

CRUISE

PNF		PF
Cruise Power		SET
Engine Instruments		CHECKED
Fuel Quantity/Crossfeed		CHECKED
Pressurization/Oxygen		CHECKED/AS REQUIRED
Anti-Ice/De-Ice		AS REQUIRED

DESCENT (15 MINUTES PRIOR)

Defog Fan	HI
Foot Warmers	CLOSED LEFT/RIGHT
Airflow Distribution	COCKPIT
Pressurization/Temperature	CHECKED/SET
Windshield Bleed Air Switch/Manual Valves	LO/MAX
Anti-Ice/De-Ice	AS REQUIRED

TRANSITION LEVEL (BELOW FL180)

Altimeters	CHECKED/SET
Recognition Lights	ON
Freon A/C	AS REQUIRED

APPROACH/IN RANGE

Seat Belts/Shoulder Harness	SECURED LEFT/RIGHT
Passenger Seats	UPRIGHT/OUTBOARD
Cabin and Emergency Exits	CLEAR
Avionics/Flight Instruments	CHECKED/SET
Fuel Crossfeed	OFF
Passenger Advisory	PASS SAFETY
Anti-Skid Switch	ON
Engine Sync	OFF
Altimeters/Radar Altimeter	CHECKED/SET
Landing Data/Bugs	COMPLETED/SET
Crew Brief	COMPLETE
Ignition	ON
Flaps	T.O. & APPR
Pressurization	SET FOR LANDING

V_{REF}/V_{APP} KIAS

FLAPS	WEIGHT X 1000 (LBS)						
	14.1	13.5	12.7	12.0	11.5	10.5	9.5
V _{REF} FULL	114	112	108	106	104	99	95
V _{APP} -15°	122	119	115	113	111	106	102

CE551, Minimum V_{REF} is 97 KIAS below 10,000 lbs.

**NATIONAL TRANSPORTATION SAFETY BOARD
PILOT/OPERATOR AIRCRAFT ACCIDENT/INCIDENT REPORT**

This form to be used for reporting civil and public aircraft accidents and incidents

BASIC INFORMATION

Accident/Incident Location Nearest City/Place: <u>Fargo</u> State: <u>ND</u> ZIP: <u>58102</u> Country: <u>USA</u> Latitude: _____ Longitude: _____ <i>(Enter in decimal degrees or degrees:minutes:seconds)</i>	Accident/Incident Date/Time Date: <u>11/30/2018</u> Local Time: <u>1:53pm</u> <i>mm/dd/yyyy</i> Time Zone: <u>Central</u> Collision with Other Aircraft: <input type="radio"/> Midair <input type="radio"/> On-ground <input checked="" type="radio"/> None
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AIRCRAFT INFORMATION

Registration Number: <u>N941JM</u> Manufacturer: <u>Cessna</u> Model: <u>C550</u> Serial Number: <u>550-0146</u> Year of Manufacture: <u>1980</u> Amateur-Built: <input type="radio"/> Yes <input checked="" type="radio"/> No <i>If Yes:</i> <input type="radio"/> Kit/Plans <input type="radio"/> Original Design <i>Make:</i> _____	<input checked="" type="checkbox"/> IFR-Equipped and Certified <input type="checkbox"/> Commercial Space Flight <input type="checkbox"/> Unmanned Aircraft Maximum Gross Weight: <u>13500</u> lbs Weight at Time of Accident/Incident: <u>12100</u> lbs Number of Seats: <u>11</u> Flight Crew Seats: <u>2</u> Cabin Crew Seats: _____ Passenger Seats: <u>9</u> Number of Engines: <u>2</u>
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Category of Aircraft <input checked="" type="radio"/> Airplane <input type="radio"/> Balloon <input type="radio"/> Blimp/Dirigible <input type="radio"/> Glider <input type="radio"/> Gyroplane <input type="radio"/> Helicopter <input type="radio"/> Powered Lift <input type="radio"/> Rocket <input type="radio"/> Ultralight <input type="radio"/> Unknown	Type of Airworthiness Certificate <i>(Check all that apply)</i> <table style="width:100%;"> <tr> <th style="text-align: left;">Standard</th> <th style="text-align: left;">Special</th> </tr> <tr> <td><input checked="" type="checkbox"/> Normal</td> <td><input type="checkbox"/> Restricted</td> </tr> <tr> <td><input type="checkbox"/> Aerobatic</td> <td><input type="checkbox"/> Limited</td> </tr> <tr> <td><input type="checkbox"/> Balloon</td> <td><input type="checkbox"/> Provisional</td> </tr> <tr> <td><input type="checkbox"/> Commuter</td> <td><input type="checkbox"/> Special Flight</td> </tr> <tr> <td><input type="checkbox"/> Transport</td> <td><input type="checkbox"/> Experimental</td> </tr> <tr> <td><input type="checkbox"/> Utility</td> <td><input type="checkbox"/> Special Light-Sport</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Experimental Light-Sport</td> </tr> </table> <input type="checkbox"/> Certificate of Authorization or Waiver (COA) <input type="checkbox"/> None <input type="checkbox"/> Unknown	Standard	Special	<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Restricted	<input type="checkbox"/> Aerobatic	<input type="checkbox"/> Limited	<input type="checkbox"/> Balloon	<input type="checkbox"/> Provisional	<input type="checkbox"/> Commuter	<input type="checkbox"/> Special Flight	<input type="checkbox"/> Transport	<input type="checkbox"/> Experimental	<input type="checkbox"/> Utility	<input type="checkbox"/> Special Light-Sport		<input type="checkbox"/> Experimental Light-Sport	Landing Gear <i>(Check all that apply)</i> <input checked="" type="checkbox"/> Retractable <input type="checkbox"/> Tricycle <input type="checkbox"/> Tailwheel <input type="checkbox"/> Amphibian <input type="checkbox"/> High Skid <input type="checkbox"/> Emergency Float <input type="checkbox"/> Skid <input type="checkbox"/> Float <input type="checkbox"/> Ski <input type="checkbox"/> Hull <input type="checkbox"/> Ski/Wheel <input type="checkbox"/> Other Launch/Recovery System <input type="checkbox"/> None <input type="checkbox"/> Unknown	Engine Type (Select one) <input type="radio"/> Reciprocating <input type="radio"/> Liquid Rocket <input type="radio"/> Turbo Shaft <input type="radio"/> Solid Rocket <input type="radio"/> Turbo Prop <input type="radio"/> Hybrid Rocket <input checked="" type="radio"/> Turbo Jet <input type="radio"/> None <input type="radio"/> Turbo Fan <input type="radio"/> Unknown <input type="radio"/> Electric Fuel System Type (Reciprocating) <input type="radio"/> Carburetor <input type="radio"/> Fuel-Injected
Standard	Special																		
<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Restricted																		
<input type="checkbox"/> Aerobatic	<input type="checkbox"/> Limited																		
<input type="checkbox"/> Balloon	<input type="checkbox"/> Provisional																		
<input type="checkbox"/> Commuter	<input type="checkbox"/> Special Flight																		
<input type="checkbox"/> Transport	<input type="checkbox"/> Experimental																		
<input type="checkbox"/> Utility	<input type="checkbox"/> Special Light-Sport																		
	<input type="checkbox"/> Experimental Light-Sport																		

Engine	Engine Manufacturer	Engine Model/Series	Manufacturer's Serial Number	Date of Mfg. <i>mm/dd/yyyy</i>	Rated Power	Total Time (hours)	Time Since:	
					<input type="radio"/> Horsepower or <input checked="" type="radio"/> lbs of Thrust		Inspection (hours)	Overhaul (hours)
Eng. 1	Pratt & Whitney	JT15B-4	PCE70234		2500	12150	109	1844
Eng. 2	Pratt & Whitney	JT15B-4	PCE70277		2500	10080	1321	3092
Eng. 3								
Eng. 4								

Last Inspection Type <input type="radio"/> 100-Hour <input checked="" type="radio"/> Continuous Airworthiness <input type="radio"/> AAIP <input type="radio"/> Conditional Inspection <input type="radio"/> Annual <input type="radio"/> Unknown Date Last Inspection: <u>03/23/2017</u> <i>mm/dd/yyyy</i> Airframe Total Time: <u>7180.0</u> hrs hours measured at <i>(Select one)</i> <input checked="" type="radio"/> Last Inspection <input type="radio"/> Time of Accident/Incident	Propeller 1 <input type="radio"/> Fixed Pitch <input type="radio"/> Controllable Pitch <input type="radio"/> Ground Adjustable Manufacturer: _____ Model: _____ Propeller 2 <input type="radio"/> Fixed Pitch <input type="radio"/> Controllable Pitch <input type="radio"/> Ground Adjustable Manufacturer: _____ Model: _____
Type of Maintenance Program (Select one) <input type="radio"/> Annual <input type="radio"/> Conditional (Amateur-built only) <input checked="" type="radio"/> Manufacturer's Inspection Program <input type="radio"/> Other Approved Inspection Program (AAIP) <input type="radio"/> Continuous Airworthiness <input type="radio"/> Other, specify: _____	ELT Installed: <input checked="" type="radio"/> Yes <input type="radio"/> No <i>If Yes:</i> ELT Manufacturer: _____ Model or Part No.: _____ TSO No.: <input type="radio"/> C91 (121.5 MHz) <input type="radio"/> C91a (121.5 MHz) <input type="radio"/> C126 (406 MHz) Was ELT still mounted in aircraft? <input type="radio"/> Yes <input type="radio"/> No Was ELT still connected to antenna? <input type="radio"/> Yes <input type="radio"/> No Did ELT Activate? <input type="radio"/> Yes <input type="radio"/> No <i>If activated:</i> Did ELT Aid in Locating Aircraft: <input type="radio"/> Yes <input checked="" type="radio"/> No <i>If not activated:</i> Indicate Reason: <input type="checkbox"/> Impact Damage <input type="checkbox"/> Fire Damage <input type="checkbox"/> Battery Expired/Damaged <input type="checkbox"/> Unknown
Description of Fire Extinguishing System <input type="radio"/> None <input checked="" type="radio"/> Specify: engine bottles on each engine	Additional Equipment (Check all that apply) <input type="checkbox"/> ADS-B <input type="checkbox"/> Airframe Parachute <input checked="" type="checkbox"/> Angle of Attack Indicator <input checked="" type="checkbox"/> Autopilot <input checked="" type="checkbox"/> Data Recorder <input checked="" type="checkbox"/> Electronic Flight Bag or Handheld Device <input type="checkbox"/> Electronic Multifunction Display <input type="checkbox"/> Electronic Primary Flight Display <input checked="" type="checkbox"/> Handheld GPS <input type="checkbox"/> Heads Up Display <input checked="" type="checkbox"/> Onboard Weather <input checked="" type="checkbox"/> Satellite Tracking Device <input type="checkbox"/> Stall Warning System <input type="checkbox"/> Video Recording Device <input type="checkbox"/> Other, Specify: _____

OWNER/OPERATOR INFORMATION		
Registered Aircraft Owner Name: <u>Slice of the 406, LLC</u> Fractional Ownership Aircraft: <input type="radio"/> Yes <input checked="" type="radio"/> No		City: <u>Helena</u> State: <u>MT</u> ZIP: <u>59601</u> Country: <u>USA</u>
Operator of Aircraft <input type="checkbox"/> Same As Registered Owner Name: <u>Dirt Dynamics, Inc.</u> Doing Business As: _____ Air Carrier/Operator Designator (4 Character Code): _____		<input type="checkbox"/> Same Address as Registered Owner City: <u>Fargo</u> State: <u>ND</u> ZIP: <u>58102</u> Country: <u>USA</u>
Operating Certificates Held <i>(Check all that apply)</i> <input checked="" type="checkbox"/> None <input type="checkbox"/> Flag Carrier Operating Certificate (FAR 121) <input type="checkbox"/> Supplemental <input type="checkbox"/> Air Cargo <input type="checkbox"/> Foreign Air Carriers (FAR 129) <input type="checkbox"/> Rotorcraft External Load (FAR 133) <input type="checkbox"/> Commuter Air Carrier (FAR 135) <input type="checkbox"/> On-Demand Air Taxi (FAR 135) <input type="checkbox"/> Commercial Air Tour (FAR 136) <input type="checkbox"/> Agricultural Aircraft (FAR 137) <input type="checkbox"/> Pilot School (FAR 141) <input type="checkbox"/> Certificate of Authorization or Waiver (COA) <input type="checkbox"/> Commercial Space Transportation Experimental Permit <input type="checkbox"/> Commercial Space Transportation License <input type="checkbox"/> Other Operator of Large Aircraft	Regulation Flight Conducted Under <input checked="" type="radio"/> FAR 91 <input type="radio"/> FAR 129 <input type="radio"/> FAR 415 <input type="radio"/> FAR 103 <input type="radio"/> FAR 133 <input type="radio"/> FAR 431 <input type="radio"/> FAR 121 <input type="radio"/> FAR 135 <input type="radio"/> FAR 435 <input type="radio"/> FAR 125 <input type="radio"/> FAR 137 <input type="radio"/> FAR 437 <input type="radio"/> FAR 91 Special Flight <input type="radio"/> Non-US, Commercial <input type="radio"/> Non-US, Non-commercial <input type="radio"/> Public Aircraft <i>(Select one)</i> <input type="radio"/> Armed Forces <input type="radio"/> Federal <input type="radio"/> State <input type="radio"/> Local <input type="radio"/> Unknown	Revenue Operation for FAR 121, 125, 129, 135 <i>(Select one for each group)</i> <input type="radio"/> Scheduled or Commuter <input type="radio"/> Domestic <input type="radio"/> Non-Scheduled or Air Taxi <input type="radio"/> International <input type="radio"/> Passenger <input type="radio"/> Cargo <input type="radio"/> Mail Contract Only
Revenue Sightseeing Flight <input type="radio"/> Yes <input checked="" type="radio"/> No	Air Medical Flight <input type="radio"/> Yes <input checked="" type="radio"/> No	Purpose of Flight for FAR 91, 103, 133, 137 <i>(Select one)</i> <input type="radio"/> Aerial Application <input type="radio"/> Firefighting <input type="radio"/> Unknown <input type="radio"/> Aerial Observation <input type="radio"/> Flight Test <input type="radio"/> Air Drop <input type="radio"/> Glider Tow <input type="radio"/> Air Race/Show <input type="radio"/> Instructional <input type="radio"/> Banner Tow <input type="radio"/> Other Work Use <input checked="" type="radio"/> Business <input type="radio"/> Personal <input type="radio"/> Executive/Corporate <input type="radio"/> Positioning <input type="radio"/> External Load <input type="radio"/> Skydiving <input type="radio"/> Ferry
AIRPORT INFORMATION (Fill in if accident/incident occurred on approach, landing, takeoff, departure, or within 3 miles of an airport)		
Airport Name: <u>Hector International</u> Airport Identifier: <u>KFAR</u> Proximity to Airport: <input type="radio"/> Off Airport/Airstrip <input checked="" type="radio"/> On Airport/Airstrip <input type="radio"/> N/A		Distance From Airport Center: <u>0</u> sm Direction From Airport: <u>0</u> degrees true Airport Elevation: <u>901</u> ft. msl
Runway Information Runway ID: <u>18</u> (L/R/C) Length: <u>9001</u> ft Width: <u>150</u> ft		Condition of Runway/Landing Surface <i>(Check all that apply)</i> <input type="checkbox"/> Dry <input type="checkbox"/> Snow-Compacted <input type="checkbox"/> Water-Calm <input type="checkbox"/> Holes <input type="checkbox"/> Snow-Crusted <input type="checkbox"/> Water-Choppy <input type="checkbox"/> Ice Covered <input type="checkbox"/> Snow-Dry <input type="checkbox"/> Water-Glassy <input type="checkbox"/> Rough <input type="checkbox"/> Snow-Wet <input checked="" type="checkbox"/> Wet <input type="checkbox"/> Rubber Deposits <input type="checkbox"/> Soft <input type="checkbox"/> Slush-Covered <input type="checkbox"/> Vegetation <input type="checkbox"/> Unknown
Runway/Landing Surface <i>(Check all that apply)</i> <input checked="" type="checkbox"/> Asphalt <input type="checkbox"/> Grass/Turf <input type="checkbox"/> Macadam <input type="checkbox"/> Water <input type="checkbox"/> Concrete <input type="checkbox"/> Gravel <input type="checkbox"/> Metal/Wood <input type="checkbox"/> Dirt <input type="checkbox"/> Ice <input type="checkbox"/> Snow <input type="checkbox"/> Unknown		
Approach/Departure Segment <i>(Select one)</i> <input type="radio"/> Taxi <input type="radio"/> VFR Departure <input type="radio"/> On Instrument Approach <input type="radio"/> Downwind <input type="radio"/> Low Approach <input type="radio"/> Takeoff <input type="radio"/> IFR Departure Procedure/Clearance <input type="radio"/> Landing <input type="radio"/> Base <input type="radio"/> Go Around <input type="radio"/> Initial Climb <input type="radio"/> Final <input type="radio"/> Aborted Landing (after touchdown) <input type="radio"/> Crosswind <input type="radio"/> Unknown		
IFR Approach <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> ADF/NDB <input type="checkbox"/> PAR <input type="checkbox"/> MLS <input type="checkbox"/> Practice <input type="checkbox"/> SDF <input type="checkbox"/> Sidestep <input type="checkbox"/> LDA <input type="checkbox"/> GPS <input type="checkbox"/> VOR/TVOR <input checked="" type="checkbox"/> ILS <input type="checkbox"/> ASR <input type="checkbox"/> VOR/DME <input type="checkbox"/> Localizer Only <input type="checkbox"/> Visual <input type="checkbox"/> TACAN <input type="checkbox"/> LOC-back course <input type="checkbox"/> Contact <input type="checkbox"/> RNAV <input type="checkbox"/> Circling <input type="checkbox"/> Unknown		VFR Approach <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> Traffic Pattern <input type="checkbox"/> Stop and Go <input type="checkbox"/> Straight-In <input type="checkbox"/> Touch and Go <input type="checkbox"/> Valley/Terrain Following <input type="checkbox"/> Simulated Forced Landing <input type="checkbox"/> Go Around <input type="checkbox"/> Forced Landing <input type="checkbox"/> Full Stop <input type="checkbox"/> Precautionary Landing <input type="checkbox"/> Unknown

"FLIGHT CREWMEMBER 2" INFORMATION																																																																																																				
"Flight Crewmember 2" Responsibilities at the Time of Accident/Incident <input type="radio"/> Pilot <input type="radio"/> Co-Pilot <input type="radio"/> Student Pilot <input type="radio"/> Flight Instructor <input type="radio"/> Check Pilot <input type="radio"/> Flight Engineer <input type="radio"/> Other Flight Crew																																																																																																				
"Flight Crewmember 2" was pilot flying <input type="checkbox"/> Yes <input type="checkbox"/> No																																																																																																				
"Flight Crewmember 2" Identification First Name: _____ City of Residence: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____ Age at time of Accident/Incident: _____ Date of Birth: _____ <i>mm/dd/yyyy</i> Certificate Number: _____																																																																																																				
Degree of Injury <input type="radio"/> None <input type="radio"/> Fatal <input type="radio"/> Minor <input type="radio"/> Unknown <input type="radio"/> Serious			Seat Occupied <input type="radio"/> Left <input type="radio"/> Front <input type="radio"/> Unknown <input type="radio"/> Right <input type="radio"/> Rear <input type="radio"/> Center <input type="radio"/> Single			Restraint Type Available <input type="radio"/> None <input type="radio"/> Lap only <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> Unknown			Used <input type="radio"/> None <input type="radio"/> Lap only <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> Unknown		Inflatable Restraints <input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown																																																																																									
Pilot Certificate(s) <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Commercial <input type="checkbox"/> US Military <input type="checkbox"/> Private <input type="checkbox"/> Recreational <input type="checkbox"/> Airline Transport <input type="checkbox"/> Foreign <input type="checkbox"/> Student <input type="checkbox"/> Sport <input type="checkbox"/> Flight Engineer					Medical Certificate Validity <input type="radio"/> Without limitations/waivers <input type="radio"/> Unknown <input type="radio"/> With limitations/waivers <input type="radio"/> N/A <input type="radio"/> Special Issuance			Date of Last Medical _____ <i>mm/dd/yyyy</i>																																																																																												
Principal Occupation <input type="radio"/> Pilot <input type="radio"/> Other <input type="radio"/> Unknown		Medical Certificate <input type="radio"/> None <input type="radio"/> Class 3 <input type="radio"/> Class 1 <input type="radio"/> Driver's License (Sport Pilot only) <input type="radio"/> Class 2 <input type="radio"/> Unknown			Medical Certificate Limitations 			Medical Certificate Special Issuance 																																																																																												
Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks: _____ <i>mm/dd/yyyy</i>					Flight Review Aircraft Make: _____ Model: _____																																																																																															
Airplane Rating(s) <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> Single-Engine Land <input type="checkbox"/> Single-Engine Sea <input type="checkbox"/> Multiengine Land <input type="checkbox"/> Multiengine Sea			Other Aircraft Rating(s) <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> Airship <input type="checkbox"/> Balloon <input type="checkbox"/> Glider <input type="checkbox"/> Gyroplane <input type="checkbox"/> Helicopter <input type="checkbox"/> Powered Lift			Instrument Rating(s) <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> Airplane <input type="checkbox"/> Helicopter <input type="checkbox"/> Powered Lift		Instructor Rating(s) <i>(Check all that apply)</i> <input type="checkbox"/> None <input type="checkbox"/> Airplane Single-Engine <input type="checkbox"/> Airplane Multi-Engine <input type="checkbox"/> Gyroplane <input type="checkbox"/> Powered Lift <input type="checkbox"/> Instrument Airplane <input type="checkbox"/> Instrument Helicopter <input type="checkbox"/> Helicopter <input type="checkbox"/> Glider <input type="checkbox"/> Sport																																																																																												
Type Ratings						Student Endorsements <i>(Include dates)</i>																																																																																														
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 20%;">Flight Time <i>(Enter appropriate number of hours in each box)</i></th> <th rowspan="2" style="width: 5%;">All Aircraft</th> <th rowspan="2" style="width: 5%;">This Make & Model</th> <th rowspan="2" style="width: 5%;">Airplane Single Engine</th> <th rowspan="2" style="width: 5%;">Airplane Multiengine</th> <th rowspan="2" style="width: 5%;">Night</th> <th colspan="2" style="width: 10%;">Instrument</th> <th rowspan="2" style="width: 5%;">Rotorcraft</th> <th rowspan="2" style="width: 5%;">Glider</th> <th rowspan="2" style="width: 5%;">Lighter Than Air</th> </tr> <tr> <th>Actual</th> <th>Simulated</th> </tr> </thead> <tbody> <tr> <td>Total Time</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Pilot in Command (PIC)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Time as Instructor</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>This Make/Model</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 90 Days</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 30 Days</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 24 Hours</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>											Flight Time <i>(Enter appropriate number of hours in each box)</i>	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air	Actual	Simulated	Total Time											Pilot in Command (PIC)											Time as Instructor											This Make/Model											Last 90 Days											Last 30 Days											Last 24 Hours										
Flight Time <i>(Enter appropriate number of hours in each box)</i>	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air																																																																																										
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Last 24 Hours																																																																																																				

ADDITIONAL FLIGHT CREWMEMBERS (Exclusive of cabin crew, complete the following information)

Crew Name and Address		Seat Occupied	Injury
First Name: _____ City of Residence: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		<input type="radio"/> Left <input type="radio"/> Front <input type="radio"/> Center <input type="radio"/> Rear <input type="radio"/> Right <input type="radio"/> Single <input type="radio"/> Unknown	<input type="radio"/> None <input type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown
Pilot Certificate(s) (Check all that apply) <input type="checkbox"/> None <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Commercial <input type="checkbox"/> US Military <input type="checkbox"/> Private <input type="checkbox"/> Recreational <input type="checkbox"/> Airline Transport <input type="checkbox"/> Foreign <input type="checkbox"/> Student <input type="checkbox"/> Sport <input type="checkbox"/> Flight Engineer		Restraint Type: Available Used <input type="radio"/> None <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown	Inflatable Restraints <input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown
Type Rating/Endorsement for Accident/Incident Aircraft? <input type="checkbox"/> Yes <input type="checkbox"/> No		Total Flight Time at the Time of this Accident/Incident: _____ hrs	

Crew Name and Address		Seat Occupied	Injury
First Name: _____ City of Residence: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		<input type="radio"/> Left <input type="radio"/> Front <input type="radio"/> Center <input type="radio"/> Rear <input type="radio"/> Right <input type="radio"/> Single <input type="radio"/> Unknown	<input type="radio"/> None <input type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown
Pilot Certificate(s) (Check all that apply) <input type="checkbox"/> None <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Commercial <input type="checkbox"/> US Military <input type="checkbox"/> Private <input type="checkbox"/> Recreational <input type="checkbox"/> Airline Transport <input type="checkbox"/> Foreign <input type="checkbox"/> Student <input type="checkbox"/> Sport <input type="checkbox"/> Flight Engineer		Restraint Type: Available Used <input type="radio"/> None <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown	Inflatable Restraints <input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown
Type Rating/Endorsement for Accident/Incident Aircraft? <input type="checkbox"/> Yes <input type="checkbox"/> No		Total Flight Time at the Time of this Accident/Incident: _____ hrs	

PASSENGER(S) / OTHER PERSONNEL (Include cabin crew; continue on separate sheet if necessary)

Name and Address	Seat	Injury	Restraint Type	Inflatable Restraints	Age
First Name: <u>Andrew</u> City: <u>Moorhead</u> Middle Initial: <u>M</u> State: <u>MN</u> ZIP: <u>56560</u> Last Name: <u>Skatvold</u> Country: <u>USA</u> <input checked="" type="radio"/> Crew <input type="radio"/> Passenger <input type="radio"/> Other	<input checked="" type="radio"/> Left <input type="radio"/> Center <input type="radio"/> Right <input type="radio"/> Unknown Row: <u>1</u>	<input checked="" type="radio"/> None <input type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown	Available Used <input type="radio"/> None <input type="radio"/> None <input type="radio"/> Lap Only <input checked="" type="radio"/> Lap Only <input checked="" type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown	<input checked="" type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown	<input type="checkbox"/> Under 5 years If Under 5, <input type="radio"/> Child Restraint <input type="radio"/> Lap-Held <input type="radio"/> Unknown
First Name: <u>Don</u> City: <u>Fargo</u> Middle Initial: _____ State: <u>ND</u> ZIP: <u>58102</u> Last Name: <u>Dabbert</u> Country: <u>USA</u> <input type="radio"/> Crew <input checked="" type="radio"/> Passenger <input type="radio"/> Other	<input type="radio"/> Left <input type="radio"/> Center <input checked="" type="radio"/> Right <input type="radio"/> Unknown Row: <u>1</u>	<input checked="" type="radio"/> None <input type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown	Available Used <input type="radio"/> None <input type="radio"/> None <input type="radio"/> Lap Only <input checked="" type="radio"/> Lap Only <input checked="" type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown	<input checked="" type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown	<input type="checkbox"/> Under 5 years If Under 5, <input type="radio"/> Child Restraint <input type="radio"/> Lap-Held <input type="radio"/> Unknown
First Name: <u>John</u> City: <u>Fargo</u> Middle Initial: _____ State: <u>ND</u> ZIP: <u>58102</u> Last Name: <u>Koerselman</u> Country: <u>USA</u> <input type="radio"/> Crew <input checked="" type="radio"/> Passenger <input type="radio"/> Other	<input type="radio"/> Left <input type="radio"/> Center <input type="radio"/> Right <input checked="" type="radio"/> Unknown Row: _____	<input type="radio"/> None <input checked="" type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown	Available Used <input type="radio"/> None <input type="radio"/> None <input checked="" type="radio"/> Lap Only <input checked="" type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown	<input checked="" type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown	<input type="checkbox"/> Under 5 years If Under 5, <input type="radio"/> Child Restraint <input type="radio"/> Lap-Held <input type="radio"/> Unknown
First Name: <u>Tyrone</u> City: <u>Fargo</u> Middle Initial: _____ State: <u>ND</u> ZIP: <u>58103</u> Last Name: <u>Leslie</u> Country: <u>USA</u> <input type="radio"/> Crew <input checked="" type="radio"/> Passenger <input type="radio"/> Other	<input type="radio"/> Left <input type="radio"/> Center <input type="radio"/> Right <input checked="" type="radio"/> Unknown Row: _____	<input checked="" type="radio"/> None <input type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown	Available Used <input type="radio"/> None <input type="radio"/> None <input checked="" type="radio"/> Lap Only <input checked="" type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown	<input checked="" type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown	<input type="checkbox"/> Under 5 years If Under 5, <input type="radio"/> Child Restraint <input type="radio"/> Lap-Held <input type="radio"/> Unknown

FLIGHT ITINERARY INFORMATION			
Last Departure Point Airport ID: <u>KISN</u> City: <u>Williston</u> State: <u>ND</u> Country: <u>USA</u>		Time of Departure Time: <u>12:50</u> Time Zone: <u>Central</u>	
Destination Airport ID: <u>KFAR</u> City: <u>Fargo</u> State: <u>ND</u> Country: <u>USA</u>		Type Flight Plan Filed <input type="radio"/> None <input type="radio"/> VFR/IFR <input type="radio"/> Company VFR <input checked="" type="radio"/> IFR <input type="radio"/> Military VFR <input type="radio"/> Unknown <input type="radio"/> VFR Activated? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	
Type of ATC Clearance/Service (Check all that apply) <input type="checkbox"/> None <input type="checkbox"/> Special VFR <input type="checkbox"/> Special IFR <input type="checkbox"/> VFR Flight Following <input type="checkbox"/> Cruise <input type="checkbox"/> VFR <input checked="" type="checkbox"/> IFR <input type="checkbox"/> VFR On Top <input type="checkbox"/> Traffic Advisory <input type="checkbox"/> Unknown / NA			
Airspace where the accident/incident occurred (Check all that apply) <input type="checkbox"/> Class A <input type="checkbox"/> Class G <input type="checkbox"/> Military Operations Area (MOA) <input type="checkbox"/> Special <input type="checkbox"/> Class B <input type="checkbox"/> Demo Area <input type="checkbox"/> Airport Advisory Area <input type="checkbox"/> Air Traffic Control Area <input type="checkbox"/> Class C <input type="checkbox"/> Warning Area <input type="checkbox"/> Jet Training Area <input type="checkbox"/> Unknown <input type="checkbox"/> Class D <input type="checkbox"/> Prohibited Area <input checked="" type="checkbox"/> TRSA <input type="checkbox"/> Class E <input type="checkbox"/> Restricted Area <input type="checkbox"/> FAR 93			Altitude of In-Flight Occurrence: _____ ft msl
WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE			
Source of Pilot Weather Information (Check all that apply) <input type="checkbox"/> National Weather Service <input type="checkbox"/> Company <input type="checkbox"/> Flight Service Station <input type="checkbox"/> Military <input type="checkbox"/> TV/Radio <input checked="" type="checkbox"/> Internet <input checked="" type="checkbox"/> Automated Report <input type="checkbox"/> None <input type="checkbox"/> Commercial Weather Service (DUATS) <input type="checkbox"/> Unknown <input type="checkbox"/> On-Board Weather		Weather Observation Facility Facility ID: <u>KFAR</u> Observation Time: <u>1:45</u> Time Zone: <u>Central</u> Distance from Accident Site: <u>30</u> nm Direction from Accident Site: <u>270</u> degrees true	
Basic Conditions <input type="radio"/> VMC <input checked="" type="radio"/> IMC <input type="radio"/> Unknown		Light Condition <input type="radio"/> Dawn <input type="radio"/> Dusk <input type="radio"/> Dark Night <input type="radio"/> Unknown <input checked="" type="radio"/> Day <input type="radio"/> Night <input type="radio"/> Bright Night	
Sky/Lowest Cloud Condition <input type="radio"/> Clear <input type="radio"/> Thin Broken <input type="radio"/> Few <input type="radio"/> Thin Overcast <input type="radio"/> Partial Obscuration <input type="radio"/> Unknown <input type="radio"/> Scattered		Temperature: _____ (C) or <u>28</u> (F) Dew Point: _____ (C) or _____ (F) Altimeter Setting: _____ in. Hg or _____ MB	
Lowest Cloud Condition Height <u>400</u> ft agl		Ceiling <input type="radio"/> None (Clear) <input type="radio"/> Obscured <input type="radio"/> Broken <input type="radio"/> Indefinite <input checked="" type="radio"/> Overcast <input type="radio"/> Unknown	
Ceiling Height <u>400</u> ft agl			
Wind Direction <input type="checkbox"/> Variable -or- Direction: <u>160</u> degrees true		Wind Speed <input type="checkbox"/> Calm <input type="checkbox"/> Light and Variable -or- Speed: <u>8</u> kts	
Wind Gusts <input checked="" type="checkbox"/> Not Gusting -or- Speed: _____ kts		Visibility <u>4</u> miles RVR: _____ feet RVV: _____ miles Density Altitude: _____ ft	
Intensity of Precipitation <input checked="" type="radio"/> Light <input type="radio"/> Moderate <input type="radio"/> Heavy <input type="radio"/> N/A <input type="radio"/> Unknown		Type of Precipitation (Check all that apply) <input type="checkbox"/> None <input type="checkbox"/> Drizzle <input checked="" type="checkbox"/> Freezing Rain <input type="checkbox"/> Rain <input type="checkbox"/> Ice Pellets <input type="checkbox"/> Snow Shower <input type="checkbox"/> Snow <input type="checkbox"/> Snow Pellets <input type="checkbox"/> Ice Pellets Shower <input type="checkbox"/> Hail <input type="checkbox"/> Snow Grains <input type="checkbox"/> Freezing Drizzle <input type="checkbox"/> Rain Showers <input type="checkbox"/> Ice Crystals	
Restriction to Visibility (Check all that apply) <input checked="" type="checkbox"/> None <input type="checkbox"/> Fog <input type="checkbox"/> Blowing Dust <input type="checkbox"/> Ground Fog <input type="checkbox"/> Blowing Sand <input type="checkbox"/> Haze <input type="checkbox"/> Blowing Snow <input type="checkbox"/> Ice Fog <input type="checkbox"/> Blowing Spray <input type="checkbox"/> Smoke <input type="checkbox"/> Dust <input type="checkbox"/> Unknown			
Icing Forecast Amount Type <input type="radio"/> None <input checked="" type="radio"/> N/A <input type="radio"/> Trace <input type="radio"/> Rime <input type="radio"/> Light <input type="radio"/> Clear <input checked="" type="radio"/> Moderate <input type="radio"/> Mixed <input type="radio"/> Severe <input type="radio"/> Unknown <input type="radio"/> Unknown		Icing Actual Amount Type <input type="radio"/> None <input type="radio"/> N/A <input type="radio"/> Trace <input type="radio"/> Rime <input type="radio"/> Light <input type="radio"/> Clear <input type="radio"/> Moderate <input checked="" type="radio"/> Mixed <input checked="" type="radio"/> Severe <input type="radio"/> Unknown <input type="radio"/> Unknown	
Turbulence Type (Check all that apply) <input checked="" type="checkbox"/> None <input type="checkbox"/> Light <input type="checkbox"/> Clear Air <input type="checkbox"/> Moderate <input type="checkbox"/> Terrain-Induced <input type="checkbox"/> Severe <input type="checkbox"/> Convective Turbulence <input type="checkbox"/> Extreme			
NOTAMS (D and FDC), AIRMETS, SIGMETs, PIREPs in effect at the time of the accident/incident: Icing Airmet for moderate icing			

DAMAGE TO AIRCRAFT AND OTHER PROPERTY**Aircraft Damage**

- None Substantial
 Minor Destroyed
 Unknown

Aircraft Fire

- None Both Ground and In-Flight
 In-Flight Fire at Unknown Time
 On-Ground Unknown

Aircraft Explosion

- None Both Ground and In-Flight
 In-Flight Explosion at Unknown Time
 On-Ground Unknown

Description of Damage to Aircraft and Other Property *(Use additional sheet if necessary)*

nose radome damage, and nose gear collapse causing pressure vessel damage, right wing tip bent, left main gear collapse and damage to left wing from gear.

NARRATIVE HISTORY OF FLIGHT *(Please type or print in ink)*

Describe what occurred in chronological order, including circumstances leading to and nature of accident/incident. Describe terrain and include wreckage distribution sketch if pertinent. Attach extra sheets if needed. State departure time and location, services obtained, and intended destination. Provide as much detail as possible.

Approximately 15 minutes before flight weather was obtained electronically for both destination and alternate, airplane preflight was made, passengers arrived and bags loaded, flight briefing was made to passengers, normal taxi and VFR take off approximately 12:50 pm Central time from KISN, IFR flight plan was obtained from Salt Lake Center, cleared direct as filed, normal cruise. Approximately 100 NM to destination weather was obtained from automatic weather and again approximately 30 NM from destination. Cleared for the ILS 18 approach received vectors, approach check list was completed and icing equipment activated, started to descend to 2500', Approximately 160kts, entered clouds at 3100 feet, approximately 10 NM from destination, some ice started to accumulate on wings, de ice boots activated, turned inbound to establish on the localizer and glideslope, switch to tower, cleared to land. approximately 140kts, landing checklist complete, de ice boots activated several times on approach, slowed to 120kts for final approach, exited clouds at 400' agl just right of centerline, airport and runway in sight, autopilot and yaw damp off, corrected to the left to line up with centerline of runway, 120kts over airport fence, all indications are normal for landing, approximately 100'agl aircraft starts to pull to the right, left correction inputs are not working, aircraft continues pulling to the right, engines increased to go around power, aircraft lands just right of rwy 18 in grass, engine cutoff, battery off, Emergency evacuation through main cabin door. All passengers clear of aircraft and ok, quick look over aircraft, no fire, no smoke. I entered aircraft to call tower about our status and emergency crews, main power on, engine heat off, call to tower, main power off, wait for ground crews, made sure passengers were taken to Fargo Jet center and made call to NTSB. walk around of aircraft afterwards and noticed ice on all leading edges except left wing. also noticed 1.5 inches of ice around AOA indicator.

RECOMMENDATION (How could this accident/incident have been prevented?)

Operator/Owner Safety Recommendation

more airspeed and trying to recognize an equipment failure.

MECHANICAL MALFUNCTION/FAILURE (If more space is needed, continue on separate sheet)Was there Mechanical Malfunction/Failure? Yes No
(If yes, list the name of the part, manufacturer, part no., serial no., and describe the failure.)

AOA indicator failed or was overcome by severe icing, Potential pitot tube heat failure or overcome by server icing but part was damaged in accident.

Total Time/Cycles
On Part____ Hours
____ CyclesTime Since This Part
Inspected/Overhauled

____ Hours

FUEL & SERVICES INFORMATIONFuel on Board at Last Takeoff
(Convert from pounds, as necessary)

475 _____ Gallons

Fuel Type

-
- 80/87
-
- 115/145
-
- Jet B
-
- Other, specify _____
-
-
- 100 Low Lead
-
- Jet A
-
- JP8
-
-
- 100/130
-
- Jet A-1
-
- Automotive

Other Services, if Any, Prior to Departure

hangar

EVACUATION OF AIRCRAFTWas an emergency evacuation of the aircraft performed? Yes No

Method of Exit – Describe how the occupants exited and how many occupants evacuated each location

all passengers exited the main cabin door.

OTHER AIRCRAFT – COLLISION (If air or ground collision occurred, complete this section for other aircraft)

Aircraft Registration Number

Manufacturer: _____

Model: _____

Damage to Other Aircraft

-
- Destroyed
-
- Minor
-
-
- Substantial
-
- None

Registered Owner of Other Aircraft

Name: _____

City: _____

State: _____ ZIP: _____

Country: _____

Pilot of Other Aircraft

Name: _____

City: _____

State: _____ ZIP: _____

Country: _____


ADDITIONAL INFORMATION (Please type or print in ink)

Use this space if additional space is needed for any answers.

Additional passenger info: all of Fargo, ND 58103 USA, unknown location in cabin, all lap belts

- 5. Dawn Cruff
- 6. Darrick Guthmiller
- 7. Tom Spaeth
- 8. Dustin Murray
- 9. Sami Eidenschink
- 10. Mackenzie Ste. Marie
- 11. Bryce Johnson

I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

Date of this Report <u>12/07/2018</u> <i>mm/dd/yyyy</i>	Name of Pilot/Operator: Andrew Skatvold Signature:  -- or -- <input type="checkbox"/> Check here to electronically sign this document
---	--

If a Person Other than Pilot/Operator is Filing Report

Name: _____ Title: _____
Signature: _____
-- or -- Check here to electronically sign this document

FOR NTSB USE ONLY

NTSB Accident/Incident No. CEN19LA039	Reviewed by NTSB Regional Office CEN	Name of Investigator SILLIMAN	Date Report Received 12/10/18
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