

PANC

Ted Stevens Anchorage Intl

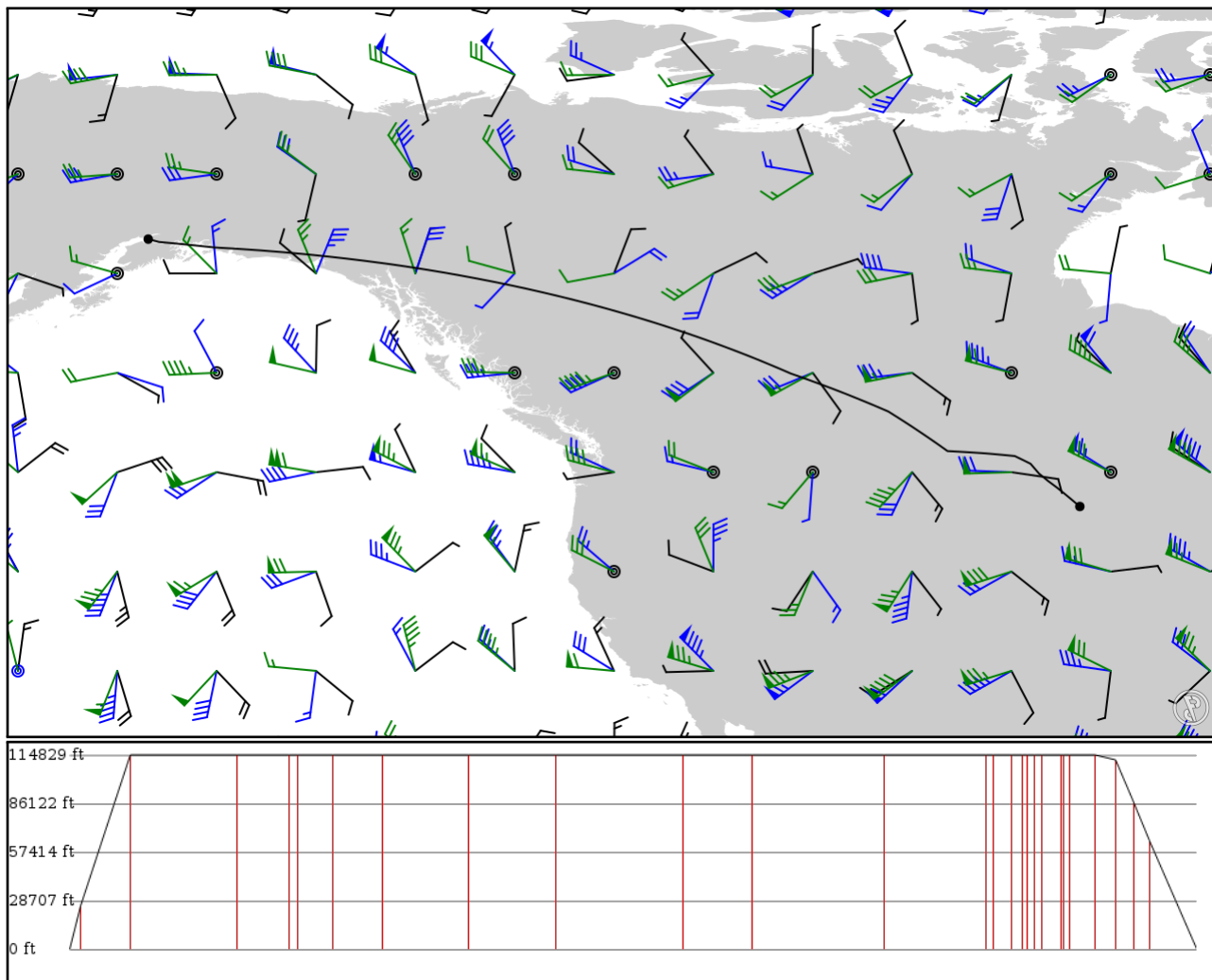
KMSP

Minneapolis-St Paul International Airport

2024/05/17 2253Z

PANC YESKA **NCA11** YWV **J475** VLN **J483** MOT **V430** GFK **T330** MAFLN KMSP

2224.15 nm / 4119.12 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 35000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

- Use NATs: yes
- Use PACOTS: yes
- Use low airways: yes
- Use high airways: yes

Route

| Ident Type | Via | Lat Lon | Alt | Dist (nm) | Name |
|---------------|--------|------------|-----------|--------------|----------------------------|
| PANC | - | 61.17430 | 0 ft | - | Ted Stevens Anchorage Intl |
| APT | - | -149.99800 | 0 m | - | |
| YESKA | - | 61.00020 | 7,800 ft | 21 | - |
| FIX | - | -149.33400 | 2,377 m | - | - |
| REMBY | NCA11 | 60.66670 | 35,000 ft | 99 | - |
| FIX | AWY-HI | -146.00000 | 10,668 m | - | - |
| COHIL | NCA11 | 60.10860 | 35,000 ft | 210 | - |
| FIX | AWY-HI | -139.00000 | 10,668 m | - | - |
| YXY57 | NCA11 | 59.71330 | 35,000 ft | 101 | - |
| FIX | AWY-HI | -135.73800 | 10,668 m | - | - |
| YXY59 | NCA11 | 59.63830 | 35,000 ft | 17 | - |
| FIX | AWY-HI | -135.18900 | 10,668 m | - | - |
| GOROV | NCA11 | 59.30590 | 35,000 ft | 69 | - |
| FIX | AWY-HI | -133.00100 | 10,668 m | - | - |
| OMLOK | NCA11 | 58.77930 | 35,000 ft | 97 | - |
| FIX | AWY-HI | -130.00000 | 10,668 m | - | - |
| BINGA | NCA11 | 57.70200 | 35,000 ft | 170 | - |
| FIX | AWY-HI | -125.00000 | 10,668 m | - | - |
| LEPET | NCA11 | 56.42660 | 35,000 ft | 172 | - |
| FIX | AWY-HI | -120.27100 | 10,668 m | - | - |
| NUBEG | NCA11 | 54.28100 | 35,000 ft | 250 | - |
| FIX | AWY-HI | -113.98400 | 10,668 m | - | - |
| YWV | NCA11 | 52.98140 | 35,000 ft | 136 | WAINWRIGHT |
| VOR | AWY-HI | -110.83300 | 10,668 m | - | |
| VLN | J475 | 50.66690 | 35,000 ft | 260 | LUMSDEN |
| VOR | AWY-HI | -104.89000 | 10,668 m | - | |
| MOT | J483 | 48.26030 | 35,000 ft | 201 | MINOT |
| VOR | AWY-HI | -101.28700 | 10,668 m | - | |
| ORMIE | V430 | 48.24350 | 35,000 ft | 12 | - |
| FIX | AWY-LO | -100.96400 | 10,668 m | - | - |
| BALTA | V430 | 48.19070 | 35,000 ft | 36 | - |
| FIX | AWY-LO | -100.04800 | 10,668 m | - | - |
| CAREW | V430 | 48.15790 | 35,000 ft | 20 | - |
| FIX | AWY-LO | -99.53130 | 10,668 m | - | - |
| SCULY | V430 | 48.13930 | 35,000 ft | 11 | - |
| FIX | AWY-LO | -99.25500 | 10,668 m | - | - |
| DVL | V430 | 48.11520 | 35,000 ft | 13 | DEVILS LAKE |
| VOR | AWY-LO | -98.91250 | 10,668 m | - | |
| NERDE | V430 | 48.08310 | 35,000 ft | 14 | - |
| FIX | AWY-LO | -98.54260 | 10,668 m | - | - |
| BISCA | V430 | 47.99600 | 35,000 ft | 38 | - |
| FIX | AWY-LO | -97.60260 | 10,668 m | - | - |
| DITRE | V430 | 47.98410 | 35,000 ft | 4 | - |
| FIX | AWY-LO | -97.47980 | 10,668 m | - | - |
| GFK | V430 | 47.95480 | 35,000 ft | 11 | GRAND FORKS |
| VOR | AWY-LO | -97.18540 | 10,668 m | - | |
| BYZIN | T330 | 47.48440 | 35,000 ft | 48 | - |
| FIX | AWY-LO | -96.22450 | 10,668 m | - | - |
| TAMMR | T330 | 46.89260 | 34,100 ft | 41 | - |
| FIX | AWY-LO | -95.71570 | 10,394 m | - | - |
| WATAM | T330 | 46.43140 | 26,400 ft | 36 | - |
| FIX | AWY-LO | -95.15190 | 8,047 m | - | - |
| MAFLN | T330 | 46.03960 | 19,500 ft | 32 | - |

| Ident | | Via | Lat | Alt | Dist | Name |
|-------|--------|-----------|---------|-----|------|---|
| Type | | | Lon | | (nm) | |
| FIX | AWY-LO | -94.62270 | 5,944 m | | | |
| KMSP | - | 44.88190 | 0 ft | 91 | | Minneapolis-St Paul International Airport |
| APT | - | -93.22200 | 0 m | | | |

PANC

Region: USA (ALASKA)

Timezone: AMERICA/ANCHORAGE

Runways: 3

Elevation: 151 ft / 46 m

Location: 61.174300 -149.998000

Magnetic Var: 14.018 E

METAR

PANC 172153Z 31007KT 10SM FEW020 FEW042 BKN055 11/03 A3006

TAF

TAF AMD PANC 172058Z 1721/1824 29007KT P6SM SCT040 BKN060 TEMPO 1721/1724 BKN040 FM180000 28008KT P6SM FEW045 SCT

Frequencies

REC - 135.50 MHz - D-ATIS

GND - 121.90 MHz - ANCHORAGE GROUND

CLD - 119.40 MHz - CLEARANCE DELIVERY

APP - 118.60 MHz - ANCHORAGE APPROACH

APP - 123.80 MHz - ANCHORAGE APPROACH

DEP - 118.60 MHz - ANCHORAGE DEPARTURE

DEP - 123.80 MHz - ANCHORAGE DEPARTURE

COM - 122.95 MHz - UNICOM

TWR - 118.30 MHz - ANCHORAGE TOWER

CLD - 128.65 MHz - CLEARANCE DELIVERY

APP - 119.10 MHz - ANCHORAGE APPROACH

APP - 126.40 MHz - ANCHORAGE APPROACH

DEP - 119.10 MHz - ANCHORAGE DEPARTURE

DEP - 126.40 MHz - ANCHORAGE DEPARTURE

Runways

| Ident | Width | Length | Bearing (true) (mag) | Surface | Threshold Offset | Overrun Length |
|-------|--------|-----------|-------------------------|---------|---------------------|-------------------|
| 07R | 200 ft | 12,357 ft | 89.84 | ASPHALT | 0 ft | 0 ft |
| | 61 m | 3,767 m | 75.82 | | 0 m | 0 m |
| 25L | 200 ft | 12,357 ft | 269.90 | ASPHALT | 0 ft | 194 ft |
| | 61 m | 3,767 m | 255.88 | | 0 m | 59 m |
| 07L | 150 ft | 10,566 ft | 89.88 | ASPHALT | 0 ft | 387 ft |
| | 46 m | 3,221 m | 75.86 | | 0 m | 118 m |
| 25R | 150 ft | 10,566 ft | 269.93 | ASPHALT | 0 ft | 387 ft |
| | 46 m | 3,221 m | 255.91 | | 0 m | 118 m |
| 15 | 200 ft | 10,847 ft | 164.89 | ASPHALT | 0 ft | 397 ft |
| | 61 m | 3,306 m | 150.87 | | 0 m | 121 m |
| 33 | 200 ft | 10,847 ft | 344.90 | ASPHALT | 463 ft | 236 ft |
| | 61 m | 3,306 m | 330.89 | | 141 m | 72 m |

Approach Nav aids

| Runway | Type | Ident | Frequency | Range | Bearing (true) (mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 07L | DME | ITGN | 109.90 MHz | 18 nm | - | - | 152 ft |
| | | | | 33 km | - | | 152 m |
| 07R | DME | IANC | 111.30 MHz | 18 nm | - | - | 152 ft |
| | | | | 33 km | - | | 152 m |
| 15 | DME | IBSC | 111.75 MHz | 18 nm | - | - | 152 ft |
| | | | | 33 km | - | | 152 m |
| 07L | LOC-ILS | ITGN | 109.90 MHz | 18 nm | 89.90 | - | 151 ft |
| | | | | 33 km | 75.88 | | 151 m |
| 07R | LOC-ILS | IANC | 111.30 MHz | 18 nm | 89.87 | - | 151 ft |
| | | | | 33 km | 75.85 | | 151 m |
| 15 | LOC-ILS | IBSC | 111.75 MHz | 18 nm | 164.90 | - | 151 ft |
| | | | | 33 km | 150.88 | | 151 m |
| 07L | GS | ITGN | 109.90 MHz | 10 nm | 89.90 | 3.00 | 151 ft |
| | | | | 19 km | 75.88 | | 151 m |

| Runway | Type | Ident | Frequency | Range | Bearing (true) (mag) | Slope | Elevation |
|--------|------|-------|------------|-------|-------------------------|-------|-----------|
| 07R | GS | IANC | 111.30 MHz | 10 nm | 89.87 | 3.00 | 151 ft |
| | | | | 19 km | 75.85 | | 151 m |
| 15 | GS | IBSC | 111.75 MHz | 10 nm | 164.90 | 3.00 | 151 ft |
| | | | | 19 km | 150.88 | | 151 m |

KMSP

Region: UNITED STATES
Timezone: AMERICA/CHICAGO
Runways: 4

Elevation: 841 ft / 256 m
Location: 44.881900 -93.222000
Magnetic Var: 0.278 W

METAR

KMSP 172153Z 22014G25KT 10SM FEW070 SCT100 29/09 A2958 RMK A02 PK WND 23026/2103 SLP012 VIRGA N T02940089

TAF

TAF AMD KMSP 172056Z 1721/1824 19014G24KT P6SM VCSH SCT100 FM180200 17012KT P6SM SCT100 WS020/20045KT FM181400 21

Frequencies

| | |
|---|--|
| DEP - 132.97 MHz - MINNEAPOLIS DEPARTURE | DEP - 125.75 MHz - MINNEAPOLIS DEPARTURE |
| DEP - 124.70 MHz - MINNEAPOLIS DEPARTURE | APP - 126.95 MHz - MINNEAPOLIS APPROACH |
| APP - 119.30 MHz - MINNEAPOLIS APPROACH | APP - 118.72 MHz - MINNEAPOLIS APPROACH |
| TWR - 126.70 MHz - MINNEAPOLIS TOWER | TWR - 123.95 MHz - MINNEAPOLIS TOWER |
| TWR - 123.67 MHz - MINNEAPOLIS TOWER | GND - 133.57 MHz - MINNEAPOLIS GROUND |
| GND - 127.92 MHz - MINNEAPOLIS GROUND | GND - 121.90 MHz - MINNEAPOLIS GROUND |
| GND - 121.80 MHz - MINNEAPOLIS GROUND | REC - 120.80 MHz - MINNEAPOLIS D-ATIS |
| REC - 135.35 MHz - MINNEAPOLIS D-ATIS | COM - 122.95 MHz - MINNEAPOLIS UNICOM |
| CLD - 133.20 MHz - MINNEAPOLIS CLEARANCE DELIVERY | |

Runways

| Ident | Width | Length | Bearing (true) (mag) | Surface | Threshold Offset | Overrun Length |
|-------|--------|-----------|-------------------------|----------|---------------------|-------------------|
| 17 | 150 ft | 8,008 ft | 169.56 | CONCRETE | 0 ft | 397 ft |
| | 46 m | 2,441 m | 169.83 | | 0 m | 121 m |
| 35 | 150 ft | 8,008 ft | 349.56 | CONCRETE | 0 ft | 394 ft |
| | 46 m | 2,441 m | 349.84 | | 0 m | 120 m |
| 12L | 150 ft | 8,190 ft | 121.42 | CONCRETE | 0 ft | 397 ft |
| | 46 m | 2,496 m | 121.69 | | 0 m | 121 m |
| 30R | 150 ft | 8,190 ft | 301.44 | CONCRETE | 203 ft | 394 ft |
| | 46 m | 2,496 m | 301.71 | | 62 m | 120 m |
| 12R | 200 ft | 9,985 ft | 121.42 | CONCRETE | 0 ft | 1,194 ft |
| | 61 m | 3,043 m | 121.70 | | 0 m | 364 m |
| 30L | 200 ft | 9,985 ft | 301.44 | CONCRETE | 0 ft | 781 ft |
| | 61 m | 3,043 m | 301.72 | | 0 m | 238 m |
| 04 | 150 ft | 11,118 ft | 44.90 | CONCRETE | 1,660 ft | 0 ft |
| | 46 m | 3,389 m | 45.18 | | 506 m | 0 m |
| 22 | 150 ft | 11,118 ft | 224.92 | CONCRETE | 0 ft | 410 ft |
| | 46 m | 3,389 m | 225.20 | | 0 m | 125 m |

Approach Nav aids

| Runway | Type | Ident | Frequency | Range | Bearing (true) (mag) | Slope | Elevation |
|--------|------|-------|------------|-------|-------------------------|-------|-----------|
| 12L | DME | IPJL | 110.70 MHz | 18 nm | - | - | 813 ft |
| | | | | 33 km | - | | 813 m |
| 12R | DME | IHKZ | 110.30 MHz | 18 nm | - | - | 841 ft |
| | | | | 33 km | - | | 841 m |
| 17 | DME | ITJZ | 110.95 MHz | 18 nm | - | - | 822 ft |
| | | | | 33 km | - | | 822 m |
| 30L | DME | IMSP | 110.30 MHz | 18 nm | - | - | 841 ft |
| | | | | 33 km | - | | 841 m |

| Runway | Type | Ident | Frequency | Range | Bearing (true) (mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 30R | DME | IINN | 110.70 MHz | 18 nm | - | - | 813 ft |
| | | | | 33 km | - | | 813 m |
| 35 | DME | IBMA | 110.95 MHz | 18 nm | - | - | 822 ft |
| | | | | 33 km | - | | 822 m |
| 12L | LOC-ILS | IPJL | 110.70 MHz | 18 nm | 121.43 | - | 841 ft |
| | | | | 33 km | 121.71 | | 841 m |
| 12R | LOC-ILS | IHKZ | 110.30 MHz | 18 nm | 121.44 | - | 841 ft |
| | | | | 33 km | 121.72 | | 841 m |
| 30L | LOC-ILS | IMSP | 110.30 MHz | 18 nm | 301.44 | - | 841 ft |
| | | | | 33 km | 301.72 | | 841 m |
| 30R | LOC-ILS | IINN | 110.70 MHz | 18 nm | 301.43 | - | 841 ft |
| | | | | 33 km | 301.71 | | 841 m |
| 35 | LOC-ILS | IBMA | 110.95 MHz | 18 nm | 349.56 | - | 841 ft |
| | | | | 33 km | 349.84 | | 841 m |
| 04 | LOC-LOC | IAPL | 109.30 MHz | 18 nm | 44.92 | - | 841 ft |
| | | | | 33 km | 45.20 | | 841 m |
| 17 | LOC-LOC | ITJZ | 110.95 MHz | 18 nm | 169.56 | - | 841 ft |
| | | | | 33 km | 169.84 | | 841 m |
| 22 | LOC-LOC | ISIJ | 110.50 MHz | 18 nm | 224.92 | - | 841 ft |
| | | | | 33 km | 225.20 | | 841 m |
| 12L | GS | IPJL | 110.70 MHz | 10 nm | 121.43 | 3.00 | 841 ft |
| | | | | 19 km | 121.71 | | 841 m |
| 12R | GS | IHKZ | 110.30 MHz | 10 nm | 121.44 | 3.00 | 841 ft |
| | | | | 19 km | 121.72 | | 841 m |
| 30L | GS | IMSP | 110.30 MHz | 10 nm | 301.44 | 3.00 | 841 ft |
| | | | | 19 km | 301.72 | | 841 m |
| 30R | GS | IINN | 110.70 MHz | 10 nm | 301.43 | 3.00 | 841 ft |
| | | | | 19 km | 301.71 | | 841 m |
| 35 | GS | IBMA | 110.95 MHz | 10 nm | 349.56 | 3.00 | 841 ft |
| | | | | 19 km | 349.84 | | 841 m |