



1200.aero

Asset Tracking for General Aviation



About Us



Ivan Vasquez

Co-Founder

- Customer Delivery Architect, **Amazon Web Services**
- Manager, Advanced Analytics, **Fidelity Investments**
- Consultant, Data & Middleware, **Oracle Corporation**
- MBA, University of North Carolina, MS, Computer Science, University of Georgia



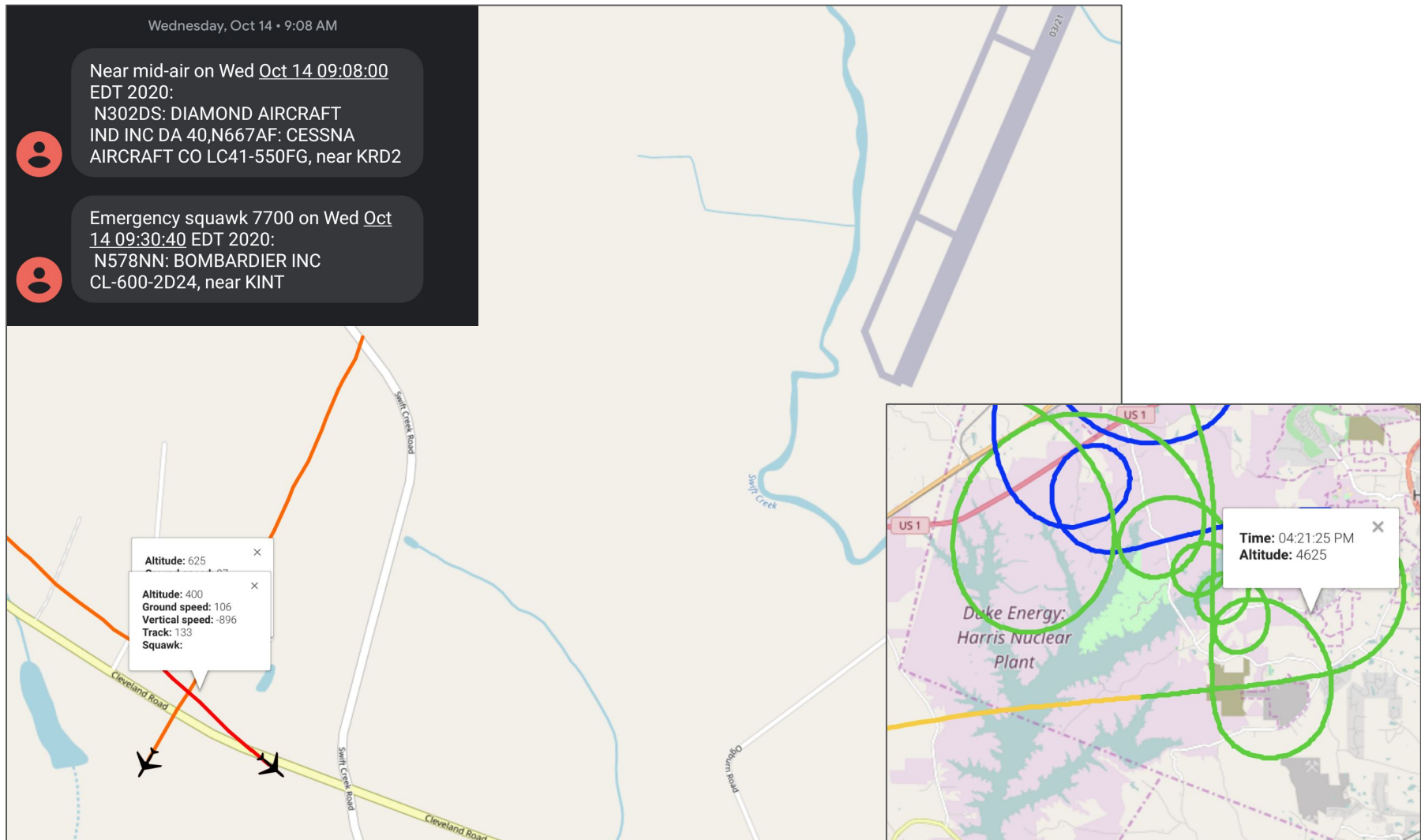
Oscar Bermeo

Co-Founder

- Manager, Customer Engineering, **Cisco Systems**
- Support Engineering Lead, **Scientific Atlanta**
- System & Network Admin, **University of Georgia**
- BS, Information Systems, Universidad ICESI, Colombia

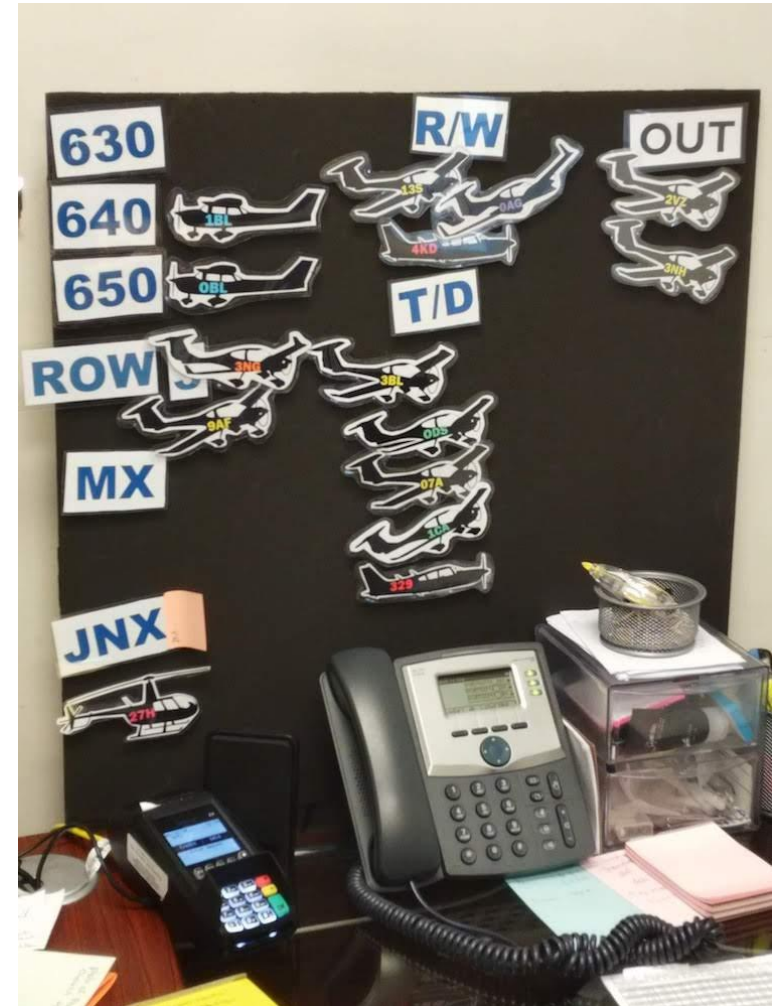
History

Started in **2016** with the goal of **understanding the airspace around regional airports** and identify **near mid-air collisions, in-flight emergencies** and potential **control loss** events.



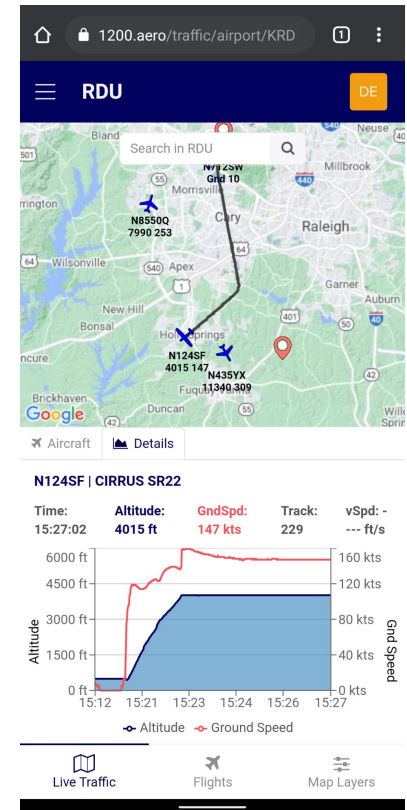
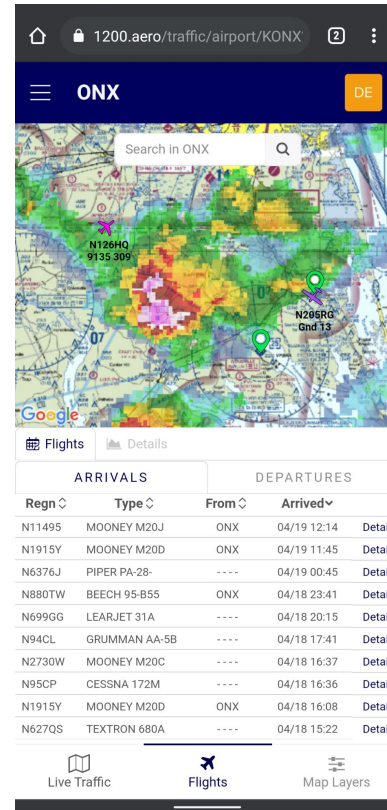
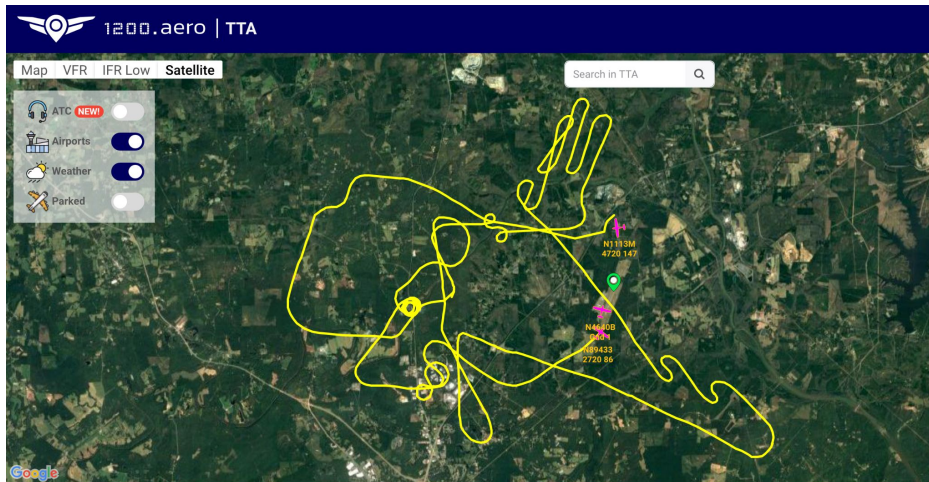
History

- **2019:**
 - Map live airplane locations for flight schools.
 - Expanded airport coverage, airport utilization reports.
- **2020:**
 - Continued positive feedback
 - Complete redesign for scale
- **2021:**
 - 60 airports, 11 flight schools, 150+ fleet aircraft, 3 state DOTs and counting...



Live Map & Statistics

- Live traffic, VFR & IFR
- **Scheduled arrivals and departures**
- Ground activity and parked aircraft
- **Live CTAF/tower audio**
- Dual ADS-B coverage (1090 and 978/UAT)
- **Takeoffs and landings by runway**
- Live airport statistics
- Terrain, sectional, IFR and NEXRAD layers
- Desktop and mobile (no app required)



ARRIVALS

Regn	Type	From	Arrive	Status
N4265S	BEECH B-55	KEYQ	03/10 12:41	Scheduled
N4265S	----	KEYQ	03/10 12:41	Enroute
N5826Q	MOONEY M20C	KHWO	03/10 12:09	Taxiing
N73319	CESSNA 172M	----	03/10 12:08	Ldg Rwy 19
N66174	CESSNA 172P	KHWO	03/10 12:08	Arrived
N62890	CESSNA 172P	KHWO	03/10 12:08	Ldg Rwy 19
N908WA	CESSNA 152	KHWO	03/10 12:07	Taxiing

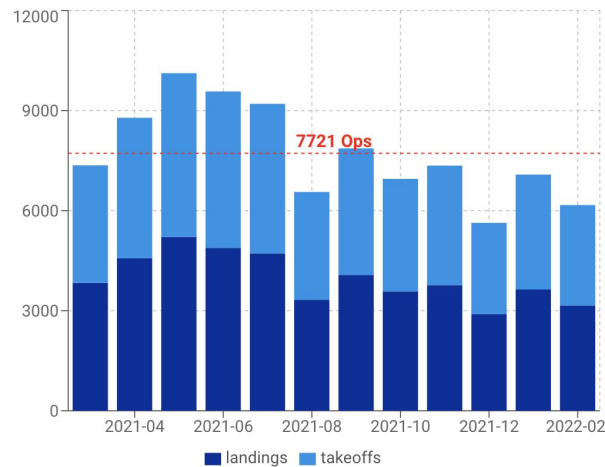
Airport Utilization Reports

Operations by aircraft category, runway, local vs. itinerant, training, parked aircraft and weather. Summarized by month, year, or custom date ranges. Downloadable as ready-to-share PDF reports.

OPERATIONS BY CATEGORY

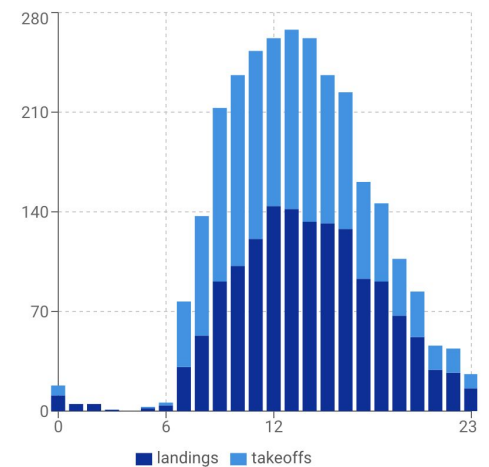
Category	Landings	Landing Aircraft	Takeoffs	Takeoff Aircraft
A-II	30	25	26	22
B-I	65	59	52	49
B-II	28	28	25	25
B-III	1	1	1	1
C-I	12	12	14	14
C-II	21	21	18	18
D-I	2	2	0	0
D-II	4	4	2	2

LANDINGS AND TAKEOFFS BY MONTH



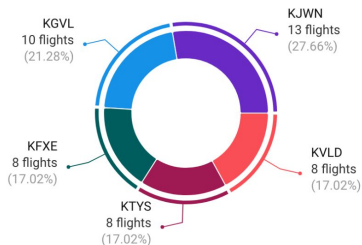
OPERATIONS BY HOUR

Sunday

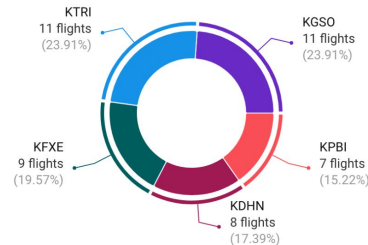


TOP AIRPORTS

Top Origin Airports

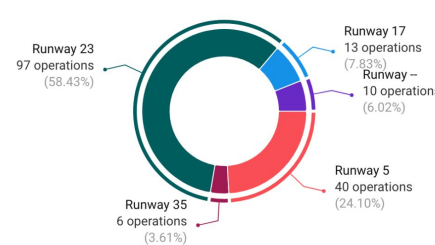


Top Destination Airports

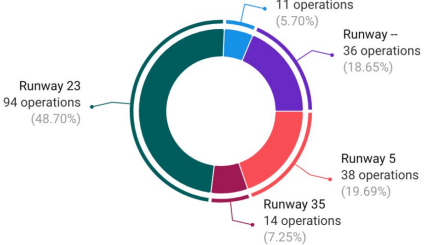


OPERATIONS BY RUNWAY

Landings



Takeoffs



Airport Utilization Reports



Operations Report for KLZU - Gwinnett County

Report: Standard Report by month 2022-03 Run Download report

TOTAL OPERATIONS

6,357

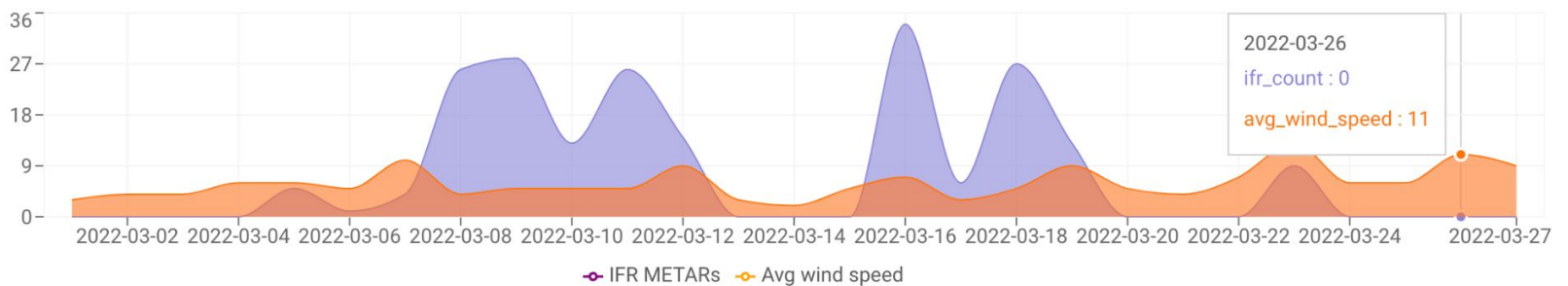
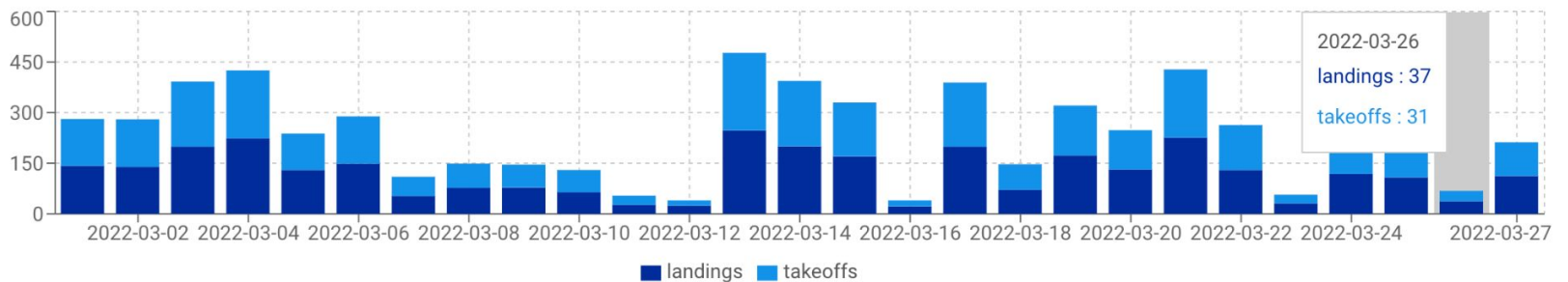
TOTAL LANDINGS

3,279

TOTAL TAKEOFFS

3,078

OPERATIONS BY DAY

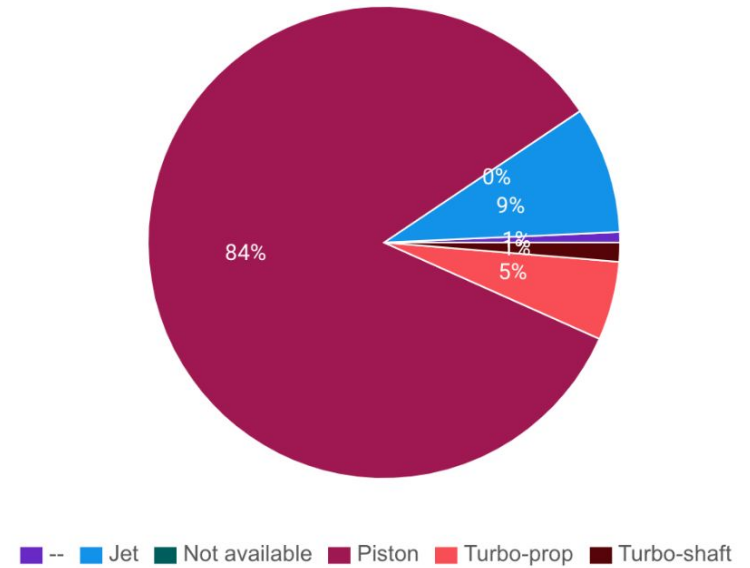


Airport Utilization Reports

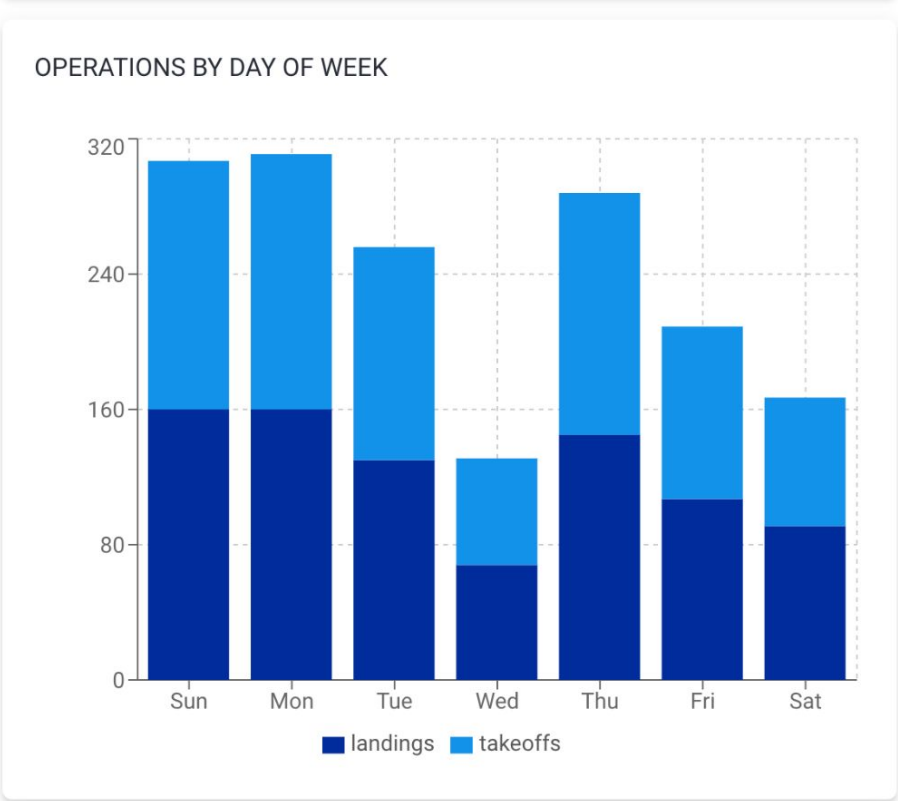
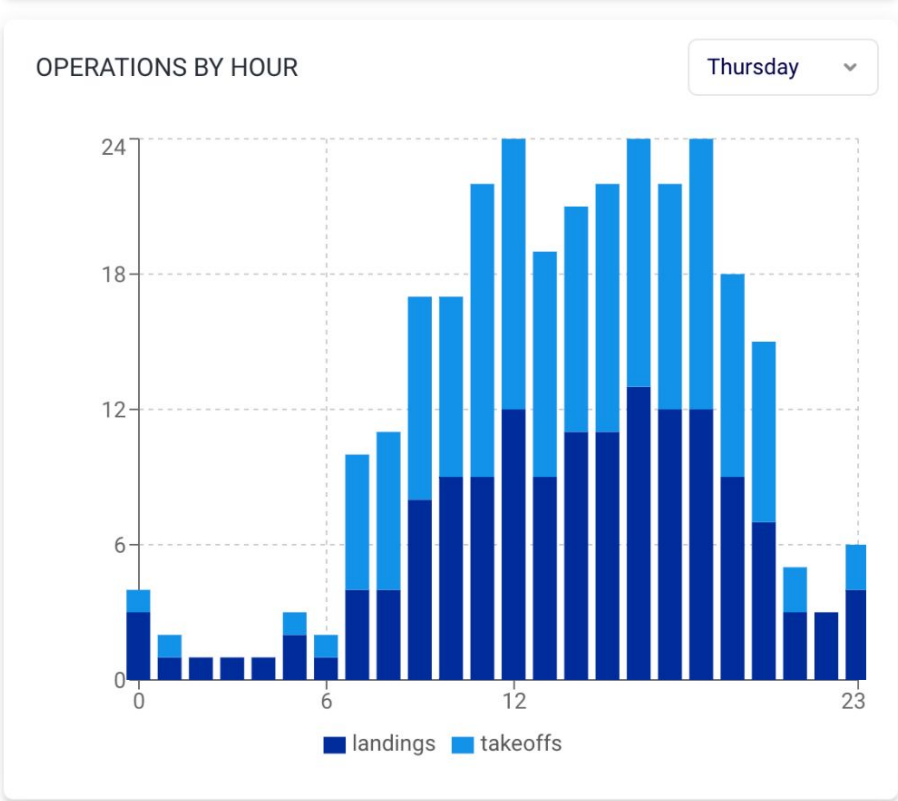
OPERATIONS BY CATEGORY

Category	Landings	Landing Aircraft	Takeoffs	Takeoff Aircraft
--	260	160	248	154
A-I	2490	954	2350	912
A-II	103	85	95	81
B-I	191	175	167	156
B-II	114	113	103	103
B-III	8	8	6	6
C-I	34	33	28	27
C-II	57	55	49	47

OPERATIONS BY ENGINE TYPE



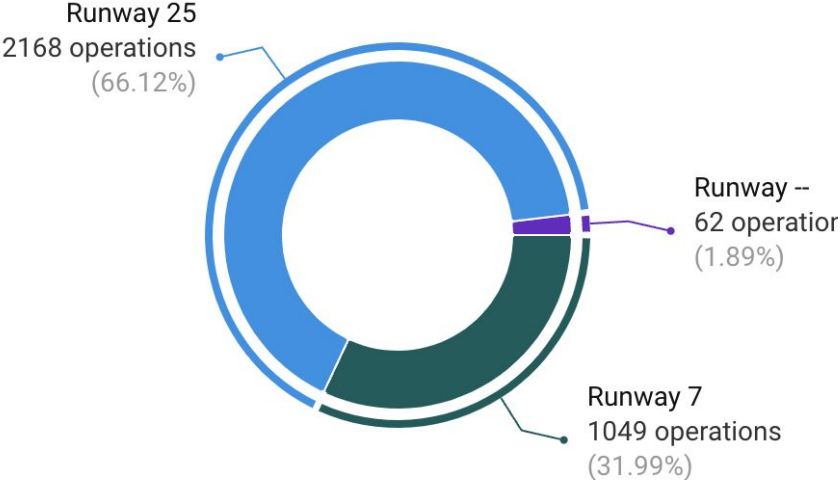
Airport Utilization Reports



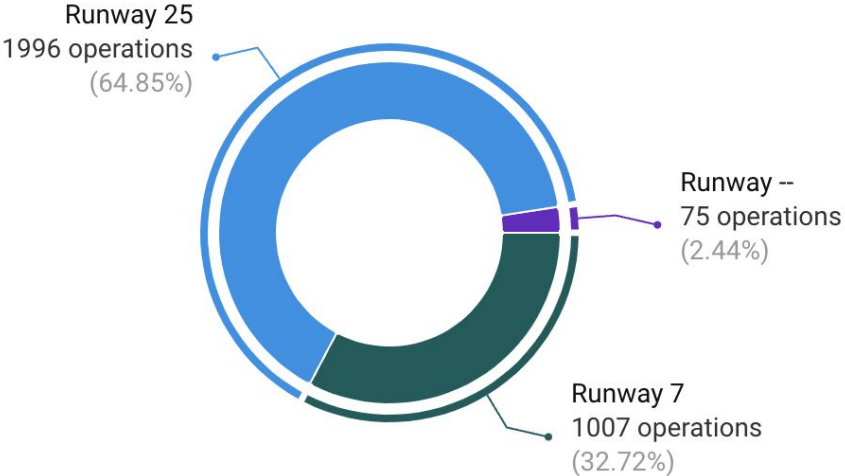
Airport Utilization Reports



Landings

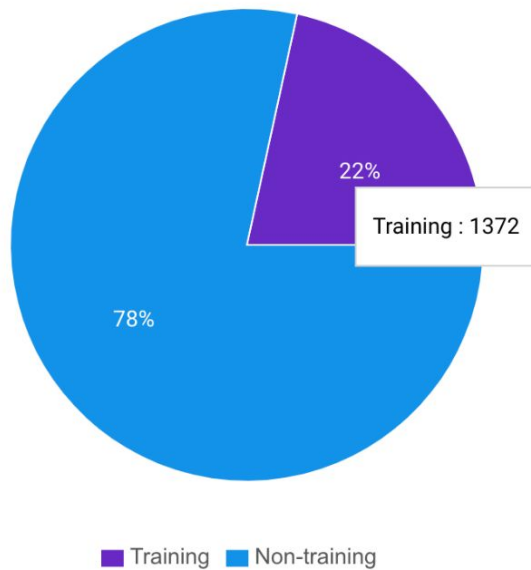


Takeoffs

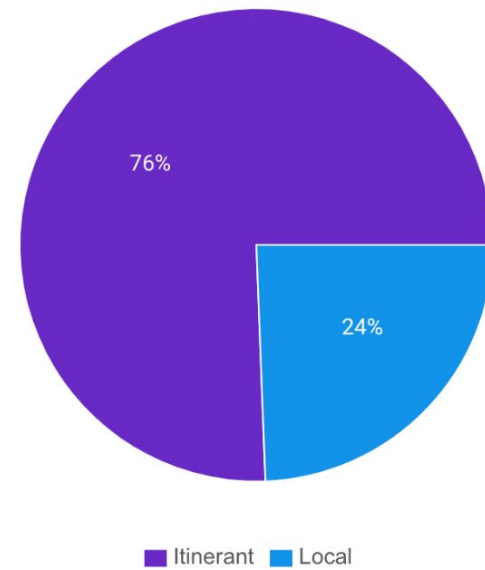


Airport Utilization Reports

TRAINING OPERATIONS

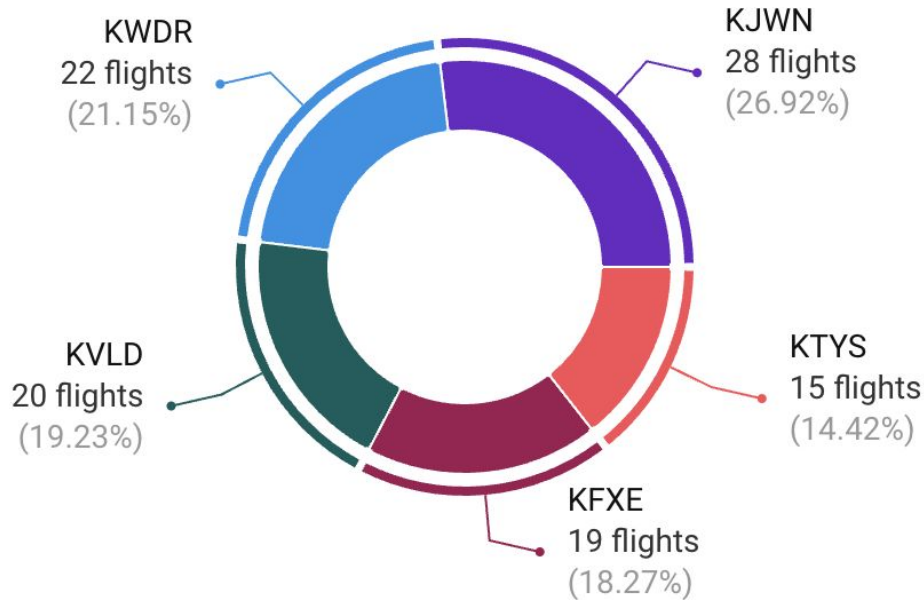


LOCAL VS. ITINERANT FLIGHTS

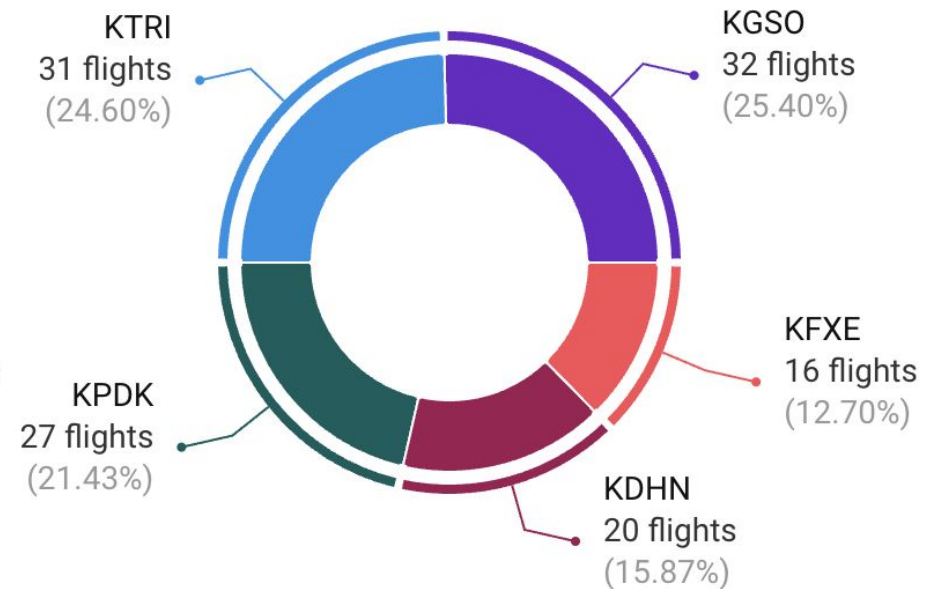


Airport Utilization Reports

Top Origin Airports

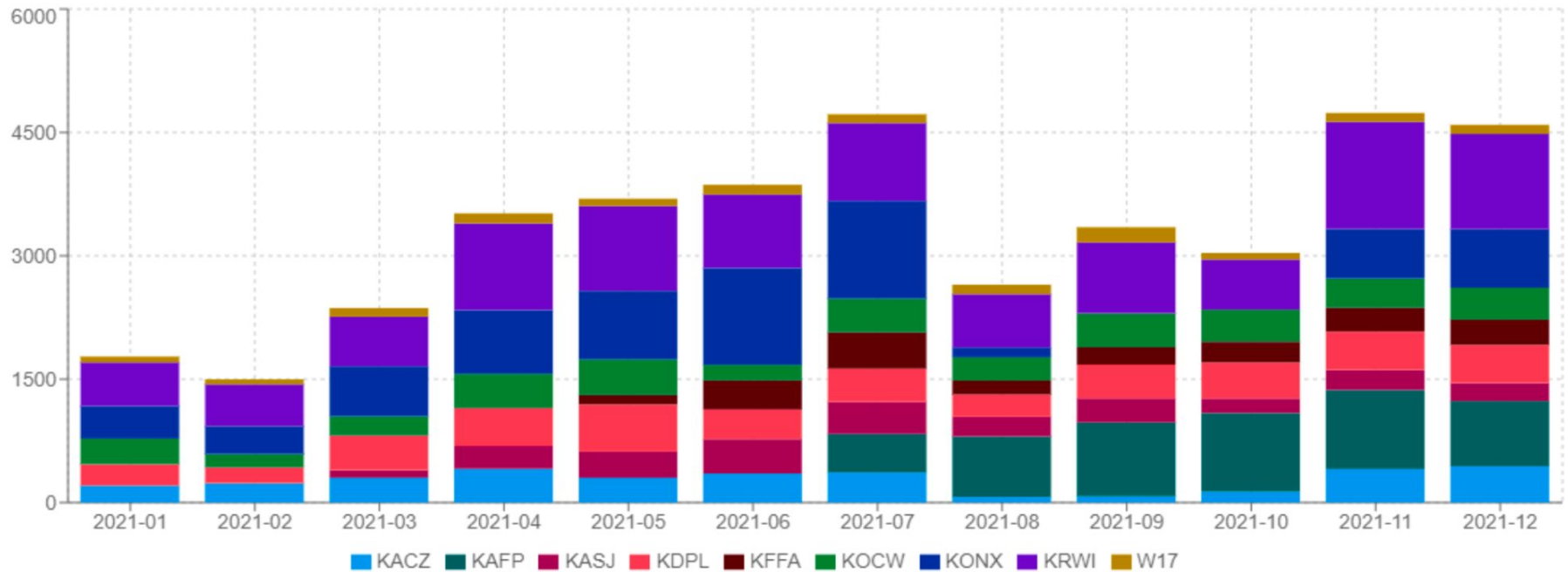


Top Destination Airports



Statewide Statistics – NC

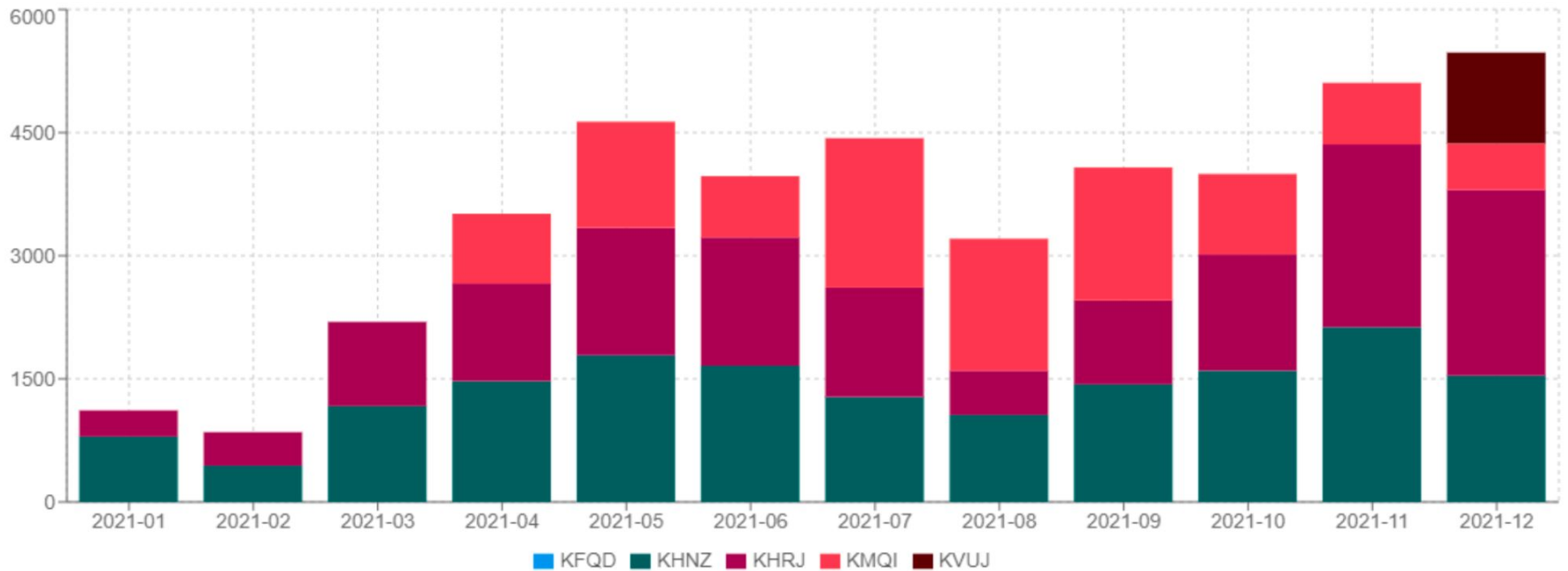
Up to 1000 ops/month



Statewide Statistics – NC

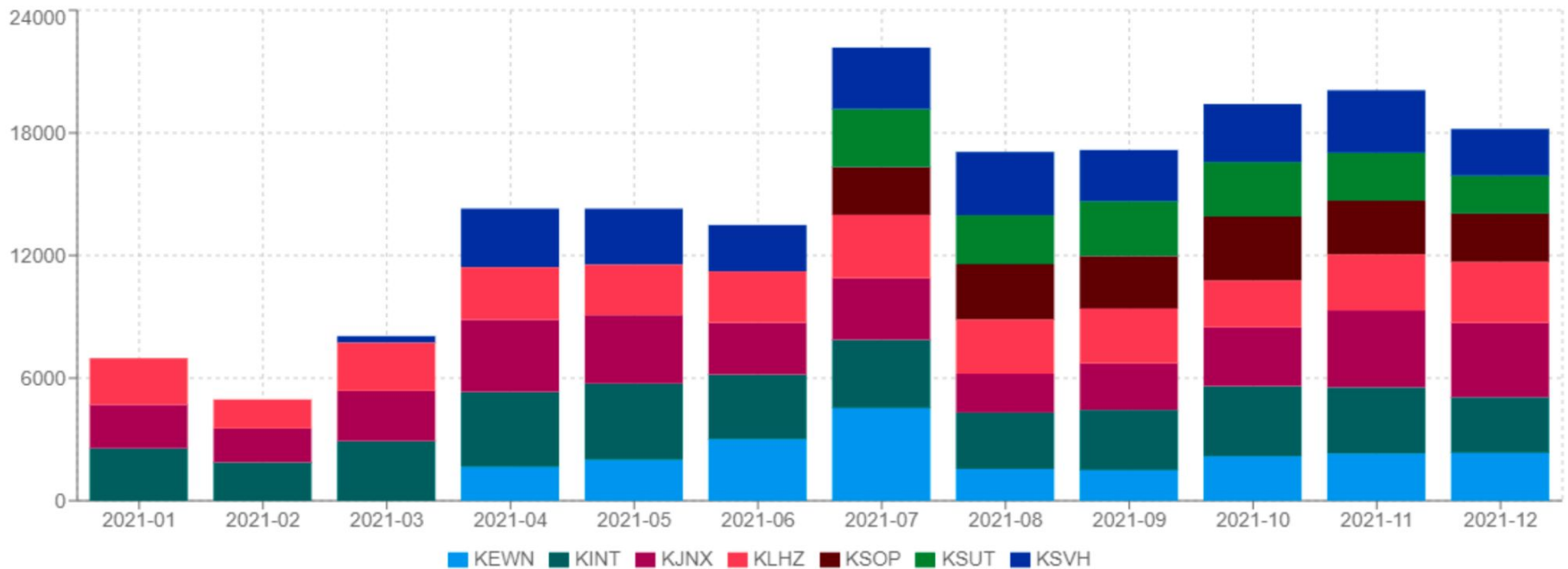


1000-2000 ops/month



Statewide Statistics – NC

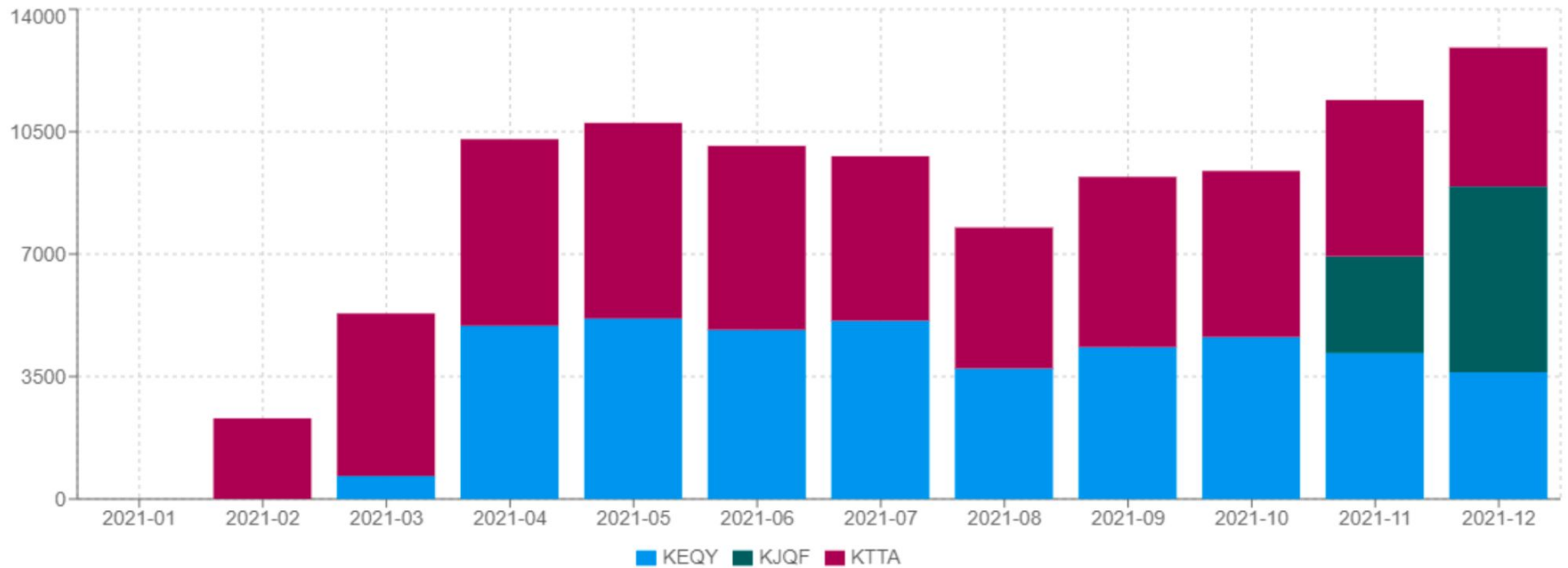
2000-4000 ops/month



Statewide Statistics – NC



4000-6000 ops/month

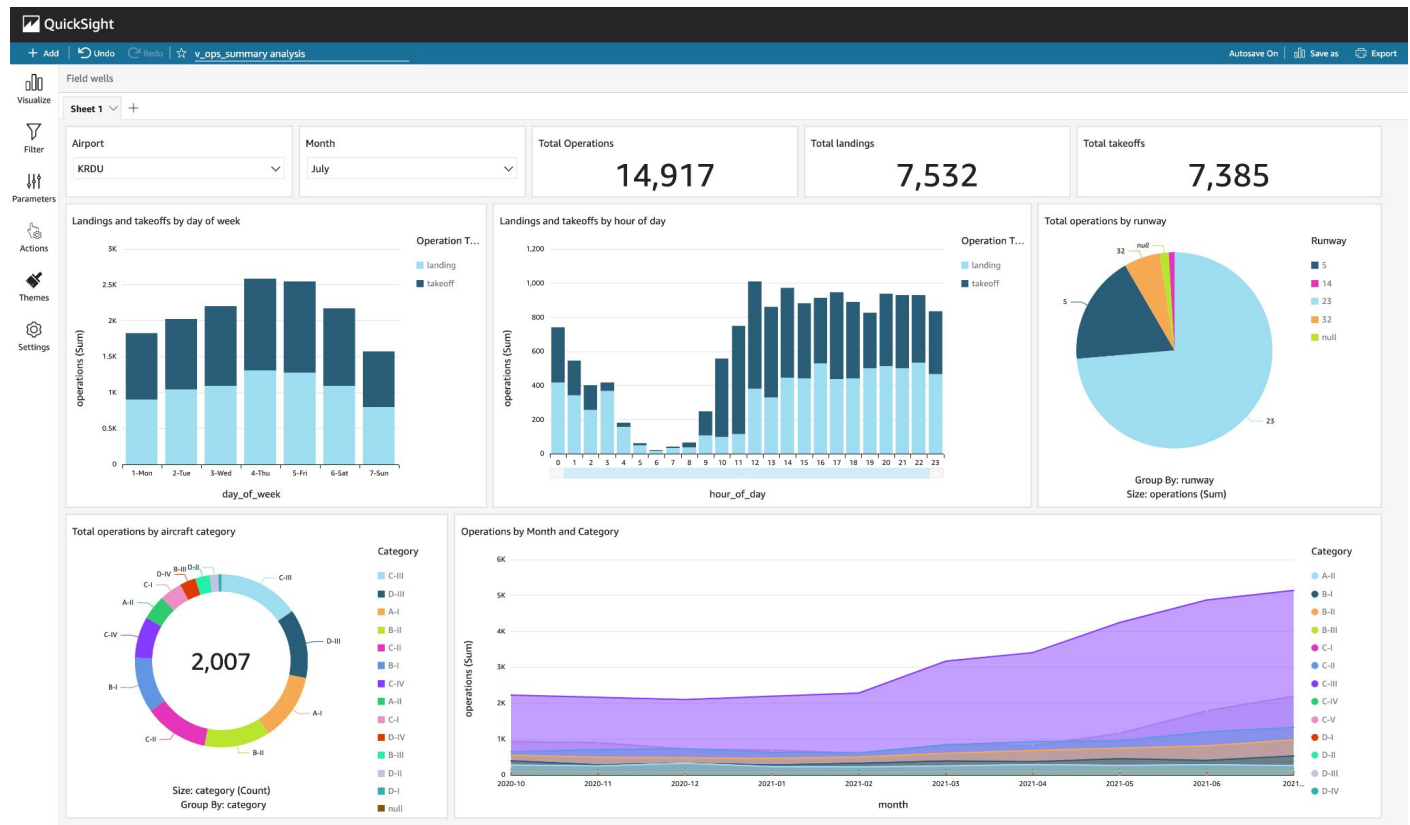


Analytics for General Aviation

Name

- activityDates/
- aircraft/
- aircraftByIcao/
- aircraftCategories/
- airports/
- airportStats/
- airportTraffic/
- approaches/
- covid/
- events/
- flights/
- landings/
- messages/
- metars/
- nmacs/
- parkedAircraft/
- signature/
- stations/
- stationStats/
- takeoffs/

1200.aero can seamlessly integrate with your cloud-based **analytics environment** to push updates, either in near-real time or periodically, so that your staff can **focus on creating insights** rather than data acquisition.



Ground Activity: Airport Tenants



FBO - Current Arrivals & Departures

Departures SPARK JOB FINISHED

departure_time	tail	type	departed_to	ramp
10/29 10:42:18	N803AG	GULFSTR GIV-X	KBCT	Front door
10/29 10:39:58	N239ND	PIPER PA-28-		Flight school 2
10/29 10:21:39	N2503V	PIPER PA-38-		Flight school 1
10/29 10:05:18	N275ND	PIPER PA-28-		Flight school 2
10/29 10:00:38	N18B	GULFSTR GVII-G	KBGR	Tanks
10/29 09:54:39	N616KG / EJM616	GULFSTR GVI (G	KLGA	Fence
10/29 09:51:18	N660QS / EJA660	CESSNA 560XL	KBCT	Box
10/29 09:46:39	N12545	CESSNA 172M		Flight school 1
10/29 09:32:54	N334JE	BOMBARD BD-100	CYUL	FH13
10/29 09:29:57	N461MC / CYO461		KBKL	Side door
10/29 09:28:39	N276ND	PIPER PA-28-		Flight school 2
10/29 09:22:38	N27WF	CIRRUS SR20		Flight school 1
10/29 09:15:38	N599QS / EJA599	CESSNA 560XL	KTTN	Side door
10/29 09:10:18	N587QS / EJA587	CESSNA 560XL	KHPN	Side door
10/29 09:03:58	N51GB		KSBA	Side door
10/29 08:54:35	N52JT	BOMBARD BD-100	KBWI	FH13
10/29 08:45:59	N242QS / EJA242	BOMBARD CL-600	KAPF	Front door
10/29 08:36:38	N2503V	PIPER PA-38-		Flight school 1
10/29 07:28:34	N926SS / TWY926	BOMBARD CL-600	KPBI	Front door

Notifications



Email:

1200.aero Daily operations summary for TTA Inbox x

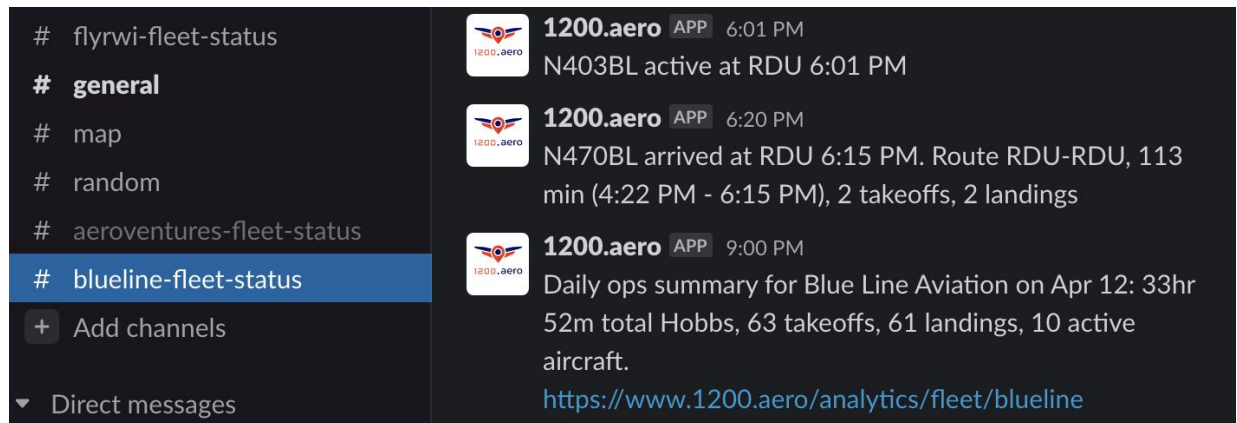
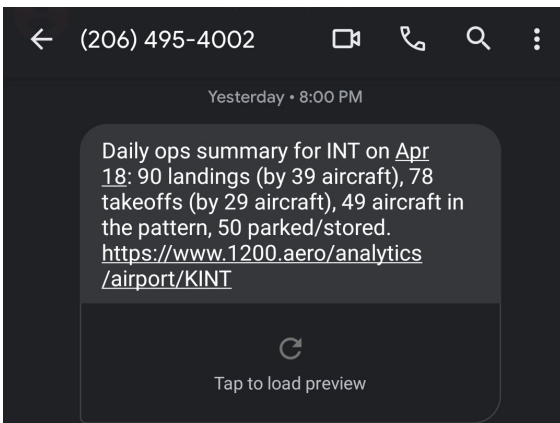
AWS Notifications

to ivan ▾

Daily ops summary for TTA on Apr 19: 59 landings (by 20 aircraft), 65 takeoffs (by 24 aircraft), 31 aircraft in the pattern, 85 parked/stored.

<https://www.1200.aero/analytics/airport/KTTA>

SMS:



CTAF/Tower Audio Recordings



ATC Recordings for KHWO - North Perry

2022-03-28

15

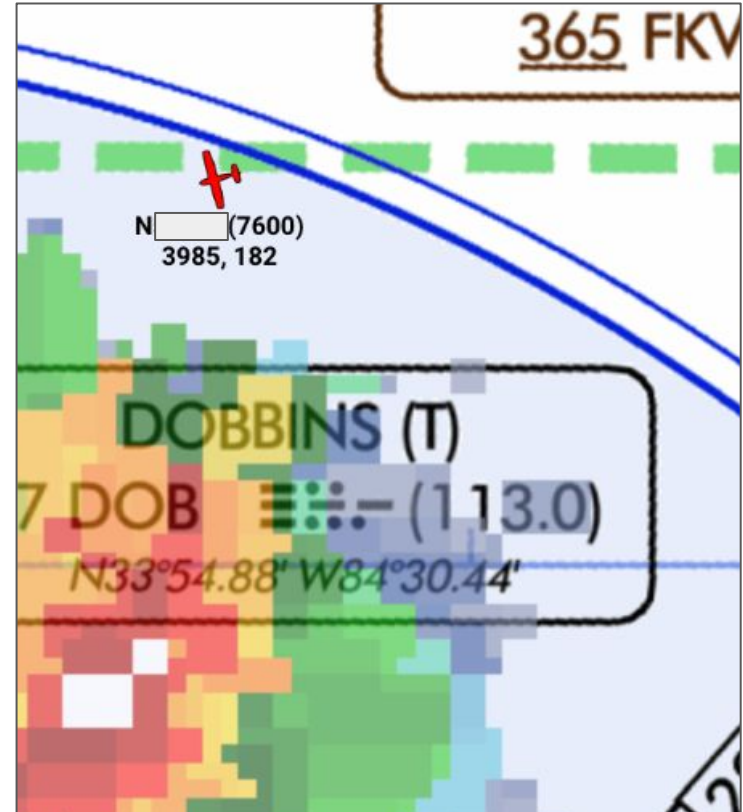
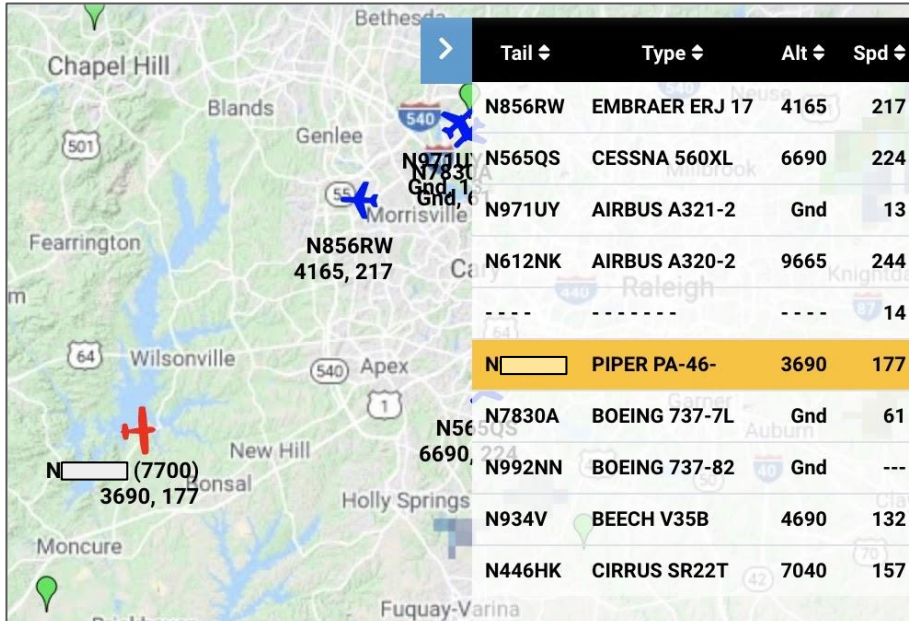
Search Audio



Aviation Safety: Off-airport Landings



Aviation Safety: In-flight Emergencies



Goal: Reduce the time of search & rescue operations through timely event notifications.

Receiver Network

- Remotely managed IoT device
- 1090 + UAT + airband reception
- Low bandwidth requirements
- No firewall ports to open
- Offline-capable
- Single-antenna installation



```
[RECEIVER] krbw Down 16.8 minutes ago - Receiver krbw last update was 16.8 minutes ago
[RECEIVER] krbw recovered. Outage 1.33 hours - Receiver krbw recovered. The receiver was offline for 1.33 hours
[RECEIVER] krbw Down 16.78 minutes ago - Receiver krbw last update was 16.78 minutes ago
[RECEIVER] keqy recovered. Outage 0.67 hours - Receiver keqy recovered. The receiver was offline for 0.67 hours
[RECEIVER] keqy Down 16.78 minutes ago - Receiver keqy last update was 16.78 minutes ago
```

Data Protection & Data Privacy

- **No public access.** Access limited to participating airports and flight schools/clubs.
- Access to your airport's data as reports or data downloads
- Role-based access:
 - **Airport/Fleet manager** (full access)
 - **Airport/Fleet staff** (live data and flight history only)

Airport Subscription Pricing



Average monthly operations*	Monthly subscription price
0-1,000	\$95
1,000-2,000	\$150
2,000-4,000	\$200
4,000-6,000	\$300
6,000 and up	\$450

Includes:

- All 1200.aero features
- Receiver maintenance
- Customer support

* Average monthly takeoffs and landings measured during the first 3 months of service

Airports & Testimonials



“Your system allowed us to justify funding for our fuel farm expansion” – KRWI

“Our line staff spends all summer in a lawnmower, so it’s impossible keep track of all traffic” – KOCW

“1200.aero is a great addition to the data collected by our control tower, which is staffed part-time and only maintains counts” – KINT

“We were able to track down a large unpaid fuel bill by searching flight history” – KJNX

“Reporting activity by time of day allowed us to determine whether we needed staff after hours” – KSVH

