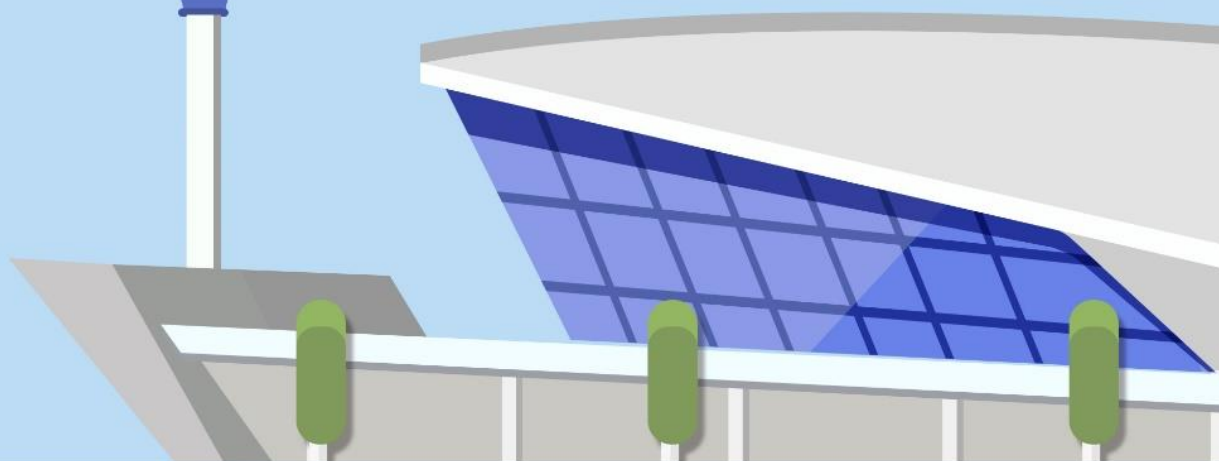


January 2019

# Airports On-time Departure Performance Report



## Airports On-Time Departure Performance (Jan 2019, by VariFlight)

### CTU chalks up eighth in global TOP10 OTP chart

Powered by VariFlight incomparable aviation database, the monthly report of *Airports On-time Departure Performance* provides an overview of how global airports perform in January, 2019.

In January, Haneda Airport (HND) tops the OTP chart of global large airports. In mainland China, Chengdu Shuangliu (CTU) chalks up eighth in in global OTP list.

- Two Chinese airports join global TOP10 OTP list, where Chengdu Shuangliu (CTU) and Shanghai Hongqiao (SHA) rank eighth and tenth respectively.
- Chengdu Shuangliu (CTU) and Jinan Yaoqiang (TNA) hit the top spot respectively among airports with a capacity of over 30 million passengers and of 10 to 30 million passengers in mainland China.
- Hangzhou Xiaoshan (HGH) suffers the most from severe weather in January, being affected by 119 hours.

### Global Hubs

#### CTU ranks eighth among global hubs

In January, Haneda Airport (HND) leads among global TOP10 hubs with an on-time departure rate of 91.58 percent, while Chengdu Shuangliu (CTU) chalks up eighth with an on-time performance of 85.75 percent, followed by Shanghai Hongqiao (SHA) in the tenth place.

Ranking	IATA Code	Airports	Country/Region	Flight Departures	On-time Departure Performance	Average Departure Delay (minutes)
1	HND	Haneda	JP	21305	91.58%	18.37
2	KIX	Osaka	JP	7906	89.60%	14.87
3	FUK	Fukuoka	JP	8252	88.93%	16.97
4	BNE	Brisbane	AU	7933	88.37%	17.32
5	PDX	Portland	US	7365	88.18%	17.83
6	HNL	Honolulu	US	6252	87.97%	19.66
7	CTS	New Chitose	JP	7114	87.95%	12.70
8	CTU	Chengdu Shuangliu	CN	15035	85.75%	19.76
9	DAL	Dallas Love Field	US	6219	85.49%	17.46

10	SHA	Shanghai Hongqiao	CN	11587	85.20%	19.70
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Source: VariFlight

Figure 1: World's TOP10 best airports for on-time departures (Large airports, Jan, 2019)

## Global Medium-Sized Airports

### KOJ tops the OTP chart of medium-sized airports

Among the TOP10 global medium-sized airports, Kagoshima (KOJ) ranks first with an on-time rate of 95.57 percent and an average departure delay of 11.53 minutes, followed by Itami (ITM) and Mohammed V (CMN) in the second and third places. No airports in mainland China make the list

Ranking	IATA Code	Airports	Country/Region	Flight Departures	On-time Departure Performance	Average Departure Delay (minutes)
1	KOJ	Kagoshima	JP	3122	95.57%	11.53
2	ITM	Itami	JP	5987	95.45%	12.19
3	CMN	Mohammed V	MA	3490	94.65%	10.82
4	KHH	Kaohsiung	TW, CN	2413	94.53%	9.85
5	NGO	Nagoya	JP	4563	94.35%	12.71
6	TFN	Tenerife	ES	2919	94.32%	10.31
7	TSA	Taipei Songshan	TW, CN	2187	92.48%	14.95
8	LIN	Milan Linate	IT	3921	92.34%	11.99
9	SDJ	Sendai	JP	2196	92.09%	12.27
10	CHC	Christchurch	NZ	3101	92.00%	12.87

Source: VariFlight

Figure 2: World's TOP10 best airports for on-time departures (Medium-sized airports, Jan, 2019)

## APAC Major Airports

### Japan dominates TOP3 list

The best three players in APAC TOP20 major airports rankings are all Japanese airports, where Haneda (HND) takes the top spot. In mainland China, eleven airports make the list, among which Chengdu Shuangliu (CTU) ranks in the sixth, followed by Shanghai Hongqiao (SHA).

Ranking	IATA Code	Airports	Country / Region	Flight Departures	On-time Departure Performance	Average Departure Delay (minutes)
1	HND	Haneda	JP	21305	91.58%	18.37
2	KIX	Osaka	JP	7906	89.60%	14.87
3	FUK	Fukuoka	JP	8252	88.93%	16.97
4	BNE	Brisbane	AU	7933	88.37%	17.32
5	CTS	New Chitose	JP	7114	87.95%	12.70

6	CTU	Chengdu Shuangliu	CN	15035	85.75%	19.76
7	SHA	Shanghai Hongqiao	CN	11587	85.20%	19.70
8	CKG	Chongqing Jiangbei	CN	13310	84.28%	19.12
9	OKA	Naha	JP	6440	82.49%	19.45
10	XIY	Xi'an Xianyang	CN	14101	82.36%	25.46
11	CAN	Guangzhou Baiyun	CN	20046	81.72%	22.63
12	CJU	Jeju	KR	7120	81.57%	22.05
13	PEK	Beijing Capital	CN	25593	81.34%	22.92
14	AKL	Auckland	NZ	7399	81.09%	20.67
15	WUH	Wuhan Tianhe	CN	8339	80.92%	21.44
16	KWE	Guiyang Longdongbao	CN	6814	79.37%	24.11
17	URC	Urumqi Diwopu	CN	7124	79.27%	32.83
18	SHE	Shenyang Taoxian	CN	6094	79.00%	24.48
19	SZX	Shenzhen Bao'an	CN	14745	78.20%	25.72
20	MEL	Melbourne Tullamarine	AU	10367	78.02%	23.83

Source: VariFlight

Figure 3: TOP20 best airports in Asia-Pacific for on-time departures (Major airports, Jan, 2019)

### APAC Medium-Sized Airports

#### INC cuts a figure in APAC OTP chart

In January, Kagoshima (KOJ) ranks first of the TOP20 list with an on-time departure rate of 95.57 percent. In mainland China, Yinchuan Hedong (INC) tops the four Chinese medium-sized airports in the APAC list with OTP of 87.47 percent and an average departure delay of 15.18 minutes.

Ranking	IATA Code	Airports	Country / Region	Flight Departures	On-time Departure Performance	Average Departure Delay (minutes)
1	KOJ	Kagoshima	JP	3122	95.57%	11.53
2	ITM	Itami	JP	5987	95.45%	12.19
3	KHH	Kaohsiung	TW, CN	2413	94.53%	9.85
4	NGO	Nagoya	JP	4563	94.35%	12.71
5	TSA	Taipei Songshan	TW, CN	2187	92.48%	14.95
6	SDJ	Sendai	JP	2196	92.09%	12.27
7	CHC	Christchurch	NZ	3101	92.00%	12.87
8	WLG	Wellington	NZ	3146	91.58%	13.51
9	PNH	Pochentong	KH	2311	90.63%	14.03
10	PUS	Busan	KR	4922	90.11%	15.53
11	ADL	Adelaide	AU	3237	89.74%	15.04
12	PER	Perth	AU	4280	88.00%	18.09
13	INC	Yinchuan Hedong	CN	3187	87.47%	15.18
14	TNA	Jinan Yaoqiang	CN	5192	86.52%	16.57

15	LJG	Lijiang Sanyi	CN	2118	86.34%	15.29
16	GMP	Gimpo	KR	5932	86.27%	19.89
17	BKI	Sabah	MY	3174	83.84%	17.60
18	DLC	Dalian Zhoushuizi	CN	5987	83.69%	17.31
19	BPN	Balikpapan	ID	2267	83.42%	18.14
20	PEN	Penang	MY	2695	83.36%	17.60

Source: VariFlight

Figure 4: TOP20 best airports in Asia-Pacific for on-time departures (Medium-sized airports, Jan, 2019)

### Mainland China: Airports with a Capacity over 10 Million Passengers

Up to now, there are 37 airports in mainland China with a capacity over 10 million passengers, including 10 airports with a capacity over 30 million passengers and 27 airports with a capacity of 10 million to 30 million passengers.

### Airports with a Capacity over 30 Million Passengers

#### CTU tops the list and PEK shows the most rapid growth

Regarding airports with a capacity of over 30 million passengers, Chengdu Shuangliu (CTU) ranks first with an on-time performance of 85.75 percent (increasing 3.33 percent YoY) followed by Shanghai Hongqiao (SHA) and Chongqing Jiangbei (CKG). Beijing Capital (PEK) shows the most rapid growth of 7.35 percent, followed by Guangzhou Baiyun (CAN) and Xi'an Xianyang (XIY) with respectively 6.06 percent and 5.58 percent.

Ranking	IATA Code	Airports	Flight Departures	On-time Departure Performance	YoY	Average Departure Delay (minutes)
1	CTU	Chengdu Shuangliu	15035	85.75%	3.33%	19.76
2	SHA	Shanghai Hongqiao	11587	85.20%	2.77%	19.70
3	CKG	Chongqing Jiangbei	13310	84.28%	-2.72%	19.12
4	XIY	Xi'an Xianyang	14101	82.36%	5.58%	25.46
5	CAN	Guangzhou Baiyun	20046	81.72%	6.06%	22.63
6	PEK	Beijing Capital	25593	81.34%	7.35%	22.92
7	SZX	Shenzhen Bao'an	14745	78.20%	-2.60%	25.72
8	KMG	Kunming Changshui	15747	77.80%	-0.89%	25.89
9	PVG	Shanghai Pudong	19978	75.05%	0.78%	26.45
10	HGH	Hangzhou Xiaoshan	11082	71.36%	-5.01%	32.22

Source: VariFlight

Figure 5: China's airports on-time departure performance (airports with a capacity of over 30 million passengers, Jan, 2019)

### Mainland China: Airports with a Capacity of 10 Million to 30 Million Passengers

#### TNA tops the list and SHE shows the most rapid growth

Among the airports with a capacity of 10 million to 30 million passengers in mainland China, Jinan Yaoqiang (TNA) ranks first with an on-time performance of 86.52 percent (increasing 3.42 percent YoY) , followed by Dalian Zhoushuizi (DLC) and Lanzhou Zhongchuan (LHW). Compared with the same period last year, Shenyang Taoxian (SHE) enjoys the most rapid YoY growth of 11.50 percent, followed by Changchun Longjia (CGQ) and Nanning Wuxu (NNG) with respectively 9.02 percent and 8.31 percent.

Ranking	IATA Code	Airports	Flight Departures	On-time Departure Performance	YoY	Average Departure Delay (minutes)
1	TNA	Jinan Yaoqiang	5192	86.52%	3.42%	16.57
2	DLC	Dalian Zhoushuizi	5987	83.69%	3.07%	17.31
3	LHW	Lanzhou Zhongchuan	4724	82.84%	-0.41%	18.85
4	HET	Hohhot Baita	3992	82.01%	0.74%	21.95
5	WUH	Wuhan Tianhe	8339	80.92%	5.62%	21.44
6	ZUH	Zhuhai Jinwan	3471	80.17%	1.73%	20.08
7	KWE	Guiyang Longdongbao	6814	79.37%	4.24%	24.11
8	URC	Urumqi Diwopu	7124	79.27%	-2.22%	32.83
9	SHE	Shenyang Taoxian	6094	79.00%	11.50%	24.48
10	CGQ	Changchun Longjia	4147	78.45%	9.02%	24.58
11	TYN	Taiyuan Wusu	4834	77.03%	-6.39%	24.74
12	CSX	Changsha Huanghua	7735	76.86%	-2.09%	25.15
13	HRB	Harbin Taiping	6369	76.77%	3.12%	28.02
14	SJW	Shijiazhuang Zhengding	3774	75.98%	4.79%	25.09
15	TAO	Qingdao Liuting	7459	75.85%	-1.61%	27.35
16	CGO	Zhengzhou Xinzheng	8756	74.52%	-0.98%	33.89
17	FOC	Fuzhou Changle	4642	74.41%	-2.49%	29.29
18	KHN	Nanchang Changbei	4773	74.29%	-4.36%	27.19
19	NNG	Nanning Wuxu	4829	74.18%	8.31%	28.89
20	NGB	Ningbo Lishe	3959	73.46%	-3.81%	26.51
21	HAK	Haikou Meilan	7759	72.40%	-4.68%	32.05
22	TSN	Tianjin Binhai	7374	71.76%	-6.14%	29.42
23	SYX	Sanya Phoenix	5809	68.67%	-3.82%	33.06
24	NKG	Nanjing Lukou	9158	68.54%	-0.34%	33.68
25	HFE	Hefei Xinqiao	4120	66.75%	3.26%	36.51
26	XMN	Xiamen Gaoqi	8001	63.41%	-4.78%	34.99
27	WNZ	Wenzhou Longwan	4159	63.23%	-12.47%	34.47

Source: VariFlight

Figure 6: China's airports on-time departure performance (airports with a capacity of 10 million to 30 million passengers, Jan, 2019)

**Mainland China: Airports with a Capacity of 2 Million to 10 Million Passengers  
HLD tops the OTP chart and JHG 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 91.63 percent. Compared with the same period last year, Xishuangbanna (JHG) enjoys the most rapid YoY growth of 14.45 percent, followed by Weihai (WEH) and Lhasa Kongga (LXA) with respectively 7.37 percent and 6.08 percent.

Ranking	IATA Code	Airports	Flight Departures	On-time Departure Performance	YoY	Average Departure Delay (minutes)
1	HLD	Hulun Buir Dongshan	499	91.63%	4.13%	13.18
2	UYN	yulin yuyang	878	90.86%	0.95%	12.16
3	XNN	Xining Caojiapu	1833	89.35%	2.49%	14.04
4	DYG	Zhangjiajie Hehua	634	88.78%	4.65%	11.93
5	INC	Yinchuan Hedong	3187	87.47%	5.62%	15.18
6	LJG	Lijiang Sanyi	2118	86.34%	2.54%	15.29
7	JHG	Xishuangbanna	1657	85.58%	14.45%	16.55
8	KHG	Kashgar	878	84.85%	2.18%	25.50
9	ZHA	ZhanJiang	1240	82.73%	0.00%	19.16
10	DSN	Ordos	879	81.75%	-3.10%	20.27
11	KWL	Guilin Liangjiang	2369	80.34%	-1.91%	21.11
12	LXA	Lhasa Kongga	1428	80.01%	6.08%	23.97
13	WEH	WeiHai	1071	75.44%	7.37%	28.64
14	SWA	Jieyang Chaoshan	2208	75.25%	-1.35%	24.73
15	ZYI	Zunyi Xinzhou	881	74.71%	2.31%	28.30
16	BAV	Baotou	958	74.40%	-8.46%	28.53
17	BHY	BeiHai	906	72.90%	-2.97%	27.39
18	LYI	LinYi	829	72.71%	1.06%	25.37
19	YIH	Yichang Sanxia	1092	71.59%	-5.55%	28.04
20	YNT	Yantai Penglai	3364	67.69%	2.32%	29.39
21	NTG	Nantong Xingdong	1117	67.56%	-1.56%	30.70
22	JJN	Quanzhou Jinjiang	2632	66.26%	-5.44%	32.03
23	NAY	Beijing Nanyuan	2041	65.54%	-12.65%	31.09
24	YCU	YunCheng	885	64.07%	-14.03%	32.02
25	YTY	Yangzhou Taizhou	849	63.13%	-2.73%	36.07
26	XUZ	XuZhou	921	62.19%	-0.15%	37.17
27	MIG	Mianyang Nanjiao	1106	61.23%	-2.61%	36.36
28	WUX	Sunan Shuofang	2364	55.82%	-12.22%	36.76
29	CZX	ChangZhou	1259	50.44%	-7.58%	39.75

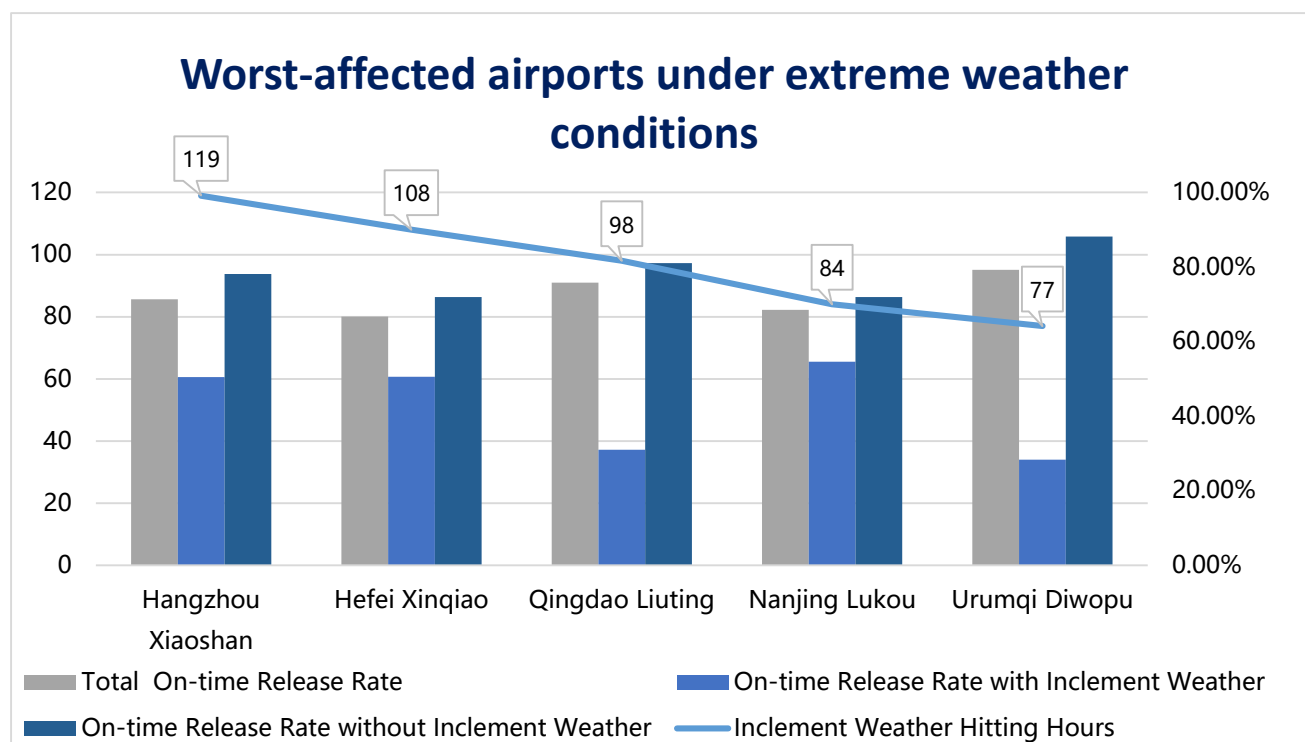
Source: VariFlight

Figure 7: China's airports on-time departure performance (airports with a capacity of 2 million to 10 million passengers, Jan, 2019)

### Worst-Affected Airports under Severe Weather

#### HGH suffers the most from severe weather

In January, Hangzhou Xiaoshan (HGH) suffers the most from inclement weather, being affected by 119 hours, while Hefei Xinqiao (HFE) and Qingdao Liuting (TAO) are disrupted for 108 and 98 hours respectively.



Source: VariFlight

Figure 8: China's worst-affected airports for normal flight release rate (Jan, 2019)

### Notes for editors

**Period:** Jan 1 - Jan 31, 2019

**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 30 million passengers, 10 million to 30 million passengers and 2 million to 10 million passengers respectively, in accordance with the passenger throughput published by Civil Aviation Administration of China (CAAC), 2018.