

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

HND Falls off the Global TOP10 OTP List

XIY Maintains the Most Punctual Airport in Mainland China

In July, New Chitose (CTS) tops the TOP10 global hubs, while Chinese airports fall off the list. In mainland China, airports have a strong showing in on-time performance handling 398,000 flight departures with a YoY growth of 6.7 percent. Powered by VariFlight incomparable aviation database, the monthly report of *Airport On-time Departure Performance* provides an overview of how global airports are performing in July, 2018.

- New Chitose (CTS) has topped the global hubs for consecutive four months with the on-time departure performance of 89.18 percent.
- Xi'an Xianyang (XIY) dominates the punctual rankings among large airports in mainland China for consecutive three months.



Global Hubs

CTS Tops the OTP Chart and HND Falls out of the TOP10 List

New Chitose (CTS) has topped the global hubs for consecutive four months with an on-time departure rate of 89.18 percent and an average departure delay of 11.53 minutes, showing a 3.48 percent YoY decrease. Honolulu (HNL) surpasses Sheremetyevo (SVO), taking the second place; Haneda Airport (HND) falls off the TOP10 list again this year, dropping from the fourth in June.

Ranking	IATA Code	Airports	Country/Region	Flight Departures	On-time Departure Performance	Average Departure Delay (minutes)
1	CTS	New Chitose	JP	7139	89.18%	11.53
2	HNL	Honolulu	US	6807	88.52%	18.62
3	SVO	Sheremetyevo	RU	15914	87.50%	19.95
4	GMP	Gimpo	KR	6235	86.83%	22.70
5	PDX	Portland	US	9204	86.03%	18.62
6	LED	Pulkovo	RU	7584	84.38%	20.65
7	YYC	Calgary	CA	9449	83.09%	21.84
8	SJC	Norman Y.	US	6015	82.88%	22.24

Mineta San José						
9	BLR	Bengaluru	IN	9622	82.58%	20.15
10	FUK	Fukuoka	JP	7832	82.38%	21.78

Source: VariFlight

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

Global Medium-Sized Airports

SDJ Becomes the Most Punctual Medium-Sized Airport

Among the TOP10 global medium-sized airports, Kahului Airport (OGG) ranks first with a departure punctuality of 92.65 percent. Sendai Airport (SDJ) falls to the sixth place from the top.

Ranking	IATA Code	Airports	Country/Region	Flight Departures	On-time Departure Performance	Average Departure Delay (minutes)
1	OGG	Kahului	US	3306	92.65%	13.21
2	CMN	Mohammed V International	MA	3976	92.24%	9.07
3	TFN	Tenerife	ES	3176	92.09%	13.73
4	ITM	Itami	JP	5871	91.89%	14.02
5	CNX	Chiang Mai	TH	3159	89.98%	13.30
6	SDJ	Sendai	JP	2154	89.03%	15.12
7	BOI	Boise	US	2313	88.98%	15.31
8	CHC	Christchurch	NZ	3146	88.41%	15.21
9	MSQ	Minsk	BY	2222	88.30%	15.31
10	ANC	Ted Stevens Anchorage	US	4302	87.85%	14.95

Source: VariFlight

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

APAC---Major Airports

XIY Retains the Most Punctual Airport in Mainland China

Among the TOP20 major airports in APAC, New Chitose (CTS) is delivered the first with an on-time departure rate of 89.18 percent. In mainland China, eight airports join the list, among which Xi'an Xianyang (XIY) ranks eighth (76.78 percent), becoming the most punctual major airport in mainland China for consecutive three months.

Ranking	IATA Code	Airports	Country/Region	Flight Departures	On-time Departure Performance	Average Departure Delay (minutes)
1	CTS	New Chitose	JP	7139	89.18%	11.53

2	GMP	Gimpo	KR	6235	86.83%	22.70
3	FUK	Fukuoka	JP	7832	82.38%	21.78
4	HND	Haneda	JP	20762	81.96%	22.80
5	BNE	Brisbane	AU	8174	79.66%	23.76
6	AKL	Auckland	NZ	7065	77.94%	23.00
7	CJU	Jeju	KR	7474	77.47%	24.27
8	XIY	Xi'an Xianyang	CN	14325	76.78%	29.67
9	KIX	Osaka	JP	7525	76.23%	27.33
10	BKK	Suvarnabhumi	TH	15120	75.35%	25.76
11	DMK	Don Mueang	TH	11431	74.12%	25.58
12	DLC	Dalian Zhoushuizi	CN	6658	73.99%	30.81
13	KMG	Kunming Changshui	CN	15689	72.17%	33.35
14	CKG	Chongqing Jiangbei	CN	12487	70.56%	33.67
15	KWE	Guiyang Longdongbao	CN	6886	69.67%	33.70
16	HAK	Haikou Meilan	CN	6541	69.45%	33.01
17	SIN	Singapore Changi	SG	15753	68.55%	29.16
18	WUH	Wuhan Tianhe	CN	7983	68.27%	36.08
19	HAN	Noi Bai	VN	7378	67.27%	29.86
20	HRB	Harbin Taiping	CN	6323	66.83%	35.79

Source: VariFlight

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

APAC---Medium-Sized Airports

LJG Tops the Medium-Sized Airports in Mainland China

Itami (ITM) ranks first of the TOP20 list with an on-time departure rate of 91.89 percent; in mainland China, Lijiang Sanyi (LJG) is recognized as fifteenth with an on-time performance of 79.47 percent, dropping four places compared with June, and has been the only medium-sized airport in mainland China in the list.

Ranking	IATA Code	Airports	Country/Region	Flight Departures	On-time Departure Performance	Average Departure Delay (minutes)
1	ITM	Itami	JP	5871	91.89%	14.02
2	CNX	Chiang Mai	TH	3159	89.98%	13.30
3	SDJ	Sendai	JP	2154	89.03%	15.12
4	CHC	Christchurch	NZ	3146	88.41%	15.21
5	PNH	Pochentong	KH	2018	87.75%	14.61
6	KHH	Kaohsiung	TW	2568	87.72%	17.19
7	WLG	Wellington	NZ	3608	87.39%	15.86
8	MZG	Magong	TW	2197	85.62%	18.86

9	TSA	Taipei Songshan	TW	2545	85.13%	21.39
10	KOJ	Kagoshima	JP	3162	84.74%	19.53
11	NGO	Nagoya	JP	4416	84.63%	21.21
12	PUS	Busan	KR	4655	84.22%	20.73
13	CNS	Cairns	AU	2131	80.09%	22.76
14	ADL	Adelaide	AU	3329	79.56%	21.35
15	LJG	Lijiang Sanyi	CN	2668	79.47%	23.57
16	PER	Perth	AU	4235	77.65%	24.39
17	BKI	Sabah	MY	3007	76.70%	25.63
18	PEN	Penang	MY	2680	76.06%	22.49
19	HKT	Phuket	TH	4869	75.83%	25.75
20	HLP	Halim Perdanakusuma	ID	2455	74.94%	23.38

Source: VariFlight

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

Mainland China---Airports with a Capacity over 10 Million Passengers XIY, DLC and KMG Top the OTP Chart

Xi'an Xianyang (XIY) ranks first among the airports with a capacity of over 10 million passengers in mainland China with its on-time departure performance of 76.78 percent in July, followed by Dalian Zhoushuizi (DLC) and Kunming Changshui (KMG). Airports with a capacity of over 10 million passengers in mainland China show robust YoY growth in this category with an exception of Urumqi Diwopu (URC). Hohhot Baita (HET) shows the most obvious YoY increase of 32.16 percent, followed by Beijing Capital (PEK) and Shanghai Hongqiao (SHA) with respectively 28.25 percent and 27.59 percent.

Ranking	IATA Code	Airports	Flight Departures	On-time Departure Performance	YoY	Average Departure Delay (minutes)
1	XIY	Xi'an Xianyang	14325	76.78%	24.57%	29.67
2	DLC	Dalian Zhoushuizi	6658	73.99%	21.02%	30.81
3	KMG	Kunming Changshui	15689	72.17%	25.86%	33.35
4	TNA	Jinan Yaoqiang	5667	71.59%	24.39%	30.92
5	CKG	Chongqing Jiangbei	12487	70.56%	20.93%	33.67
6	KWE	Guiyang Longdongbao	6886	69.67%	12.43%	33.70
7	HAK	Haikou Meilan	6541	69.45%	16.57%	33.01
8	KHN	Nanchang Changbei	4339	69.21%	21.06%	34.00
9	WUH	Wuhan Tianhe	7983	68.27%	18.82%	36.08
10	NNG	Nanning Wuxu	4891	67.04%	15.63%	35.72
11	HRB	Harbin Taiping	6323	66.83%	17.89%	35.79
12	URC	Urumqi Diwopu	8205	66.79%	-0.58%	34.38

13	SYX	Sanya Phoenix	4801	66.57%	15.12%	38.18
14	SHA	Shanghai Hongqiao	10943	66.54%	27.59%	40.16
15	CSX	Changsha Huanghua	8210	65.94%	16.43%	37.98
16	TYN	Taiyuan Wusu	4529	65.73%	27.56%	40.69
17	TSN	Tianjin Binhai	7540	64.19%	23.54%	44.75
18	LHW	Lanzhou Zhongchuan	4868	63.63%	12.68%	38.85
19	SHE	Shenyang Taoxian	5907	62.66%	22.98%	36.91
20	CAN	Guangzhou Baiyun	19240	62.63%	17.98%	40.77
21	HET	Hohhot Baita	5079	62.41%	32.16%	45.88
22	SZX	Shenzhen Bao'an	13816	62.10%	25.84%	45.85
23	CTU	Chengdu Shuangliu	14298	62.01%	13.08%	46.30
24	PVG	Shanghai Pudong	19556	61.89%	26.24%	40.20
25	CGO	Zhengzhou Xinzheng	8914	61.30%	9.42%	44.70
26	TAO	Qingdao Liuting	8164	58.93%	19.84%	39.06
27	CGQ	Changchun Longjia	3904	58.58%	20.63%	40.95
28	PEK	Beijing Capital	24902	58.09%	28.25%	46.40
29	XMN	Xiamen Gaoqi	8142	55.86%	24.66%	44.01
30	FOC	Fuzhou Changle	4666	55.69%	17.76%	46.39
31	NKG	Nanjing Lukou	9239	53.22%	21.45%	56.09
32	HGH	Hangzhou Xiaoshan	11346	50.84%	18.50%	58.31

Source: VariFlight

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

Mainland China---Airports with a Capacity of 2 Million to 10 Million Passengers JHG Retains the First Place in OTP List

Regarding airports with a capacity of 2 million to 10 million passengers, Xishuangbanna (JHG) ranks first with an on-time performance of 81.84 percent. Compared with the same period last year, all airports present an increase with Yichang Sanxia (YIH) dipping slightly; Shijiazhuang Zhengding (SJW) enjoys the most rapid YoY growth of 31.40 percent, followed by Zhuhai Jinwan (ZUH) and Hulun Buir Dongshan (HLD) with respectively 30.88 percent and 27.91 percent.

Ranking	IATA Code	Airports	Flight Departures	On-time Departure Performance	YoY	Average Departure Delay (minutes)
1	JHG	Xishuangbanna	1646	81.84%	8.68%	18.77
2	LJG	Lijiang Sanyi	2668	79.47%	17.34%	23.57
3	KHG	Kashgar	727	78.73%	7.14%	20.65
4	HLD	Hulun Buir Dongshan	1379	78.31%	27.91%	27.09
5	XNN	Xining Caojiapu	3054	71.15%	12.26%	33.72

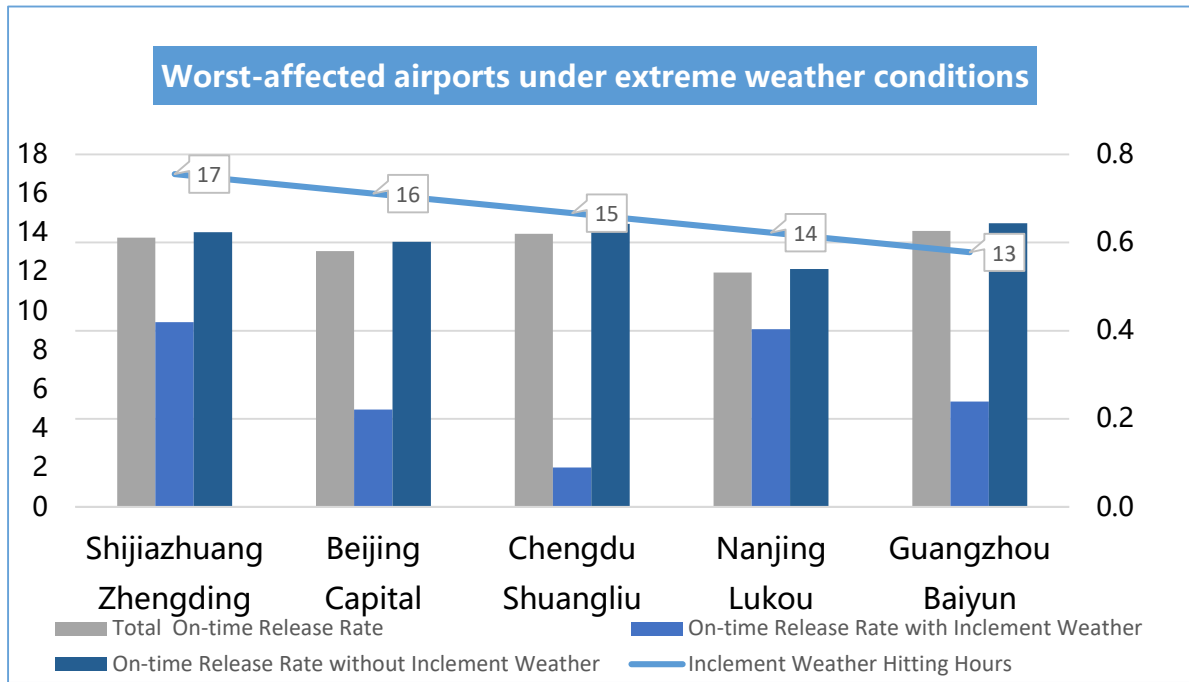
6	LXA	Lhasa Kongga	1618	71.13%	15.36%	32.27
7	ZHA	ZhanJiang	995	70.59%	10.23%	30.08
8	KWL	Guilin Liangjiang	3171	69.34%	18.43%	33.46
9	INC	Yinchuan Hedong	3455	69.21%	14.12%	34.12
10	DSN	Ordos	1056	66.57%	20.41%	39.40
11	ZUH	Zhuhai Jinwan	3708	63.03%	30.88%	43.51
12	WEH	WeiHai	820	62.68%	13.46%	34.80
13	NAY	Beijing Nanyuan	1933	62.04%	20.15%	41.48
14	SJW	Shijiazhuang Zhengding	3625	61.09%	31.40%	47.26
15	YIH	Yichang Sanxia	1096	60.50%	-0.88%	41.31
16	BAV	Baotou Erliban	714	59.21%	19.11%	51.83
17	HFE	Hefei Xinqiao	3846	58.75%	19.17%	45.78
18	SWA	Jieyang Chaoshan	2292	58.25%	7.34%	41.45
19	YNT	Yantai Penglai	3365	57.05%	15.78%	43.01
20	JJN	QUANZHOU JINJIANG	2484	54.17%	22.03%	48.40
21	NGB	Ningbo Lishe	3496	49.96%	17.48%	59.08
22	WNZ	Wenzhou Longwan	3556	49.70%	13.80%	51.89
23	WUX	Sunan Shuofang	2364	43.05%	17.37%	60.29
24	NTG	Nantong Xingdong	1007	41.91%	20.70%	58.62
25	MIG	Mianyang Nanjiao	1478	40.47%	13.29%	73.04
26	CZX	Changzhou Benniu	1180	35.92%	6.11%	66.64

Source: VariFlight

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

Worst-Affected Airports under Severe Weather SJW Suffers the Most from Severe Weather

In July, Shijiazhuang Zhengding (SJW), Beijing Capital (PEK) and Chengdu Shuangliu (CTU) suffer the most from severe weather, with respectively 17 hours, 16 hours and 15 hours.



Source: VariFlight

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

Notes for editors

Period: July 1- July 31, 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: $ATD-STD < 30\text{mins}$

On-time arrival flights: $ATA-STA < 30\text{mins}$

On-time departure rate: $\text{On-time Departure Flights} / \text{Actual Departure Flights} * 100\%$

On-time arrival rate: $\text{On-time Arrival Flights} / \text{Actual Arrival Flights} * 100\%$

Average departure delay time: $\text{Total Departure Delay Time} / \text{Actual Departure Flights}$
(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: $\text{Total Arrival Delay Time} / \text{Actual Arrival Flights}$
(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.