



# Aviation Investigation Factual Report

<b>Location:</b>	Grand Forks, North Dakota	<b>Accident Number:</b>	CEN09CA156
<b>Date &amp; Time:</b>	December 5, 2008, 13:38 Local	<b>Registration:</b>	N51RF
<b>Aircraft:</b>	ROCKWELL INTERNATIONAL 500-S	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Landing gear not configured	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Public aircraft		

## Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	38,Male
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	Yes
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 With waivers/limitations	<b>Last FAA Medical Exam:</b>	January 18, 2008
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	June 6, 2008
<b>Flight Time:</b>	1096 hours (Total, all aircraft), 587 hours (Total, this make and model)		

## Co-pilot Information

<b>Certificate:</b>	Commercial; Private	<b>Age:</b>	31,Male
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Right
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	Yes
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 With waivers/limitations	<b>Last FAA Medical Exam:</b>	September 11, 2008
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	269 hours (Total, all aircraft), 53 hours (Total, this make and model)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	ROCKWELL INTERNATIONAL	<b>Registration:</b>	N51RF
<b>Model/Series:</b>	500-S	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal; Utility	<b>Serial Number:</b>	3298
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	7
<b>Date/Type of Last Inspection:</b>	December 3, 2008 100 hour	<b>Certified Max Gross Wt.:</b>	
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	2 Reciprocating
<b>Airframe Total Time:</b>	10586 Hrs at time of accident	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	TIO-540 SER
<b>Registered Owner:</b>	UNITED STATES DEPARTMENT OF COMMERCE	<b>Rated Power:</b>	310 Horsepower
<b>Operator:</b>	UNITED STATES DEPARTMENT OF COMMERCE	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Instrument (IMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	GFK, 845 ft msl	<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>	13:25 Local	<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Thin Overcast	<b>Visibility</b>	1 miles
<b>Lowest Ceiling:</b>	Overcast / 800 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	12 knots / None	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	200°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29.57 inches Hg	<b>Temperature/Dew Point:</b>	-6°C / -8°C
<b>Precipitation and Obscuration:</b>	Light - Blowing - Snow		
<b>Departure Point:</b>	Fargo, ND (FAR )	<b>Type of Flight Plan Filed:</b>	IFR
<b>Destination:</b>	Grand Forks, ND (GFK )	<b>Type of Clearance:</b>	IFR
<b>Departure Time:</b>	12:55 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	Grand Forks International Airp GFK	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	845 ft msl	<b>Runway Surface Condition:</b>	Unknown
<b>Runway Used:</b>	17R	<b>IFR Approach:</b>	LOC-backcourse
<b>Runway Length/Width:</b>	7351 ft / 150 ft	<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	2 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	N/A	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	47.949165,-97.176109

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Brannen, John
<b>Additional Participating Persons:</b>	Verle Addison; FAA-Fargo FSDO; Fargo, ND
<b>Report Date:</b>	June 15, 2009
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=73329">https://data.nts.gov/Docket?ProjectID=73329</a>

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