***Airport On-time Departure Performance (Sept. 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 every month in 2017.

**Global Hubs**

New Chitose Airport (CTS) tops the large airports chart in September with an on-time departure rate of 95.67 percent and an average delay of 8.14 minutes.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Ranking | IATA  Code | Airports | Country | Flight  Departures | On-time Departure Performance | Delay  Over 2h | Average Departure Delay (minutes) |
| 1 | CTS | New Chitose | JP | 8107 | 95.67% | 0.40% | 8.14 |
| 2 | ITM | Itami | JP | 8513 | 94.98% | 0.08% | 13.10 |
| 3 | HNL | Honolulu | US | 6778 | 92.94% | 0.77% | 15.16 |
| 4 | HEL | Helsinki-Vantaa | FI | 8899 | 91.22% | 0.44% | 14.21 |
| 5 | OSL | Oslo | NO | 11618 | 88.60% | 0.64% | 16.51 |
| 6 | BLR | Bengaluru | IN | 7659 | 88.56% | 1.38% | 16.32 |
| 7 | STL | Lambert-St. Louis | US | 8536 | 88.23% | 1.50% | 17.06 |
| 8 | YYC | Calgary | CA | 9692 | 88.17% | 1.27% | 17.37 |
| 9 | HND | Haneda | JP | 20689 | 87.78% | 0.37% | 20.32 |
| 10 | FUK | Fukuoka | JP | 9043 | 87.76% | 0.31% | 18.00 |

Source: VariFlight

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

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

**Global Medium-sized Airports**

Sendai Airport (SDJ) delivers the best on time performance among all medium-sized airports worldwide with 96.11 percent punctuality and an average delay of 11.03 minutes.

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Ranking | IATA  Code | Airports | Country | Flight  Departures | On-time Departure Performance | Delay  Over 2h | Average Departure Delay (minutes) |
| 1 | SDJ | Sendai | JP | 2926 | 96.11% | 0.15% | 11.03 |
| 2 | OGG | Kahului | US | 3020 | 95.28% | 0.38% | 7.77 |
| 3 | TRD | Trondheim | NO | 2679 | 93.99% | 0.26% | 9.27 |
| 4 | KHH | Kaohsiung | TW,CN | 2147 | 93.48% | 0.92% | 12.21 |
| 5 | KOJ | Kagoshima | JP | 3789 | 92.76% | 0.42% | 15.28 |
| 6 | KMI | Miyazaki | JP | 2259 | 92.59% | 0.00% | 13.60 |
| 7 | SVG | Stavanger | NO | 2444 | 92.52% | 0.50% | 11.13 |
| 8 | YWG | Winnipeg | CA | 3139 | 91.96% | 1.02% | 11.30 |
| 9 | BGO | Bergen | NO | 3373 | 91.76% | 0.31% | 11.72 |
| 10 | OMA | Eppley Airfield | US | 2784 | 91.57% | 1.22% | 14.86 |

Source: VariFlight

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

Note: Reporting airports are those whose actual departure flights are between 2000 to 6000 in September, 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 95.67 percent. In mainland China, Urumqi Diwopu International Airport (URC) ranks fifth (87.43 percent).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Ranking | IATA  Code | Airports | Country | Flight  Departures | On-time Departure Performance | Delay  Over 2h | Average Departure Delay (minutes) |
| 1 | CTS | New Chitose | JP | 8107 | 95.67% | 0.40% | 8.14 |
| 2 | ITM | Itami | JP | 8513 | 94.98% | 0.08% | 13.10 |
| 3 | HND | Haneda | JP | 20689 | 87.78% | 0.37% | 20.32 |
| 4 | FUK | Fukuoka | JP | 9043 | 87.76% | 0.31% | 18.00 |
| 5 | URC | Urumqi Diwopu | CN | 7647 | 87.43% | 1.84% | 17.04 |
| 6 | AKL | Oakland | NZ | 7208 | 87.04% | 0.98% | 18.08 |
| 7 | KIX | Kansai | JP | 7264 | 86.90% | 1.29% | 19.74 |
| 8 | GMP | Gimpo | KR | 6212 | 86.48% | 0.31% | 20.39 |
| 9 | DMK | Don Mueang | TH | 10357 | 86.32% | 0.69% | 18.92 |
| 10 | BNE | Brisbane | AU | 8831 | 85.46% | 1.55% | 19.55 |
| 11 | BKK | Suvarnabhumi | TH | 14179 | 79.62% | 1.37% | 23.12 |
| 12 | SGN | Tan Son Nhat | VN | 8454 | 78.05% | 1.42% | 23.29 |
| 13 | SIN | Singapore Changi | SG | 14721 | 77.78% | 1.23% | 25.27 |
| 14 | DLC | Dalian Zhoushuizi | CN | 6280 | 77.70% | 2.54% | 22.72 |
| 15 | MEL | Melbourne | AU | 10402 | 77.30% | 1.55% | 23.89 |
| 16 | TPE | Taiwan Taoyuan | TW,CN | 9149 | 77.15% | 1.25% | 25.37 |
| 17 | SUB | Banda Udara | ID | 6387 | 76.09% | 2.60% | 24.17 |
| 18 | CJU | Jeju | KR | 7708 | 74.82% | 1.18% | 25.56 |
| 19 | SYD | Sydney Kingsford Smith | AU | 13523 | 74.71% | 1.53% | 26.54 |
| 20 | OKA | Naha | JP | 6473 | 73.56% | 0.91% | 24.76 |

Source: VariFlight

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

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

**Asia-Pacific----Medium-sized Airports**

Sendai Airport (SDJ) ranks first among medium-sized airports in the Asia-Pacific region with an on-time departure rate of 96.11 percent. And in mainland China, Xining Caojiapu Airport (XNN) is recognized as sixteenth with an on-time performance of 82.05 percent.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Ranking | IATA  Code | Airports | Country | Flight  Departures | On-time Departure Performance | Delay  Over 2h | Average Departure Delay (minutes) |
| 1 | SDJ | Sendai | JP | 2926 | 96.11% | 0.15% | 11.03 |
| 2 | KHH | Kaohsiung | TW,CN | 2147 | 93.48% | 0.92% | 12.21 |
| 3 | KOJ | Kagoshima | JP | 3789 | 92.76% | 0.42% | 15.28 |
| 4 | KMI | Miyazaki | JP | 2259 | 92.59% | 0.00% | 13.60 |
| 5 | CNX | Chiang Mai | TH | 3065 | 91.44% | 1.15% | 11.59 |
| 6 | CHC | Christchurch | NZ | 4149 | 91.44% | 0.15% | 12.99 |
| 7 | NGO | Central Japan | JP | 5333 | 90.36% | 0.82% | 16.64 |
| 8 | WLG | Wellington | NZ | 4040 | 89.51% | 0.37% | 13.97 |
| 9 | TSA | Taipei Songshan | TW,CN | 2079 | 89.32% | 0.72% | 16.46 |
| 10 | HKT | Phuket | TH | 4257 | 88.63% | 0.92% | 12.79 |
| 11 | PUS | Busan | KR | 4590 | 88.21% | 0.44% | 17.02 |
| 12 | CBR | Canberra | AU | 2008 | 86.85% | 1.56% | 15.69 |
| 13 | PER | Perth | AU | 4857 | 85.74% | 1.46% | 19.13 |
| 14 | ADL | Adelaide | AU | 3608 | 85.41% | 1.05% | 17.68 |
| 15 | CNS | Cairns | AU | 2180 | 84.69% | 1.64% | 18.31 |
| 16 | XNN | Xining Caojiapu | CN | 2278 | 82.05% | 3.29% | 19.96 |
| 17 | HAN | Noi Bai | VN | 5790 | 80.13% | 1.47% | 22.51 |
| 18 | PEN | Penang | MY | 2449 | 77.01% | 3.02% | 23.69 |
| 19 | INC | Yinchuan Hedong | CN | 3080 | 76.73% | 3.52% | 25.42 |
| 20 | HET | Hohhot Baita | CN | 4280 | 75.96% | 4.61% | 28.96 |

Source: VariFlight

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

Note: Reporting airports are those whose actual departure flights are between 2000 to 6000 in September, 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), Dalian Zhoushuizi (DLC) and Jinan Yaoqiang (TNA) are the best three airports for on-time departure performance (87.43%, 77.70% and 73.70%) 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 | 7647 | 87.43% | 1.84% | 17.04 |
| 2 | DLC | Dalian Zhoushuizi | 6280 | 77.70% | 2.54% | 22.72 |
| 3 | TNA | Jinan Yaoqiang | 4783 | 73.70% | 3.32% | 25.38 |
| 4 | CKG | Chongqing Jiangbei | 11645 | 72.34% | 4.31% | 29.61 |
| 5 | CGO | Zhengzhou Xinzheng | 8127 | 69.04% | 6.60% | 34.05 |
| 6 | TSN | Tianjin Binhai | 7038 | 68.26% | 6.53% | 34.69 |
| 7 | LHW | Lanzhou Zhongchuan | 4639 | 68.19% | 4.97% | 31.76 |
| 8 | XIY | Xi'an Xianyang | 13746 | 67.98% | 4.02% | 32.28 |
| 9 | CSX | Changsha Huanghua | 7514 | 67.79% | 6.06% | 32.52 |
| 10 | TAO | Qingdao Liuting | 7599 | 67.54% | 3.07% | 30.49 |
| 11 | KMG | Kunming Changshui | 14532 | 66.60% | 4.08% | 33.16 |
| 12 | HRB | Harbin Taiping | 5639 | 65.94% | 5.84% | 36.07 |
| 13 | WUH | Wuhan Tianhe | 7285 | 65.59% | 7.34% | 36.06 |
| 14 | KWE | Guiyang Longdongbao | 6371 | 63.75% | 5.85% | 35.40 |
| 15 | HAK | Haikou Meilan | 6090 | 63.67% | 7.48% | 38.03 |
| 16 | CTU | Chengdu Shuangliu | 13604 | 63.64% | 4.70% | 35.79 |
| 17 | SHA | Shanghai Hongqiao | 10907 | 62.03% | 6.21% | 39.02 |
| 18 | SHE | Shenyang Taoxian | 5314 | 61.43% | 8.10% | 41.41 |
| 19 | PEK | Beijing Capital | 24780 | 60.22% | 3.24% | 34.82 |
| 20 | SZX | Shenyang Taoxian | 13096 | 59.90% | 8.18% | 42.94 |
| 21 | CAN | Guangzhou Baiyun | 18659 | 59.90% | 4.94% | 38.30 |
| 22 | SYX | Sanya Phoenix | 4517 | 59.48% | 9.95% | 45.67 |
| 23 | FOC | Fuzhou Changle | 3962 | 57.33% | 6.18% | 40.48 |
| 24 | NKG | Nanjing Lukou | 8329 | 56.15% | 6.97% | 42.67 |
| 25 | PVG | Shanghai Pudong | 18736 | 55.89% | 6.12% | 43.33 |
| 26 | HGH | Hangzhou Xiaoshan | 10536 | 54.52% | 8.16% | 46.03 |
| 27 | NNG | Nanning Wuxu | 4523 | 48.25% | 12.02% | 54.24 |
| 28 | XMN | Xiamen Gaoqi | 6931 | 47.59% | 7.50% | 47.51 |

Source: VariFlight

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

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

In regard to the airports with a capacity of over 2 million passengers, the supreme three are Xishuangbanna Gasa (JHG), Xining Caojiapu (XNN) and Yinchuan Hedong (INC), respectively with on-time departure rates of 83.15 percent, 82.05 percent and 76.73 percent.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Ranking | IATA  Code | Airports | Flight  Departures | On-time Departure Performance | | Delay  Over 2h | Average Departure Delay (minutes) |
| 1 | JHG | Xishuangbanna | 1199 | 83.15% | 1.92% | | 16.69 |
| 2 | XNN | Xining Caojiapu | 2278 | 82.05% | 3.29% | | 19.96 |
| 3 | INC | Yinchuan Hedong | 3080 | 76.73% | 3.52% | | 25.42 |
| 4 | HET | Hohhot Baita | 4280 | 75.96% | 4.61% | | 28.96 |
| 5 | LJG | Lijiang Sanyi | 2423 | 73.90% | 5.16% | | 28.41 |
| 6 | KWL | Guilin Liangjiang | 2721 | 68.64% | 7.17% | | 33.98 |
| 7 | NAY | Beijing Nanyuan | 1830 | 67.78% | 3.61% | | 29.08 |
| 8 | TYN | Taiyuan Wusu | 4366 | 66.77% | 6.06% | | 35.75 |
| 9 | CGQ | Changchun Longjia | 3567 | 65.37% | 9.05% | | 38.25 |
| 10 | YNT | Yantai Penglai | 2864 | 62.32% | 6.62% | | 36.64 |
| 11 | LXA | Lhasa Kongga | 1504 | 61.48% | 14.44% | | 48.62 |
| 12 | KHN | Nanchang Changbei | 4427 | 59.51% | 5.88% | | 38.65 |
| 13 | NGB | Ningbo Lishe | 3006 | 58.77% | 6.37% | | 39.40 |
| 14 | SWA | Jieyang Chaoshan | 1604 | 58.66% | 8.69% | | 40.79 |
| 15 | HFE | Hefei Xinqiao | 3071 | 57.54% | 6.75% | | 40.45 |
| 16 | SJW | Shijiazhuang Zhengding | 3360 | 53.44% | 9.69% | | 48.14 |
| 17 | JJN | QUANZHOU JINJIANG | 1760 | 52.67% | 11.41% | | 49.71 |
| 18 | WNZ | Wenzhou Longwan | 2975 | 52.25% | 6.67% | | 42.68 |
| 19 | ZUH | Zhuhai Jinwan | 3143 | 48.20% | 10.35% | | 51.76 |
| 20 | WUX | Wuxi Shuofang | 2125 | 47.72% | 10.11% | | 51.33 |
| 21 | MIG | Mianyang Nanjiao | 1266 | 42.81% | 10.43% | | 53.52 |

Source: VariFlight

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

**Worst-affected airports under extreme weather conditions**

In September, Hangzhou Xiaoshan International Airport suffers the most from severe weathers, a record of 87 hours in total. Shijiazhuang Zhengding International Airport, Nanjing Lukou International Airport, Xi'an Xianyang International Airport and Chengdu Shuangliu International Airport are also being affected for 71 hours, 62 hours, 31 hours and 25 hours respectively.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| IATA  Code | Airports | Affected Time | General Flight On-time  Release Rate | On-time  Release Rate under severe weather | On-time  Release Rate without being affected |
| HGH | Hangzhou Xiaoshan | 87 | 54.52% | 37.38% | 59.13% |
| SJW | Shijiazhuang Zhengding | 71 | 53.44% | 32.99% | 58.14% |
| NKG | Nanjing Lukou | 62 | 56.15% | 43.25% | 58.54% |
| XIY | Xi'an Xianyang | 31 | 67.98% | 42.20% | 70.73% |
| CTU | Chengdu Shuangliu | 25 | 63.64% | 42.12% | 65.63% |

Source: VariFlight

Figure 7: China’s worst-affected airports for flight on-time release rate (September, 2017)

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September, 2017 *Airport On-time Departure Performance*

**Notes for editors**

**Period**: Sep 1- Sep 30, 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.