

Oberon Report Indicators (up to and including Q2/2020)

This paper, provided by NERL, reports on three London Approach capacity metrics:

- Total London Approach air traffic flow management (ATFM) delays, broken down by approach function and delay cause
- Average London Approach ATFM delay per arrival, broken down by approach function and delay cause and
- Average UK ATFM delay per arrivals, broken down by approach function and delay cause.

Data is provided on an annual basis. The delays relating to London do not include regulations applied to other UK sectors outside of the London Approach functions.

As with previous reports, this paper contains information about all delay causes. This gives a more complete picture for all London Approach Airports. All delay causes includes non NERL attributable (airfield or weather) as well as NERL attributable relating to:

- ATC Capacity (Airspace Capacity)
- Airspace Management
- ATC Staffing
- ATC Routings
- ATC Equipment
- ATC Special Event (Projects, eg ExCDS) and
- Military¹.

Background to changes to NERL delays

The data for 2017 and 2018² now reflects the changes made by the Network Manager through its post-operational adjustments. Additionally, the data presented for 2019 will be subject to change later in 2020.

Special event delays in 2017 and 2018 were caused by the introduction of a new electronic flight strip system (ExCDS). This was implemented in 5 phases between November 2017 and July 2018. Airlines and airports were fully consulted on the implementation plan to minimise disruption. Special event delays relate to the introduction of a change in the operation (e.g. a new technology) and are applied to ensure the change is implemented safely. This report has been updated to include all delays relating to ExCDS transitions. This has resulted in a slight increase in Special Event delays that were reported in NATS statistics but omitted from the original Oberon reports for Jan-Mar and Jan-Jun 18.

ATC capacity delays have increased at Luton and Stansted in 2018. This is due to growth in traffic demand at peak times exceeding the capacity of the Essex airspace, which handles the approaches for both Luton and Stansted. Airspace modernisation is required to increase the capacity of the airspace. ATC capacity delays are applied when traffic demand exceeds the capacity of the airspace, to ensure that all flights are handled safely. ATC capacity delays do not include delays caused by staffing, as these are captured separately in 'ATC staffing delays'. As a result of post ExCDS implementation review of TC Monitor Values

¹ This category is included as a cause of NERL delay because it is listed as one in NERL's Licence. However, it is not shown in the tables and charts because the military did not generate any delay over the period.

² All regulation level reattributions for 2018 have been implemented, however a very small number of flight specific reattributions remain outstanding.

(MV), the MV for Essex airspace has been increased by 2 flights per hour which should help mitigate some capacity delays in this airspace.

London Approach Air Traffic Flow Management (ATFM) delays, broken down by approach function and delay cause: NERL attributable and all causes

The tables and charts shows total Air Traffic Flow Management delay minutes for the approach service to the 5 London Approach airfields, firstly for NERL attributable delay and then all causes (with NERL attributable delay highlighted in yellow).

NERL London Approach Air Traffic Flow Management (ATFM) delays (min), broken down by approach function and delay cause

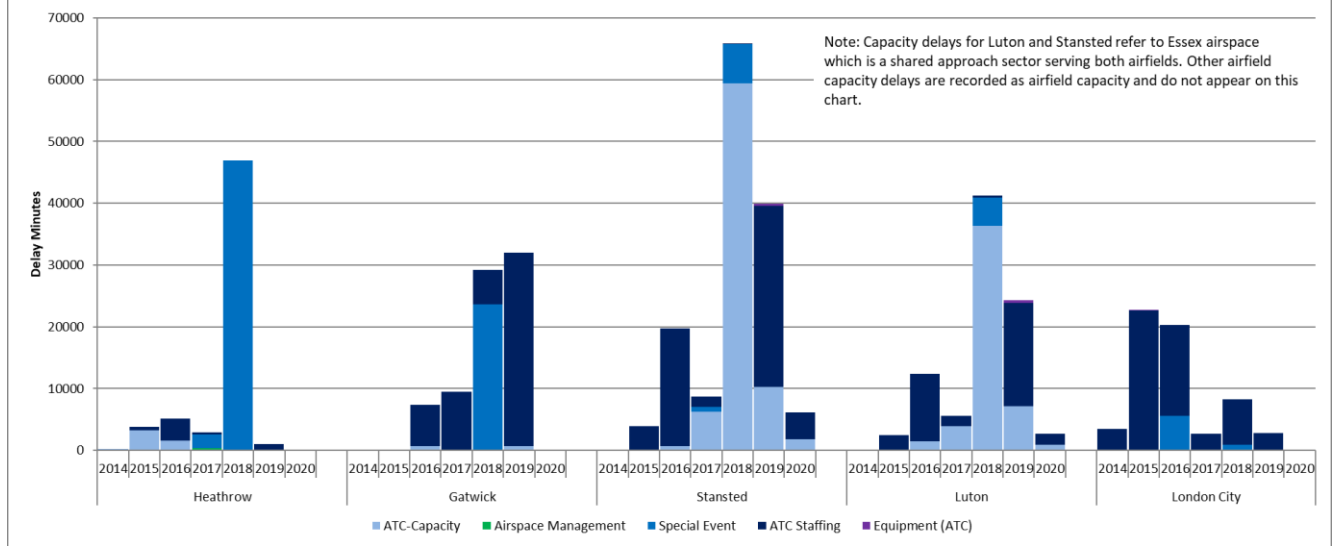
Airport	Year	ATC-Capacity	Airspace Management	Special Event	ATC Staffing	Equipment (ATC)	Total NERL Delay
Heathrow	2014	216	0	0	0	0	216
	2015	3257	0	0	508	0	3765
	2016	1612	0	0	3482	0	5094
	2017	125	182	2265	316	0	2888
	2018	95	0	46887	0	0	46982
	2019	0	0	0	994	0	994
	2020	0	0	0	0	25	25
Gatwick	2014	0	0	0	0	0	0
	2015	0	0	0	0	0	0
	2016	695	0	0	6665	0	7360
	2017	0	0	0	9446	0	9446
	2018	173	0	23488	5578	0	29239
	2019	727	0	0	31237	0	31964
	2020	0	0	0	0	0	0
Stansted	2014	0	0	0	0	0	0
	2015	0	0	0	3964	0	3964
	2016	654	0	0	19045	0	19699
	2017	6266	0	768	1673	0	8707
	2018	59377	0	6391	155	0	65923
	2019	10284	0	0	29281	339	39904
	2020	1825	0	0	4262	0	6087
Luton	2014	0	0	0	0	0	0
	2015	0	0	0	2451	0	2451
	2016	1476	0	0	10857	0	12333
	2017	3878	0	0	1686	0	5564
	2018	36304	0	4636	295	0	41235
	2019	7116	0	0	16719	444	24279
	2020	942	0	0	1769	0	2711
London City	2014	0	0	0	3428	0	3428
	2015	0	0	0	22608	26	22634
	2016	0	0	5575	14714	0	20289
	2017	0	0	0	2722	0	2722
	2018	0	0	907	7316	0	8223
	2019	0	0	0	2804	0	2804
	2020	0	0	0	0	0	0

Total London Approach Air Traffic Flow Management (ATFM) delays (min), broken down by approach function and delay cause

Airport	Year	ATC-Capacity	Equipment (non-ATC)	Aerodrome Capacity	Airspace Management	Other	Special Event	ATC Staffing	Equipment (ATC)	Weather	Airport (Weather)	Airport (All Other Causes)	Total NERL Delay	Total ATFM Delay	
Heathrow	2014	216	0	0	0	0	216	0	0	0	3173	400446	46988	216	451039
	2015	3257	0	0	0	0	0	0	508	0	5538	450698	51081	3765	511082
	2016	1612	0	0	0	0	288	0	3482	0	1292	423111	17600	5094	447385
	2017	125	0	0	0	182	0	2265	316	0	4572	434077	22524	2888	464061
	2018	95	0	0	0	0	173	46887	0	0	426	333028	106885	46982	487194
	2019	0	0	0	0	0	0	0	994	0	304	371025	54498	994	426821
	2020	0	0	0	0	0	0	0	0	25	0	140925	560	25	141510
Gatwick	2014	0	0	0	0	0	0	0	0	0	72769	16633	0	0	89402
	2015	0	0	0	0	0	0	0	0	0	109219	29447	0	0	138666
	2016	695	0	0	0	0	0	0	6665	0	241499	95559	7360	344418	
	2017	0	0	0	0	0	0	0	9446	0	217436	237409	9446	464291	
	2018	173	0	0	0	0	0	23488	5578	0	164114	220137	29239	413490	
	2019	727	0	0	0	0	0	0	31237	0	122607	260860	31964	415431	
	2020	0	0	0	0	0	0	0	0	0	23147	11035	0	0	34182
Stansted	2014	0	0	0	0	0	0	0	0	0	587	1767	4196	0	6550
	2015	0	0	0	0	0	0	0	3964	0	1985	18933	9543	3964	34425
	2016	654	0	0	0	0	0	0	19045	0	8421	67488	5143	19699	100751
	2017	6266	0	0	0	0	11	768	1673	0	14168	65719	22148	8707	110753
	2018	59377	573	360	0	0	689	6391	155	0	8119	91676	31417	65923	198757
	2019	10284	0	0	0	0	496	0	29281	339	6651	24823	11886	39904	83760
	2020	1825	0	0	0	0	0	0	4262	0	0	7937	43	6087	14067
Luton	2014	0	0	0	0	0	0	0	0	0	443	339	2440	0	3222
	2015	0	0	0	0	0	0	0	2451	0	1278	11053	5312	2451	20094
	2016	1476	0	0	0	0	0	0	10857	0	6808	45384	9320	12333	73845
	2017	3878	0	0	0	0	31	0	1686	0	10753	32492	4830	5664	53670
	2018	36304	0	0	0	0	516	4636	295	0	4889	27725	9288	41235	83653
	2019	7116	0	0	0	0	253	0	16719	444	4370	27780	25851	24279	82533
	2020	942	0	0	0	0	0	0	1769	0	0	6477	4710	2711	13898
London City	2014	0	0	0	0	0	0	0	3428	0	542	41405	9589	3428	54964
	2015	0	0	0	0	0	0	0	22608	26	0	28887	12107	22634	63628
	2016	0	0	0	0	0	0	5575	14714	0	4582	55235	20168	20289	100274
	2017	0	0	0	0	0	0	0	2722	0	184	56945	6060	2722	65911
	2018	0	0	0	0	0	0	907	7316	0	0	43752	6666	8223	58641
	2019	0	0	0	0	0	0	0	2804	0	0	49179	66435	2804	118418
	2020	0	0	0	0	0	0	0	0	0	0	7651	19921	0	27572

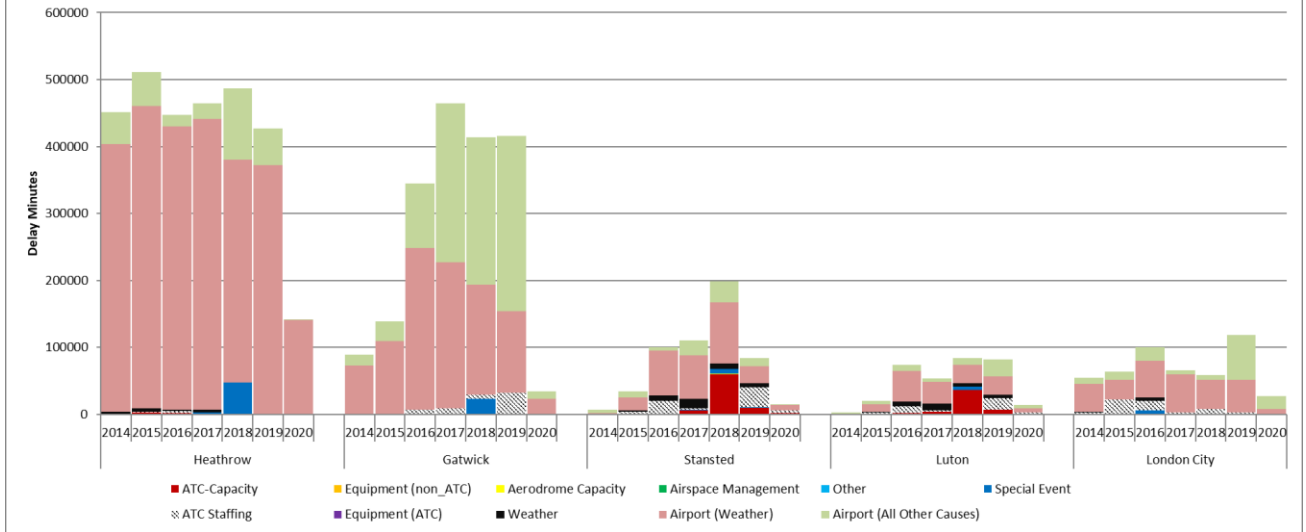
NERL London Approach Air Traffic Flow Management (ATFM) delays, broken down by approach function and delay cause

note: 2020 data is for Jan - Jun



Total London Approach Air Traffic Flow Management (ATFM) delays, broken down by approach function and delay cause

note: 2020 data is for Jan - Jun



London Approach ATFM delay per arrival, broken down by approach function and delay cause: NERL attributable and all causes

The tables and charts show average Air Traffic Flow Management delay per flight for the approach service to the 5 London Approach airfields, firstly for NERL attributable delay and then all causes (with NERL attributable delay highlighted in yellow).

Average NERL London Approach ATFM delay per arrival (sec), broken down by approach function and delay cause

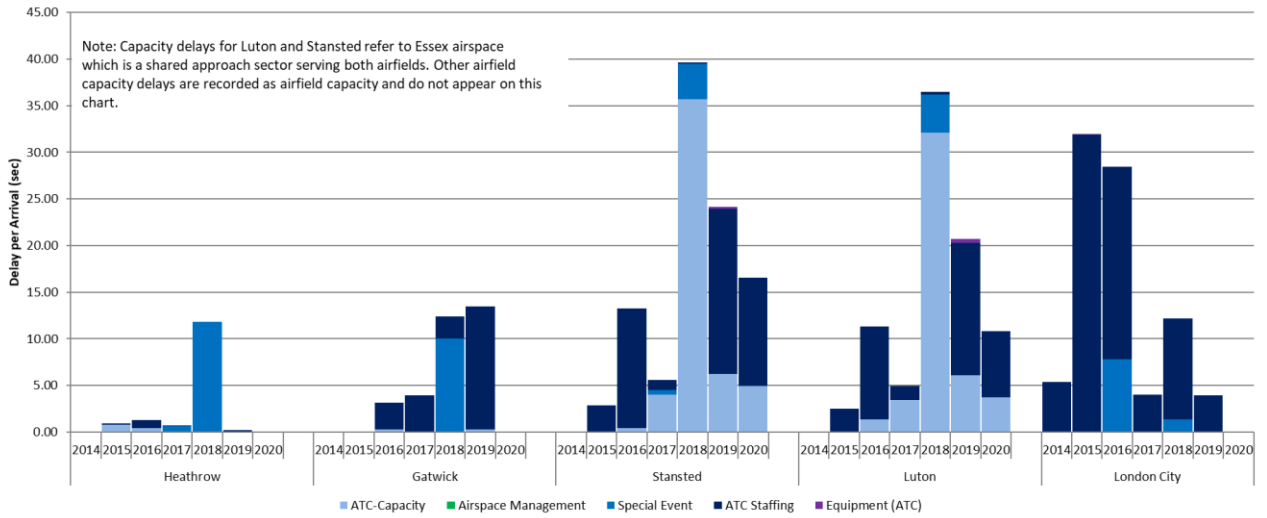
Airport	Year	ATC-Capacity	Airspace Management	Special Event	ATC Staffing	Equipment (ATC)	Total NERL Delay
Heathrow	2014	0.05	0.00	0.00	0.00	0.00	0.05
	2015	0.82	0.00	0.00	0.13	0.00	0.95
	2016	0.41	0.00	0.00	0.88	0.00	1.29
	2017	0.03	0.05	0.57	0.08	0.00	0.73
	2018	0.02	0.00	11.80	0.00	0.00	11.82
	2019	0.00	0.00	0.00	0.25	0.00	0.25
	2020	0.00	0.00	0.00	0.00	0.03	0.03
Gatwick	2014	0.00	0.00	0.00	0.00	0.00	0.00
	2015	0.00	0.00	0.00	0.00	0.00	0.00
	2016	0.30	0.00	0.00	2.86	0.00	3.15
	2017	0.00	0.00	0.00	3.97	0.00	3.97
	2018	0.07	0.00	9.94	2.36	0.00	12.37
	2019	0.31	0.00	0.00	13.16	0.00	13.47
	2020	0.00	0.00	0.00	0.00	0.00	0.00
Stansted	2014	0.00	0.00	0.00	0.00	0.00	0.00
	2015	0.00	0.00	0.00	2.84	0.00	2.84
	2016	0.44	0.00	0.00	12.80	0.00	13.24
	2017	4.00	0.00	0.49	1.07	0.00	5.56
	2018	35.68	0.00	3.84	0.09	0.00	39.62
	2019	6.22	0.00	0.00	17.71	0.21	24.14
	2020	4.96	0.00	0.00	11.59	0.00	16.55
Luton	2014	0.00	0.00	0.00	0.00	0.00	0.00
	2015	0.00	0.00	0.00	2.54	0.00	2.54
	2016	1.35	0.00	0.00	9.95	0.00	11.30
	2017	3.44	0.00	0.00	1.50	0.00	4.94
	2018	32.13	0.00	4.10	0.26	0.00	36.49
	2019	6.06	0.00	0.00	14.25	0.38	20.69
	2020	3.76	0.00	0.00	7.06	0.00	10.82
London City	2014	0.00	0.00	0.00	5.40	0.00	5.40
	2015	0.00	0.00	0.00	31.90	0.04	31.93
	2016	0.00	0.00	7.83	20.65	0.00	28.48
	2017	0.00	0.00	0.00	4.04	0.00	4.04
	2018	0.00	0.00	1.34	10.82	0.00	12.16
	2019	0.00	0.00	0.00	3.97	0.00	3.97
	2020	0.00	0.00	0.00	0.00	0.00	0.00

Average London Approach ATFM delay per arrival (sec), broken down by approach function and delay cause

Airport	Year	ATC-Capacity	Equipment (non_ATC)	Aerodrome Capacity	Airspace Management	Other	Special Event	ATC Staffing	Equipment (ATC)	Weather	Airport (Weather)	Airport (All Other Causes)	Total NERL Delay	Total ATFM Delay	
Heathrow	2014	0.05	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.80	101.59	11.92	0.05	114.43	
	2015	0.82	0.00	0.00	0.00	0.00	0.00	0.13	0.00	1.40	114.07	12.93	0.95	129.35	
	2016	0.41	0.00	0.00	0.00	0.00	0.07	0.00	0.88	0.00	0.33	106.88	4.45	1.29	113.01
	2017	0.03	0.00	0.00	0.00	0.05	0.00	0.57	0.08	0.00	1.15	109.43	5.68	0.73	116.99
	2018	0.02	0.00	0.00	0.00	0.00	0.04	11.80	0.00	0.00	0.11	83.78	26.81	11.82	122.56
	2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.08	93.14	13.68	0.25	107.15
	2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	141.29	0.56	0.03	141.88
Gatwick	2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.34	7.62	0.00	40.96	
	2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.96	13.20	0.00	62.16	
	2016	0.30	0.00	0.00	0.00	0.00	0.00	0.00	2.86	0.00	0.00	103.49	40.95	3.15	147.60
	2017	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.97	0.00	0.00	91.33	99.72	3.97	195.02
	2018	0.07	0.00	0.00	0.00	0.00	0.00	9.94	2.36	0.00	0.00	69.45	93.16	12.37	174.98
	2019	0.31	0.00	0.00	0.00	0.00	0.00	0.00	13.16	0.00	0.00	51.66	109.92	13.47	175.05
	2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.81	25.18	0.00	77.99
Stansted	2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	1.36	3.22	0.00	5.02	
	2015	0.00	0.00	0.00	0.00	0.00	0.00	2.84	0.00	1.42	13.57	6.84	2.84	24.67	
	2016	0.44	0.00	0.00	0.00	0.00	0.00	0.00	12.80	0.00	5.66	45.36	3.46	13.24	67.72
	2017	4.00	0.00	0.00	0.00	0.00	0.01	0.49	1.07	0.00	9.05	41.99	14.15	5.56	70.76
	2018	35.68	0.34	0.22	0.00	0.00	0.41	3.84	0.09	0.00	4.88	55.10	18.88	39.62	119.45
	2019	6.22	0.00	0.00	0.00	0.00	0.30	0.00	17.71	0.21	4.02	15.01	7.19	24.14	50.66
	2020	4.96	0.00	0.00	0.00	0.00	0.00	0.00	11.59	0.00	0.00	21.58	0.12	16.55	38.25
Luton	2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.39	2.80	0.00	3.69	
	2015	0.00	0.00	0.00	0.00	0.00	0.00	2.54	0.00	1.32	11.44	5.50	2.54	20.80	
	2016	1.35	0.00	0.00	0.00	0.00	0.00	0.00	9.95	0.00	6.24	41.59	8.54	11.30	67.67
	2017	3.44	0.00	0.00	0.00	0.00	0.03	0.00	1.50	0.00	9.55	28.85	4.29	4.94	47.66
	2018	32.13	0.00	0.00	0.00	0.00	0.46	4.10	0.26	0.00	4.33	24.53	8.22	36.49	74.02
	2019	6.06	0.00	0.00	0.00	0.00	0.22	0.00	14.25	0.38	3.72	23.67	22.03	20.69	70.33
	2020	3.76	0.00	0.00	0.00	0.00	0.00	0.00	7.06	0.00	0.00	25.84	18.79	10.82	55.45
London City	2014	0.00	0.00	0.00	0.00	0.00	0.00	5.40	0.00	0.85	65.24	15.11	5.40	86.61	
	2015	0.00	0.00	0.00	0.00	0.00	0.00	31.90	0.04	0.00	40.76	17.08	31.93	89.77	
	2016	0.00	0.00	0.00	0.00	0.00	0.00	7.83	20.65	0.00	6.43	77.53	28.31	28.48	140.76
	2017	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.04	0.00	0.27	84.49	8.99	4.04	97.79
	2018	0.00	0.00	0.00	0.00	0.00	0.00	1.34	10.82	0.00	0.00	64.73	9.86	12.16	86.75
	2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.97	0.00	0.00	69.69	94.15	3.97	167.81
	2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56.93	148.22	0.00	205.15

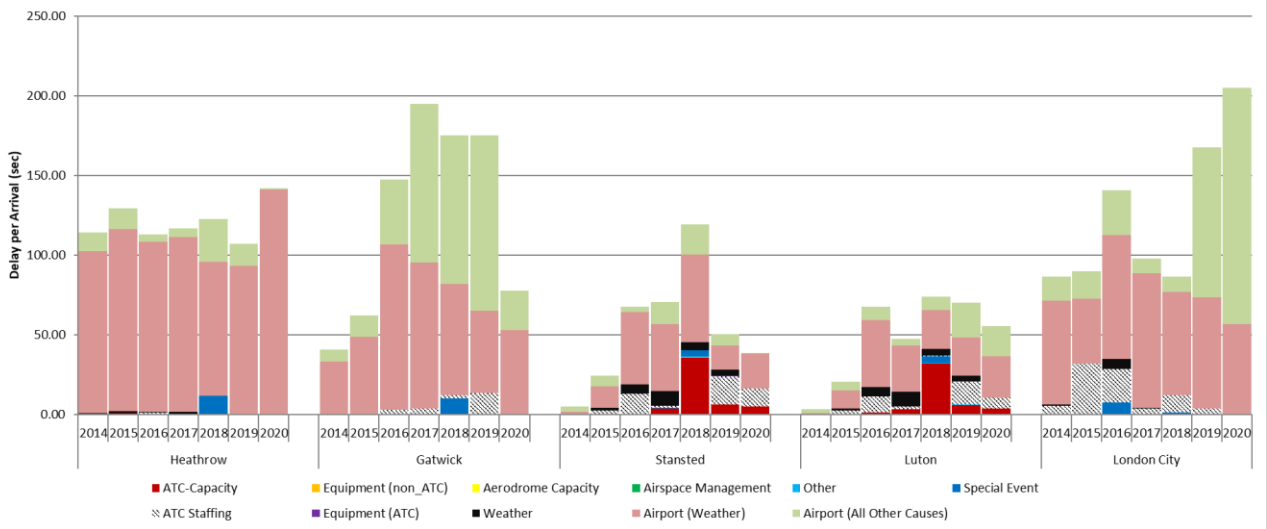
Average NERL London Approach ATFM delay per arrival, broken down by approach function and delay cause

note: 2020 data is only for Jan - Jun



Average London Approach ATFM delay per arrival, broken down by approach function and delay cause

note: 2020 data is for Jan - Jun



UK ATFM delay per arrival, broken down by airfield and delay cause: NERL attributable and all causes

The table and chart shows average UK Air Traffic Flow Management delay per flight for all arrivals to the 5 London Approach airfields including London Approach and all en-route causes, firstly for NERL attributable delay and then all causes (with NERL attributable delay highlighted in yellow).

Average NERL Delay (sec) Per Flight affecting Arrivals by London Approach Airfield (All Causes)

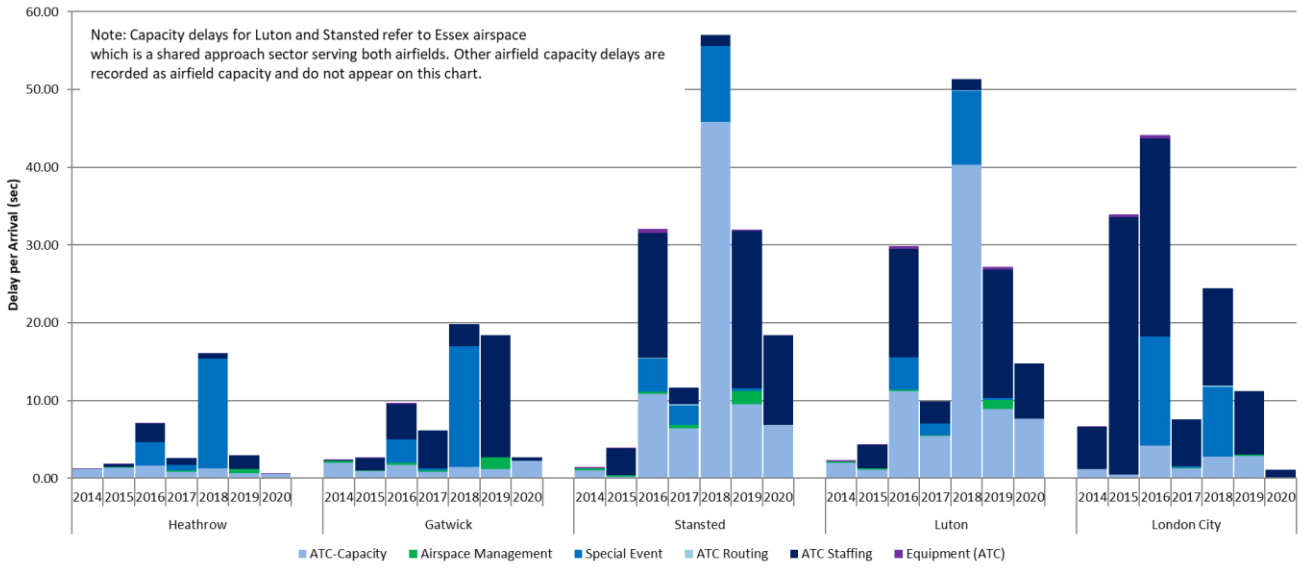
Airport	Year	ATC-Capacity	Airspace Management	Special Event	ATC Routing	ATC Staffing	Equipment (ATC)	Total NERL Delay
Heathrow	2014	1.17	0.05	0.00	0.00	0.00	0.05	1.28
	2015	1.38	0.05	0.00	0.00	0.39	0.04	1.86
	2016	1.61	0.04	2.99	0.01	2.37	0.02	7.04
	2017	0.87	0.11	0.79	0.00	0.89	0.00	2.65
	2018	1.32	0.01	14.09	0.00	0.67	0.00	16.08
	2019	0.64	0.55	0.00	0.00	1.76	0.00	2.94
	2020	0.57	0.00	0.00	0.00	0.00	0.03	0.60
Gatwick	2014	1.97	0.33	0.00	0.00	0.01	0.15	2.46
	2015	0.91	0.15	0.00	0.00	1.57	0.07	2.70
	2016	1.77	0.23	3.01	0.00	4.54	0.18	9.72
	2017	0.83	0.22	0.23	0.00	4.87	0.00	6.16
	2018	1.46	0.00	15.54	0.01	2.83	0.00	19.83
	2019	1.23	1.43	0.00	0.00	15.76	0.00	18.42
	2020	2.29	0.00	0.00	0.00	0.39	0.00	2.67
Stansted	2014	1.05	0.23	0.00	0.00	0.03	0.18	1.49
	2015	0.25	0.12	0.00	0.00	3.45	0.13	3.95
	2016	10.86	0.24	4.32	0.04	16.09	0.51	32.05
	2017	6.42	0.43	2.51	0.16	2.18	0.00	11.70
	2018	45.86	0.00	9.73	0.06	1.41	0.00	57.06
	2019	9.52	1.71	0.38	0.00	20.21	0.21	32.04
	2020	6.84	0.00	0.00	0.00	11.59	0.00	18.42
Luton	2014	2.03	0.15	0.00	0.00	0.00	0.14	2.32
	2015	1.13	0.15	0.00	0.00	2.99	0.11	4.38
	2016	11.20	0.21	4.18	0.01	13.89	0.38	29.87
	2017	5.47	0.12	1.45	0.00	2.88	0.00	9.91
	2018	40.30	0.00	9.58	0.02	1.41	0.00	51.31
	2019	8.88	1.15	0.27	0.00	16.54	0.38	27.22
	2020	7.69	0.00	0.00	0.00	7.06	0.00	14.75
London City	2014	1.18	0.00	0.00	0.00	5.40	0.06	6.64
	2015	0.45	0.00	0.00	0.00	33.13	0.40	33.98
	2016	4.17	0.07	13.96	0.00	25.49	0.45	44.14
	2017	1.32	0.01	0.25	0.01	5.96	0.00	7.55
	2018	2.78	0.00	8.97	0.22	12.45	0.00	24.42
	2019	2.87	0.16	0.00	0.00	8.20	0.00	11.22
	2020	0.00	0.00	0.00	0.00	1.09	0.00	1.09

Average UK Delay (sec) Per Flight affecting Arrivals by London Approach Airfield (All Causes)

Airport	Year	Accident	ATC-Capacity	Equipment (non-ATC)	Aerodrome Capacity	Airspace Manageme	Other	Special Event	ATC Routing	ATC Staffing	Equipment (ATC)	Environmenta I Issues	Weather	Airport (Weather)	Airport (All Other Causes)	Total NERL	Total ATFM	
Heathrow	2014	0.00	1.17	0.00	0.00	0.05	0.49	0.00	0.00	0.00	0.05	0.00	0.00	1.29	101.59	11.92	1.28	116.58
	2015	0.00	1.38	0.00	0.00	0.05	0.00	0.00	0.00	0.39	0.04	0.00	0.00	5.15	114.07	12.93	1.86	134.00
	2016	0.00	1.61	0.00	0.00	0.04	0.31	2.99	0.01	2.37	0.02	0.00	0.00	5.20	106.88	4.45	7.04	123.87
	2017	0.01	0.87	0.00	0.00	0.11	0.24	0.79	0.00	0.89	0.00	0.00	0.00	4.34	103.43	6.68	2.65	122.36
	2018	0.00	1.32	0.00	0.00	0.01	0.13	14.09	0.00	0.67	0.00	0.00	0.00	3.70	83.78	26.89	16.08	130.58
	2019	0.00	0.64	0.00	0.00	0.55	0.00	0.00	0.00	1.76	0.00	0.00	0.00	3.66	93.14	17.68	2.94	117.42
	2020	0.00	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.38	141.29	0.56	0.60	142.84
Gatwick	2014	0.00	1.97	0.00	0.00	0.33	0.31	0.00	0.00	0.01	0.15	0.00	0.00	0.87	33.34	7.62	2.46	44.61
	2015	0.00	0.91	0.00	0.00	0.15	0.00	0.00	0.00	1.57	0.07	0.00	0.00	5.99	48.96	13.20	2.70	70.86
	2016	0.00	1.77	0.00	0.00	0.23	0.20	3.01	0.00	4.54	0.18	0.00	0.00	5.42	103.49	40.95	9.72	159.16
	2017	0.00	0.83	0.00	0.00	0.22	0.25	0.23	0.00	4.87	0.00	0.00	0.00	3.16	91.33	99.72	6.16	200.61
	2018	0.00	1.46	0.00	0.00	0.00	0.07	15.54	0.01	2.83	0.00	0.00	0.00	4.19	69.45	93.16	19.83	186.69
	2019	0.00	1.23	0.00	0.00	1.43	0.00	0.00	0.00	15.76	0.00	0.00	0.00	8.01	56.49	118.59	18.42	201.51
	2020	0.00	2.29	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.81	52.81	25.18	2.67	81.47
Stansted	2014	0.00	1.05	0.00	0.00	0.23	0.25	0.00	0.00	0.03	0.18	0.00	0.00	3.07	1.36	3.22	1.49	9.39
	2015	0.00	0.25	0.00	0.00	0.12	0.00	0.00	0.00	3.45	0.13	0.00	0.00	4.14	13.57	6.84	3.95	28.50
	2016	0.00	10.86	0.00	0.00	0.24	0.27	4.32	0.04	16.09	0.51	0.00	0.00	11.81	46.36	3.46	32.05	92.94
	2017	0.01	6.42	0.00	0.00	0.43	0.53	2.51	0.16	2.18	0.00	0.00	0.00	15.68	41.99	14.15	11.70	84.06
	2018	0.00	45.86	0.34	0.22	0.00	0.49	9.73	0.06	1.41	0.00	0.00	0.00	9.79	55.10	19.58	57.06	142.57
	2019	0.00	9.52	0.00	0.00	1.71	0.49	0.38	0.00	20.21	0.21	0.00	0.00	11.56	15.01	7.19	32.04	66.30
	2020	0.00	6.84	0.00	0.00	0.00	0.00	0.00	0.00	11.59	0.00	0.00	0.00	0.00	21.58	0.12	18.42	40.12
Luton	2014	0.00	2.03	0.00	0.00	0.15	0.37	0.00	0.00	0.00	0.14	0.00	0.00	3.97	0.39	2.80	2.32	9.85
	2015	0.00	1.13	0.00	0.00	0.15	0.00	0.00	0.00	2.99	0.11	0.00	0.00	6.06	11.44	5.50	4.38	27.38
	2016	0.00	11.20	0.00	0.00	0.21	0.11	4.18	0.01	13.89	0.38	0.00	0.00	13.81	41.59	8.54	29.87	93.92
	2017	0.00	5.47	0.00	0.00	0.12	0.49	1.45	0.00	2.88	0.00	0.00	0.00	18.21	28.85	4.29	9.91	61.75
	2018	0.00	40.30	0.00	0.00	0.00	0.50	9.58	0.02	1.41	0.00	0.00	0.00	9.57	24.53	8.72	51.31	94.63
	2019	0.00	8.88	0.00	0.00	1.15	0.65	0.27	0.00	16.54	0.38	0.00	0.00	12.30	23.67	22.03	27.22	85.87
	2020	0.00	7.69	0.00	0.00	0.00	0.00	0.00	0.00	7.06	0.00	0.00	0.00	0.00	115.25	48.30	14.75	178.30
London City	2014	0.00	1.18	0.00	0.00	0.00	0.97	0.00	0.00	5.40	0.06	0.11	1.51	66.24	15.11	6.64	89.59	
	2015	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	33.13	0.40	0.00	0.00	2.71	40.76	17.08	33.98	94.53
	2016	0.00	4.17	0.00	0.00	0.07	0.81	13.96	0.00	25.49	0.45	0.00	0.00	12.15	77.53	28.31	44.14	162.94
	2017	0.00	1.32	0.00	0.00	0.01	0.95	0.25	0.01	5.96	0.00	0.00	0.00	5.85	84.49	8.99	7.55	107.83
	2018	0.00	2.78	0.00	0.00	0.00	0.18	8.97	0.22	12.45	0.00	0.00	0.00	4.99	64.73	8.86	24.42	104.18
	2019	0.00	2.87	0.00	0.00	0.16	0.02	0.00	0.00	8.20	0.00	0.00	0.00	7.50	69.69	94.15	11.22	182.57
	2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.66	56.93	148.22	1.09	206.90

Average NERL UK ATFM delay per arrival, broken down by airfield and delay cause

note: 2020 data is for Jan - Jun



Average UK ATFM delay per arrival, broken down by airfield and delay cause

note: 2020 data is for Jan - Jun

