





McVinnic Aviation







THE PIPER PA46

- PA46-310P
- PA46-350P/M350
- PA46-350T*
- PA46-310P TURBINE (P46T)
- PA46-350P TURBINE (P46T)
- PA46-500/M500 (P46T)
- PA46-M600

FIRST MASS PRODUCED GENERAL AVIATION SINGLE ENGINE

PRESSURIZED AIRCRAFT

APPROVED FOR FLIGHT INTO KNOWN ICING (FIKI)



PIPER MALIBU INTRODUCED IN 1984

MOST ARE OWNER FLOWN

FIKI IS A STANDARD OPTION

The Mirage ice protection system was designed and tested for operation in light to moderate meteorological conditions defined in FAR 25, Appendix C, for continuous maximum and intermittent maximum icing conditions. The ice protection system was not designed or tested for flight in freezing rain, freezing drizzle or supercooled liquid water and ice crystals, or conditions defined as severe. Flight in these conditions is prohibited and must be avoided.









PIPER MALIBU INTRODUCED IN 1984

MOST ARE OWNER FLOWN**

MANY- PRIVATE PILOTS W/INSTRUMENT



PAST 10-YEARS (2012 – 2021) 16 ICING RELATED FATAL ACCIDENTS 23 CONVECTION RELATED FATAL ACCIDENTS

16 ICING RELATED FATAL ACCIDENTS

23 CONVECTION RELATED FATAL ACCIDENTS

LIMITED HIGH/MIDDLE ALTITUDE WEATHER EXPERIENCE

16 ICING RELATED FATAL ACCIDENTS

23 CONVECTION RELATED FATAL ACCIDENTS

SYSTEMS KNOWLEDGE

16 ICING RELATED FATAL ACCIDENTS

23 CONVECTION RELATED FATAL ACCIDENTS

UNDERSTANDING OF SYSTEMS LIMITATIONS

16 ICING RELATED FATAL ACCIDENTS

23 CONVECTION RELATED FATAL ACCIDENTS

OVER RELIANCE ON INSTALLED SYSTEMS

16 ICING RELATED FATAL ACCIDENTS

23 CONVECTION RELATED FATAL ACCIDENTS

LIMITED EXPERIENCE/INADEQUATE TRAINING

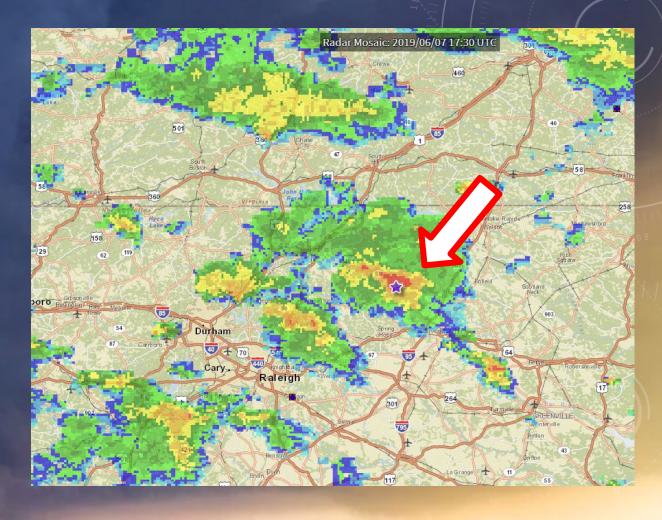
Date	Aircraft	Description	Risk Element
Aug 2017	HB-PPH	Loss of Control During Climb	Icing
Dec 2018	N307JM	Loss of Control During Climb	Icing
Apr 2019	N123SB	Loss of Control During Approach	TRW Microburst
May 2019	N757NY	CFIT	Blizzard Conditions
Jun 2019	N709CH	In-Flight Breakup	TRW/Icing
Mar 2020	N43368	In-Flight Breakup NEXRAD/ATC	TRW
Feb 2021	N40TS	CFIT/LOC	Blizzard Conditions
Apr 2021	N461DK	Loss of Control During Climb	Icing

CONVECTIVE ISSUES

TRUST/MISUNDERSTANDING
OF NEXRAD AND FIS-B
(DELAYS)

LIMITED RADAR KNOWLEDGE LIMITED RADAR TRAINING

7 Jun 2019



CONVECTIVE ISSUES

TRUST/MISUNDERSTANDING
OF NEXRAD AND FIS-B
(DELAYS)

LIMITED RADAR KNOWLEDGE LIMITED RADAR TRAINING

3 Mar 2020









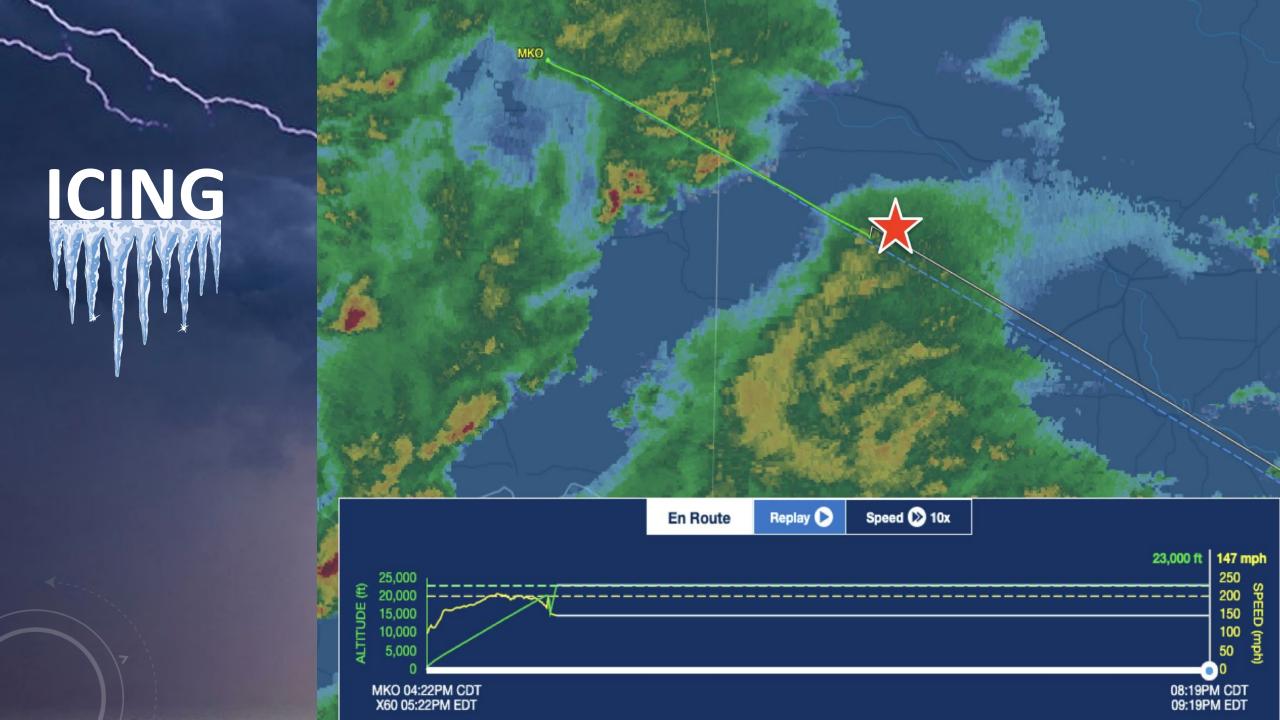


Dr. Mark Andregg, wife Shannon, son Nathan

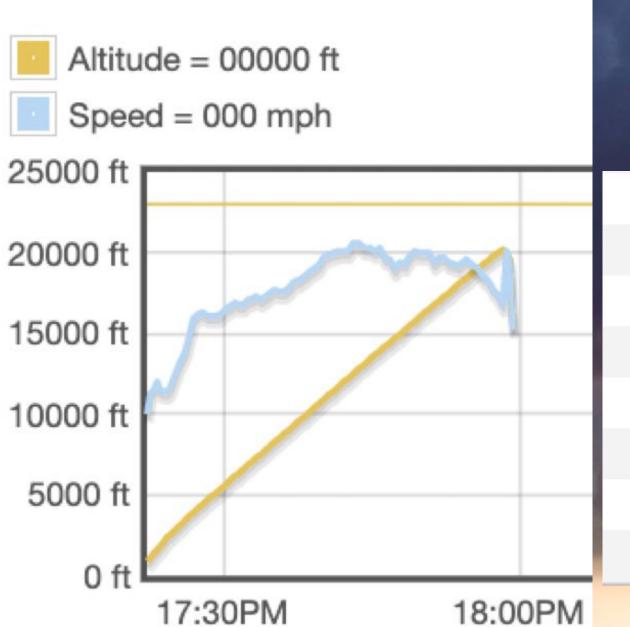
Tulsa Orthodontist

CFI Tim

Independent Instructor





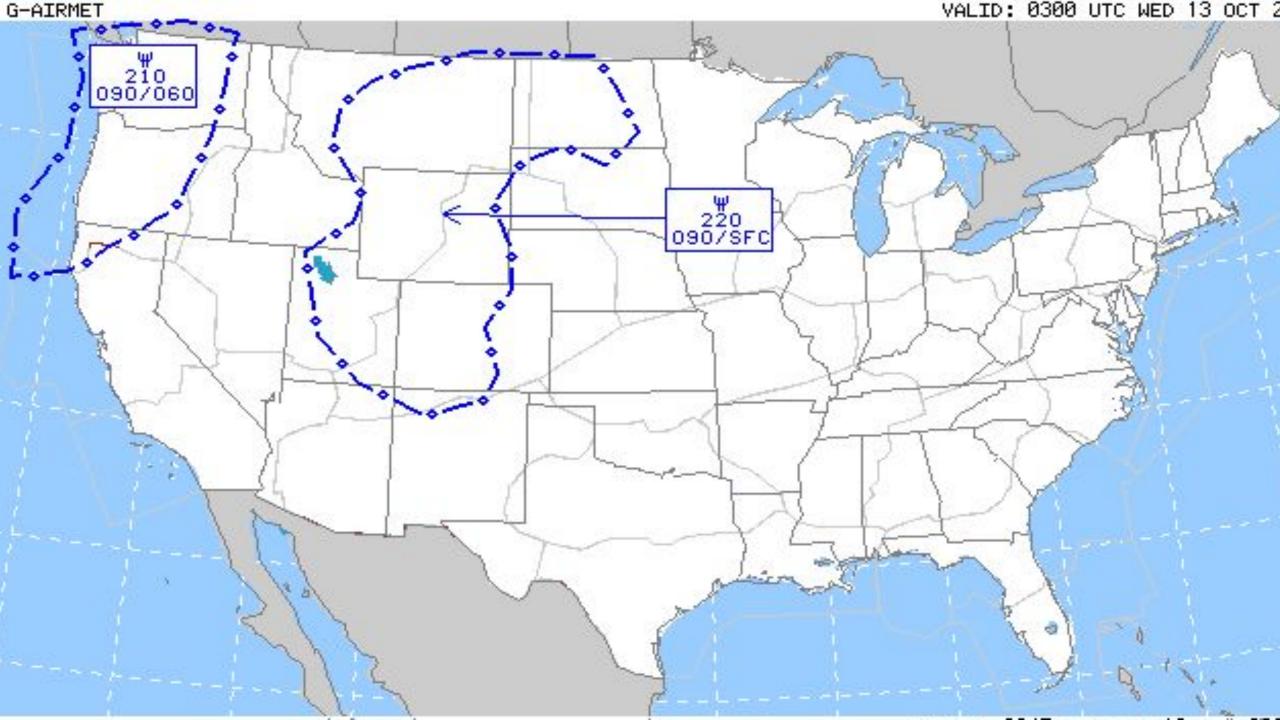


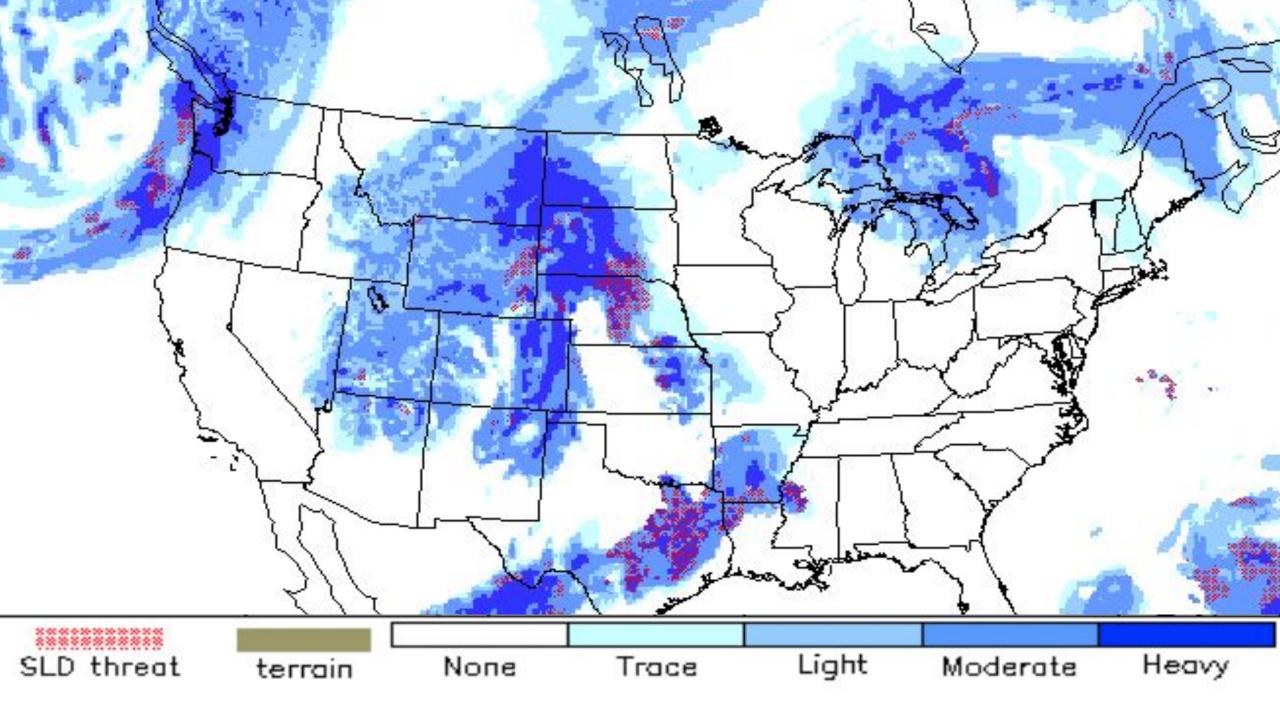
	1 60
500 🔨	19,300
500 👚	19,500
500 👚	19,800
400 🔨	20,000
	20,200
-923 🖖	20,000
-6,900 🖖	19,600
1,468 🔨	15,400











lcing

Oct 17, 1800Z to Oct 17, 2059Z

Valid: 2021-10-17T18:00Z Issued: 2021-10-

17T14:45Z Severity: MOD Top: 13000

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ACTIVE DURING PASSING TIME

Oct 17, 1804Z to Oct 17, 1920Z



lcing

Oct 17, 1800Z to Oct 17, 2059Z

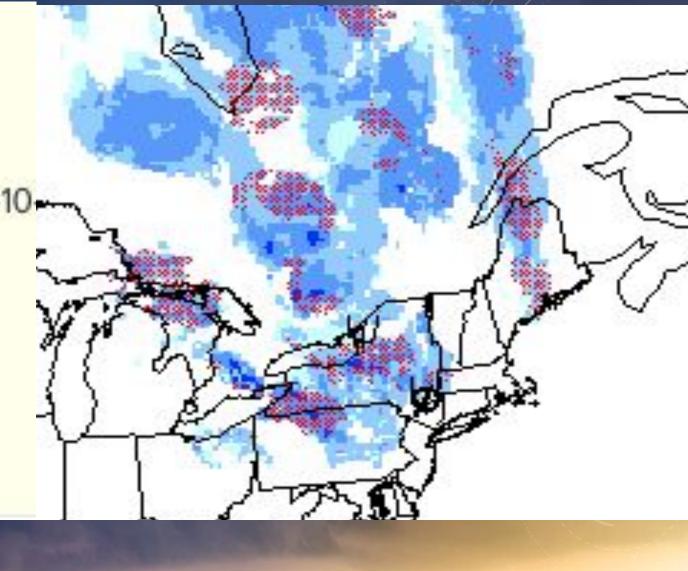
Valid: 2021-10-17T18:00Z Issued: 2021-10-

17T14:45Z Severity: MOD Top: 13000

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ACTIVE DURING PASSING TIME

Oct 17, 1804Z to Oct 17, 1920Z



SLD threat

terrain

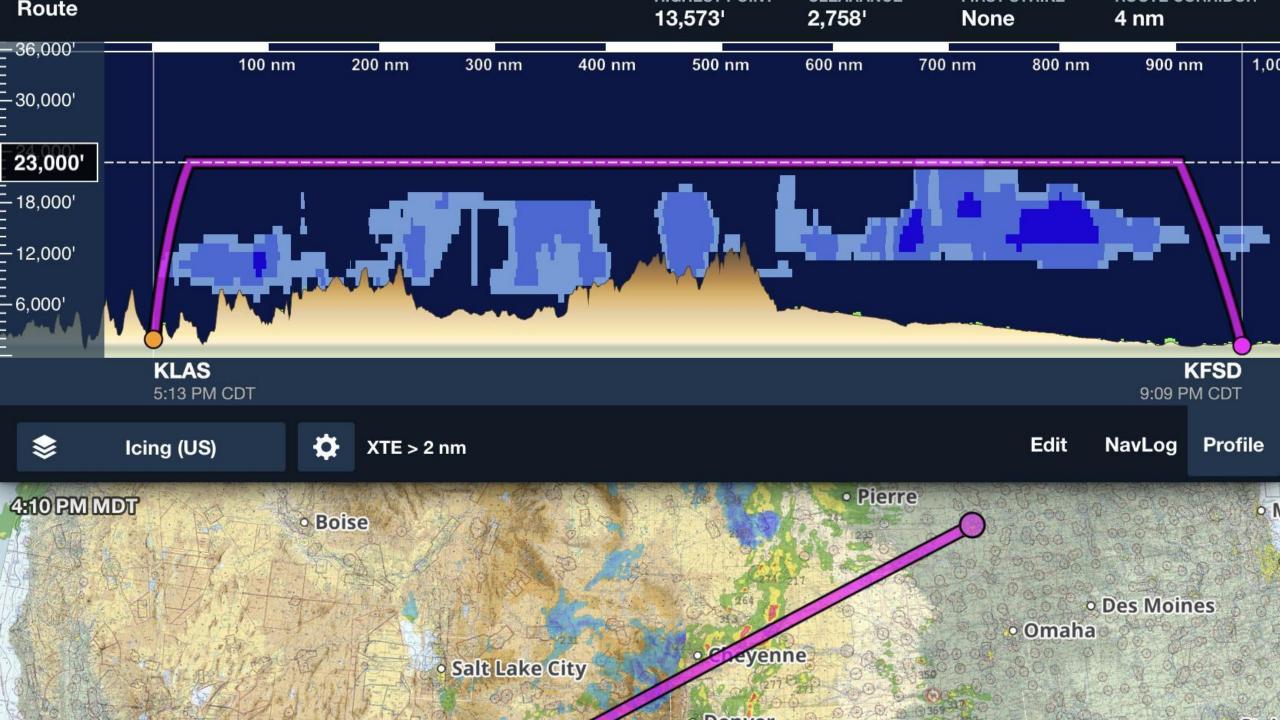
None

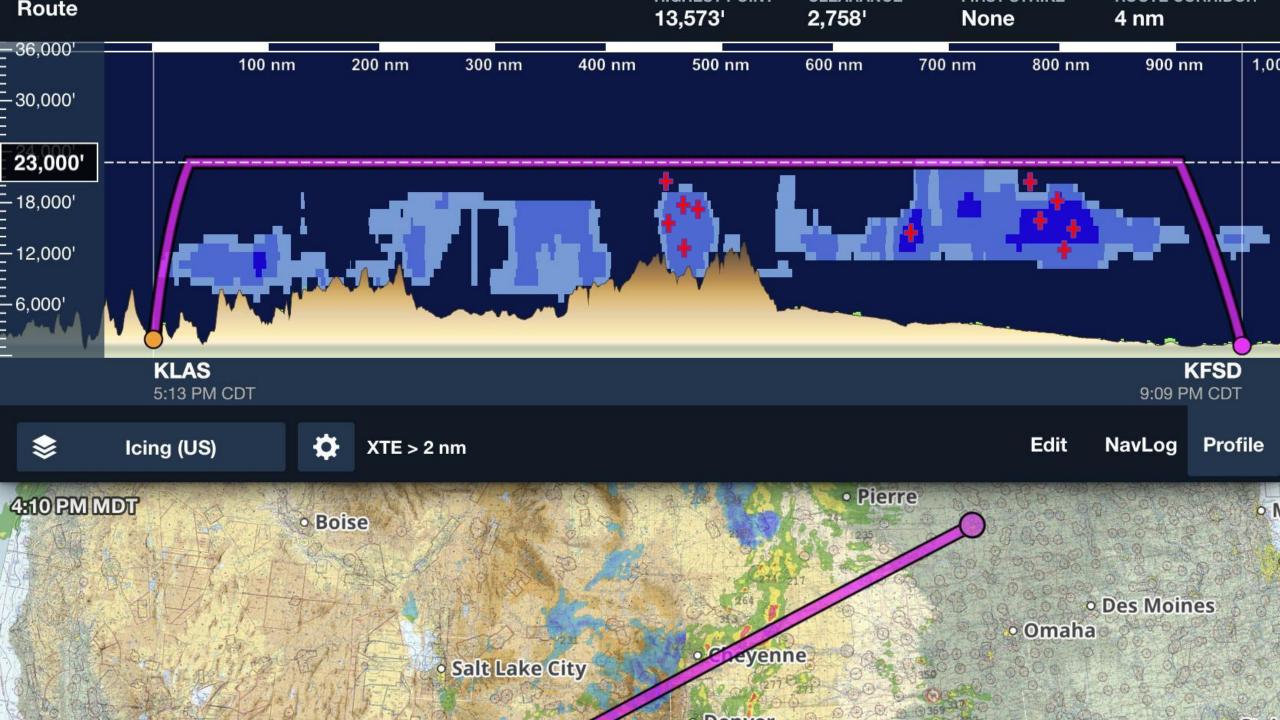
Trace

Light

Moderate

Heavy







Adverse Conditions

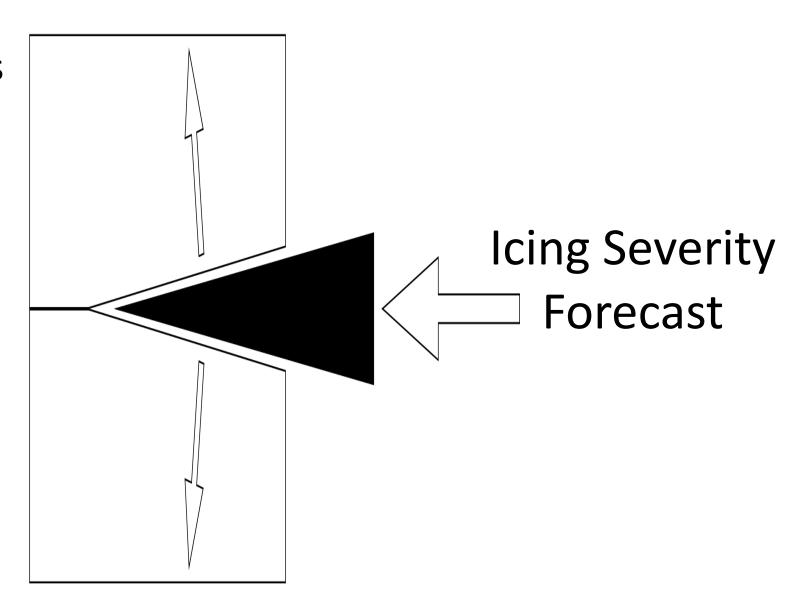
Convective SIGMETs

SIGMET

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AIRMET

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HOW CAN WE BETTER SERVE OUR CUSTOMERS?

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