Airport On-time Departure Performance (Dec. 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 December, 2017.

Global Hubs

Itami Airport (ITM) tops the large airports chart in December with an on-time departure rate of 93.02percent and an average delay of 13.92 minutes.

Ranking	IATA Code	Airports	Country	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	ITM	Itami	JP	6173	93.02%	0.07%	13.92
2	CTS	New Chitose	JP	6826	91.27%	0.50%	9.13
3	XIY	Xi'an Xianyang	CN	13039	88.54%	1.48%	17.39
4	SHA	Shanghai Hongqiao	CN	11022	88.24%	0.95%	17.55
5	DOH	Doha	QA	7919	87.86%	0.84%	19.13
6	HND	Haneda	JP	21177	86.68%	0.34%	20.05
7	CKG	Chongqing Jiangbei	CN	12018	86.58%	3.16%	18.87
8	ATH	Athens	GR	6268	86.10%	0.96%	19.58
9	CSX	Changsha Huanghua	CN	7120	85.85%	1.68%	17.11
10	WUH	Wuhan Tianhe	CN	7589	85.37%	1.32%	17.65

Source: VariFlight

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

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

Global Medium-sized Airports

Wellington International Airport (WLG) delivers the best on time performance among all medium-sized airports worldwide with 92.63 percent punctuality and an average delay of 12.77 minutes.

Ranking	IATA Code	Airports	Country	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay
1	WLG	Wellington	NZ	3387	92.63%	0.40%	12.77
2	KHH	Kaohsiung	TW,CN	2166	92.60%	0.45%	12.09
3	TSA	Taipei Songshan	TW,CN	2112	91.74%	0.47%	14.70
4	NGO	Nagoya	JP	4290	91.20%	1.04%	16.38
5	SDJ	Sendai	JP	2225	91.01%	0.14%	13.24
6	KOJ	Kagoshima	JP	3070	90.50%	0.38%	16.42
7	CMN	Mohammed V Internationa	MA	3546	90.34%	1.37%	13.68
8	INC	Yinchuan Hedong	CN	2631	89.68%	1.78%	14.17
9	BEY	Beirut	LB	2455	89.57%	0.55%	14.01
10	HET	Hohhot Baita	CN	3574.00	89.18%	0.67%	15.05

Source: VariFlight

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

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

Asia-Pacific----Major Airports

Itami Airport (ITM) ranks first of all major airports in Asia-Pacific region with an on-time departure rate of 93.02 percent. In mainland China, Xi'an Xianyang International Airport (XIY) ranks third (88.54percent).

Ranking	IATA Code	Airports	Country	Flight Departures	On-time Departure Performance	Delay Over2h	Average Departure Delay (minutes)
1	ITM	Itami	JP	6173	93.02%	0.07%	13.92
2	CTS	New Chitose	JP	6826	91.27%	0.50%	9.13
3	XIY	Xi'an Xianyang	CN	13039	88.54%	1.48%	17.39
4	SHA	Shanghai Hongqiao	CN	11022	88.24%	0.95%	17.55
5	HND	Haneda	JP	21177	86.68%	0.34%	20.05
6	CKG	Chongqing Jiangbei	CN	12018	86.58%	3.16%	18.87
7	CSX	Changsha Huanghua	CN	7120	85.85%	1.68%	17.11
8	WUH	Wuhan Tianhe	CN	7589	85.37%	1.32%	17.65
9	SZX	Shenzhen Bao'an	CN	13561	85.31%	1.60%	20.56
10	KWE	uiyang Longdongba	CN	6174	84.87%	1.79%	18.19
11	FUK	Fukuoka	JP	8071	84.83%	0.57%	19.91
12	KIX	Osaka	JP	7497	84.34%	1.24%	19.96
13	URC	Urumqi Diwopu	CN	6381	83.65%	4.20%	25.67
14	HAK	Haikou Meilan	CN	7143	83.25%	1.65%	19.82
15	KMG	Kunming Changshui	CN	14874	82.71%	2.44%	23.76
16	TAO	Qingdao Liuting	CN	6898	82.70%	1.48%	19.73
17	HGH	Hangzhou Xiaoshan	CN	10168	82.38%	1.86%	23.06
18	CTU	Chengdu Shuangliu	CN	14316	82.06%	3.10%	24.32
19	OKA	Naha	JP	6012	81.42%	0.55%	20.51
20	PVG	Shanghai Pudong	CN	18995	80.92%	1.09%	23.04

Source: VariFlight

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

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

Asia-Pacific----Medium-sized Airports

Wellington International Airport (WLG) ranks first among medium-sized airports in the Asia-Pacific region with an on-time departure rate of 92.63 percent. In mainland China, Yinchuan Hedong Airport (INC) is recognized as seventh with an on-time performance of 89.68 percent.

Ranking	IATA Code	Airports	Country	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	WLG	Wellington	NZ	3387	92.63%	0.40%	12.77
2	KHH	Kaohsiung	TW,CN	2166	92.60%	0.45%	12.09
3	TSA	Taipei Songshan	TW,CN	2112	91.74%	0.47%	14.70
4	NGO	Nagoya	JP	4290	91.20%	1.04%	16.38
5	SDJ	Sendai	JP	2225	91.01%	0.14%	13.24
6	KOJ	Kagoshima	JP	3070	90.50%	0.38%	16.42
7	INC	Yinchuan Hedong	CN	2631	89.68%	1.78%	14.17
8	HET	Hohhot Baita	CN	3574	89.18%	0.67%	15.05
9	DLC	Dalian Zhoushuizi	CN	5411	89.08%	1.05%	13.28
10	CHC	Christchurch	NZ	3247	88.87%	0.50%	15.83
11	SZB	Sultan Abdul Aziz Shah	MY	2107	88.83%	0.72%	12.00
12	ADL	Adelaide	AU	3351	88.69%	0.59%	16.12
13	TNA	Jinan Yaoqiang	CN	4698	87.93%	1.86%	16.41
14	KWL	Guilin Liangjiang	CN	2309	87.73%	1.79%	14.66
15	PUS	Busan	KR	4702	87.65%	0.92%	17.49
16	TYN	Taiyuan Wusu	CN	4042	87.43%	1.24%	16.56
17	PER	Perth	AU	4421	86.08%	1.66%	20.79
18	KHN	Nanchang Changbei	CN	4478	86.05%	0.79%	16.72
19	LHW	Lanzhou Zhongchuan	CN	3898	85.37%	2.06%	17.57
20	LJG	Lijiang Sanyi	CN	2181	85.05%	1.88%	15.97

Source: VariFlight

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

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

Dalian Zhoushuizi (DLC), Xi'an Xianyang(XIY) and Shanghai hongqiao (SHA) are the best three airports for on-time departure performance (89.08%, 88.54% and 88.24%) 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	DLC	Dalian Zhoushuizi	5411	89.08%	1.05%	13.28
2	XIY	Xi'an Xianyang	13039	88.54%	1.48%	17.39
3	SHA	Shanghai Hongqiao	11022	88.24%	0.95%	17.55
4	TNA	Jinan Yaoqiang	4698	87.93%	1.86%	16.41
5	CKG	Chongqing Jiangbe	12018	86.58%	3.16%	18.87
6	CSX	Changsha Huanghua	7120	85.85%	1.68%	17.11
7	WUH	Wuhan Tianhe	7589	85.37%	1.32%	17.65
8	LHW	Lanzhou Zhongchuan	3898	85.37%	2.06%	17.57
9	SZX	Shenzhen Bao'an	13561	85.31%	1.60%	20.56
10	KWE	Guiyang Longdongbao	6174	84.87%	1.79%	18.19
11	URC	Urumqi Diwopu	6381	83.65%	4.20%	25.67
12	HAK	Haikou Meilan	7143	83.25%	1.65%	19.82
13	KMG	Kunming Changshui	14874	82.71%	2.44%	23.76
14	TAO	Qingdao Liuting	6898	82.70%	1.48%	19.73
15	HGH	Hangzhou Xiaoshan	10168	82.38%	1.86%	23.06
16	CTU	Chengdu Shuangliu	14316	82.06%	3.10%	24.32
17	FOC	Fuzhou Changle	4095	81.45%	1.47%	21.76
18	PVG	Shanghai Pudong	18995	80.92%	1.09%	23.04
19	CAN	Guangzhou Baiyun	18956	80.42%	1.37%	23.51
20	SHE	Shenyang Taoxian	5317	80.33%	1.43%	22.56
21	NKG	Nanjing Lukou	8038	79.61%	2.93%	26.18
22	CGO	Zhengzhou Xinzheng	7891	79.25%	3.43%	22.86
23	SYX	Sanya Phoenix	5521	78.65%	2.54%	24.08
24	TSN	Tianjin Binhai	6704	77.36%	2.52%	24.51
25	HRB	Harbin Taiping	5719	76.92%	2.40%	25.50
26	XMN	Xiamen Gaoqi	8085	76.80%	1.15%	24.95
27	NNG	Nanning Wuxu	4331	75.50%	4.30%	27.72
28	PEK	Beijing Capital	24734	71.71%	2.16%	27.30

Source: VariFlight

Figure 5: China’s airports on-time departure performance (airports with a capacity of over 10 million passengers, December,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 Xining Caojiapu (XNN),Yinchuan Hedong (INC), and Hohhot Baita (HET), respectively with on-time departure rates of 90.20 percent, 89.68percent and 89.18 percent.

Ranking	IATA Code	Airports	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	XNN	Xining Caojiapu	1429	90.20%	0.98%	11.38
2	INC	Yinchuan Hedong	2631	89.68%	1.78%	14.17
3	HET	Hohhot Baita	3574	89.18%	0.67%	15.05
4	KWL	Guilin Liangjiang	2309	87.73%	1.79%	14.66
5	TYN	Taiyuan Wusu	4042	87.43%	1.24%	16.56
6	KHN	Nanchang Changbei	4478	86.05%	0.79%	16.72
7	LJG	Lijiang Sanyi	2181	85.05%	1.88%	15.97
8	ZUH	Zhuhai Jinwan	2997	84.57%	1.54%	19.24
9	NGB	Ningbo Lishe	2900	83.10%	1.31%	19.35
10	SWA	Jieyang Chaoshan	1446	82.85%	1.24%	18.13
11	WUX	Sunan Shuofang	2181	82.07%	1.01%	17.12
12	JHG	Xishuangbanna	1508	79.53%	2.13%	20.11
13	LXA	Lhasa Kongga	1234	77.64%	3.25%	23.45
14	WNZ	Wenzhou Longwan	3095	77.29%	1.59%	23.01
15	YNT	Yantai Penglai	2497	77.10%	2.78%	24.18
16	CGQ	Changchun Longjia	3746	76.75%	2.41%	23.53
17	HFE	Hefei Xinqiao	3393	76.23%	2.46%	24.07
18	JJN	Quanzhou Jinjiang	2321	75.37%	2.22%	23.66
19	NAY	Beijing Nanyuan	1881	73.52%	4.36%	27.62
20	SJW	Shijiazhuang Zhengding	3583	68.66%	2.91%	29.65
21	MIG	Mianyang Nanjiao	938	57.57%	5.76%	38.84

Source: VariFlight

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

Worst-affected airports under extreme weather conditions

In December, Hefei Xinqiao International Airport (HFE) suffers the most from severe weathers, a record of 26 hours in total. Nanjing Lukou International Airport (NKG), Mianyang Nanjiao International Airport (MIG), Urumqi Diwopu International Airport (URC)and Changchun Longjia (CGQ)have also been affected for 22 hours, 22 hours, 20 hours and 19 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
HFE	Hefei Xinqiao	26	76.23%	45.36%	78.50%
NKG	Nanjing Lukou	22	79.61%	36.90%	82.06%
MIG	Mianyang Nanjiao	22	57.57%	28.13%	62.00%
URC	Urumqi Diwopu	20	83.65%	52.74%	84.56%
CGQ	Changchun Longjia	19	76.75%	17.62%	80.78%

Source: VariFlight

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

Having years of expertise and incomparable aviation data, VariFlight delivers the industry's most timely and detailed aviation data, reports and forecasts, such as the normal rate of flight release, fleets, airport operation efficiency and flight route analysis. For more information, please call us at +86 551 65560363 or send us an email: Aviation@VariFlight.com.

Download

December, 2017 *Airport On-time Departure Performance*

Notes for editors

Period: Dec 1- Dec 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.