

National Transportation Safety Board

Office of Aviation Safety
Central Region



CEN22LA391

METEOROLOGICAL DATA SUMMARY

ACCIDENT

Location: Baton Rouge, Louisiana
Date: August 18, 2022
Time: 0853 central daylight time (1353 UTC)
Airplane: Beech F33A; Registration No. N17747

Closest Aviation Weather Station

Baton Rouge Metropolitan Airport (KBTR)
Baton Rouge, Louisiana, USA
30.5329167° North Latitude
91.1498889° West Longitude
69.7 ft mean sea level (airport field elevation)

Distance To Accident Site: 0.8 nautical mile
Direction To Accident Site: 050° True

Meteorological Aerodrome Report (METAR)

SPECI KBTR 181144Z 26007KT 10SM FEW018 SCT044 26/26 A2993 RMK AO2 T02610256=

METAR KBTR 181153Z 26006KT 10SM FEW018 26/25 A2993 RMK AO2 SLP134 T02610250
10278 20261 53003=

METAR KBTR 181253Z 28005KT 10SM SCT021 BKN026 27/26 A2995 RMK AO2 SLP139
T02670256=

SPECI KBTR 181340Z 31004KT 10SM BKN012 BKN025 OVC039 27/26 A2997 RMK AO2
LTG DSNT N T02670256=

--- Accident Occurred at 1353 UTC (0853 CDT) ---

METAR KBTR 181353Z 32004KT 10SM SCT012 BKN026 BKN050 27/26 A2997 RMK AO2
LTG DSNT N AND NE SLP147 T02720256=

SPECI KBTR 181401Z 35004KT 10SM FEW012 SCT026 27/26 A2997 RMK AO2 LTG DSNT
N-E T02720256=

SPECI KBTR 181428Z 01006KT 10SM SCT009 BKN017 27/26 A2998 RMK AO2 LTG DSNT N
AND E T02720256=

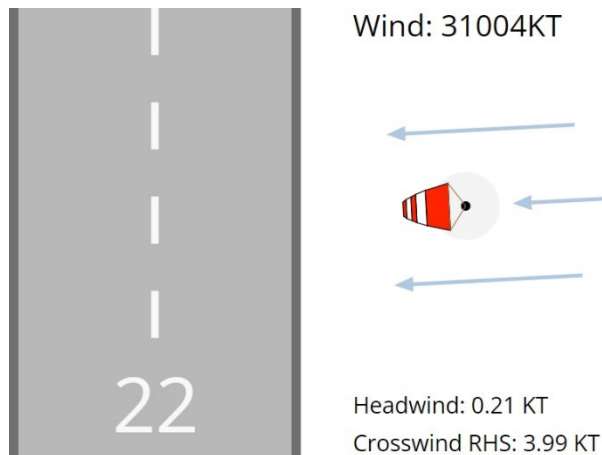
Terminal Area Forecast (TAF)

KBTR 181128Z 1812/1912 26005KT P6SM BKN020 BKN050 FM181400
28005KT P6SM VCTS BKN020CB BKN045
TEMPO 1816/1819 VRB20G30KT 2SM TSRA BR OVC020CB FM182100
33005KT P6SM VCTS SCT030CB BKN090 FM190100 00000KT P6SM
BKN250=

KBTR 181407Z 1814/1912 35004KT P6SM VCTS FEW012 SCT026CB BKN070
FM181445 VRB06KT 5SM SHRA BR VCTS SCT020 BKN030CB
TEMPO 1815/1819 VRB20G30KT 2SM TSRA BR OVC020CB FM182100
33005KT P6SM VCTS SCT030CB BKN090 FM190100 00000KT P6SM
BKN250=

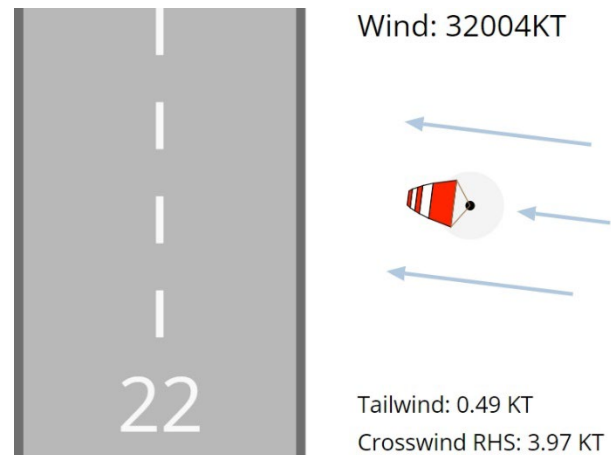
Headwind/Tailwind/Crosswind Calculations

METAR Report at 1340 UTC (0840 CDT)



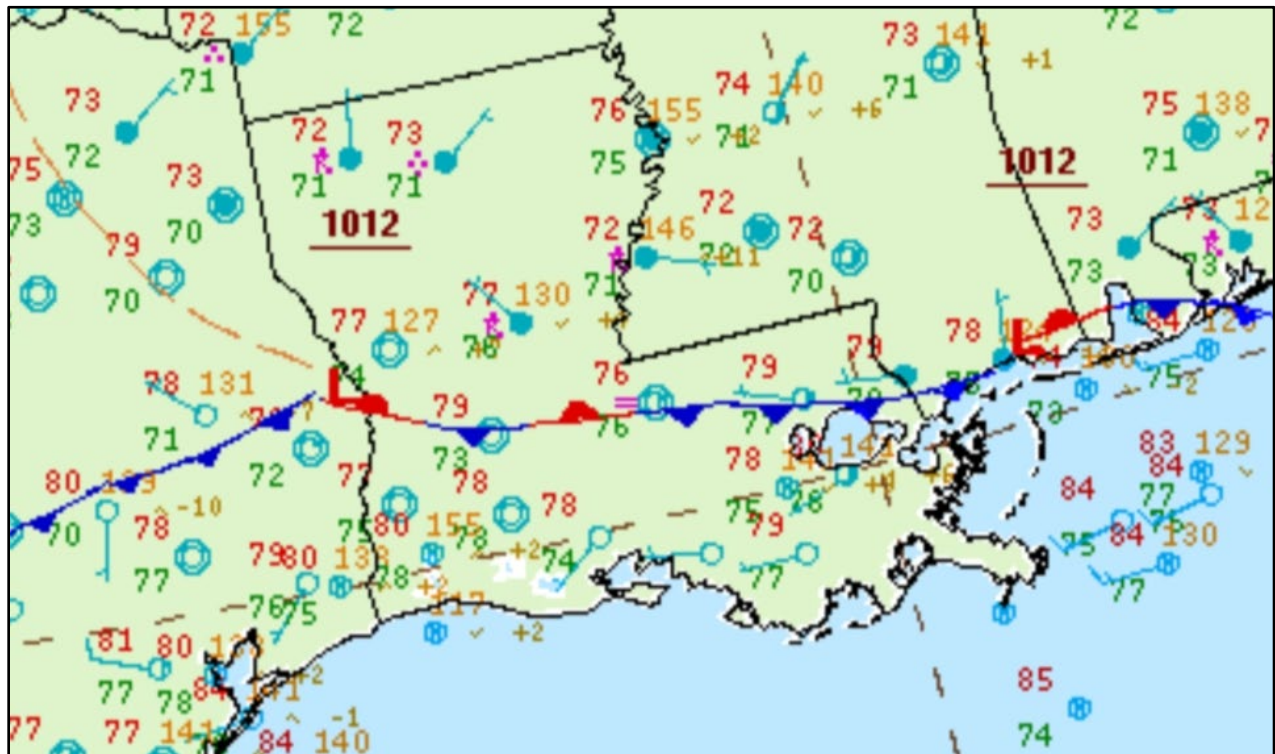
Runway Heading: 223° True
Wind Direction: 310° True
Wind Speed: 04 knots
Headwind: 0.21 knots
Crosswind: 3.99 knots from the right

METAR Report at 1353 UTC (0853 CDT)

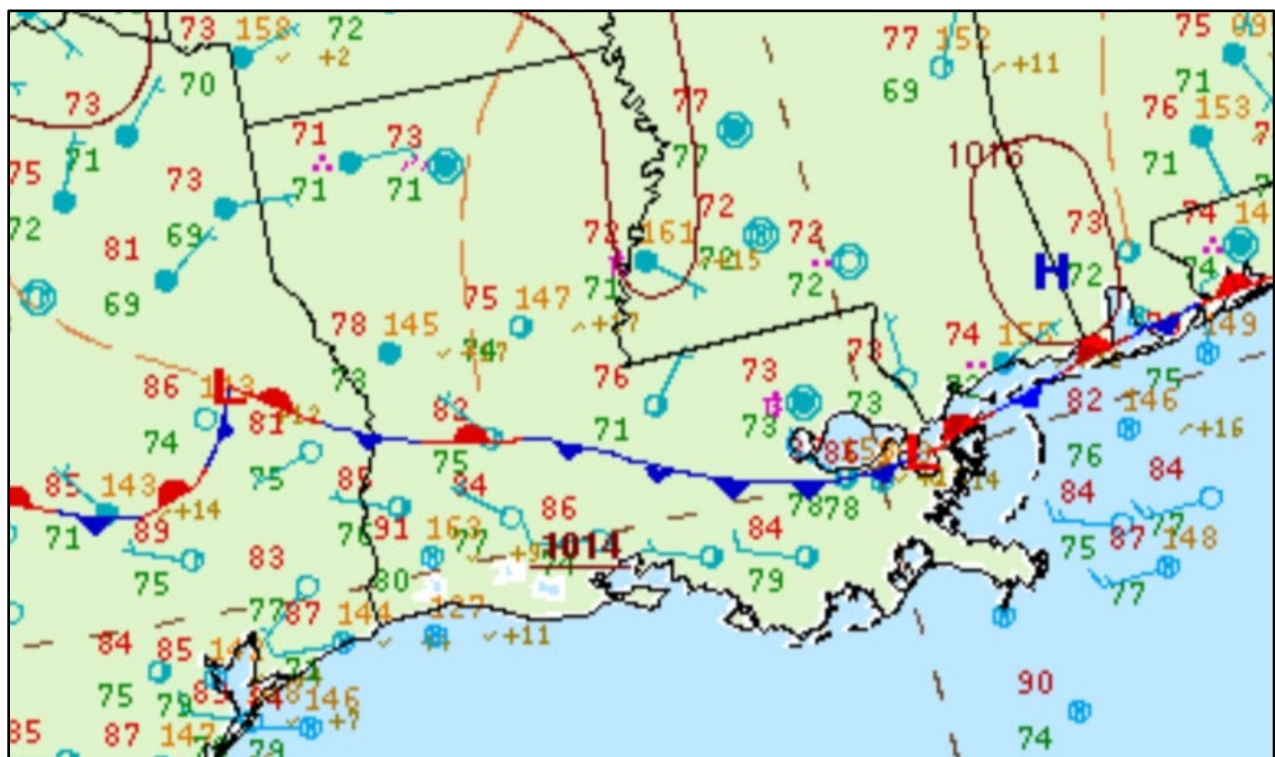


Runway Heading: 223° True
Wind Direction: 320° True
Wind Speed: 04 knots
Tailwind: 0.49 knots
Crosswind: 3.97 knots from the right

Surface Analysis Charts



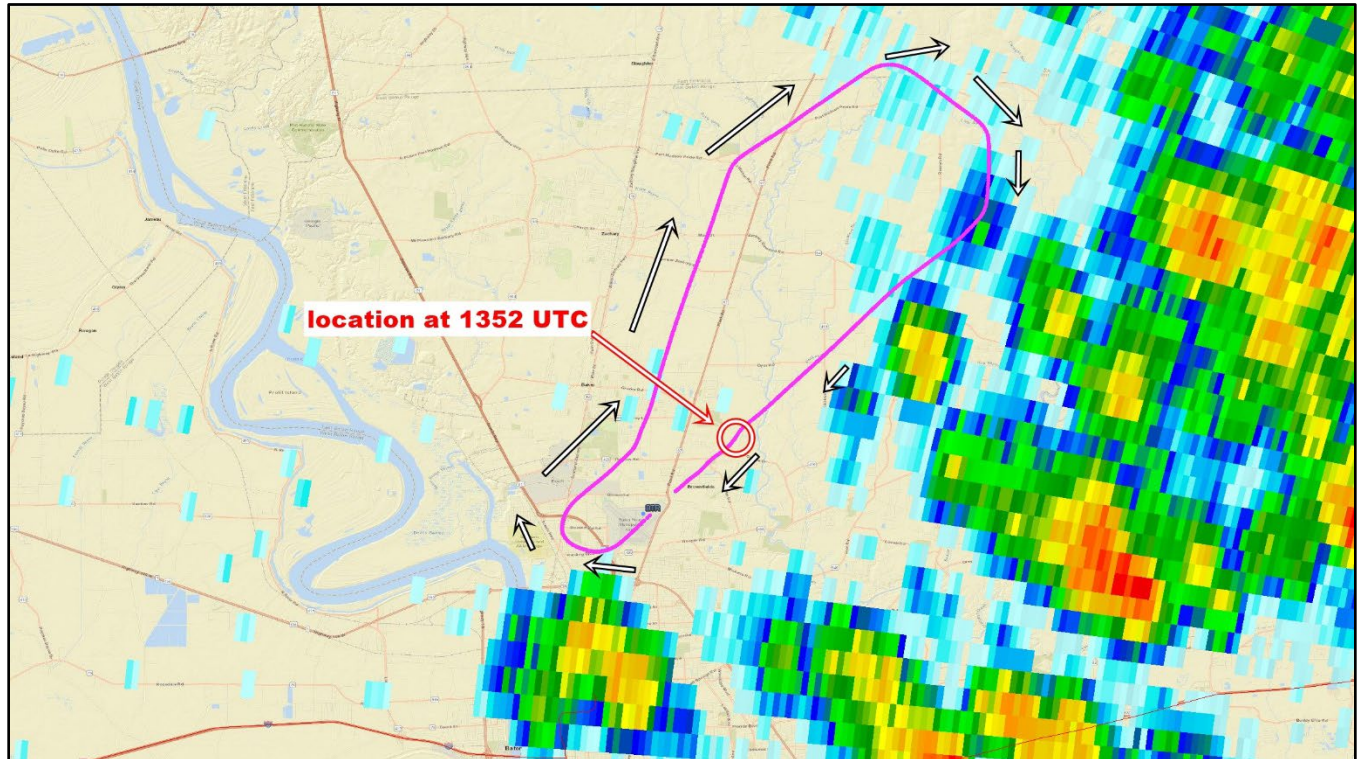
Surface Analysis Chart from 1200 UTC (0700 CDT)



Surface Analysis Chart from 1500 UTC (1000 CDT)

Weather Radar Imagery

NEXRAD weather radar imagery from 1352:53 UTC (0853:53 CDT) with the flight track depicted as pink line and arrows pointing in the direction of travel. Location of airplane at 1352:53 UTC (0852:53 CDT) is noted by the red circle.



High-Resolution Rapid Refresh (HRRR) Atmosphere Model

PRESSURE_hPa	HEIGHT_MSL_Meters	TEMP_C	DEWPOINT_C	WIND_DIR_DEG	WIND_SPEED_MPS
1010	16	27.4	25.1	247.4	2.6
1009	25	27.3	24.5	248.3	2.7
1006	51	26.9	24.7	248.8	3.1
1001	100	26.4	24.2	248.8	3.3
991	186	25.5	24.0	249.6	3.6
977	313	24.6	23.4	256.0	5.5
959	478	23.8	22.2	260.0	8.1
937	679	22.6	21.1	261.5	10.0
913	902	21.0	20.1	261.7	11.0
887	1150	19.7	17.9	261.0	11.5
859	1434	18.3	15.4	256.4	11.8
827	1758	17.6	10.1	252.5	11.0

HRRR Atmosphere Model for accident location at 1400 UTC (0900 CDT)