

11/20/2025

FOR YOUR INFORMATION

2025-284/6-33

To: FAA (ATM ZHU ARTCC)

2288671

Info: FAA (AVP-1, AVP-200, AFS-260, AFS-200), A4A, ALPA, AMFA, APA, ASAP, ATSG, CAPA, IAM, IATA, ICASS, IFALPA, IPA, NTSB, PAMA, SWAPA, TWU

From: Becky L. Hooley, Director
NASA Aviation Safety Reporting System

Re: ZHU ATC Radio Issues

We recently received ASRS reports describing a safety concern that may involve your area of operational responsibility. We do not have sufficient details to assess either the factual accuracy or possible gravity of the report. It is our policy to relay the reported information to the appropriate authority for evaluation and any necessary follow-up. We feel you should be aware of the enclosed deidentified report.

To properly assess the usefulness of our alert message service, we would appreciate it if you would take the time to give us your feedback on the value of the information that we have provided. Please contact Dr. Becky Hooley at (408) 541-2854 or email at becky.l.hooley@nasa.gov.



Aviation Safety Reporting System
P.O. Box 189 | Moffett Field, CA | 94035-0189



ACN 2288671

DATE / TIME

Date of Occurrence 202509
Local Time Of Day 0601 to 1200

PLACE

Locale HOU.Airport
State TX
Altitude - MSL 3000

ENVIRONMENT

Flight Conditions Mixed
Weather Cloudy

AIRCRAFT / EQUIPMENT X

ATC / Advisory - Center ZHU
ATC / Advisory - TRACON I90
Make Model Name Small Transport
Operating Under FAR Part 91

COMPONENT 1

Aircraft Component GPS & Other Satellite Navigation

PERSON 1

Function - Flight Crew Captain
Function - Flight Crew Single Pilot
ASRS Report Number 2288671

EVENTS

Anomaly Aircraft Equipment Problem - Less Severe
Anomaly Deviation / Discrepancy - Procedural - Published
Material / Policy
Anomaly Ground Event / Encounter - Ground Equipment Issue
Detector - Automation Aircraft Other Automation
Detector - Person Flight Crew
Result - Flight Crew Overcame Equipment Problem
Result - Air Traffic Control Provided Assistance

NARRATIVE 1

Being vectored for approach (visual). Had GPS approach loaded, followed it. GPS gave false location for approximately 10 minutes. GPS units both gave false locations.

ATC radios in the Houston area are in dire need of updating and repairs, VHF communications with Center poor to the south of HOU.

ATC provided headings to correct airport until it was confirmed visually. GPS was accurate upon departure.

Could have led to landing at the wrong airport. GPS gave no indication of being unusable.

SYNOPSIS

General aviation pilot reported both GPS units gave false locations and VHF communication with Center was poor, but ATC provided headings for guidance until the reporter visually confirmed the airport.