NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

June 1, 2020

Group Chairmen's Factual Report – Attachment 5

DUT Wind Chart

OPERATIONAL FACTORS/HUMAN PERFORMANCE

DCA20MA002

PenAir
THE SPIRIT OF ALASKA

May 1, 2019

MEDALLION FOUNDATION WIND CHART

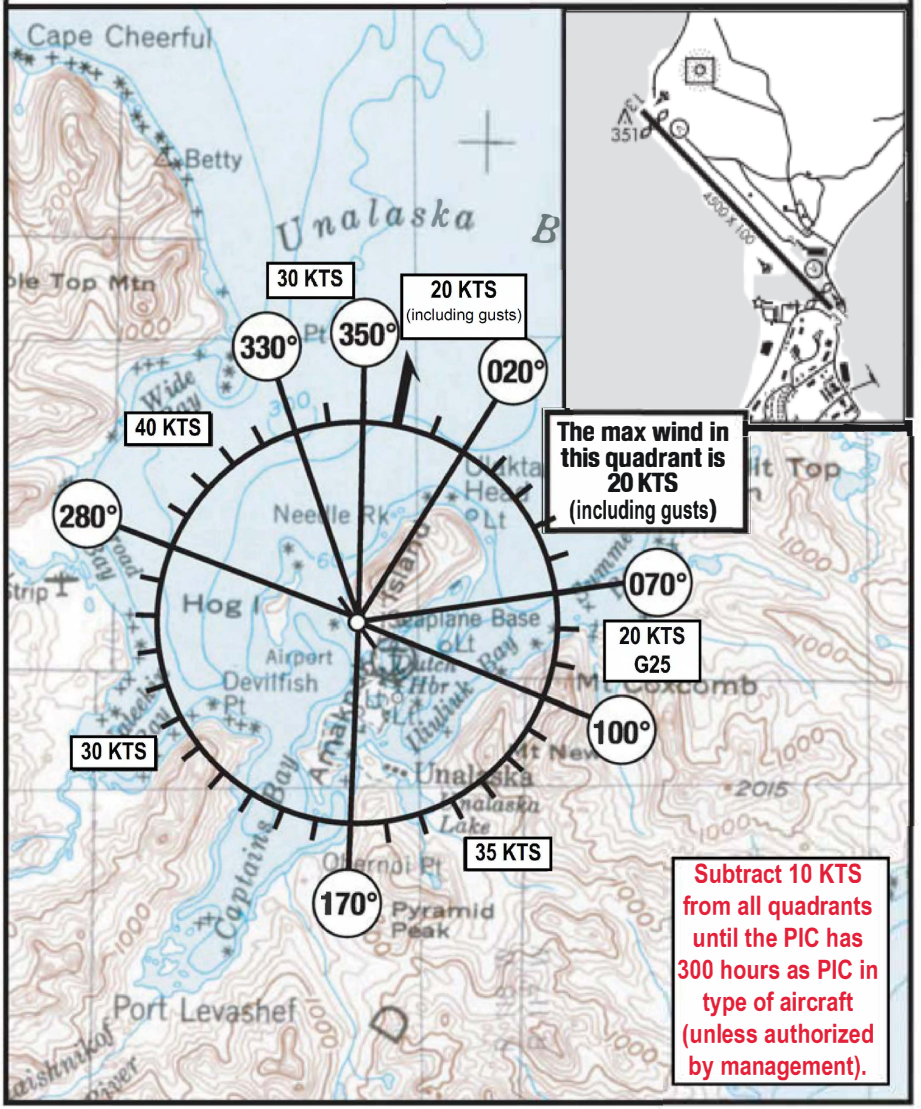
UNALASKA, ALASKA

N53°53.94' W166°32.70'

23 H4500X100 (ASPH-GRVD) RWY 13-31

- ***CAUTION:*** Winds in N-ESE will cause turbulence, wind shears and tail winds at both ends of the runway.
- ***CAUTION:*** Operations should not be attempted any time the wind (including gusts) are greater than 50 kts.
- ***CAUTION:*** Wind from 330° to 350° or 090° to 110° may cause mechanical turbulence and sinkers on final approach. Watch for black water.
- Area of frequent snow squalls with NW wind in winter.

Runway Risk Factor: +8 **Magnetic Variation: 10E**



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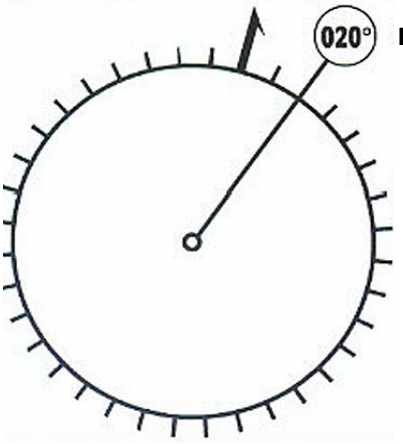
WIND CHART INTERPRETATION



- Wind limits are the maximum recommended for dispatch and are shown in the boxes between quadrants on the wind chart.
- Wind limits on the chart are without gust factors.
- Wind gusts less than 10 will not be considered, ie., wind 260 @ 25G30 would be considered a wind of 25 kts.
- Wind gust factors of 10 kts or more, add 1/2 of the gust factor to the wind velocity, ie., wind 260 @ 25G35 would be considered a wind velocity of 30 kts.
- Gust factors of more than 35 kts (ie. 10G45) flights should not be conducted.
- With a wind direction that is variable more than 30°, reduce the maximum wind limit on the chart by 10%.
- With a wind direction that is variable more than 45 ", reduce the wind limit on the chart by 20%.
- Reduce by 5 kts for tailwheel aircraft.