



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

Public ADS-B Performance Report

ICAO: ABAD87 (52726607)

Tail Number: N85107

Last Flight Id: N85107

Period: 02-14-2019 21:02:12 to 02-14-2019 21:32:17

Operation Analysis Overview

	Analysis
Airborne 1090	<input type="checkbox"/>
Surface 1090	<input type="checkbox"/>
Surface RWY/Taxi 1090	<input type="checkbox"/>
Airborne UAT	<input checked="" type="checkbox"/>
Surface UAT	<input type="checkbox"/>
Surface RWY/Taxi UAT	<input type="checkbox"/>

Prepared By

Surveillance and Broadcast Services (SBS) Program
ADS-B Performance Monitor

February 14, 2019

Note: Items high-lighted 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: 70071839 **Start Time:** 02-14-2019 21:02:12
ICAO Reported: ABAD87 (52726607) **End Time:** 02-14-2019 21:32:17
ICAO Assigned: ABAD87 (52726607) **Duration:** 00:30:05 **Mod:** 00:30:05 **Rule:** 00:00:00
Tail Number: N85107 **Reports:** 1798 **Best Msg:** 1764 **TIS-B Client:** 0.0%
Country: United States - Civil **Stationary:** No **Baro Alt (ft):** 300 - 2400

Detection: **Airborne** **Surface**

Link Version: 2 **Out Capability:** UAT **In Capability:** DUAL
Last Flight Id: N85107
Operator:

Airborne UAT Analysis Summary

Start Time: 02-14-2019 21:02:12

End Time: 02-14-2019 21:32:17

Total Reports: 1798

Duration(s): 00:30:05

Mod: 00:30:05

Rule: 00:00:00

Processed Reports: 1764

Link Version: 2

Out Capability: UAT

In Capability: DUAL

Emitter Category: 1 - Light (<15,500lbs)

Antenna(s): 1 - Single

Last Flight Id: N85107

Exceptions:

NIC	NACp	NACv	SIL	SDA
No	No	No	No	No

Missing Elements

Category	NACp	NACv	Vel	Flight Id	Mode 3A	Emit Cat	Baro Alt	Geo Alt
% Fail	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Max dT	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00
MCF	0	0	0	0	0	0	0	0

Integrity & Accuracy

Category	NIC	NACp	NACv	SIL	SDA
% Fail	0.23%	0.00%	0.00%	0.00%	0.00%
Max dT	00:00:04	00:00:00	00:00:00	00:00:00	00:00:00
MCF	4	0	0	0	0

Category	NIC	NACp	NACv	SIL	SDA
Avg	7.8	9.0	1.0	3.0	2.0
Min	6	8	1	3	2
Max	8	9	1	3	2

Kinematics

	Velocity	Position Δ
% Fail	0.00%	0.00%
MCF	0	0

Baro Alt	Baro Alt Δ	Geo Alt	Geo Alt Δ
0.00%	0.00%	0.00%	0.00%
0	0	0	0

Other Checks

	Emitter Cat	Mode 3A
% Fail	0.00%	100.00%
Max dT	00:00:00	00:29:35
MCF	0	1764

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

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

Notes: MCF - Maximum Consecutive Failures

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