



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

Public ADS-B Performance Report

Broadcast ICAO: A3BB09 (50735411)

Tail Number: N34AV

ADS-B ID: N34AV

Period: 09/19/2023 20:49:29 - 09/19/2023 21:02:19

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

September 19, 2023

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

Operation ID: 527956156 **Start Time:** 09/19/2023 20:49:29 **End Time:** 09/19/2023 21:02:19

Broadcast ICAO: A3BB09 (50735411) **Duration:** 00:12:50 **Reports:** 1825
Tail Number: N34AV **Dur Modified:** 00:12:50 **Best Msg:** 770
Dur in Rule: 00:00:00

Stationary: No **TIS-B Client:** 52.3 % **Baro Alt (ft):** 500 - 3000

Country: United States - Civil

Detection: Airborne Surface

Link Version: 2 **Out Capability:** 1090
Flight ID: N34AV **In Capability:** DUAL
Operator (3LD): **Length Width Code:**

Airborne 1090 Analysis Summary

Start Time: 09/19/2023 20:49:29
End Time: 09/19/2023 21:02:19

Duration: 0:12:50
Dur Modified: 0:12:50
Dur in Rule: 0:00:00

Total Reports: 1825
Processed Reports: 741

Reported ICAO Address: A3BB09 (50735411)

Tail Number: N34AV

Link Version: 2

Out Capability: 1090

In Capability: DUAL

Flight ID: N34AV

Vert Velocity Baro
 Vert Velocity Geo

Antenna(s): Single
SILsupp: 0

Emitter Category: 1 - Light

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	0.27%	0.13%	0.27%	0.13%	0.00%	0.13%	0.00%	0.27%
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
MCF	1	1	1	1	0	1	0	1

Integrity & Accuracy

Category	NIC	NACp	NACv	SIL	SDA
% Fail	0.27%	0.00%	0.00%	0.27%	0.40%
Max dT	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00
MCF	1	0	0	1	1

Category	NIC	NACp	NACv	SIL	SDA
Avg	9.0	10.0	2.0	3.0	2.0
Min	0	10	2	0	0
Max	9	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.