

National Transportation Safety Board

Office of Aviation Safety
Central Region



CEN20LA440

METEOROLOGICAL DATA

ACCIDENT

Location: San Antonio, Texas
Date: September 4, 2020
Time: 2002 central daylight time
Airplane: Swearingen SA227-AC, Registration No. N362AE

METEOROLOGICAL DATA

Weather Station

San Antonio International Airport (KSAT)
San Antonio, Texas, USA
29.5339583° North Latitude
98.4690569° West Longitude
809 ft mean sea level (airport field elevation)

Distance To Accident Site: 0 nautical miles
Direction To Accident Site: NA

Meteorological Aerodrome Report (METAR)

METAR KSAT 042351Z 05010G20KT 10SM SCT044 BKN095 OVC250 27/21 A3008 RMK
AO2 SLP169 60000 T02670211 10294 2026 53007 \$=

METAR KSAT 050051Z 04006KT 10SM SCT044 BKN100 BKN250 26/21 A3009 RMK AO2
SLP171 T02560211 \$=

--- Accident Occurred at 0102 UTC (2002 CDT) ---

SPECI KSAT 050111Z 04007KT 10SM FEW044 BKN070 BKN250 26/21 A3010 RMK AO2
T02560211 \$=

METAR KSAT 050151Z 06007KT 10SM FEW044 BKN100 BKN250 25/22 A3012 RMK AO2
SLP181 T02500217 \$=

Terminal Area Forecast (TAF)

TAF KSAT 042326Z 0500/0606 06007KT P6SM BKN050 FM051200 05006KT
P6SM BKN015 FM051700 05006KT P6SM VCSH BKN035 FM052100
10007KT 4SM TSRA OVC035CB FM060000 04005KT P6SM OVC100=

High-Resolution Rapid Refresh (HRRR) Atmospheric Model

HRRR Model (4 SEP 2020 at 2000 CDT / 5 SEP 2020 at 0100 UTC)					
Pressure_hPa	Elevation_meters	Temp_C	DewPoint_C	WindDir_deg	WindSpd_mps
992	232	25.3	20.8	56.9	3.6
990	241	25.3	20.8	57.4	3.5
987	268	25.2	20.7	57.3	5.8
982	318	24.7	20.6	57.2	6.9
973	399	23.9	20.3	57.2	8.0
959	527	23.1	18.8	56.5	8.8
941	688	22.8	16.4	56.5	8.7
921	881	22.2	16.2	69.0	6.8
897	1103	21.2	17.0	98.7	6.5
872	1348	19.6	16.7	117.9	6.4
845	1620	17.8	14.3	141.0	6.0
814	1935	15.7	12.3	160.7	6.4
781	2292	13.6	9.8	179.4	6.1
745	2686	11.1	8.0	196.0	6.5
705	3136	8.3	7.3	191.1	6.6
664	3636	5.4	4.5	180.1	5.8
619	4201	2.7	-0.3	162.0	3.5
572	4837	0.0	-5.0	74.7	1.7
526	5497	-4.0	-7.5	26.0	2.9
485	6134	-7.6	-11.3	355.0	2.1
448	6741	-11.1	-17.7	295.0	2.2
414	7326	-14.8	-20.0	275.1	2.9
384	7888	-18.9	-23.0	284.1	3.0
357	8424	-22.9	-27.7	284.6	2.4
333	8936	-26.6	-30.7	239.8	2.8
291	9882	-33.0	-36.3	203.8	8.7
256	10748	-39.0	-48.9	202.6	11.4
228	11546	-44.9	-52.2	217.1	13.0
200	12383	-52.1	-57.6	241.3	13.7
172	13313	-59.8	-65.0	232.6	14.6
145	14370	-66.5	-73.1	238.1	12.1
117	15628	-70.5	-81.2	258.4	5.8
90	17163	-70.4	-83.7	38.2	0.7
72	18546	-69.1	-86.3	79.5	5.6
50	20756	-65.7	-89.2	83.8	10.6
32	23525	-56.9	-91.5	84.3	16.1