

National Transportation Safety Board

Office of Aviation Safety
Central Region



CEN21LA323

METEOROLOGICAL DATA SUMMARY

ACCIDENT

Location: Refugio, Texas
Date: July 16, 2021
Time: 1529 central daylight time (2029 UTC)
Airplane: Cessna P210N; Registration No. N174R

Closest Aviation Weather Station

Aransas County Airport (KRPK)
Rockport, Texas, USA
28.0862222° North Latitude
97.0436944° West Longitude
23.8 ft mean sea level (airport field elevation)

Distance To Accident Site: 19.5 nautical mile
Direction To Accident Site: 310° True

Meteorological Aerodrome Report (METAR)

METAR KRPK 161753Z AUTO 18011G18KT 7SM CLR 32/25 A3002 RMK AO2 SLP168
T03220250 10322 20283 50000=

METAR KRPK 161853Z AUTO 16011G18KT 7SM CLR 32/24 A3001 RMK AO2 SLP163
T03220244=

METAR KRPK 161953Z AUTO 15009G18KT 7SM FEW025 32/25 A2999 RMK AO2 SLP157
T03220250=

--- Accident Occurred at 2029 UTC (1529 CDT) ---

METAR KRPK 162053Z AUTO 17008G15KT 6SM HZ FEW023 32/25 A2997 RMK AO2
SLP151 T03170250 58017=

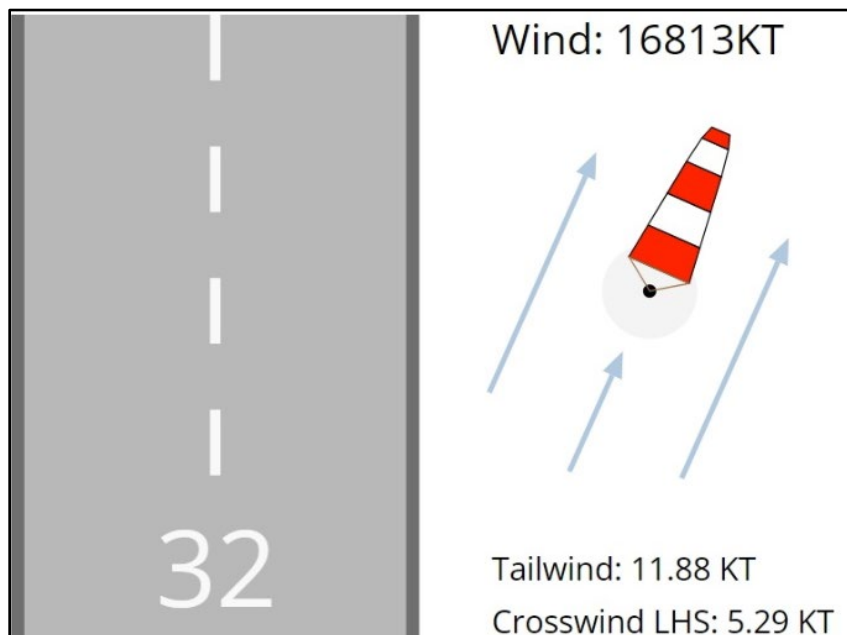
METAR KRPK 162153Z AUTO 15012G16KT 6SM HZ SCT024 SCT031 31/25 A2996 RMK
AO2 SLP146 T03110250=

METAR KRPK 162253Z AUTO 15010G18KT 6SM HZ FEW022 31/25 A2994 RMK AO2
SLP140 T03110250=

High-Resolution Rapid Refresh (HRRR) Atmosphere Model (2000 UTC)

PRESSURE_hPa	HEIGHT_MSL_Meters	TEMP_C	DEWPOINT_C	WIND_DIR_DEG	WIND_SPEED_MPS
1013	16	31.2	24.6	168.3	6.7
1012	25	30.9	23.4	168.4	6.5
1009	52	30.5	24.1	168.4	8.3
1004	101	29.9	22.4	168.2	9.1
994	187	29.1	22.1	168.3	9.6
980	315	27.8	21.7	168.4	9.8
962	481	26.2	21.3	168.4	10.0
940	683	24.3	20.7	168.6	10.0
916	907	22.5	18.8	170.8	10.0
890	1154	20.6	17.3	178.5	10.0
861	1438	18.8	15.1	183.0	10.1
830	1758	17.6	10.6	188.3	10.5
795	2123	15.8	6.7	193.7	10.8
757	2533	13.7	3.5	193.6	9.5
716	2997	11.9	-2.6	186.3	7.8

Crosswind/Tailwind Calculation



Runway Heading: 324°
 Wind Direction: 168°
 Wind Speed: 13 knots
 Tailwind: 11.9 knots
 Crosswind: 5.3 knots