



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

Public ADS-B Performance Report

ICAO: A107CD (50203715) Tail Number: N16583 Last Flight Id: N16583
Period: 03-22-2017 15:57:44 to 03-22-2017 16:58:31

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

March 22, 2017

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:	35733288	Start Time:	03-22-2017 15:57:44				
ICAO Reported:	A107CD (50203715)	End Time:	03-22-2017 16:58:31				
ICAO Assigned:	A107CD (50203715)	Duration:	01:00:47	Mod:	01:00:47	Rule:	01:00:47
Tail Number:	N16583	Total Reports:	16347	Best Msg:	3634		
Country:	United States - Civil	Stationary:	No	TIS-B Client %:	94.9%		

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

Link Version:	2	Out Capability:	UAT	In Capability:	UAT
Last Flight Id:	N16583				
Operator:					

Airborne UAT Analysis Summary

Start Time: 03-22-2017 15:57:44

End Time: 03-22-2017 16:58:31

Total Reports: 16347

Duration(s): 01:00:47

Mod: 01:00:47

Rule: 01:00:47

Processed Reports: 3605

Link Version: 2

Out Capability: UAT

In Capability: UAT

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

Antenna(s): 1 - Single

Last Flight Id: N16583

Last Mode 3A: 1200

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	0.00%	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
MCF	0	0	0	0	0

Category	NIC	NACp	NACv	SIL	SDA
Avg	9.9	10.0	2.0	3.0	2.0
Min	9	9	2	3	2
Max	10	10	2	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%	0.00%
Max dT	00:00:00	00:00:00
MCF	0	0

	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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