

Summary of Aircraft Examination

NATIONAL TRANSPORTATION SAFETY BOARD Office of Aviation Safety Washington, DC 20594

SUMMARY OF METEOROLOGICAL INFORMATION

-- CEN22FA064 --

A. OVERVIEW

On December 8, 2021, about 1013 mountain standard time, a Cranford Vans RV-4 airplane, N456MC, sustained substantial damage when it was involved in an accident near Walsenburg, Colorado. The pilot sustained fatal injuries. The airplane was operated as a Title 14 *Code of Federal Regulations* Part 91 personal flight.

B. SUMMARY

There were several PIREPs of light-to-moderate turbulence over the area prior to the accident, with at least 4 urgent reports of moderate-to-severe turbulence after the accident.

Graphic Turbulence Guidance (GTG) - the NWS supplemental product provided an eddy dissipation rates between 20 to 45 over southern Colorado in the vicinity of the accident site consistent with moderate-to-severe turbulence (See Figure 1.).

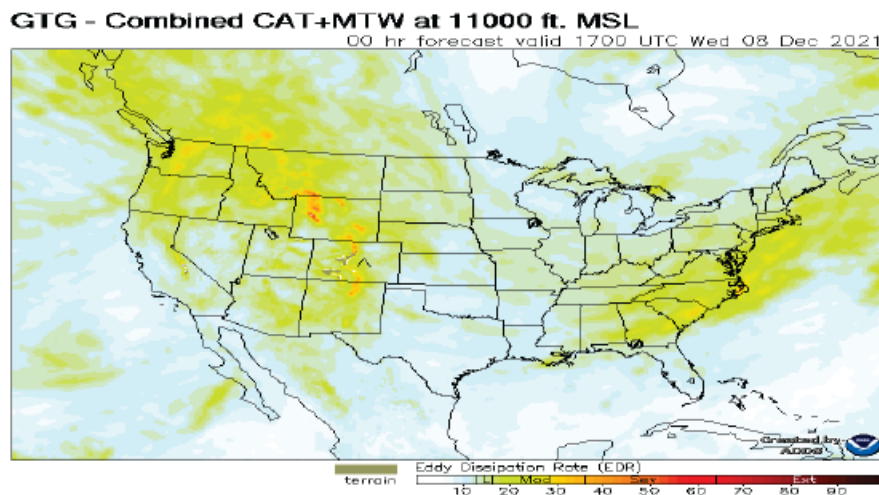


Figure 1. Graphic Turbulence Guidance for 11,000 ft for a light category aircraft. Moderate to severe turbulence due to mountain wave indicated over the area.

----- end of summaries -----