

# National Transportation Safety Board

Office of Aviation Safety

Washington, DC 20594



WPR22FA011

## **ASTRONOMICAL DATA**

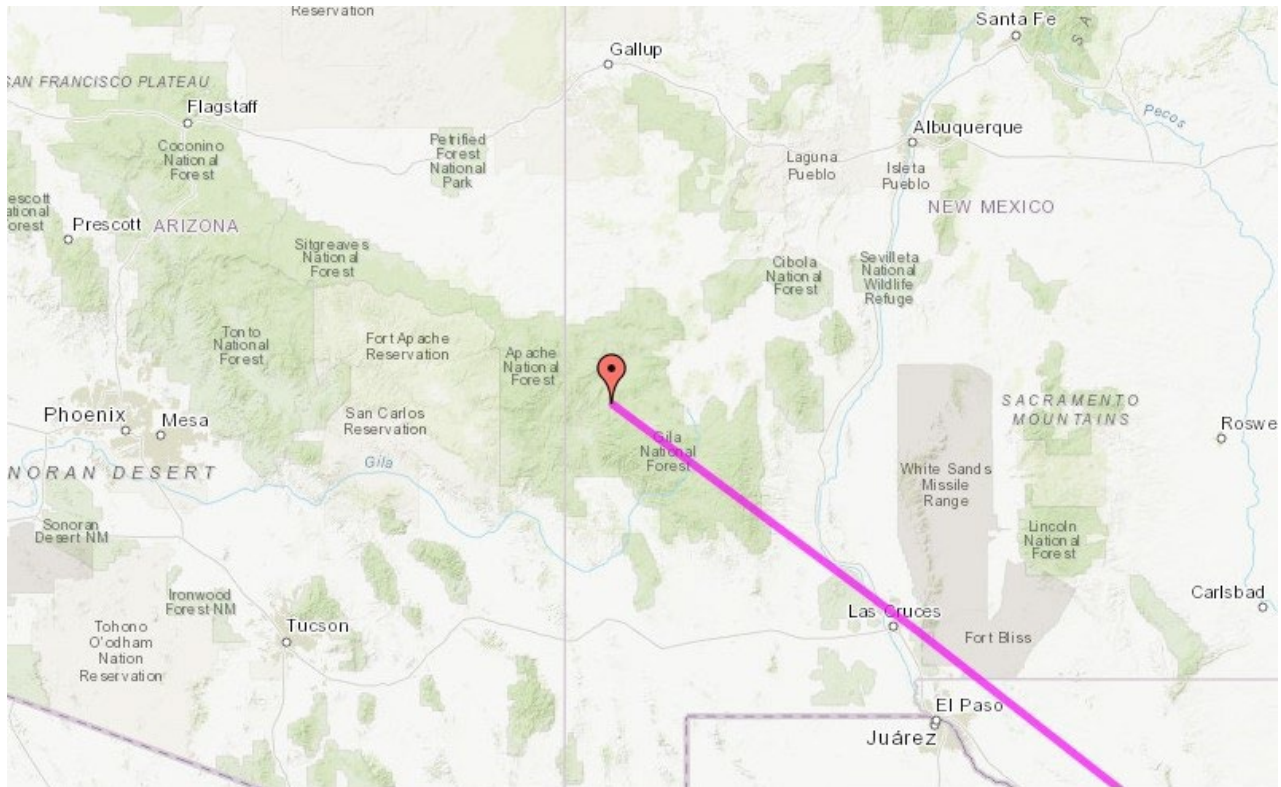
May 31, 2023

## A. ACCIDENT

Location: Reserve, NM  
Date: October 15, 2021  
Aircraft: Cessna 175, N7584M  
NTSB IIC: Maja Smith

## B. ASTRONOMICAL DATA

Records from the National Oceanic and Atmospheric Administration (NOAA) show that at the time and location of the accident, the center of the sun's disk was at an azimuth of  $126.2^{\circ}$  true ( $117.2^{\circ}$  magnetic), and they show the sun's elevation above the horizon was  $29.79^{\circ}$ .



**Location:**

Latitude: ⓘ Longitude: ⓘ Time Zone: ⓘ

33.596478
-108.72155
America/Denver

Save Location

UTC Offset: ⓘ

-06:00

**Date:**

Day: Month: Year:

15
Oct
2021

Local Time:

10 : 00 : 00
☐ PM
Use Current Time

**Result**

Equation of Time ⓘ (minutes):	Solar Declination ⓘ (in°):	Solar Noon ⓘ (hh:mm:ss):	Apparent Sunrise ⓘ (hh:mm):	Apparent Sunset ⓘ (hh:mm):	Az/El ⓘ (in °) at Local Time:	
14.33	-8.76	13:00:38	07:20	18:41	126.2	29.79
			<input type="checkbox"/> Show Sunrise ⓘ	<input type="checkbox"/> Show Sunset ⓘ	<input type="checkbox"/> Show Azimuth ⓘ	

Submitted by:

Kristyn Blocher  
Air Safety Investigator