

Vision SF50 Personal Jet: Q2 2010 Update

June 2, 2010; 11AM CDT Duluth, Minnesota via webinar

Email Questions during presentation to:

gblack@cirrusaircraft.com



Dale Klapmeier Co-Founder & Chairman









Brent Wouters
President & Chief Executive Officer









Gary Black Jet Sales Director

Mike Stevens Chief Test Pilot





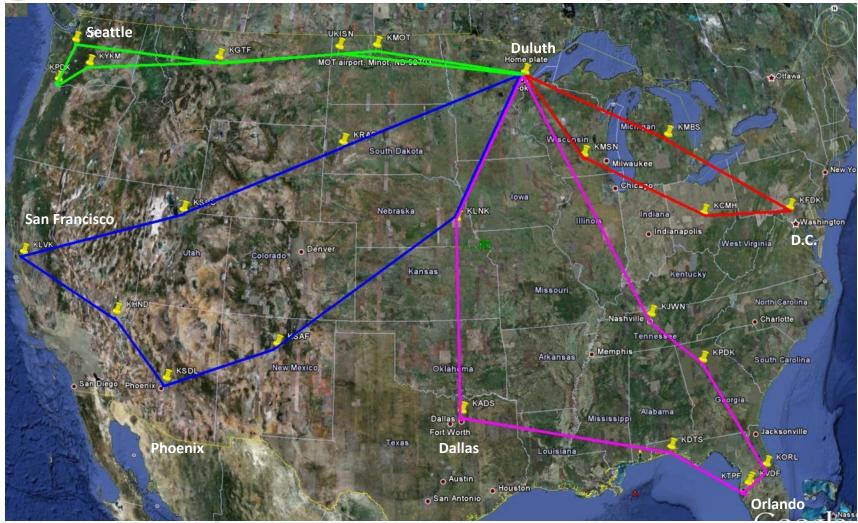


June 2010: Recent Milestones

- ✓ Flight Testing: 440+ Engine Run Hours, 270+ Flight Hours
- √ V1 undergoing FIKI testing in actual conditions
- ✓ Lots of real world flying experience



Flight Testing – Cross Country in V1 (N280CJ)







Flight Testing – Cross Country in V1 (N280CJ)

Items that have worked well:

- ✓ Cruise at 300KTAS at FL280
- ✓ Ice Testing
 - Favorable testing overall.



- Initial development flights have been satisfactory and we have encountered some severe icing very early in the program.
- Boot design needs to be altered as our intercycle ice shapes are larger than desired.
- Windscreen and radome protection schemes are still under development – characteristics now well understood.

Autopilot integration.

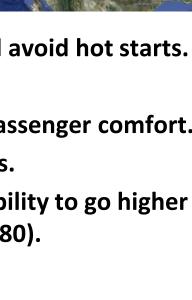
✓ Autopilot continues to work very well.



Flight Testing – Cross Country in V1 (N280CJ)

Some things we have learned:

- Flying a VFR non-FIKI jet around the CONUS in the winter is challenging.
- Starting experiences will allow further refinement to improve starting reliability and avoid hot starts.
- Ramp appeal is very high.
- Cabin heat capacity required for maximum passenger comfort.
- Non pressurized flight at FL280 is for the birds.
- Flight above FL280 (RVSM restrictions limit ability to go higher than 28000 ft. ATC gets cranky if you fly above FL280).





Dave Rathbun Chief Engineer, Vision SF50 Jet

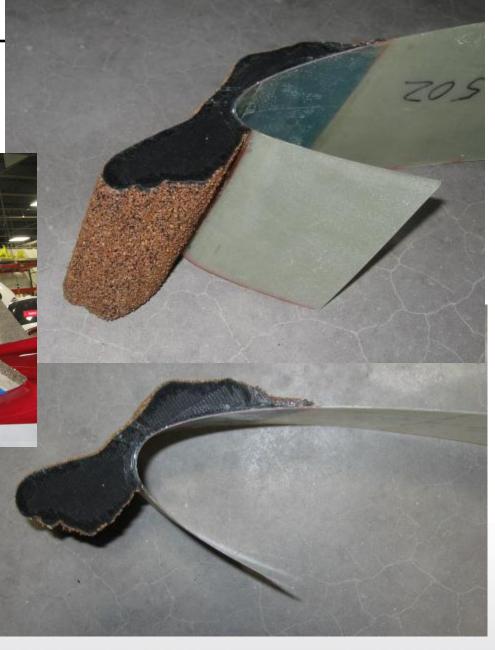




Progress: June 2010

Dry Ice Shapes







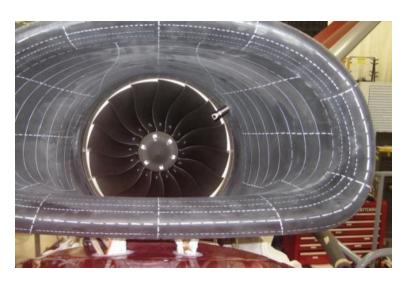
Progress: June 2010

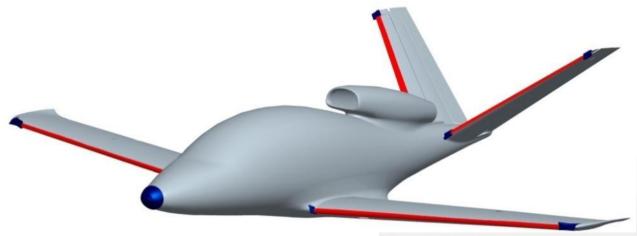
New Pneumatic Boots



Ice Protection Testing

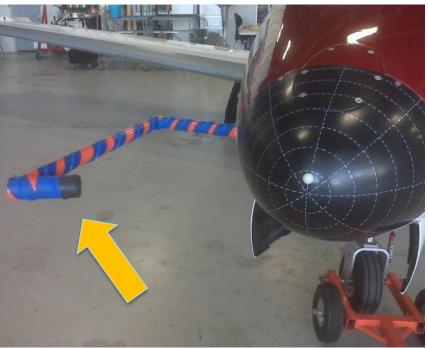
- Dry Air flight testing
- ✓ Electro-Thermal Engine Inlet
- ✓ Natural Ice Flight Testing underway
- ✓ Cameras to assess ice accretions/trajectories mounted on...
 - Nose
 - Wing tip (fuselage view)
 - Top of fuselage (inlet view)
 - Inside inlet barrel





Nose







Wing tip (fuselage view)

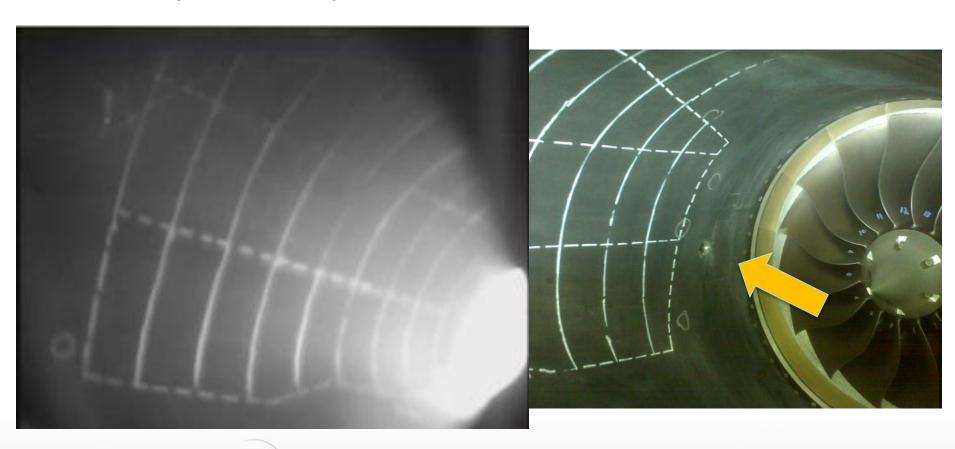




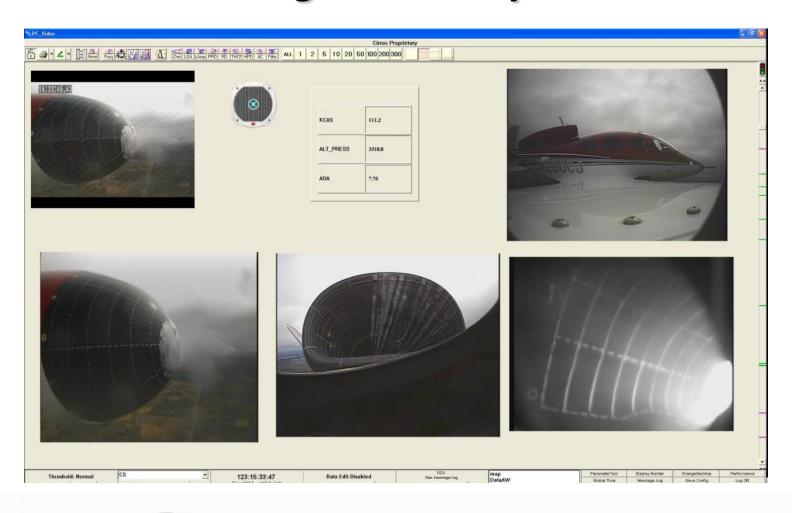
Top of fuselage (inlet view)



Inside Inlet (barrel view)



Ice Protection Testing: Telemetry







Ice Protection Testing: On Board V1 (N280CJ)



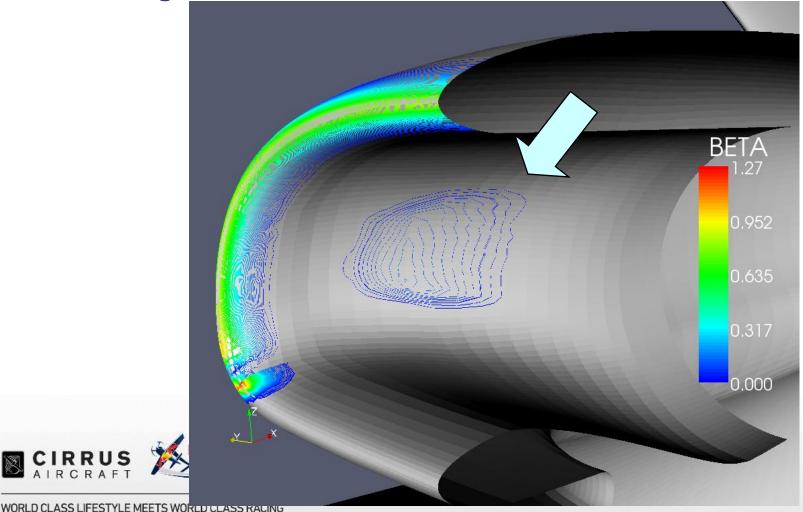




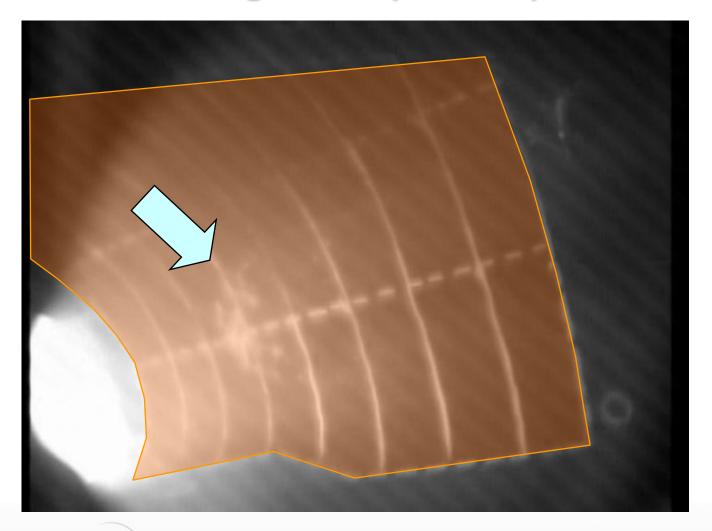
Ice Protection Testing: Modeling

Inlet barrel ice accretion analysis

Predicted icing on barrel inlet



Ice Protection Testing on V1 (N280CJ)







- ✓ Inlet barrel ice accretion validates predictions
- √ Large internally heated area

Ice Protection Testing on V1 (N280CJ)







New Ice Boots Testing on V1 (N280CJ)







New Ice Boots Testing on V1 (280CJ)

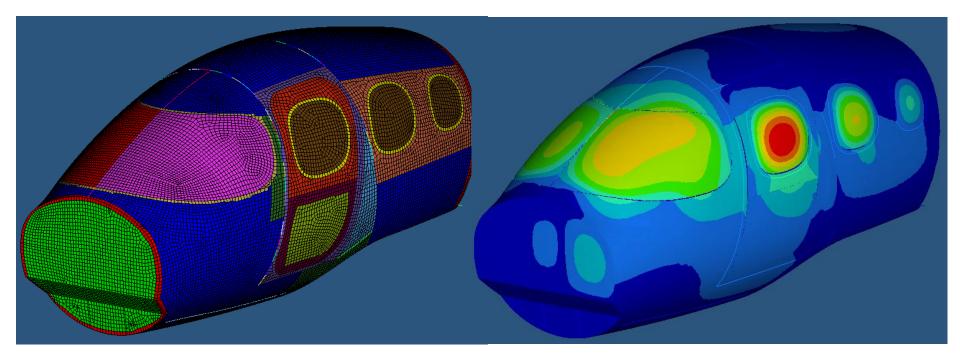






Next Steps

- Full Scale Fuselage Pressure Tests
- Validates Computer Models (FEA)





Build of test article is in process

Testing of fuselage and door structure starting soon

Progress with our Key Vision Partners: 82% of Supplier Selections have been finalized, up from 65% earlier this year.



Williams International



























Vision Jet Flight Training

Robert Haig and Paul Fiduccia







Vision Jet Training Mission Statement

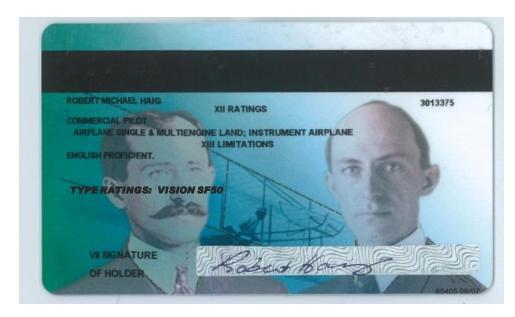
Develop the required knowledge, skill and judgment to safely and confidently operate the Vision Jet - while maximizing the aircraft's utility - through a training program that is tailored to individual experience levels.





Requirements for Vision Type Rating

- ✓ Private Pilot with Instrument
- √ 3rd class medical
- ✓ High Altitude endorsement
 - Integrated into type rating
- ✓ Type Rating practical test
- ✓ ATP not required







Roadmap to Successful Ownership

Preparation

SR22 w/ Perspective

Professional skills and habits

Pre-training program, tailored to pilot experience

Type Rating

Integrated simulator and aircraft training

FAA Practical Test

Focused on Type rating

Integrated High Altitude Endorsement

Mentorship

Fly with mentor pilot in real world environment

Personalized instruction

Training integrated into Actual aircraft usage

Recurrent

Reinforce knowledge and skills

Maximize aircraft utility

Use of simulation

Meet insurance Requirements









From now to your Vision delivery...

Start preparing today:

- ✓ Fly Cirrus Perspective by Garmin[™] avionics suite
- ✓ Fly IFR frequently and strive for excellence.
- ✓ Complete IPC with Cirrus training partner every 6 months
- ✓ Consistently adhere to SOPs
 - Cirrus Flight Operations Manual
- ✓ Gain confidence in airspace / terrain that you intent to operate the jet
- ✓ Complete the Jet Transition course found at https://www.kingschoolsonline.com/
- ✓ High altitude chamber training- UNDAF, SAMA, FAA
 - Completes ground portion of high altitude endorsement
 - <u>rhaig@cirrusaircraft.com</u> for more information
- ✓ Upgrade from Private to Commercial to ATP in SR22







See the SF50 in person and flight demonstration:

Wed June 9
Sat & Sun June 5-6
Sat & Sun June 19-20
Thur June 24
Fri June 25
Sun-Sat July 25-31

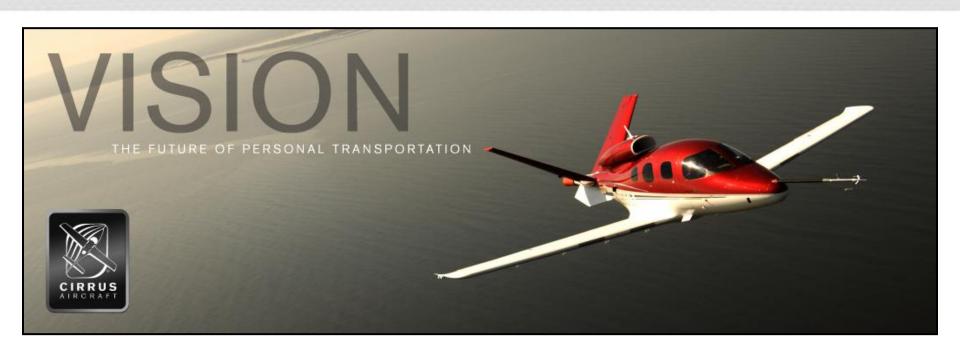
St. Louis, MO
Detroit/Windsor
New York City
Chicago, IL
Minneapolis, MN
Oshkosh, WI

Inside Cirrus Event RedBull Air Race RedBull Air Race Inside Cirrus Event Inside Cirrus Event EAA AirVenture



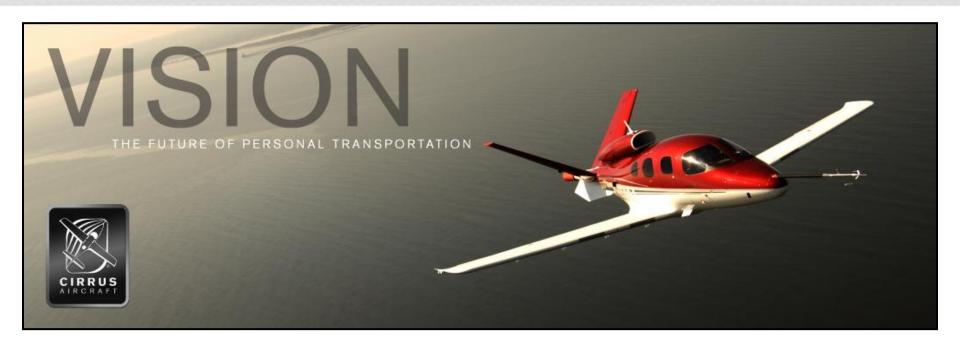


Contact: gblack@cirrusaircraft.com



Vision 'Personal Jet': Q&A





Today's presentation and new video of natural ice testing will be on our website www.cirrusaircraft.com/vision on Wednesday June 9th, 2010.

Thanks again and see you soon!

