Enhancing Data Transparency and Operation Efficiency in China
About VariFlight
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Location
Headquarter: Hefei, Anhui
Office: Beijing & Shanghai & Nanjing

Staff 450+
Data

- Dynamic Flight Status Data
  - Air Traffic Control
  - Airlines
  - Airports and A-CDM System
  - ADS-B
  - Online Travel Agency & Global Distribution System

- Ground-based Surveillance
  - Covering 7 million km²
  - Tracking 12,000 domestic flights and 110,000 international flights per day

- Satellite-based ADS-B (on-going project)
Data Analysis & Decision Making
2 Products
Planning & Scheduling - Big Data Toolkit

Schedule Analysis
- Airport
- Airline
- En-route

Operation monitoring
- Real time monitoring
- On-time performance
Planning & Scheduling - Big Data Toolkit
Preflight Adjustments – Tactical Analysis
Preflight Adjustments – Tactical Analysis
Daily Operations - ACDM
Daily Operations - ACDM
Daily Operations - ACDM
Daily Operations - ACDM
Real Time Interactive Applications – ACDM App

- 运行正常
- 出港延误
- 不正常航班

航班动态

出港航班SC4860—已到达青岛机场
2016-09-11 10:31

出港航班SC4860已起飞，预计11日10:38到达
青岛机场
2016-09-11 07:13

出港航班SC4860已推迟
2016-09-11 07:00

出港航班SC4860已登机
2016-09-11 06:58

出港航班SC4860已滑行
2016-09-11 06:47

出港航班SC4860已起飞
2016-09-11 06:46

出港航班SC4860已到达
2016-09-11 06:42

机位信息情况

机位使用情况

当前位置：52.16

9/13

0/17

5/3

航班保障情况
Real Time Interactive Applications – VariFlight Pro
Expanding Applications
Data Analyzing Toolkits

- Cause of Delay
- Ground Handling Comparison
- Baggage Processing
- Ground Handling
- Bridge Utilization
- Runway Occupation
Data Analyzing Toolkits with Artificial Intelligence

Airdrome Operation

Ground Vehicle Dispatching

Stand Allocation

Apron Monitoring

RCAS

Staff Scheduling
3
Achievements
Achievements with airports (Kunming)

Without A-CDM

With A-CDM

ETA accuracy (+-5 minutes) increased from less than 65% to over 88%

Source: VariFlight
Achievements with airports (Shanghai Pudong)

Source: VariFlight
Achievements with airports
(Harmonizing Airports in Remote Areas, Yunnan Province)

- Serving more than 49.75% of flights from remote airports in Yunnan Province with a relative low cost
- Helping to maintain airport on-time performance (82.90%+ in 2017)
Achievements with Air Traffic Management Bureau
Achievements with Manufacturer
VariFlight® 飞常准