

Flight Summary – N7343L

5/30/2023

Date: 30-May-2023

Accident Time: 7:44am CDT

Aircraft: N7343L, operated by Air Dakota Flite Inc, a North Dakota contractor.

Vendor: Piper Aircraft Corporation

Make: PA-18

Serial #: 18-7509049

Pilot: James Lindquist, Contractor

Crewmember: Brent Ternes, USDA APHIS WS – ND Employee

The pilot departed Hettinger Municipal Airport (HEI) at 4:39am CDT heading northeast. The aircraft landed at Mandan Regional Airport (Y19) at 5:44am CDT. Elapsed flight time was 1 hour and 6 minutes.

The aircraft departed Mandan Regional Airport at 5:46am CDT to conduct predator control operations to the south. The aircraft encountered issues and crash landed at 7:44am CDT. Elapsed flight time was 1 hour and 58 minutes.

The pilot and the gunner were not seriously injured.

Flight Summary – N7343L

5/30/2023

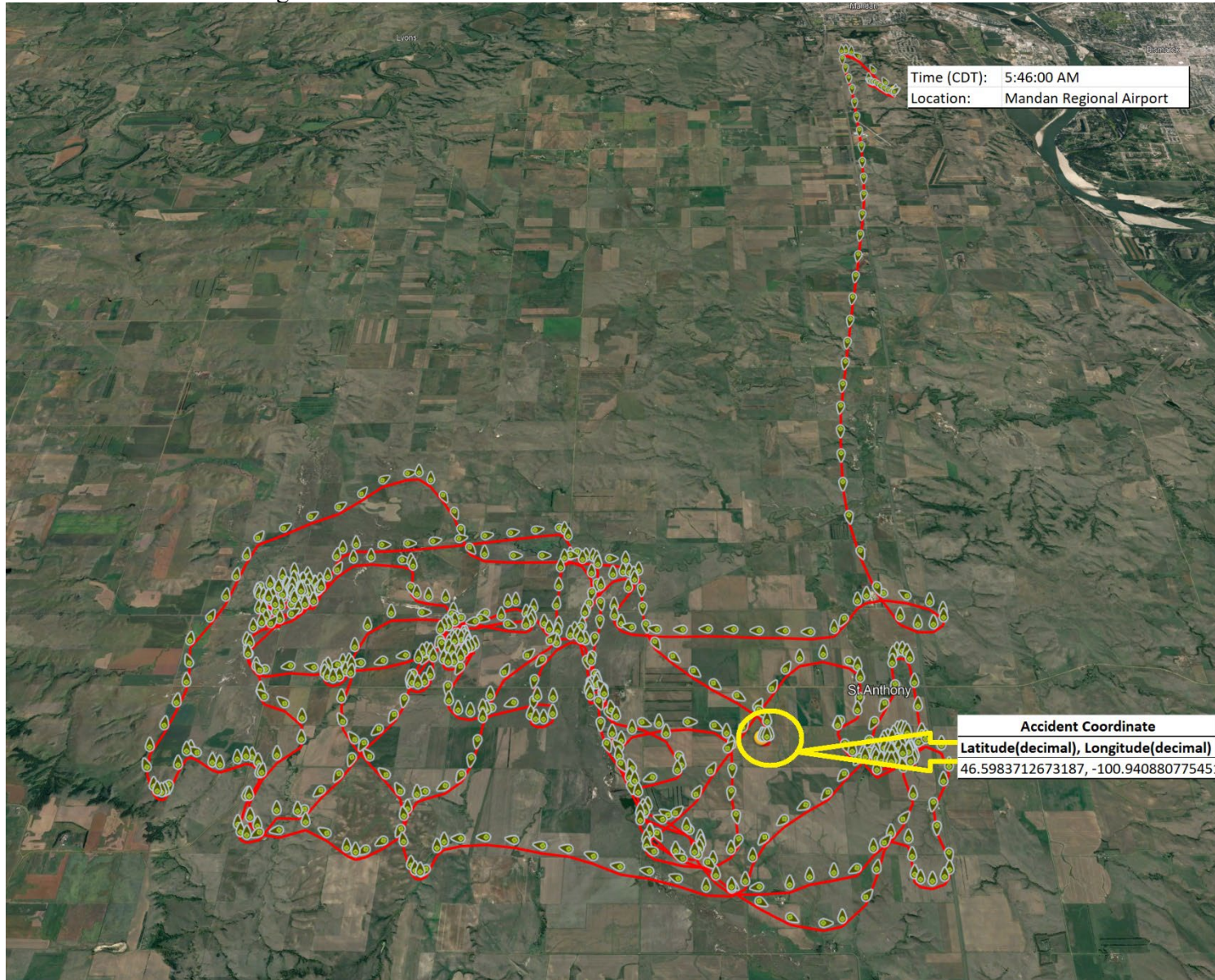
Here is a visual of the last 6 coordinate recorded from the Spider X tracker:



Flight Summary – N7343L

5/30/2023

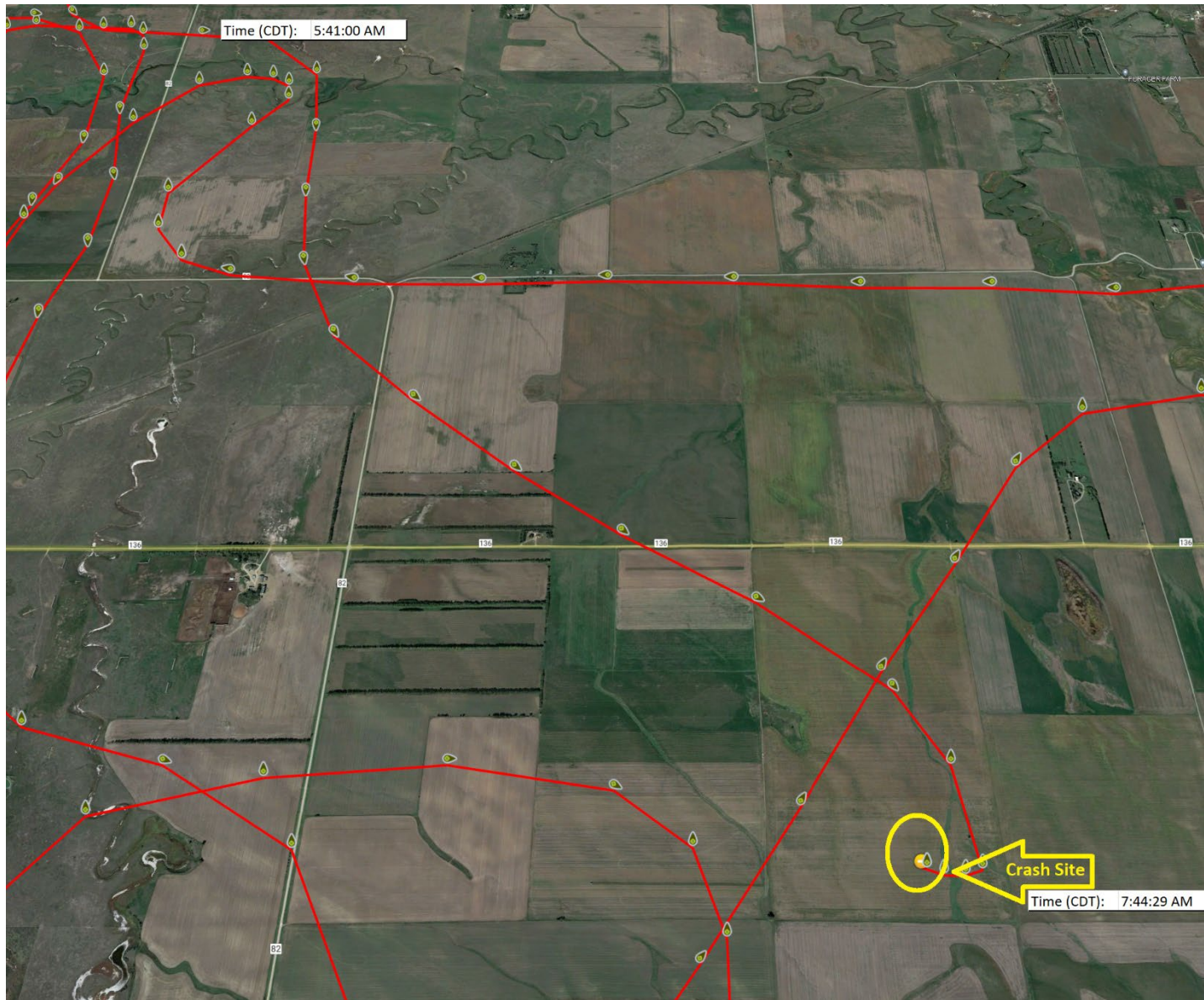
Here is full view of the flight track:



Flight Summary – N7343L

5/30/2023

This illustration shows the last 3 minutes of the flight:



Flight Summary – N7343L

5/30/2023

Here is the corresponding flight data received from the Spider X:

Aircraft	Point	Date	Time (CDT)	Speed(mi/h)	Bearing	PointType	Latitude(decimal)	Longitude(decimal)	Altitude(ft)	Ground Elevation (ft)	AGL (ft)
N7343L - ND	642	5/30/23	7:40:19 AM	63	82	NORMAL	46.63729548	-100.9899545	1890	1766	124
N7343L - ND	643	5/30/23	7:40:34 AM	61	103	NORMAL	46.63790703	-100.9845901	1874	1762	112
N7343L - ND	644	5/30/23	7:40:38 AM	61	134	NORMAL	46.6374135	-100.9833884	1864	1764	100
N7343L - ND	645	5/30/23	7:40:44 AM	58	165	NORMAL	46.63616896	-100.9824443	1867	1763	104
N7343L - ND	646	5/30/23	7:40:59 AM	61	142	NORMAL	46.63291812	-100.9801912	1867	1760	107
N7343L - ND	647	5/30/23	7:41:06 AM	63	111	NORMAL	46.63193107	-100.9781742	1864	1753	111
N7343L - ND	648	5/30/23	7:41:21 AM	60	89	NORMAL	46.63167357	-100.9729171	1857	1754	103
N7343L - ND	649	5/30/23	7:41:32 AM	57	122	NORMAL	46.63120151	-100.9693122	1871	1759	112
N7343L - ND	650	5/30/23	7:41:45 AM	57	153	NORMAL	46.6291523	-100.966351	1857	1761	96
N7343L - ND	651	5/30/23	7:42:00 AM	60	177	NORMAL	46.62570834	-100.9655786	1877	1764	113
N7343L - ND	652	5/30/23	7:42:15 AM	60	176	NORMAL	46.62207127	-100.9652352	1887	1781	106
N7343L - ND	653	5/30/23	7:42:30 AM	58	165	NORMAL	46.61853075	-100.9645057	1903	1781	122
N7343L - ND	654	5/30/23	7:42:45 AM	60	152	NORMAL	46.61527991	-100.9625316	1903	1786	117
N7343L - ND	655	5/30/23	7:43:00 AM	67	129	NORMAL	46.6125226	-100.958755	1917	1795	122
N7343L - ND	656	5/30/23	7:43:15 AM	63	132	NORMAL	46.60992622	-100.9545064	1917	1809	108
N7343L - ND	657	5/30/23	7:43:30 AM	64	127	NORMAL	46.6076088	-100.9503651	1936	1829	107
N7343L - ND	658	5/30/23	7:43:45 AM	67	124	NORMAL	46.60532355	-100.9456229	1959	1848	111
N7343L - ND	659	5/30/23	7:44:00 AM	64	142	NORMAL	46.60283446	-100.9412456	1956	1869	87
N7343L - ND	660	5/30/23	7:44:10 AM	58	177	NORMAL	46.60069942	-100.939765	1985	1895	90
N7343L - ND	661	5/30/23	7:44:23 AM	48	226	NORMAL	46.5978992	-100.9395075	2054	1932	122
N7343L - ND	662	5/30/23	7:44:25 AM	49	269	NORMAL	46.59779191	-100.9400225	2051	1948	103
N7343L - ND	663	5/30/23	7:44:27 AM	58	307	NORMAL	46.59795284	-100.9405589	2018	1954	64
N7343L - ND	664	5/30/23	7:44:29 AM	65	353	NORMAL	46.59837127	-100.9408808	1956	1946	10
N7343L - ND	665	5/30/23	7:44:29 AM	65	353	NORMAL	46.59837127	-100.9408808	1956	1946	10
N7343L - ND	666	5/30/23	7:44:32 AM	3	321	SLOW_DOWN	46.59862876	-100.9409022	1907	1938	-31

Weather observations recorded at the time of the accident indicated favorable weather conditions:

Current Location: Bismarck ND (Lat:46.8054 Lon:-100.7797)



Weather observations for the past three days

Bismarck, Bismarck Municipal Airport



Enter Your "City, ST" or zip code

Go

metric

Date	Time (cdt)	Wind (mph)	Vis. (mi.)	Weather	Sky Cond.	Temperature (°F)				Relative Humidity	Wind Chill (°F)	Heat Index (°F)	Pressure		Precipitation (in.)		
						Air	Dwpt	6 hour					altimeter (in)	sea level (mb)	1 hr	3 hr	6 hr
								Max.	Min.								
30	09:52	SW 6	10.00	Fair	CLR	69	60			73%	NA	NA	29.80	1008.6			
30	08:52	Calm	10.00	Fair	CLR	64	58			81%	NA	NA	29.80	1009.0			
30	07:52	Calm	10.00	Fair	CLR	59	56			90%	NA	NA	29.80	1009.1			
30	06:52	Calm	8.00	Fair	CLR	53	53	57	52	100%	NA	NA	29.78	1008.6			
30	05:52	Calm	2.50	Fog/Mist	CLR	53	52			96%	NA	NA	29.77	1008.1			
30	04:52	Calm	3.00	Fog/Mist	CLR	53	52			96%	NA	NA	29.76	1007.0			
30	03:52	Calm	10.00	Fair	CLR	55	54			96%	NA	NA	29.76	1007.2			
30	02:52	Calm	8.00	A Few Clouds	FEW080	54	53			97%	NA	NA	29.76	1007.1			
30	01:52	Calm	10.00	Fair	CLR	56	55			97%	NA	NA	29.74	1006.6			
30	00:52	Calm	10.00	Fair	CLR	57	56	63	56	96%	NA	NA	29.76	1007.3			0.11

Flight Summary – N7343L

5/30/2023

46.8 °N, 100.79 °W

Bismarck, ND Weather History

 66° **BISMARCK MUNICIPAL AIRPORT STATION** | [CHANGE](#) 

TODAY

HOURLY

10-DAY

CALENDAR

HISTORY

WUNDERMAP

Daily

Weekly

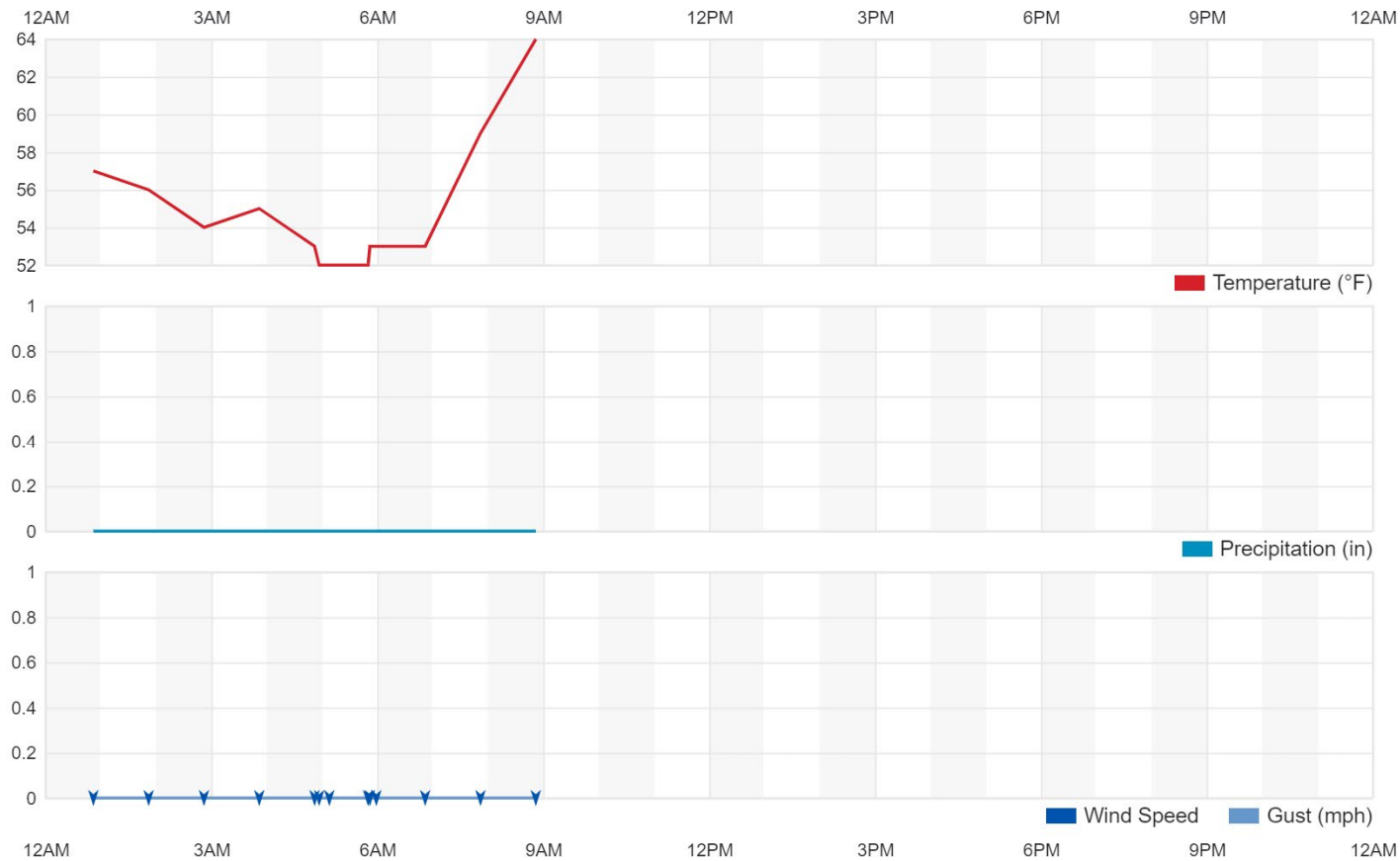
Monthly

May

30

2023

View



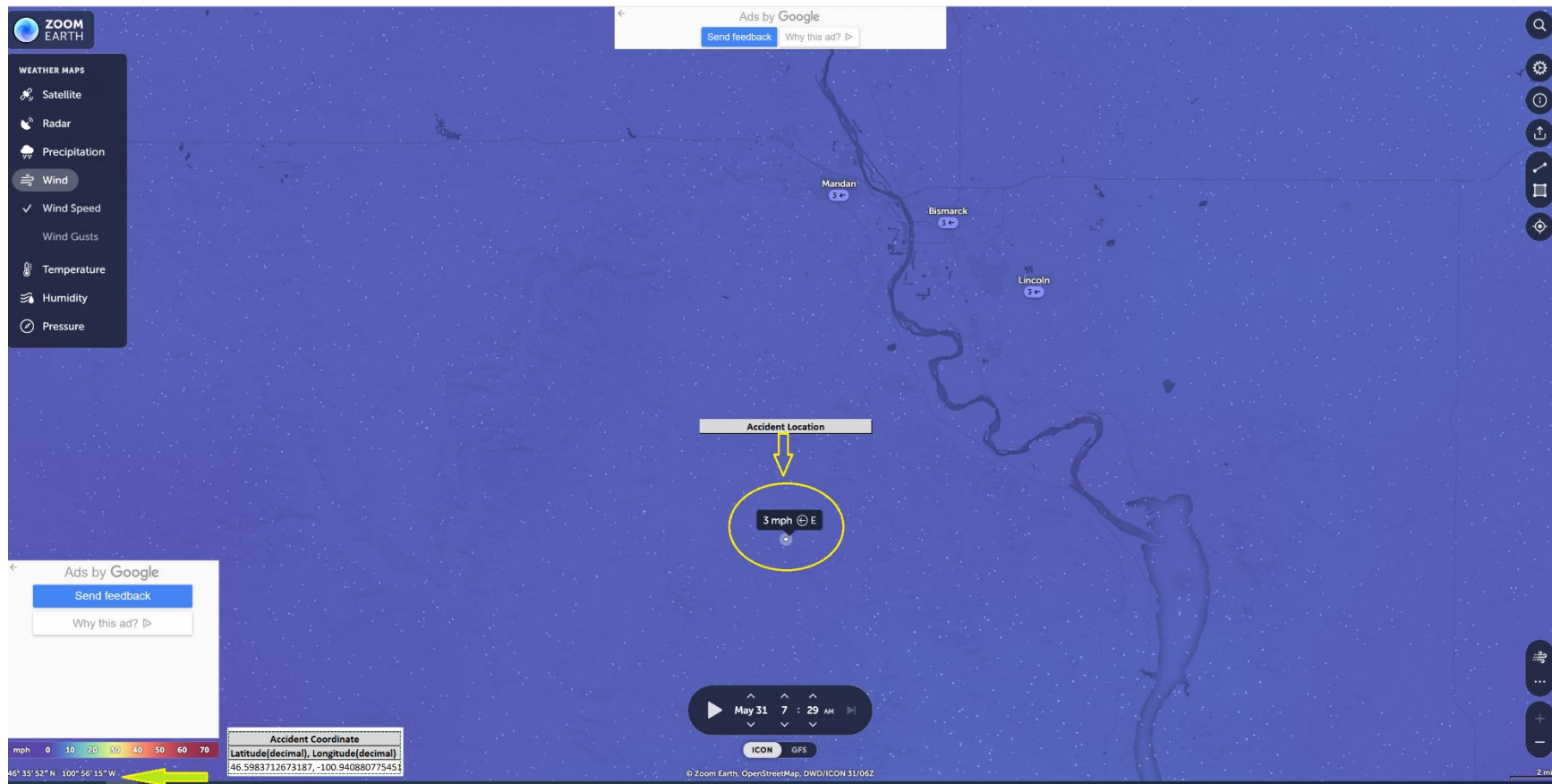
Summary

Temperature (°F)	Actual	Historic Avg.	Record	▲
High Temp	64	73.3	102	
Low Temp	52	48.1	27	
Day Average Temp	54.85	60.7	-	
Precipitation (in)	Actual	Historic Avg.	Record	▲
Precipitation (past 24 hours from 11:52:00)	0.31	4.80	-	
Dew Point (°F)	Actual	Historic Avg.	Record	▲
Dew Point	53.69	-	-	
High	58	-	-	
Low	52	-	-	
Average	53.69	-	-	
Wind (mph)	Actual	Historic Avg.	Record	▲
Max Wind Speed	0	-	-	
Visibility	10	-	-	
Sea Level Pressure (in)	Actual	Historic Avg.	Record	▲
Sea Level Pressure	28.05	-	-	
Astronomy	Day Length	Rise	Set	▲
Actual Time	15h 32m	5:55 AM	9:28 PM	
Civil Twilight		5:17 AM	10:06 PM	
Nautical Twilight		4:27 AM	10:57 PM	
Astronomical Twilight		3:19 AM	12:04 AM	
Moon: waxing gibbous		4:33 PM	3:42 AM	

Daily Observations

Time	Temperature	Dew Point	Humidity	Wind	Wind Speed	Wind Gust	Pressure	Precip.	Condition
12:52 AM	57 °F	56 °F	96 %	CALM	0 mph	0 mph	28.02 in	0.0 in	Fair
1:52 AM	56 °F	55 °F	97 %	CALM	0 mph	0 mph	28.00 in	0.0 in	Fair
2:52 AM	54 °F	53 °F	97 %	CALM	0 mph	0 mph	28.02 in	0.0 in	Fair
3:52 AM	55 °F	54 °F	96 %	CALM	0 mph	0 mph	28.02 in	0.0 in	Fair
4:52 AM	53 °F	52 °F	96 %	CALM	0 mph	0 mph	28.02 in	0.0 in	Fair
4:57 AM	52 °F	52 °F	100 %	CALM	0 mph	0 mph	28.02 in	0.0 in	Fog
5:08 AM	52 °F	52 °F	100 %	CALM	0 mph	0 mph	28.02 in	0.0 in	Fair
5:50 AM	52 °F	52 °F	100 %	CALM	0 mph	0 mph	28.03 in	0.0 in	Fog
5:52 AM	53 °F	52 °F	96 %	CALM	0 mph	0 mph	28.03 in	0.0 in	Fog
5:59 AM	53 °F	53 °F	100 %	CALM	0 mph	0 mph	28.03 in	0.0 in	Fair
6:52 AM	53 °F	53 °F	100 %	CALM	0 mph	0 mph	28.04 in	0.0 in	Fair
7:52 AM	59 °F	56 °F	90 %	CALM	0 mph	0 mph	28.05 in	0.0 in	Fair
8:52 AM	64 °F	58 °F	80 %	CALM	0 mph	0 mph	28.05 in	0.0 in	Fair

ZoomEarth confirmed that surface winds at the time of the accident were approximately 3 mph out of the northeast:



Flight Summary – N7343L

5/30/2023

N7343L flew a little over 200 hours between 01-Oct-2022 and 30-May-2023. Here is a detailed break down of flight time by day and month:

Date	Flight Hours
10/21/2022	6.32
10/31/2022	3.10
11/22/2022	3.68
12/28/2022	1.10
01/19/2023	4.12
01/20/2023	4.60
01/21/2023	6.02
01/22/2023	4.43
02/01/2023	5.55
02/16/2023	6.62
03/02/2023	4.67
03/03/2023	1.62
03/04/2023	7.78
03/13/2023	0.67
03/14/2023	2.33
03/16/2023	3.90
03/18/2023	7.45
03/19/2023	8.42
03/22/2023	6.27
03/23/2023	9.45
03/24/2023	6.42
03/27/2023	6.98
03/28/2023	7.00
03/29/2023	7.77
03/30/2023	6.87
04/07/2023	8.88

Month	Flight Hours
Oct-2022	9.42
Nov-2022	3.68
Dec-2022	1.10
Jan-2023	15.05
Feb-2023	12.17
Mar-2023	82.92
Apr-2023	41.07
May-2023	36.02
Total:	201.42

Flight Summary – N7343L

5/30/2023

04/10/2023	6.93
04/11/2023	6.62
04/12/2023	4.82
04/17/2023	6.72
04/25/2023	7.10
05/02/2023	4.35
05/03/2023	6.42
05/04/2023	7.00
05/15/2023	4.05
05/16/2023	5.88
05/19/2023	5.13
05/30/2023	3.18