

## Airport On-time Departure Performance (Oct. 2017)

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 October, 2017.

### Global Hubs

New Chitose Airport (CTS) tops the large airports chart in October with an on-time departure rate of 95.16 percent and an average delay of 7.21 minutes.

Ranking	IATA Code	Airports	Country	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	CTS	New Chitose	JP	6867	95.16%	0.35%	7.21
2	ITM	Itami	JP	6038	92.63%	0.29%	14.58
3	DOH	Doha	QA	7672	89.94%	0.55%	17.87
4	URC	Urumqi Diwopu	CN	7357	89.37%	3.41%	19.36
5	HNL	Honolulu	US	6576	88.68%	0.98%	18.76
6	ATH	Athens	GR	7826	88.63%	0.56%	17.71
7	AKL	Auckland	NZ	6805	88.31%	0.54%	17.00
8	STL	Saint Louis	US	7784	88.22%	1.64%	17.49
9	SLC	Salt Lake City	US	10120	86.94%	1.70%	21.06
10	TPA	Tampa	US	6104	86.54%	1.79%	18.28

Source: VariFlight

Figure 1: World's TOP10 best airports for on-time departures (Large airports, October, 2017)

Note: Reporting airports are those whose actual departure flights are over 6000 in October, 2017.

### Global Medium-sized Airports

Tenerife Airport (TFN) delivers the best on time performance among all medium-sized airports worldwide with 95.93 percent punctuality and an average delay of 9.89 minutes.

Ranking	IATA Code	Airports	Country	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	TFN	Tenerife	ES	2535	95.93%	0.53%	9.89
2	SZB	Sultan Abdul Aziz Shah	MY	2412	93.97%	0.25%	9.36
3	CHC	Christchurch	NZ	3197	93.73%	0.16%	12.34
4	CMN	Casablanca	MA	3383	93.54%	0.85%	9.51
5	LCY	London	GB	3323	93.13%	0.47%	5.96
6	WLG	Wellington	NZ	3538	92.99%	0.31%	12.02

7	SDJ	Sendai	JP	2242	92.70%	0.34%	13.34
8	BAH	Bahrain	BH	3143	92.57%	1.27%	14.12
9	KHH	Kaohsiung	TW	2234	92.44%	0.85%	13.14
10	SVG	Stavanger	NO	2097	92.03%	0.18%	10.74

Source: VariFlight

Figure 2: World's TOP10 best airports for on-time departures (Medium-sized airports, October, 2017)

Note: Reporting airports are those whose actual departure flights are between 2000 to 6000 in October, 2017.

### Asia-Pacific---Major Airports

New Chitose Airport (CTS) ranks first of all major airports in Asia-Pacific region with an on-time departure rate of 95.16 percent. In mainland China, Urumqi Diwopu International Airport (URC) ranks third (89.37 percent).

Ranking	IATA Code	Airports	Country	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	CTS	New Chitose	JP	6867	95.16%	0.35%	7.21
2	ITM	Itami	JP	6038	92.63%	0.29%	14.58
3	URC	Urumqi Diwopu	CN	7357	89.37%	3.41%	19.36
4	AKL	Auckland	NZ	6805	88.31%	0.54%	17.00
5	GMP	Gimpo	KR	6323	86.24%	0.90%	21.01
6	FUK	Fukuoka	JP	7909	86.19%	0.41%	18.37
7	KIX	Osaka	JP	7398	85.30%	1.98%	21.20
8	DLC	Dalian Zhoushuizi	CN	6329	83.88%	1.50%	17.06
9	CKG	Chongqing Jiangbei	CN	12154	83.80%	2.24%	19.90
10	HND	Tokyo	JP	20868	83.33%	0.54%	22.47
11	CTU	Chengdu Shuangliu	CN	13926	81.63%	1.79%	22.64
12	MEL	Melbourne	AU	10558	80.18%	0.98%	21.85
13	KMG	Kunming Changshui	CN	15044	79.60%	1.93%	23.84
14	HAK	Haikou Meilan	CN	6318	79.51%	2.24%	21.67
15	BNE	Brisbane	AU	8416	79.34%	1.11%	21.82
16	SZX	Shenzhen Bao'an	CN	13668	79.22%	1.93%	24.41
17	CSX	Changsha Huanghua	CN	7718	78.90%	3.17%	22.83
18	XIY	Xi'an Xianyang	CN	13985	78.26%	4.16%	27.45
19	SHA	Shanghai Hongqiao	CN	11403	78.09%	1.61%	24.17

<b>20</b>	TSN	Tianjin Binhai	CN	7059	77.95%	3.41%	25.77
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Source: VariFlight

Figure 3: TOP20 best airports in Asia-Pacific for on-time departures (Major airports, October, 2017)

Note: Reporting airports are those whose actual departure flights are over 6000 in October, 2017.

### Asia-Pacific----Medium-sized Airports

Sultan Abdul Aziz Shah Airport (Kuala Lumpur, SZB) ranks first among medium-sized airports in the Asia-Pacific region with an on-time departure rate of 93.97 percent. In mainland China, Xining Caojiapu Airport (XNN) is recognized as fourteenth with an on-time performance of 86.37 percent.

Ranking	IATA Code	Airports	Country	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
<b>1</b>	SZB	Sultan Abdul Aziz Shah	MY	2412	93.97%	0.25%	9.36
<b>2</b>	CHC	Christchurch	NZ	3197	93.73%	0.16%	12.34
<b>3</b>	WLG	Wellington	NZ	3538	92.99%	0.31%	12.02
<b>4</b>	SDJ	Sendai	JP	2242	92.70%	0.34%	13.34
<b>5</b>	KHH	Kaohsiung	TW, CN	2234	92.44%	0.85%	13.14
<b>6</b>	KOJ	Kagoshima	JP	3449	91.62%	0.23%	15.22
<b>7</b>	PUS	Busan	KR	4751	91.43%	0.42%	15.38
<b>8</b>	PER	Perth	AU	4507	90.21%	1.22%	16.83
<b>9</b>	ADL	Adelaide	AU	3625	90.15%	0.84%	15.85
<b>10</b>	NGO	Nagoya	JP	4323	89.62%	1.16%	18.12
<b>11</b>	CNX	Chiang Mai	TH	3295	88.10%	1.07%	13.85
<b>12</b>	CBR	Canberra	AU	2040	87.61%	1.25%	15.34
<b>13</b>	TSA	Taipei Songshan	TW, CN	2165	86.97%	1.22%	18.83
<b>14</b>	XNN	Xining Caojiapu	CN	2171	86.37%	2.35%	15.42
<b>15</b>	HET	Hohhot Baita	CN	4260	85.86%	2.36%	18.76
<b>16</b>	HKT	Phuket	TH	4482	85.81%	1.57%	16.38
<b>17</b>	TNA	Jinan Yaoqiang	CN	4900	84.59%	1.29%	16.51
<b>18</b>	CNS	Cairns	AU	2182	84.23%	1.51%	19.79
<b>19</b>	LJG	Lijiang Sanyi	CN	2352	83.46%	1.91%	17.63
<b>20</b>	INC	Yinchuan Hedong	CN	3138	82.46%	3.97%	22.52

Source: VariFlight

Figure 4: TOP20 best airports in Asia-Pacific for on-time departures (Medium-sized airports, October, 2017)

Note: Reporting airports are those whose actual departure flights are between 2000 to 6000 in October, 2017.

## Airports in mainland China

Airports in mainland China can be divided into three classes with a capacity of over 10 million passengers, 2 million passengers and less than 2 million passengers respectively, in accordance with the passenger throughput published by Civil Aviation Administration of China (CAAC), 2016.

### On-time departure rate of airports with a capacity over 10 million passengers

Urumqi Diwopu (URC), Jinan Yaoqiang (TNA) and Dalian Zhoushuizi (DLC) are the best three airports for on-time departure performance (89.37%, 84.59% and 83.88%) among airports with a capacity of over 10 million passengers in mainland China.

Ranking	IATA Code	Airports	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	URC	Urumqi Diwopu	7357	89.37%	3.41%	19.36
2	TNA	Jinan Yaoqiang	4900	84.59%	1.29%	16.51
3	DLC	Dalian Zhoushuizi	6329	83.88%	1.50%	17.06
4	CKG	Chongqing Jiangbei	12154	83.80%	2.24%	19.90
5	LHW	Lanzhou Zhongchuan	4505	81.71%	2.83%	20.92
6	CTU	Chengdu Shuangliu	13926	81.63%	1.79%	22.64
7	KMG	Kunming Changshui	15044	79.60%	1.93%	23.84
8	HAK	Haikou Meilan	6318	79.51%	2.24%	21.67
9	SZX	Shenzhen Bao'an	13668	79.22%	1.93%	24.41
10	CSX	Changsha Huanghua	7718	78.90%	3.17%	22.83
11	XIY	Xi'an Xianyang	13985	78.26%	4.16%	27.45
12	SHA	Shanghai Hongqiao	11403	78.09%	1.61%	24.17
13	TSN	Tianjin Binhai	7059	77.95%	3.41%	25.77
14	TAO	Qingdao Liuting	7757	77.64%	2.23%	24.45
15	SYX	Sanya Phoenix	4811	77.43%	3.37%	24.87
16	CGO	Zhengzhou Xinzheng	8489	76.95%	2.97%	23.47
17	KWE	Guiyang Longdongbao	6555	74.53%	2.84%	25.88
18	HRB	Harbin Taiping	5790	74.37%	3.75%	28.05
19	WUH	Wuhan Tianhe	7598	74.21%	4.28%	27.49
20	CAN	Guangzhou Baiyun	19337	73.97%	1.82%	26.98
21	NKG	Nanjing Lukou	8591	73.88%	2.97%	28.67
22	PVG	Shanghai Pudong	19412	73.22%	1.74%	26.81
23	SHE	Shenyang Taoxian	5491	72.67%	3.47%	27.89
24	HGH	Hangzhou Xiaoshan	10819	72.31%	3.40%	30.31
25	FOC	Fuzhou Changle	3868	72.07%	2.08%	25.92
26	PEK	Beijing Capital	25337	68.58%	2.47%	29.88

27	NNG	Nanning Wuxu	4551	63.74%	6.14%	38.10
28	XMN	Xiamen Gaoqi	8079	59.39%	3.70%	36.77

Source: VariFlight

Figure 5: China's airports on-time departure performance (airports with a capacity of over 10 million passengers, October, 2017)

### On-time departure rate of airports with a capacity of over 2 million passengers

Regarding airports with a capacity of over 2 million passengers, the supreme three are Xishuangbanna Gasa (JHG), Xining Caojiapu (XNN) and Hohhot Baita (HET), respectively with on-time departure rates of 90.21 percent, 86.37 percent and 85.86 percent.

Ranking	IATA Code	Airports	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	JHG	Xishuangbanna	1279	90.21%	1.10%	11.41
2	XNN	Xining Caojiapu	2171	86.37%	2.35%	15.42
3	HET	Hohhot Baita	4260	85.86%	2.36%	18.76
4	LJG	Lijiang Sanyi	2352	83.46%	1.91%	17.63
5	INC	Yinchuan Hedong	3138	82.46%	3.97%	22.52
6	TYN	Taiyuan Wusu	4599	80.41%	1.94%	21.20
7	KWL	Guilin Liangjiang	2858	78.58%	2.95%	21.68
8	CGQ	Changchun Longjia	3726	74.32%	4.91%	27.84
9	NAY	Beijing Nanyuan	1847	74.23%	4.44%	25.36
10	SWA	Jieyang Chaoshan	1685	73.90%	1.31%	22.40
11	WUX	Wuxi Shuofang	2207	71.84%	4.20%	26.69
12	NGB	Ningbo Lishe	3014	71.50%	3.20%	26.89
13	HFE	Hefei Xinqiao	3269	71.35%	3.02%	27.32
14	KHN	Nanchang Changbei	4826	71.09%	2.84%	28.20
15	YNT	Yantai Penglai	2923	70.98%	2.54%	27.22
16	LXA	Lhasa Kongga	1534	68.26%	12.50%	41.84
17	WNZ	Wenzhou Longwan	3038	66.99%	1.66%	27.60
18	ZUH	Zhuhai Jinwan	3257	65.15%	2.09%	30.18
19	SJW	Shijiazhuang Zhengding	3503	61.95%	8.65%	43.93
20	JJN	Quanzhou Jinjiang	2010	61.57%	5.30%	34.50
21	MIG	Mianyang Nanjiao	1251	53.88%	5.44%	41.90

Source: VariFlight

Figure 6: China's airports on-time departure performance (airports with a capacity of over 2 million passengers, October, 2017)

## Worst-affected airports under extreme weather conditions

In October, Shijiazhuang Zhengding International Airport suffers the most from severe weathers, a record of 41 hours in total. Zhengzhou Xinzheng International Airport, Xi'an Xianyang International Airport, Nanjing Lukou International Airport and Hangzhou Xiaoshan International Airport have also been affected for 21 hours, 16 hours, 16 hours and 13 hours respectively.

IATA Code	Airports	Inclement Weather hitting hours	Total On-time Release Rate	On-time Release Rate with Inclement Weather	On-time Release Rate without Inclement Weather
<b>SJW</b>	Shijiazhuang Zhengding	41	61.95%	39.92%	65.18%
<b>CGO</b>	Zhengzhou Xinzheng	21	76.95%	37.74%	78.80%
<b>XIY</b>	Xi'an Xianyang	16	78.26%	34.26%	80.40%
<b>NKG</b>	Nanjing Lukou	16	73.88%	46.75%	75.03%
<b>HGH</b>	Hangzhou Xiaoshan	13	72.31%	45.28%	73.63%

Source: VariFlight

Figure 7: China's worst-affected airports for normal flight release rate (October, 2017)

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October, 2017 *Airport On-time Departure Performance*

### Notes for editors

**Period:** Oct 1- Oct 31, 2017

**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%

**Flight on-time release rate:** On-time Departure Flights/ Actual Departure 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.)

### **About VariFlight**

Founded in 2005, VariFlight is a leading aviation service provider in China. Today we pride ourselves on being a global leader in aviation data and related analytics such as flight status data, fleets data, flight delay analysis, on-time performance analysis, A-CDM and aviation meteorology statistical analysis.