ERHC PGN NTA	Newton Abbot : Paignton	WESTERN West	Adhesion	743	£63,352.60
16/10/2017	PROBUS FALLEN TREE	Par : Truro	WESTERN West	Wind	503	£46,690.22
17/10/2017	2R89 ERHC EGG CDI	Eggesford : Crediton	WESTERN West	Adhesion	833	£44,620.24
17/10/2017	1A76 PRHC TRU PAR	Par : Truro	WESTERN West	Adhesion	289	£38,941.49
17/10/2017	1A81 SLIPPED TO STAND TOT NTA	Newton Abbot : Totnes	WESTERN West	Adhesion	345	£30,219.32
17/10/2017	1C76 SLIPPED TO STAND NTA TOT	Newton Abbot : Totnes	WESTERN West	Adhesion	271	£29,470.27
26/10/2017	WOS OXF MISSED RHTT	Worcester Foregate Street : Great Malvern	WESTERN West	Adhesion	426	£25,560.92
17/10/2017	1W41 EHRC MIM EVE	Worcester Shrub Hill	WESTERN West	Adhesion	255.5	£25,316.93



Weather Resilience and Climate Change Adaptation

Western Route Periodic Performance Report – 2017/2018 P9

Figure 1 provides an overview of the impact of different weather related events by day for period 9 in relation to delay minutes and PPM performance for Western route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P9 2017 Western

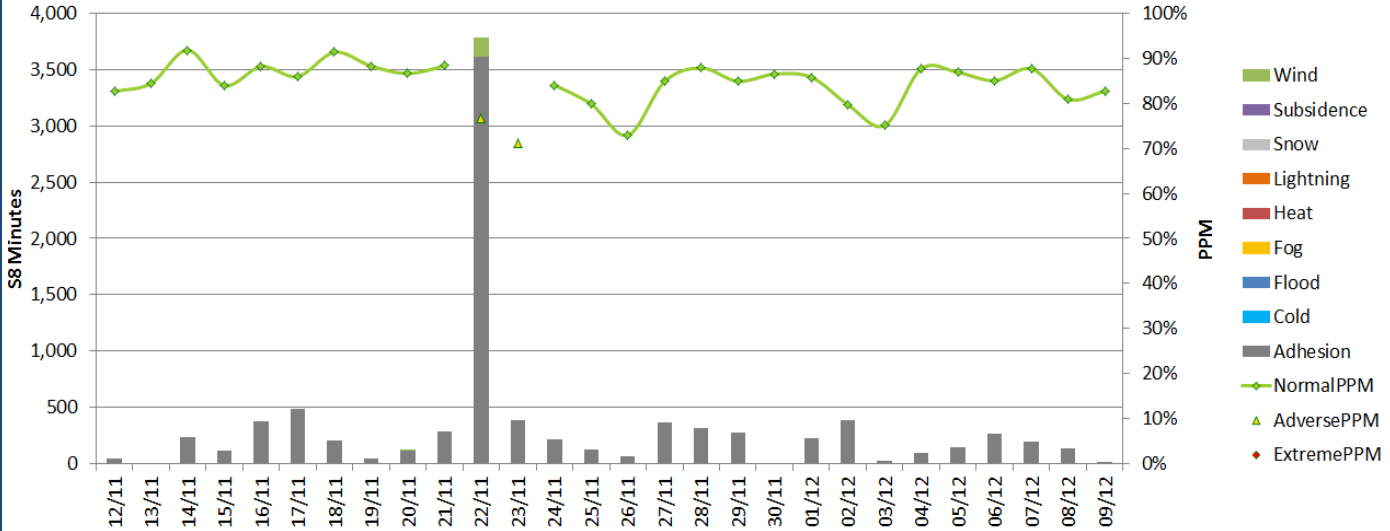
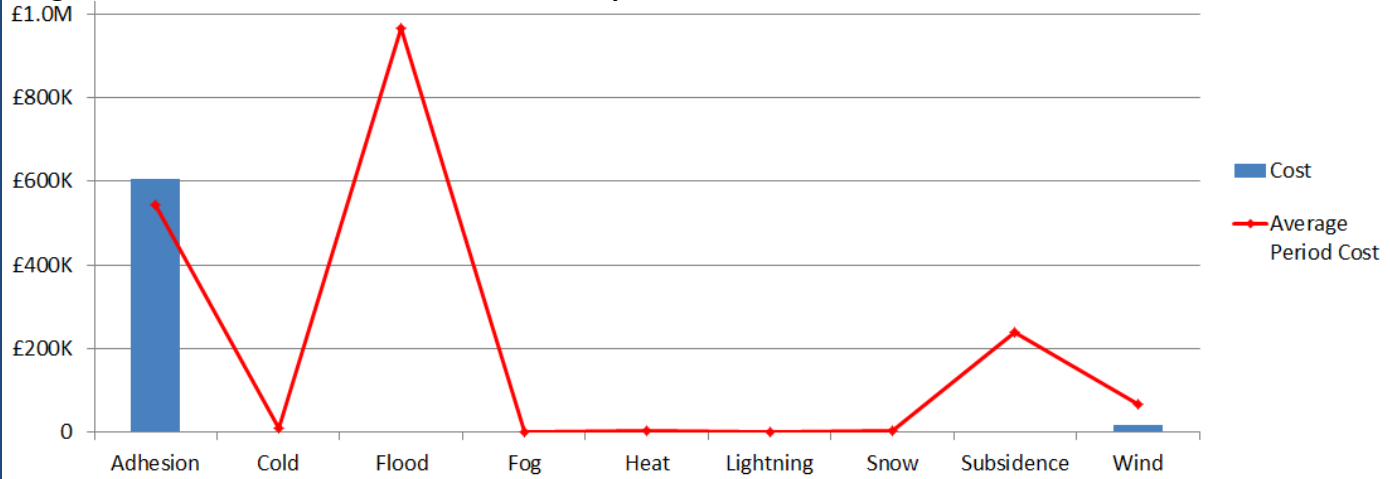


Figure 2 Weather related Schedule 8 cost impact for P9 Western



Note that this figure relates to Schedule 8 cost and does not include OPEX or other costs.

Table 1 Top 10 weather related incidents P9

Date	IncidentDescription	stanoxSection	Weather Category	Delay Minutes	Cost
22/11/2017	1K84 PRHC NBY	Newbury	Adhesion	736	£69,431.26
22/11/2017	1C15 ERHC CPM	Chippenham	Adhesion	784	£58,814.47
22/11/2017	1A35 EXCEPTIONAL RHC TOT NTA	Newton Abbot : Totnes	Adhesion	195	£23,015.55
22/11/2017	DWW EXD OBSTRUCTION	Exeter St Davids : Dawlish Warren	Wind	142	£14,826.21
22/11/2017	1A35 PRHC LIPSONJ HEMERDN	Hemerdon : Lipson Junction	Adhesion	146.5	£14,005.23
17/11/2017	1W23 LEAF FALL WVCTJN AUW	Wolvercote Jn : Ascott-Under-Wychwood	Adhesion	205	£13,718.41
16/11/2017	1L74 PRHC WSTLGHJ	Hullavington : Westerleigh Jn	Adhesion	63.5	£10,473.07
22/11/2017	3J44 RHHT DID	Didcot Parkway	Adhesion	88	£8,463.98
02/12/2017	2O86 LFNZ BRI BTH	Bath Spa : Bristol Temple Meads	Adhesion	177	£8,238.35
23/11/2017	1A21 WHEELSLIP EX DID	Reading : Didcot Parkway	Adhesion	96	£7,940.33



Weather Resilience and Climate Change Adaptation

Western Route Periodic Performance Report – 2017/2018 P10

Figure 1 provides an overview of the impact of different weather related events by day for period 10 in relation to delay minutes and PPM performance for Western route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P10 2017/2018

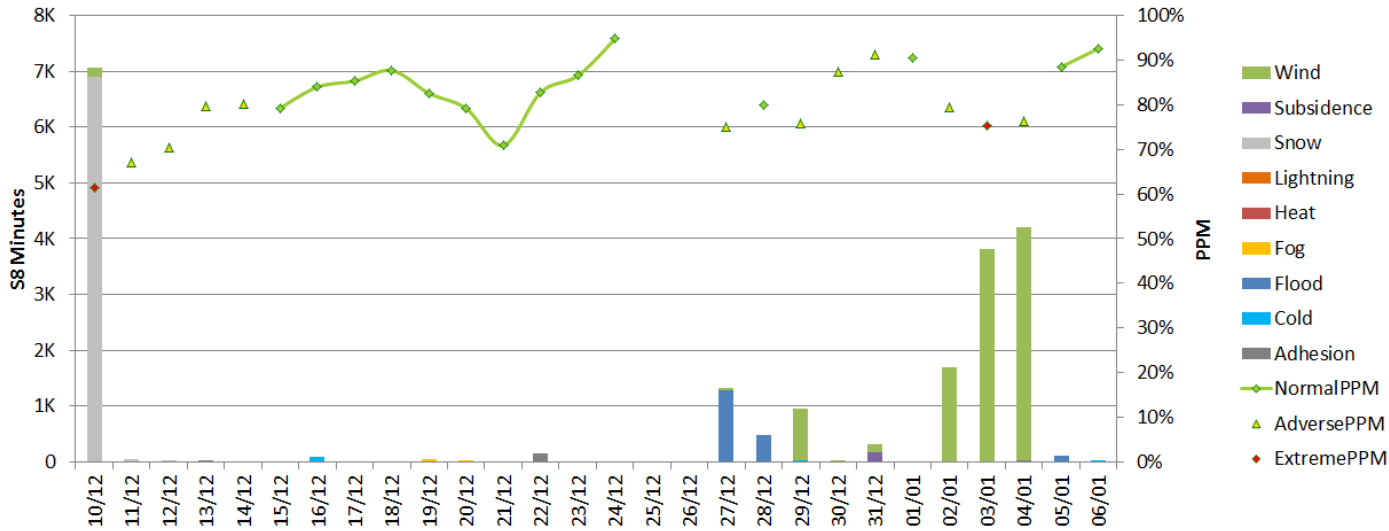
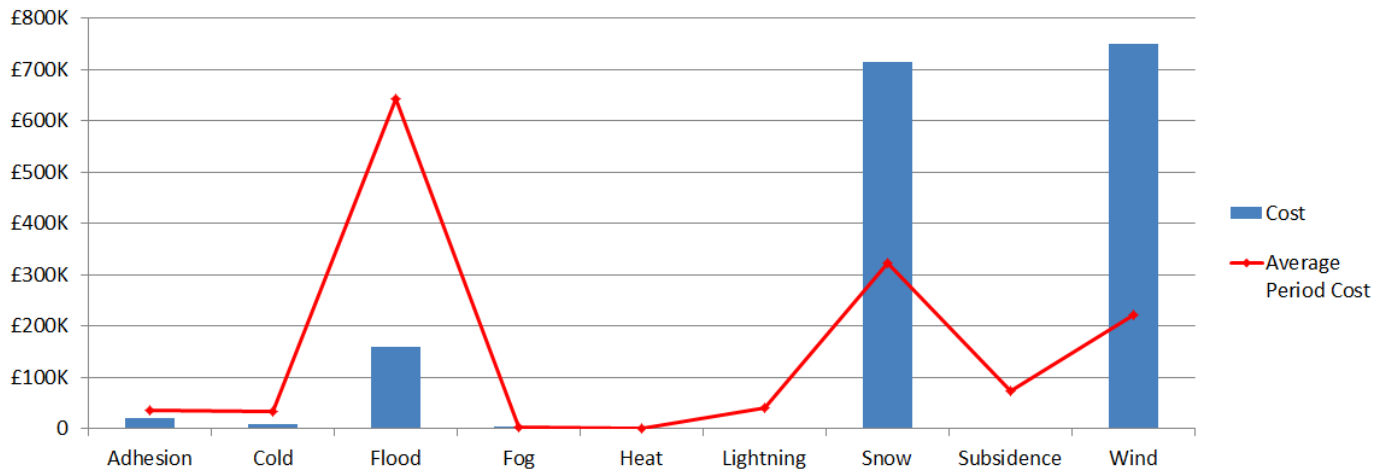


Figure 2 Weather related Schedule 8 cost impact for P10 Western



Note that this figure relates to Schedule 8 cost and does not include OPEX or other costs.

Table 1 Top 10 weather related incidents P10

Date	IncidentDescription	stanoxSection	Route	Weather Category	Delay Minutes	Cost
10/12/2017	MRTNCUT 8528 PTS FLR	Reading : Didcot Parkway	WESTERN Thames Valley	Snow	1937.5	£307,953.62
04/01/2018	HGD HIGH WIND	Newbury : Bedwyn	WESTERN Thames Valley	Wind	1594	£162,646.08
04/01/2018	WVCTJN TAC BRANCHES ON LINE	Wolvercote Jn : Heyford	WESTERN Thames Valley	Wind	2075	£133,937.38
02/01/2018	COGLOAD PNZ BLANKET SPEED	Taunton : Cogload Jn	WESTERN West	Wind	1196	£130,986.43
10/12/2017	OXF 261/262 PTS FLR	Oxford	WESTERN Thames Valley	Snow	1452	£125,336.18
03/01/2018	HAY LDBRKJ OHL TRIP	Hayes & Harlington	WESTERN Thames Valley	Wind	2238.5	£113,980.93
27/12/2017	STANDING WATER CPM WTNBSTJ	Wootton Bassett Jn : Chippenham	WESTERN Thames Valley	Flood	964	£113,796.38
10/12/2017	MIM 18 PTS FLR	Moreton-In-Marsh	WESTERN West	Snow	1036	£107,488.14
10/12/2017	WOS LED SEVERE WEATHER	Worcester Shrub Hill	WESTERN West	Snow	800.52	£61,598.04
29/12/2017	TGM HIGH WINDS	Dawlish Warren : Newton Abbot	WESTERN West	Wind	919	£60,072.52

Weather Resilience and Climate Change Adaptation

Western Route Periodic Performance Report – 2017/2018 P11

Figure 1 provides an overview of the impact of different weather related events by day for period 11 in relation to delay minutes and PPM performance for Western route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P11 2018

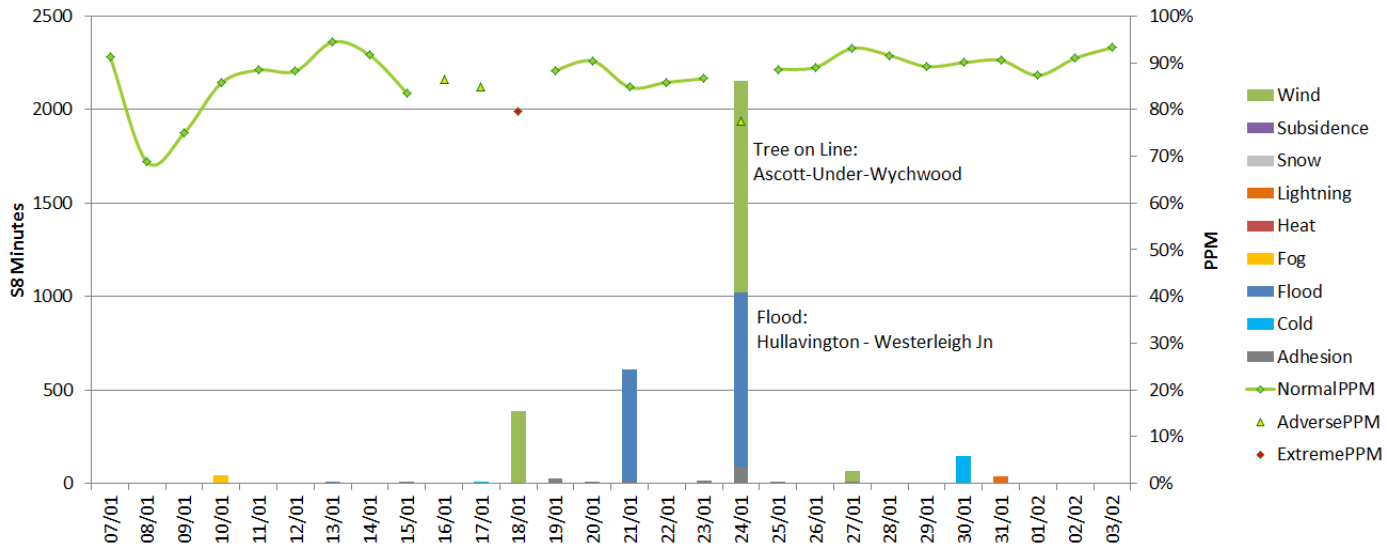
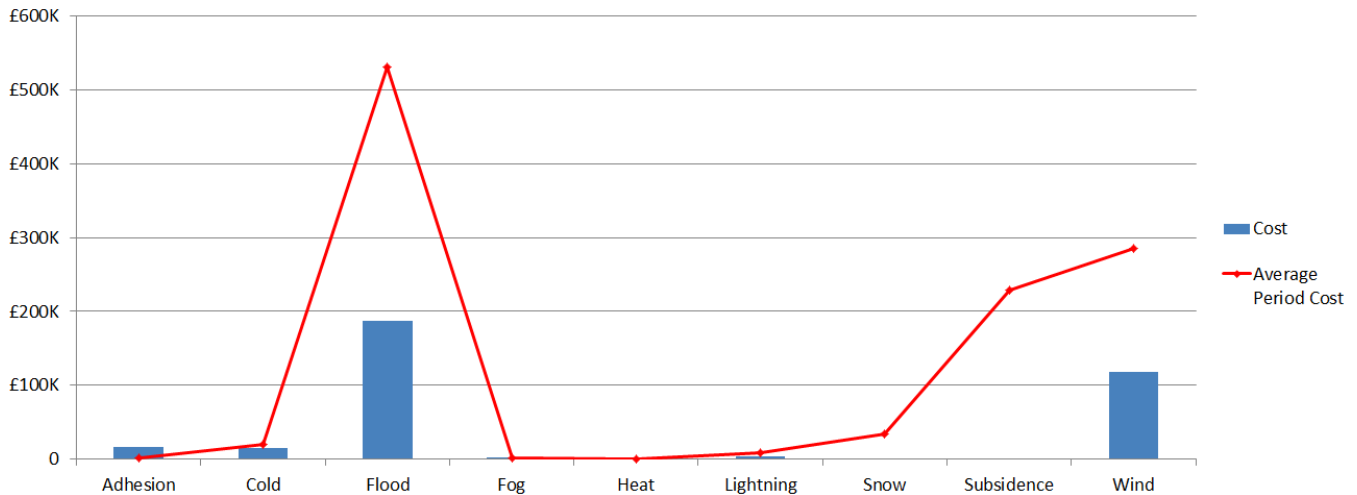


Figure 2 Weather related Schedule 8 cost impact for P11 Western



Note that this figure relates to Schedule 8 cost and does not include OPEX or other costs.

Table 1 Top 10 weather related incidents P11

Date	IncidentDescription	stanoxSection	Route	Weather Category	Delay Minutes	Cost
24/01/2018	AUW TREE ON LINE	Ascott-Under-Wychwood	WESTERN West	Wind	1133	£103,478.94
24/01/2018	CHPSDBY FLOODING	Hullavington : Westerleigh Jn	WESTERN West	Flood	797	£102,336.43
21/01/2018	WTNBSTJ CPM FLOODING	Wootton Bassett Jn : Chippenham	WESTERN Thames Valley	Flood	599.5	£79,214.13
30/01/2018	MIM 18 PTS FLR	Moreton-In-Marsh	WESTERN West	Cold	148	£15,011.64
24/01/2018	1C24 ADHESION RDG DID	Reading : Didcot Parkway	WESTERN Thames Valley	Adhesion	88.25	£10,510.42
18/01/2018	TREE ON LINE PEW	Bedwyn : Woodborough	WESTERN Thames Valley	Wind	36	£7,518.24
31/01/2018	SAU LIGHTNING DV TC FLR	Par : Truro	WESTERN West	Lightning	31	£4,347.16
18/01/2018	TREES ON LINE XAN	Aynho Jn : Heyford	WESTERN Thames Valley	Wind	152	£3,056.40
24/01/2018	FRO WHATLYQ FLOOD	Whatley Quarry	WESTERN Thames Valley	Flood	137	£2,936.36
27/01/2018	WEA HIGH WIND	West Ealing	WESTERN Thames Valley	Wind	62	£2,718.95



Weather Resilience and Climate Change Adaptation

Western Route Periodic Performance Report – 2017/2018 P12

Figure 1 provides an overview of the impact of different weather related events by day for period 12 in relation to delay minutes and PPM performance for Western route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P12 2018

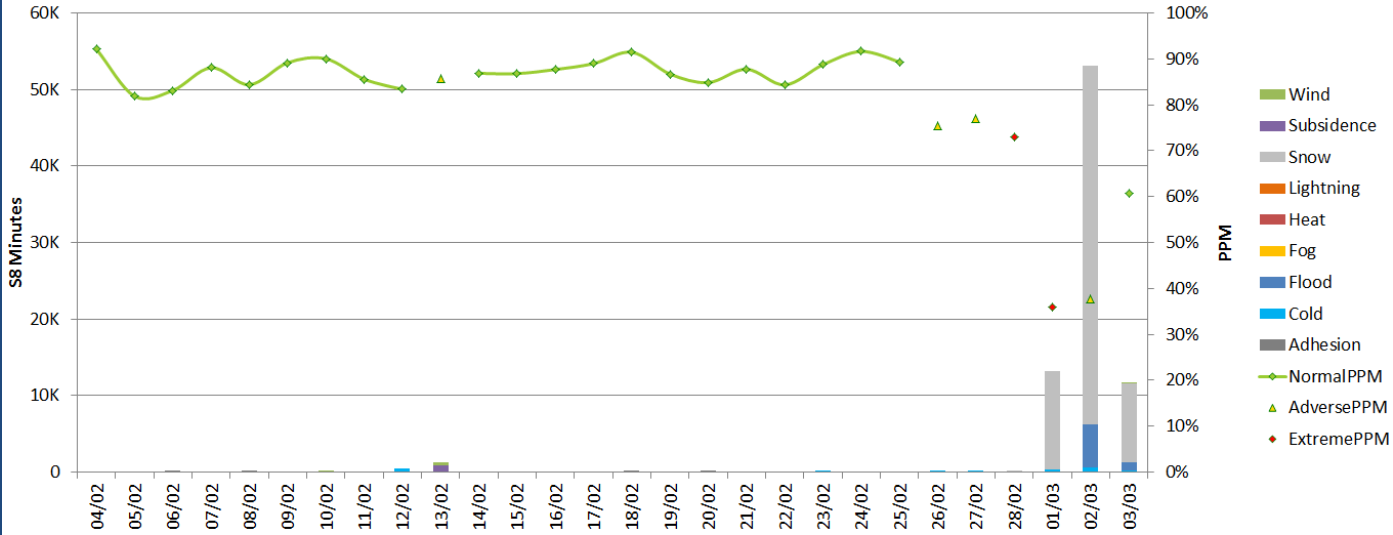
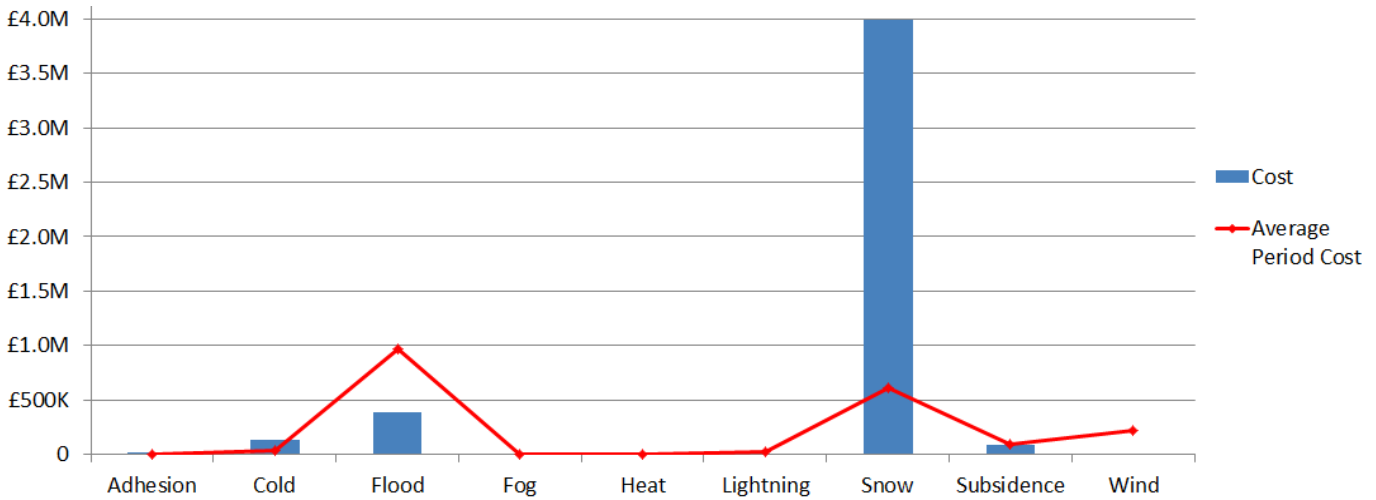


Figure 2 Weather related Schedule 8 cost impact for P12 Western



Note that this figure relates to Schedule 8 cost and does not include OPEX or other costs.

Table 1 Top 10 weather related incidents P12

Date	IncidentDescription	stanoxSection	Route	Weather Category	Delay Minutes	Cost
02/03/2018	TV SEVERE WEATHER SNOW PAD	London Paddington	WESTERN Thames Valley	Snow	11393.5	£1,202,565.52
02/03/2018	W/C SEVERE SNOW CANC 02/03 BRI	Bristol Temple Meads	WESTERN West	Snow	24474.26	£902,592.75
01/03/2018	WEST COUNTRY KRS SNOW BRI	Bristol Temple Meads	WESTERN West	Snow	5895.5	£417,718.20
02/03/2018	DWL SEA WALL FLOODING	Dawlish Warren	WESTERN West	Flood	5534	£297,732.87
02/03/2018	BDW SEVERE WEATHER	Bedwyn	WESTERN Thames Valley	Snow	2179	£216,679.78
03/03/2018	W/C NORTH SEVERE SNOW BRI	Bristol Temple Meads	WESTERN West	Snow	4728.26	£194,875.68
03/03/2018	W/C SOUTH SEVERE SNOW PLY	Plymouth	WESTERN West	Snow	4065	£179,688.21
02/03/2018	SNOW DRIFT ASC XAY	Abbotswood Jn : Ashchurch For Tewkesbury	WESTERN West	Snow	2655.13	£155,379.67
02/03/2018	SEVERE WEATHER EFFECTS WSB	Westburyw	WESTERN Thames Valley	Snow	2709	£122,818.51
02/03/2018	SEVERE WEATHER EFFECTS BRI	Bristol Temple Meads	WESTERN West	Snow	1639	£98,132.78



Weather Resilience and Climate Change Adaptation

Western Route Periodic Performance Report – 2017/2018 P13

Figure 1 provides an overview of the impact of different weather related events by day for period 13 in relation to delay minutes and PPM performance for Western route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P13 2018 Western

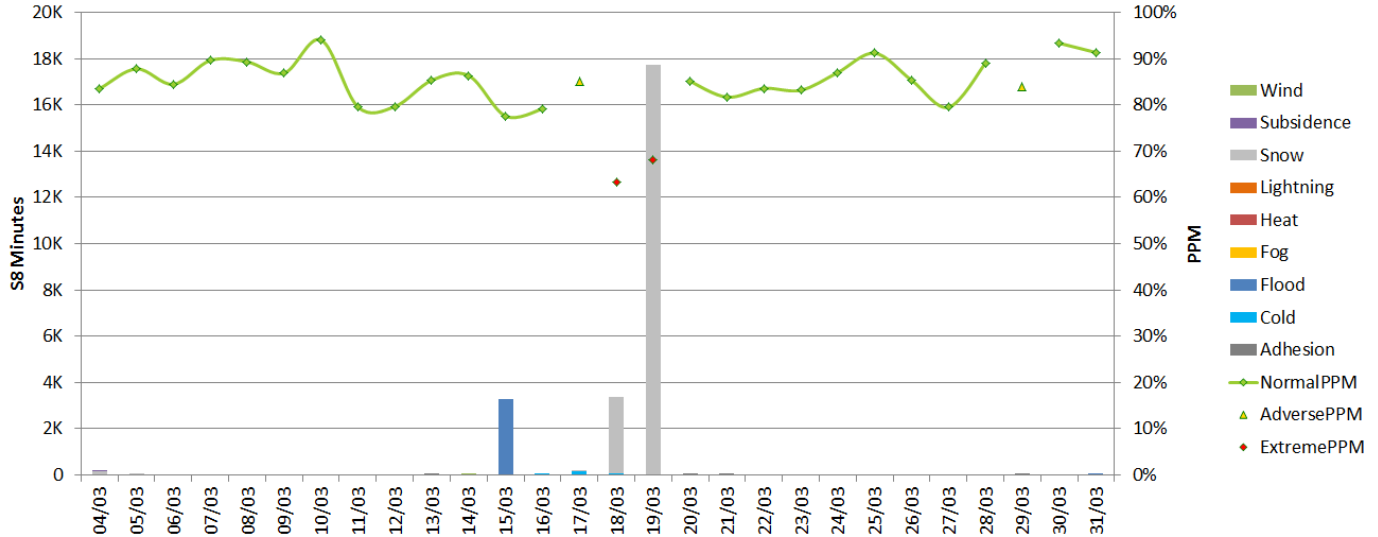
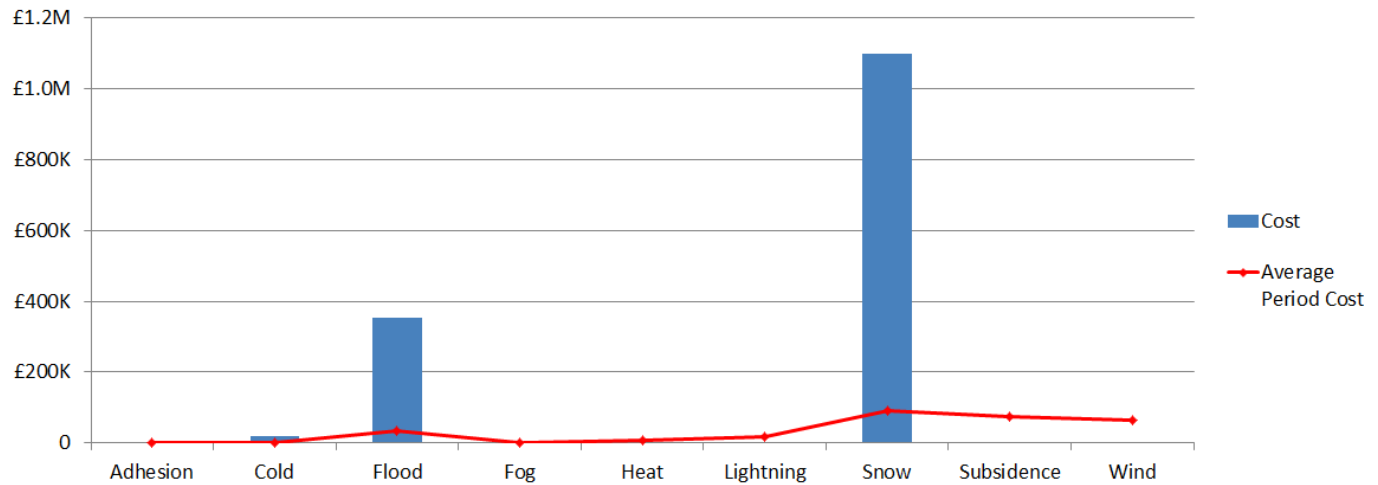


Figure 2 Weather related Schedule 8 cost impact for P13 Western



Note that this figure relates to Schedule 8 cost and does not include OPEX or other costs.

Table 1 Top 10 weather related incidents P13

Date	IncidentDescription	stanoxSection	Route	Weather Category	Delay Minutes	Cost
15/03/2018	TVP EXD FLOODING	Iverton Parkway : Cowley Bridge Jr	WESTERN West	Flood	3275.5	£351,864.94
19/03/2018	SWI STNDSHJ KRS	Kemble	WESTERN Thames Valley	Snow	2098	£201,421.59
19/03/2018	WSB SWI KRS 19/03/18	Westburyw	WESTERN Thames Valley	Snow	3978	£158,755.39
19/03/2018	PAD TV KRS 19/03/18	London Paddington	WESTERN Thames Valley	Snow	1245	£113,960.55
19/03/2018	WSB 887 PTS FLR	Westburyw : Warminster	WESTERN Thames Valley	Snow	2016	£86,054.99
19/03/2018	SCOTEJN BDW KRS 19/03/18	Southcote Jn : Newbury	WESTERN Thames Valley	Snow	2295.5	£83,131.43
19/03/2018	EXD KRS 19/03/18	Exeter St Davids	WESTERN West	Snow	2814.5	£63,471.91
18/03/2018	BDW 921 PTS FLR	Bedwyn	WESTERN Thames Valley	Snow	770	£41,216.00
19/03/2018	WSB 855A PTS FLR	Bradford Jn : Westburyw	WESTERN Thames Valley	Snow	313	£37,937.43
19/03/2018	PSN 751A PTS FLR	Bristol Temple Meads	WESTERN West	Snow	634	£35,212.03