



U.S. Department of Transportation  
Federal Aviation Administration  
ADS-B Aircraft Performance Monitor

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**Public ADS-B Performance Report**

**Broadcast ICAO:** A22DBA (50426672)

**Tail Number:** N24AV

**ADS-B ID:** N24AV

**Period:** 03/23/2025 18:02:54 - 03/23/2025 18:31:54

**Flight Plan ID:**

**Operation Analysis Overview**

Analysis

Airborne 1090



Airborne UAT



Surface 1090



Surface UAT



**Prepared By**

**Surveillance and Broadcast Services (SBS) Program**

**ADS-B Performance Monitor**

**March 27, 2025**

Note: Items highlighted in red within this report indicate the ADS-B Out system installed on this aircraft failed to meet the corresponding performance requirement as specified in § 91.227.

[For more information on this report, reference the User's Guide.](#)

## Operation Summary

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**Operation ID:** 582709828      **Start Time:** 03/23/2025 18:02:54      **End Time:** 03/23/2025 18:31:54

**Broadcast ICAO:** A22DBA (50426672)      **Duration:** 00:29:00      **Reports:** 3769

**Tail Number:** N24AV      **Dur Modified:** 00:23:49      **Best Msg:** 1378

**Dur in Rule:** 00:00:00

**Stationary:** No      **TIS-B Client:** 0.0%      **Baro Alt (ft):** 375 - 3525

**Country:** United States - Civil

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**Detection:**  Airborne     Surface

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**Link Version:** 2      **Out Capability:** 1090

**Flight ID:** N24AV      **In Capability:** DUAL

**Operator (3LD):**      **Length Width Code:**

## Airborne 1090 Analysis Summary

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Start Time: 03/23/2025 18:02:54

Duration: 0:29:00

Total Reports: 3769

End Time: 03/23/2025 18:31:54

Dur Modified: 0:23:49

Processed Reports: 1355

Dur in Rule: 0:00:00

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Reported ICAO Address: A22DBA (50426672)

Tail Number: N24AV

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Link Version: 2

Out Capability: 1090

In Capability: DUAL

Flight ID: N24AV

Vert Velocity Baro

Antenna(s): Single

Vert Velocity Geo

SILsupp: 0

Emitter Category: 1 - Light

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### Exceptions:

| NIC | NACp | NACv | SIL | SDA |
|-----|------|------|-----|-----|
| No  | No   | No   | No  | No  |

### Missing Elements

| Category | NACp    | NACv    | Vel     | Flight Id | Mode 3A | Emit Cat | BAlt    | Galt    |
|----------|---------|---------|---------|-----------|---------|----------|---------|---------|
| % Fail   | 0.30%   | 0.07%   | 0.30%   | 0.00%     | 0.00%   | 0.00%    | 0.00%   | 0.30%   |
| Max dT   | 0:00:01 | 0:00:01 | 0:00:01 | 0:00:00   | 0:00:00 | 0:00:00  | 0:00:00 | 0:00:01 |
| MCF      | 1       | 1       | 1       | 0         | 0       | 0        | 0       | 1       |

### Integrity & Accuracy

| Category | NIC     | NACp    | NACv    | SIL     | SDA     |
|----------|---------|---------|---------|---------|---------|
| % Fail   | 1.33%   | 0.00%   | 0.00%   | 0.30%   | 0.30%   |
| Max dT   | 0:00:02 | 0:00:00 | 0:00:00 | 0:00:01 | 0:00:01 |
| MCF      | 3       | 0       | 0       | 1       | 1       |

| Category | NIC | NACp | NACv | SIL | SDA |
|----------|-----|------|------|-----|-----|
| Avg      | 9.5 | 9.7  | 2.0  | 3.0 | 2.0 |
| Min      | 0   | 9    | 2    | 0   | 0   |
| Max      | 10  | 10   | 2    | 3   | 2   |

### Kinematics

| Category | Velocity | Position Δ | Baro Alt | Baro Alt Δ | Geo Alt | Geo Alt Δ |
|----------|----------|------------|----------|------------|---------|-----------|
| % Fail   | 0%       | 0%         | 0%       | 0%         | 0%      | 0%        |
| MCF      | 0        | 0          | 0        | 0          | 0       | 0         |

### Other Checks

| Category | Emitter Cat | Mode 3A |
|----------|-------------|---------|
| % Fail   | 0.00%       | 0.00%   |
| Max dT   | 0:00:00     | 0:00:00 |
| MCF      | 0           | 0       |

| Category | Flight ID | Tail # Mismatch | Non-US  | No "N"  | Only "N" | Partial | Spaces  | All Spaces | Illegal Char | Unavail Char | FP ID Mismatch |
|----------|-----------|-----------------|---------|---------|----------|---------|---------|------------|--------------|--------------|----------------|
| % Fail   | 0.00%     | 0.00%           | 0.00%   | 0.00%   | 0.00%    | 0.00%   | 0.00%   | 0.00%      | 0.00%        | 0.00%        | 0.00%          |
| Max dT   | 0:00:00   | 0:00:00         | 0:00:00 | 0:00:00 | 0:00:00  | 0:00:00 | 0:00:00 | 0:00:00    | 0:00:00      | 0:00:00      |                |
| MCF      | 0         | 0               | 0       | 0       | 0        | 0       | 0       | 0          | 0            | 0            |                |

| Category | Air on Ground |
|----------|---------------|
| % Fail   | 0.00%         |
| Max dT   | 0:00:00       |
| MCF      | 0             |

**Note:** The above FP ID Mismatch field can be disregarded when no flight plan was filed for the associated flight.