

National Transportation Safety Board

Office of Aviation Safety  
Central Region



CEN23FA046

# **METEOROLOGICAL DATA SUMMARY**

## ACCIDENT

Location: Wonder Lake, Illinois  
Date: November 25, 2022  
Time: 1615 central standard time (2215 UTC)  
Airplane: Extra EA 300/LC; Registration No. N361LX

---

### Closest Aviation Weather Station

Burlington Municipal Airport (KBUU)  
Burlington, Wisconsin, USA  
42.6907171° North Latitude  
88.3046825° West Longitude  
780.1 ft mean sea level (airport field elevation)

Distance To Accident Site: 17.5 nautical mile  
Direction To Accident Site: 190° True

### Meteorological Aerodrome Report (METAR)

METAR KBUU 251935Z AUTO 27008KT 10SM CLR 10/M01 A3017 RMK AO2 T00951014  
METAR KBUU 251955Z AUTO 28006KT 10SM CLR 10/M02 A3016 RMK AO2 T00961016  
METAR KBUU 252015Z AUTO 26004KT 10SM CLR 10/M02 A3016 RMK AO2 T00981020  
METAR KBUU 252035Z AUTO 27005KT 10SM CLR 10/M02 A3015 RMK AO2 T01001020  
METAR KBUU 252055Z AUTO 29006KT 10SM CLR 10/M02 A3015 RMK AO2 T01001018  
METAR KBUU 252115Z AUTO 25005KT 10SM CLR 10/M01 A3015 RMK AO2 T00971015  
METAR KBUU 252135Z AUTO 24005KT 10SM CLR 09/00 A3016 RMK AO2 T00910000  
METAR KBUU 252155Z AUTO 24006KT 10SM CLR 08/00 A3016 RMK AO2 T00841001

*--- Accident Occurred at 2215 UTC (1615 CST) ---*

METAR KBUU 252215Z AUTO 24005KT 10SM CLR 07/00 A3016 RMK AO2 T00721002  
METAR KBUU 252235Z AUTO 20004KT 10SM CLR 06/00 A3016 RMK AO2 T00571005  
METAR KBUU 252255Z AUTO 21004KT 10SM CLR 05/M01 A3016 RMK AO2 T00451009  
METAR KBUU 252315Z AUTO 20003KT 10SM CLR 05/M01 A3016 RMK AO2 T00451012  
METAR KBUU 252335Z AUTO 21003KT 10SM CLR 04/M01 A3015 RMK AO2 T00401011  
METAR KBUU 252355Z AUTO 00000KT 10SM CLR 03/M01 A3014 RMK AO2 T00301012

## High-Resolution Rapid Refresh (HRRR) Atmosphere Model (1600 UTC)

| PRESSURE_hPa | HEIGHT_MSL_Meters | TEMP_C | DEWPOINT_C | WIND_DIR_DEG | WIND_SPEED_MPS |
|--------------|-------------------|--------|------------|--------------|----------------|
| 989          | 259               | 7.0    | -0.5       | 240.0        | 2.5            |
| 988          | 267               | 8.1    | -0.1       | 239.8        | 2.3            |
| 985          | 293               | 8.7    | 0.4        | 246.1        | 3.9            |
| 980          | 339               | 8.5    | -2.1       | 252.3        | 4.5            |
| 970          | 421               | 7.9    | -3.0       | 260.8        | 4.7            |
| 958          | 527               | 6.9    | -3.4       | 270.0        | 5.0            |
| 940          | 683               | 6.2    | -8.2       | 293.1        | 5.9            |
| 919          | 866               | 6.3    | -13.8      | 303.6        | 7.7            |
| 896          | 1072              | 5.7    | -14.8      | 304.5        | 8.4            |
| 871          | 1301              | 4.4    | -15.6      | 301.0        | 8.6            |
| 843          | 1563              | 3.0    | -17.2      | 301.5        | 9.1            |
| 813          | 1862              | 2.0    | -16.7      | 303.9        | 9.5            |
| 779          | 2197              | 1.1    | -14.7      | 311.8        | 9.7            |
| 743          | 2577              | 1.3    | -11.9      | 319.4        | 11.4           |
| 704          | 3018              | 0.9    | -15.1      | 322.9        | 14.2           |

### Sun Position

Accident: 1615 CST  
 Altitude: 1.05°  
 Azimuth: 240.46°

Runway 27: 268° True

Dawn: 0625:31 CDT  
 Sunrise: 0656:09 CDT  
 Sun Peak: 1140:30 CDT  
 Sunset: 1624:31 CDT  
 Dusk: 1655:08 CDT

