Airport On-Time Departure Performance (Nov 2018, by VariFlight)

SHA joins TOP10 OTP chart of global hubs

Powered by VariFlight incomparable aviation database, the monthly report of *Airport On-time Departure Performance* provides an overview of how global airports perform in November, 2018.

In November, New Chitose (CTS) still holds onto the first spot among the TOP10 global hubs. In mainland China, airports handle 378,000 flight departures with a 6.54 percent YoY growth.

- Shanghai Hongqiao (SHA) chalks up eighth in TOP10 OTP list of global hubs for the first time with an on-time rate of 86.65 percent.
- Yinchuan Hedong (INC) joins TOP10 OTP list of global medium-sized airports for the first time.
- Jinan Yaoqiang (TNA) shows the best OTP performance of 88.77 percent among large airports in mainland China.
- Nanjing Lukou (NKG) suffers the most from severe weather in November, being affected by 87 hours.

Global Hubs

SHA joins TOP10 OTP chart of global hubs

In November, New Chitose (CTS) retains best among global hubs with an on-time departure rate of 95.87 percent and an average departure delay of 6.13 minutes. Three Chinese airports hit the best ever ranking of this year: Shanghai Hongqiao (SHA) chalks up eighth in TOP10 OTP list of global hubs for the first time with an on-time rate of 86.65 percent, followed by Xi'an Xianyang (XIY) and Wuhan Tianhe (WUH).

Ranking	IATA Code	Airports	Country/ Region	Flight Departures	On-time Departure Performance	Average Departure Delay (minutes)
1	CTS	New Chitose	JP	6637	95.87%	6.13
2	HNL	Honolulu	US	6198	91.72%	16.24
3	HND	Haneda	JP	20649	90.43%	18.75
4	HEL	Helsinki-Vantaa	FI	7601	89.76%	14.48
5	KIX	Osaka	JP	7532	89.18%	16.68

6	FUK	Fukuoka	JP	8019	89.18%	17.66
7	VKO	Vnukovo	RU	6307	87.16%	20.05
8	SHA	Shanghai Hongqiao	CN	10995	86.65%	18.84
9	XIY	Xi'an Xianyang	CN	13522	86.62%	19.27
10	WUH	Wuhan Tianhe	CN	7761	86.55%	16.69

Source: VariFlight

Figure 1: World's TOP10 best airports for on-time departures (Large airports, Nov, 2018)

Global Medium-Sized Airports

INC joins TOP10 OTP list of global medium-sized airports

Among the TOP10 global medium-sized airports, Itami (ITM) retains the first with a departure punctuality of 95.73 percent and an average delay of 12.80 minutes, followed by Kaohsiung (KHH) and Kagoshima (KOJ). In mainland China, Yinchuan Hedong (INC) joins TOP10 OTP list of global medium-sized airports for the first time with departure OTP of 91.13 percent.

Ranking	IATA Code	Airports	Country/ Region	Flight Departures	On-time Departure Performance	Average Departure Delay (minutes)
1	ITM	Itami	JP	5769	95.73%	12.80
2	KHH	Kaohsiung	TW, CN	2389	95.73%	9.50
3	KOJ	Kagoshima	JP	3189	95.68%	12.60
4	NGO	Nagoya	JP	4404	93.48%	13.94
5	SDJ	Sendai	JP	2156	93.45%	14.12
6	ADB	Izmir Adnan Menderes	TR	2985	93.31%	10.34
7	ESB	Esenboga	TR	4040	92.42%	12.42
8	BGO	Bergen	NO	3014	92.25%	11.22
9	OGG	Kahului	US	3040	91.32%	12.63
10	INC	Yinchuan Hedong	CN	3085	91.13%	11.31

Source: VariFlight

Figure 2: World's TOP10 best airports for on-time departures (Medium-sized airports, Nov, 2018)

APAC Major Airports

SHA and PVG rank in TOP20 List

New Chitose (CTS) has firmly fixed to the top spot in the APAC TOP20 major airports rankings, in which the TOP4 are all Japanese airports. In mainland China, thirteen airports make the list, showing robust growth this month, among which Shanghai Hongqiao (SHA) and Shanghai Pudong (PVG) are respectively in the fifth and twentieth places.

Ranking	IATA Code	Airports	Country/ Region	Flight Departures	On-time Departure Performance	Average Departure Delay (minutes)
1	CTS	New Chitose	JP	6637	95.87%	6.13
2	HND	Haneda	JP	20649	90.43%	18.75
3	KIX	Osaka	JP	7532	89.18%	16.68
4	FUK	Fukuoka	JP	8019	89.18%	17.66
5	SHA	Shanghai Hongqiao	CN	10995	86.65%	18.84
6	XIY	Xi'an Xianyang	CN	13522	86.62%	19.27
7	WUH	Wuhan Tianhe	CN	7761	86.55%	16.69
8	CKG	Chongqing Jiangbei	CN	12576	84.91%	18.77
9	URC	Urumqi Diwopu	CN	6713	83.11%	29.37
10	TAO	Qingdao Liuting	CN	7119	82.17%	18.84
11	CAN	Guangzhou Baiyun	CN	18895	81.96%	22.53
12	CTU	Chengdu Shuangliu	CN	14184	80.96%	26.62
13	BNE	Brisbane	AU	7891	80.73%	23.41
14	KMG	Kunming Changshui	CN	14756	80.48%	23.94
15	TSN	Tianjin Binhai	CN	6996	80.10%	26.37
16	DMK	Don Mueang	TH	10931	79.89%	21.65
17	CGO	Zhengzhou Xinzheng	CN	8269	79.62%	24.51
18	OKA	Naha	JP	6166	79.48%	20.67
19	SZX	Shenzhen Bao'an	CN	13549	79.21%	25.72
20	PVG	Shanghai Pudong	CN	18183	78.72%	24.85

Source: VariFlight

Figure 3: TOP20 best airports in Asia-Pacific for on-time departures (Major airports, Nov, 2018)

APAC Medium-Sized Airports

INC cut a figure in APAC OTP chart

In November, Itami (ITM) ranks first of the TOP20 list with an on-time departure rate of 95.73 percent, despite a slight MoM decline. In mainland China, Yinchuan Hedong (INC) tops the seven Chinese medium-sized airports in the APAC list with OTP of 91.13 percent, rising to the sixth place from the eighteenth and cutting the average departure delay by 11.31 minutes.

Ranking	IATA Code	Airports	Country/ Region	Flight Departures	On-time Departure Performance	Average Departure Delay (minutes)
1	ITM	Itami	JP	5769	95.73%	12.80
2	KHH	Kaohsiung	TW, CN	2389	95.73%	9.50
3	KOJ	Kagoshima	JP	3189	95.68%	12.60

4	NGO	Nagoya	JP	4404	93.48%	13.94
5	SDJ	Sendai	JP	2156	93.45%	14.12
6	INC	Yinchuan Hedong	CN	3085	91.13%	11.31
7	TSA	Taipei Songshan	TW, CN	2151	89.60%	15.20
8	PNH	Pochentong	KH	2198	89.59%	13.88
9	CNX	Chiang Mai	TH	3442	88.95%	15.55
10	TNA	Jinan Yaoqiang	CN	4930	88.77%	13.93
11	LJG	Lijiang Sanyi	CN	2248	87.80%	14.87
12	PUS	Busan	KR	4540	87.77%	19.37
13	CHC	Christchurch	NZ	3186	87.34%	15.95
14	DLC	Dalian Zhoushuizi	CN	5678	86.91%	16.92
15	HET	Hohhot Baita	CN	3808	84.66%	19.81
16	LHW	Lanzhou Zhongchuan	CN	4432	84.66%	17.81
17	HKT	Phuket	TH	4466	84.41%	17.24
18	PER	Perth	AU	4217	83.82%	22.33
19	GMP	Gimpo	KR	5884	83.74%	23.10
20	ZUH	Zhuhai Jinwan	CN	2944	82.82%	19.02

Source: VariFlight

Figure 4: TOP20 best airports in Asia-Pacific for on-time departures (Medium-sized airports, Nov, 2018)

Mainland China: Airports with a Capacity over 10 Million Passengers

TNA tops the OTP chart and NNG shows the most rapid growth

Among the airports with a capacity of over 10 million passengers in mainland China, Jinan Yaoqiang (TNA) ranks first with its on-time departure performance of 88.77 percent (increasing 2.11 percent YoY) followed by Dalian Zhoushuizi (DLC) and Shanghai Hongqiao (SHA). Airports with a capacity of over 10 million passengers in mainland China show robust YoY growth in this category, among which Nanning Wuxu (NNG) shows the most rapid growth of 14.67 percent, followed by Xiamen Gaoqi (XMN) and Beijing Capital (PEK) with respectively 11.69 percent and 11.54 percent.

Ranking	IATA Code	Airports	Flight Departures	On-time Departure Performance	YoY	Average Departure Delay (minutes)
1	TNA	Jinan Yaoqiang	4930	88.77%	2.11%	13.93
2	DLC	Dalian Zhoushuizi	5678	86.91%	-1.48%	16.92
3	SHA	Shanghai Hongqiao	10995	86.65%	3.79%	18.84
4	XIY	Xi'an Xianyang	13522	86.62%	3.47%	19.27
5	WUH	Wuhan Tianhe	7761	86.55%	10.01%	16.69

6	CKG	Chongqing Jiangbei	12576	84.91%	0.07%	18.77
7	HET	Hohhot Baita	3808	84.66%	-2.66%	19.81
8	LHW	Lanzhou Zhongchuan	4432	84.66%	2.78%	17.81
9	URC	Urumqi Diwopu	6713	83.11%	-1.58%	29.37
10	TAO	Qingdao Liuting	7119	82.17%	-2.11%	18.84
11	CAN	Guangzhou Baiyun	18895	81.96%	6.62%	22.53
12	CTU	Chengdu Shuangliu	14184	80.96%	9.43%	26.62
13	KMG	Kunming Changshui	14756	80.48%	0.29%	23.94
14	TSN	Tianjin Binhai	6996	80.10%	8.28%	26.37
15	KHN	Nanchang Changbei	4471	79.89%	7.44%	23.21
16	HRB	Harbin Taiping	5900	79.80%	4.33%	24.16
17	NNG	Nanning Wuxu	4506	79.64%	14.67%	23.91
18	CGO	Zhengzhou Xinzheng	8269	79.62%	-0.06%	24.51
19	SZX	Shenzhen Bao'an	13549	79.21%	-2.61%	25.72
20	PVG	Shanghai Pudong	18183	78.72%	5.25%	24.85
21	TYN	Taiyuan Wusu	4558	78.67%	-2.54%	24.89
22	CSX	Changsha Huanghua	7311	78.53%	-0.12%	23.73
23	FOC	Fuzhou Changle	4229	77.59%	9.09%	25.85
24	HAK	Haikou Meilan	7219	77.09%	0.27%	26.11
25	PEK	Beijing Capital	24587	76.65%	11.54%	24.72
26	CGQ	Changchun Longjia	3879	76.32%	-2.03%	26.13
27	SYX	Sanya Phoenix	5384	74.30%	0.69%	29.73
28	SHE	Shenyang Taoxian	5722	73.32%	-2.97%	28.85
29	KWE	Guiyang Longdongbao	6761	73.30%	-7.79%	30.80
30	XMN	Xiamen Gaoqi	7799	70.75%	11.69%	29.34
31	HGH	Hangzhou Xiaoshan	10447	66.36%	-7.83%	39.70
32	NKG	Nanjing Lukou	8513	64.78%	-10.91%	41.84

Source: VariFlight

Figure 5: China's airports on-time departure performance (airports with a capacity of over 10 million passengers, Nov, 2018)

Mainland China: Airports with a Capacity of 2 Million to 10 Million Passengers

HLD tops the list and SJW shows the most rapid growth

Regarding airports with a capacity of 2 million to 10 million passengers, Hulun Buir Dongshan (HLD) ranks first with an on-time performance of 92.99 percent. Compared with the same period last year, Shijiazhuang Zhengding (SJW) enjoys the most rapid YoY growth of 18.80 percent, followed by Quanzhou Jinjiang (JJI) and Jieyang Chaoshan (SWA) with respectively 18.62 percent and 12.13 percent.

Ranking	IATA Code	Airports	Flight Departures	On-time Departure Performance	YoY	Average Departure Delay (minutes)
1	HLD	Hulun Buir Dongshan	449	92.99%	1.87%	11.36
2	JHG	Xishuangbanna	1438	92.54%	11.93%	10.88
3	XNN	Xining Caojiapu	1741	91.43%	3.20%	13.13
4	INC	Yinchuan Hedong	3085	91.13%	2.68%	11.31
5	LJG	Lijiang Sanyi	2248	87.80%	2.82%	14.87
6	DSN	Ordos	802	87.47%	-0.27%	15.14
7	KHG	Kashgar	816	85.85%	-3.05%	18.16
8	ZHA	ZhanJiang	1245	84.23%	2.14%	18.42
9	ZUH	Zhuhai Jinwan	2944	82.82%	11.42%	19.02
10	KWL	Guilin Liangjiang	2423	81.98%	1.27%	19.76
11	SWA	Jieyang Chaoshan	2000	81.18%	12.13%	20.24
12	LXA	Lhasa Kongga	1325	80.85%	4.95%	26.07
13	JJN	QUANZHOU JINJIANG	2358	80.20%	18.62%	22.67
14	BAV	Baotou	842	80.14%	-7.28%	22.01
15	SJW	Shijiazhuang Zhengding	3689	79.41%	18.80%	22.39
16	YIH	Yichang Sanxia	998	76.05%	-4.23%	24.97
17	WEH	WeiHai	985	75.03%	-7.85%	26.89
18	WNZ	Wenzhou Longwan	3850	71.03%	0.43%	26.75
19	YNT	Yantai Penglai	3072	69.50%	-8.15%	26.80
20	NGB	Ningbo Lishe	3674	68.96%	-3.32%	29.14
21	HFE	Hefei Xinqiao	4115	68.54%	2.35%	32.30
22	NTG	Nantong Xingdong	933	67.17%	-0.02%	30.87
23	NAY	Beijing Nanyuan	1744	66.28%	4.37%	32.28
24	MIG	Mianyang Nanjiao	1069	65.73%	11.91%	30.72
25	WUX	Sunan Shuofang	2214	56.61%	-14.73%	38.08
26	CZX	Changzhou Benniu	1167	47.89%	-21.09%	51.36

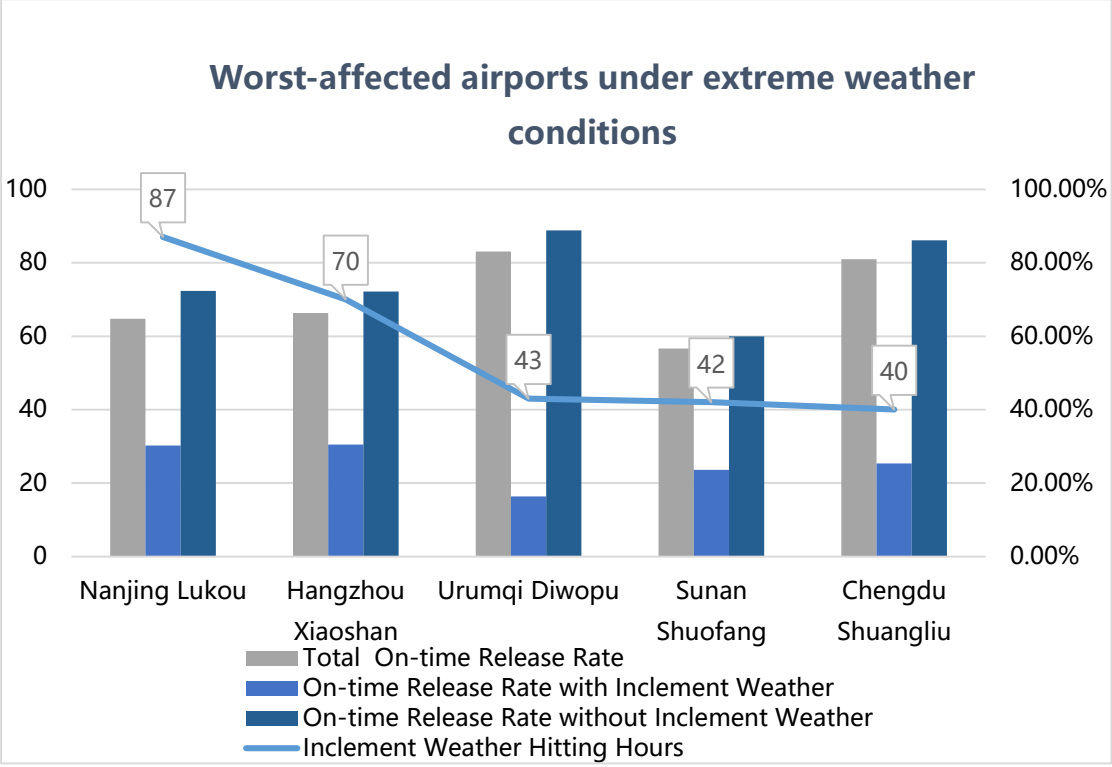
Source: VariFlight

Figure 6: China's airports on-time departure performance (airports with a capacity of 2 million to 10 million passengers, Nov, 2018)

Worst-Affected Airports under Severe Weather

NKG suffers the most from severe weather

In November, Nanjing Lukou (NKG) suffers the most from inclement weather, being affected by 87 hours, while Hangzhou Xiaoshan (HGH) and Urumqi Diwopu (URC) are disrupted for 70 and 43 hours respectively.



Source: VariFlight

Figure 7: China's worst-affected airports for normal flight release rate (Nov, 2018)

Notes for editors

Period: Nov 1 - Nov 30, 2018

Flights: Commercial air passenger flights only. Cargo aircrafts, corporate jets and general aviation are excluded.

Actual departure flights: Departure flights that have actual take-off time and actual departure time in VariFlight database. Canceled flights are excluded.

Actual arrival flights: Arrival flights that have actual take-off time and actual departure time in VariFlight database. Canceled flights are excluded.

Large airports: Airports with above 6000 actual departure flights monthly**.**

Medium-sized airports: Airports with 2000 to 6000 actual departure flights monthly**.**

On-time departure flights: ATD-STD<30mins

On-time arrival flights: ATA-STA<30mins

On-time departure rate: On-time Departure Flights/Actual Departure Flights * 100%

On-time arrival rate: On-time Arrival Flights/Actual Arrival Flights * 100%

Average departure delay time: Total Departure Delay Time/ Actual Departure Flights

(Departure delay time of a single flight: ATD-STD. If a flight departs ahead of the scheduled time of departure, then the result is zero.)

Average arrival delay time: Total Arrival Delay Time/ Actual Arrival Flights

(Arrival delay time of a single flight: ATA-STA. If a flight arrives ahead of the scheduled

time of arrival, then the result is zero.)

Airports in Mainland China: Airports in mainland China can be divided into three classes with a capacity of over 10 million passengers, 2 million to 10 million passengers and less than 2 million passengers respectively, in accordance with the passenger throughput published by Civil Aviation Administration of China (CAAC), 2017.