



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

Public ADS-B Performance Report

Broadcast ICAO: ADD7DD (53353735)

Tail Number: N991RM

ADS-B ID: N991RM

Period: 07/08/2022 21:29:06 - 07/08/2022 22:15:15

Flight Plan ID: N991RM

Operation Analysis Overview

Analysis

Airborne 1090



Airborne UAT



Surface 1090



Surface UAT



Prepared By

Surveillance and Broadcast Services (SBS) Program

ADS-B Performance Monitor

July 09, 2022

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: 488887948 **Start Time:** 07/08/2022 21:29:06 **End Time:** 07/08/2022 22:15:15

Broadcast ICAO: ADD7DD (53353735) **Duration:** 00:46:08 **Reports:** 14354
Tail Number: N991RM **Dur Modified:** 00:46:07 **Best Msg:** 3648
Dur in Rule: 00:16:58

Stationary: No **TIS-B Client:** 97.6 % **Baro Alt (ft):** 0 - 3000

Country: United States - Civil

Detection: ☒ Airborne ☐ Surface

Link Version: 2 **Out Capability:** 1090
Flight ID: N991RM **In Capability:** DUAL
Operator (3LD): **Length Width Code:**

Airborne 1090 Analysis Summary

Start Time: 07/08/2022 21:29:06

Duration: 0:46:08

Total Reports: 14354

End Time: 07/08/2022 22:15:15

Dur Modified: 0:46:07

Processed Reports: 3604

Dur in Rule: 0:16:58

Reported ICAO Address: ADD7DD (53353735)

Tailnumber: N991RM

Link Version: 2

Out Capability: 1090

In Capability: DUAL

Flight ID: N991RM

☒ **Vert Velocity Baro**

Antenna(s): Single

☐ **Vert Velocity Geo**

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	0.00%	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
MCF	0	0	0	0	0	0	0	0

Integrity & Accuracy

Category	NIC	NACp	NACv	SIL	SDA
% Fail	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
MCF	0	0	0	0	0

Category	NIC	NACp	NACv	SIL	SDA
Avg	9.0	10.0	2.0	3.0	2.0
Min	9	10	2	3	2
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.