

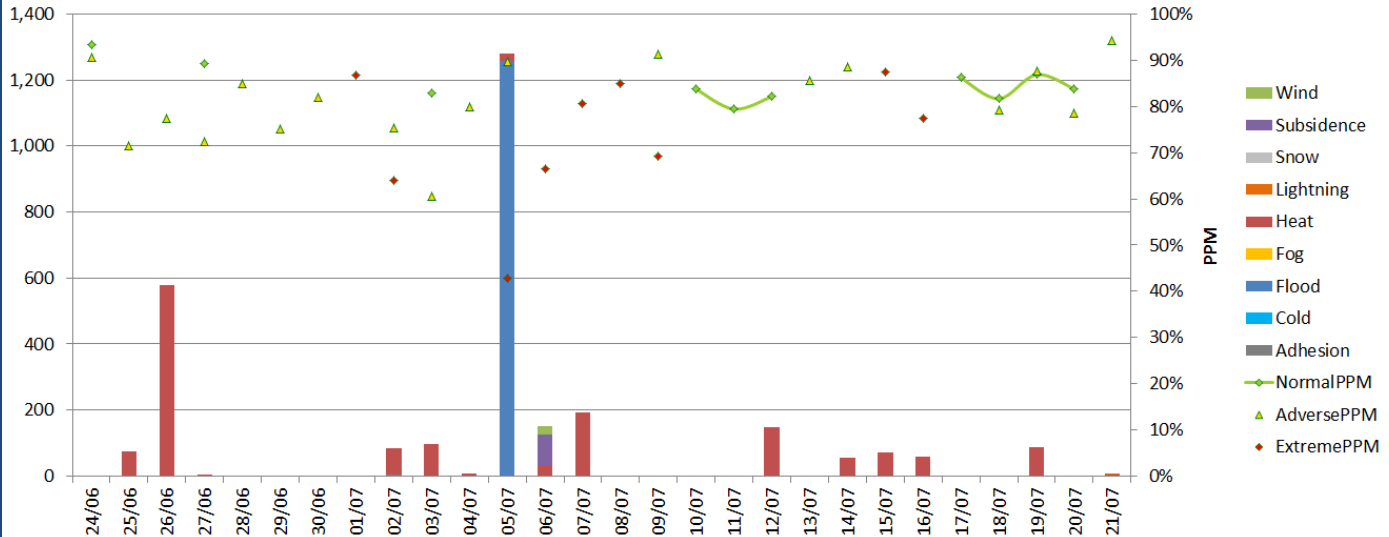


# Weather Resilience and Climate Change Adaptation

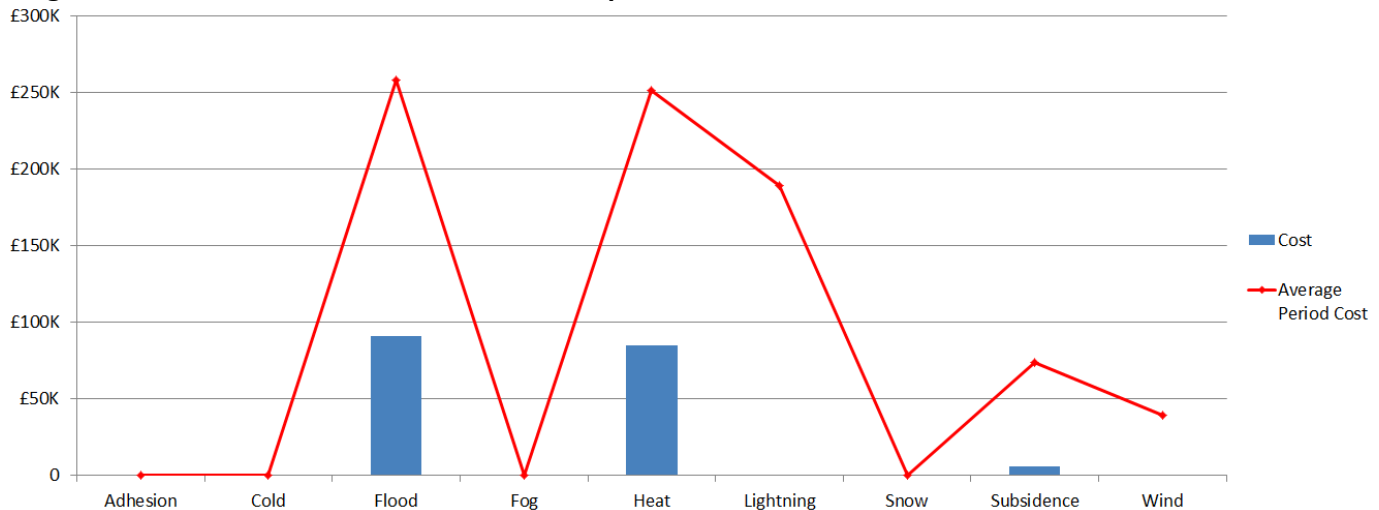
## Southern Route Periodic Performance Report – 2018/2019 P4

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 Southern 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 2018**



**Figure 2 Weather related Schedule 8 cost impact for P4 Southern**



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

**Table 1 Top 10 weather related incidents P4**

Date	IncidentDescription	stanoxSection	Route	Weather Category	Delay Minutes	Cost
05/07/2018	TBW FLOODING	Tunbridge Wells	KENT	Flood	1257	£90,682.89
26/06/2018	NWD ECR HEAT	Norwood Junction : East Croydon	SUSSEX	Heat	473	£29,843.16
07/07/2018	GTW HOR 20MPH ESR HEAT	Earlswood (Surrey) : Gatwick Airport	SUSSEX	Heat	141	£14,694.81
15/07/2018	GTW 20MPH HEAT SPEED	Gatwick Airport	SUSSEX	Heat	72	£7,952.19
16/07/2018	XSL CLJ HEAT SPEED	87274	SUSSEX	Heat	53	£6,012.00
06/07/2018	PMP RAIL DEFECT UL	Keymer Jn : Lewes	SUSSEX	Subsidence	92	£5,911.17
14/07/2018	GTW T1704 PTS HEAT	Gatwick Airport	SUSSEX	Heat	39	£4,165.11
25/06/2018	NWD ECR HEAT SPEED DS	Norwood Junction : East Croydon	SUSSEX	Heat	45	£3,777.34
26/06/2018	NINELMJ HEAT SPEED DMF	Nine Elms Jn : Clapham Junction	SUSSEX	Heat	51	£3,406.05
12/07/2018	HEAT SPEED BMN GRP	Grove Park : Bromley North	KENT	Heat	147	£2,346.12