

PANC

Ted Stevens Anchorage Intl

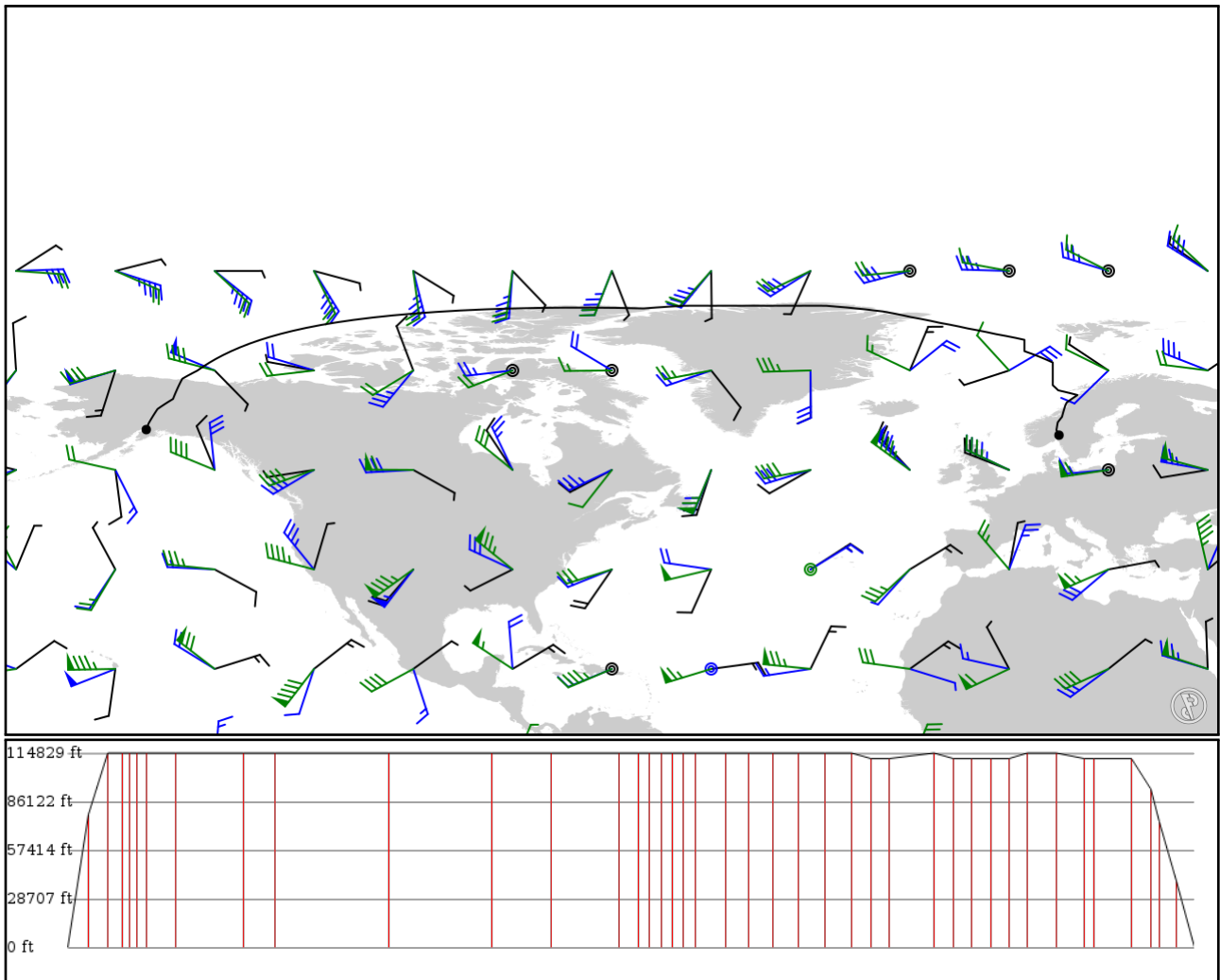
ENGM

Oslo Gardermoen

2024/05/23 0437Z

PANC SURES **V438** CHATA **J120** BTI TAYTA **M452** LT 8300N05500W 8300N05000W 8300N04500W 8300N04000W  
8300N03500W 8300N03000W 8200N02000W 8100N01500W 8000N01000W 7900N0500W 7800N0000E 7700N0500E  
7600N0500E 7500N0500E 7300N01000E 7200N01000E 7100N01000E 7000N01000E 6900N01000E NORVA **UP854**  
BDO **UM609** STO **M609** BNN **Z103** MERAK **Z101** TGA **M609** MES ENGM

3625.94 nm / 6715.25 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	-	61.17411	0 ft	-	Ted Stevens Anchorage Intl
APT	-	-149.99598	0 m	-	
SURES	-	62.27188	23,900 ft	66	-
FIX	-	-149.57921	7,285 m	-	-
CAWIN	V438	63.28089	35,000 ft	62	-
FIX	AWY-LO	-148.98821	10,668 m	-	-
LIBER	V438	64.04934	35,000 ft	47	-
FIX	AWY-LO	-148.50824	10,668 m	-	-
GLOWS	V438	64.43774	35,000 ft	24	-
FIX	AWY-LO	-148.25497	10,668 m	-	-
FAI	V438	64.80008	35,000 ft	22	FAIRBANKS VORTAC
VOR	AWY-LO	-148.01197	10,668 m	-	
CHATA	V438	65.22509	35,000 ft	29	-
FIX	AWY-LO	-147.39678	10,668 m	-	-
FYU	J120	66.57427	35,000 ft	96	FORT YUKON VORTAC
DME	AWY-HI	-145.27667	10,668 m	-	
BTI	J120	70.13066	35,000 ft	216	-
VOR	AWY-HI	-143.64390	10,668 m	-	-
TAYTA	-	71.56167	35,000 ft	100	-
FIX	-	-141.00000	10,668 m	-	-
TAVRI	M452	76.94500	35,000 ft	368	-
FIX	AWY-HI	-130.00000	10,668 m	-	-
TAPSA	M452	80.93333	35,000 ft	329	-
FIX	AWY-HI	-110.00000	10,668 m	-	-
TAPMO	M452	82.36917	35,000 ft	193	-
FIX	AWY-HI	-90.00000	10,668 m	-	-
LT	M452	82.52583	35,000 ft	217	ALERT NDB
NDB	AWY-HI	-62.21139	10,668 m	-	
8300N05500W	-	83.00000	35,000 ft	61	-
LATLON	-	-55.00000	10,668 m	-	-
8300N05000W	-	83.00000	35,000 ft	36	-
LATLON	-	-50.00000	10,668 m	-	-
8300N04500W	-	83.00000	35,000 ft	36	-
LATLON	-	-45.00000	10,668 m	-	-
8300N04000W	-	83.00000	35,000 ft	36	-
LATLON	-	-40.00000	10,668 m	-	-
8300N03500W	-	83.00000	35,000 ft	36	-
LATLON	-	-35.00000	10,668 m	-	-
8300N03000W	-	83.00000	35,000 ft	36	-
LATLON	-	-30.00000	10,668 m	-	-
8200N02000W	-	82.00000	35,000 ft	98	-
LATLON	-	-20.00000	10,668 m	-	-
8100N01500W	-	81.00000	35,000 ft	74	-
LATLON	-	-15.00000	10,668 m	-	-
8000N01000W	-	80.00000	35,000 ft	77	-
LATLON	-	-10.00000	10,668 m	-	-
7900N0500W	-	79.00000	35,000 ft	81	-
LATLON	-	-5.00000	10,668 m	-	-
7800N0000E	-	78.00000	35,000 ft	84	-
LATLON	-	0.00000	10,668 m	-	-
7700N0500E	-	77.00000	35,000 ft	88	-
LATLON	-	5.00000	10,668 m	-	-
7600N0500E	-	76.00000	34,000 ft	60	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	5.00000	10,363 m		
7500N0500E	-	75.00000	34,000 ft	60	-
LATLON	-	5.00000	10,363 m		
7300N01000E	-	73.00000	35,000 ft	145	-
LATLON	-	10.00000	10,668 m		
7200N01000E	-	72.00000	34,000 ft	60	-
LATLON	-	10.00000	10,363 m		
7100N01000E	-	71.00000	34,000 ft	60	-
LATLON	-	10.00000	10,363 m		
7000N01000E	-	70.00000	34,000 ft	60	-
LATLON	-	10.00000	10,363 m		
6900N01000E	-	69.00000	34,000 ft	60	-
LATLON	-	10.00000	10,363 m		
NORVA	-	68.09722	35,000 ft	58	-
FIX	-	10.96139	10,668 m		
BDO	UP854	67.26670	35,000 ft	92	BODO VOR-DME
VOR	AWY-HI	14.36486	10,668 m		
STO	UM609	65.96042	34,000 ft	90	STOKKA VOR-DME
VOR	AWY-HI	12.46945	10,363 m		
BNN	M609	65.45705	34,000 ft	30	BRONNOY VOR-DME
VOR	AWY-LO	12.21434	10,363 m		
MERAK	Z103	63.41583	34,000 ft	123	-
FIX	AWY-LO	11.62611	10,363 m		
TGA	Z101	62.46164	28,500 ft	60	TOLGA VOR-DME
VOR	AWY-LO	10.87883	8,687 m		
TOGAT	M609	61.99944	22,600 ft	27	-
FIX	AWY-LO	10.79283	6,888 m		
MES	M609	61.09981	12,000 ft	54	MESNALI VOR-DME
VOR	AWY-LO	10.64278	3,658 m		
ENGM	-	60.19451	0 ft	56	Oslo Gardermoen
APT	-	11.09900	0 m		

## PANC

Region: USA (ALASKA)

Timezone: AMERICA/ANCHORAGE

Runways: 3

Elevation: 151 ft / 46 m

Location: 61.174300 -149.998000

Magnetic Var: 14.013 E

## METAR

PANC 230353Z 16013G19KT 10SM -RA OVC041 08/03 A2981

## TAF

PANC 230259Z 2303/2406 14012G24KT P6SM -SHRA BKN045 OVC060 FM230500 21008KT 6SM -RA OVC025 FM231200 22008KT P6SM V

## 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	75.83		0 m	0 m
25L	200 ft	12,357 ft	269.90	ASPHALT	0 ft	194 ft
	61 m	3,767 m	255.89		0 m	59 m
07L	150 ft	10,566 ft	89.88	ASPHALT	0 ft	387 ft
	46 m	3,221 m	75.87		0 m	118 m
25R	150 ft	10,566 ft	269.93	ASPHALT	0 ft	387 ft
	46 m	3,221 m	255.92		0 m	118 m
15	200 ft	10,847 ft	164.89	ASPHALT	0 ft	397 ft
	61 m	3,306 m	150.88		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	75.89		151 m
07R	LOC-ILS	IANC	111.30 MHz	18 nm	89.87	-	151 ft
				33 km	75.86		151 m
15	LOC-ILS	IBSC	111.75 MHz	18 nm	164.90	-	151 ft
				33 km	150.89		151 m
07L	GS	ITGN	109.90 MHz	10 nm	89.90	3.00	151 ft
				19 km	75.89		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	75.86		151 m
15	GS	IBSC	111.75 MHz	10 nm	164.90	3.00	151 ft
				19 km	150.89		151 m

## ENGM

Region: NORWAY  
Timezone: EUROPE/OSLO  
Runways: 2

Elevation: 681 ft / 208 m  
Location: 60.194500 11.098900  
Magnetic Var: 4.486 E

## METAR

ENGM 230420Z 03004KT CAVOK 12/06 Q1019 NOSIG

## TAF

TAF ENGM 222300Z 2300/2324 13010KT CAVOK BECMG 2300/2302 03007KT BECMG 2308/2310 12012KT PROB40 TEMPO 2314/2324 T

## Frequencies

REC - 126.12 MHz - GARDERMOEN ARRIVAL INFORMATION  
CLD - 121.67 MHz - GARDERMOEN DELIVERY WEST  
GND - 121.75 MHz - GARDERMOEN GROUND  
GND - 121.90 MHz - GARDERMOEN GROUND EAST  
TWR - 120.10 MHz - GARDERMOEN TOWER  
APP - 120.45 MHz - OSLO APPROACH

REC - 127.15 MHz -  
GARDERMOEN DEPARTURE INFORMATION  
CLD - 121.92 MHz - GARDERMOEN DELIVERY EAST  
GND - 121.60 MHz - GARDERMOEN GROUND WEST  
TWR - 118.30 MHz - GARDERMOEN TOWER  
APP - 118.47 MHz - OSLO APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
01R	148 ft	9,664 ft	16.01	ASPHALT	0 ft	486 ft
	45 m	2,946 m	11.52		0 m	148 m
19L	148 ft	9,664 ft	196.02	ASPHALT	0 ft	489 ft
	45 m	2,946 m	191.53		0 m	149 m
01L	148 ft	11,797 ft	15.99	ASPHALT	0 ft	423 ft
	45 m	3,596 m	11.51		0 m	129 m
19R	148 ft	11,797 ft	196.01	ASPHALT	0 ft	486 ft
	45 m	3,596 m	191.52		0 m	148 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
01L	DME	OBW	110.30 MHz	18 nm	-	-	709 ft
				33 km	-		709 m
01R	DME	ONE	111.95 MHz	18 nm	-	-	723 ft
				33 km	-		723 m
19L	DME	GME	110.55 MHz	18 nm	-	-	729 ft
				33 km	-		729 m
19R	DME	GSW	111.30 MHz	18 nm	-	-	727 ft
				33 km	-		727 m
01L	LOC-ILS	OBW	110.30 MHz	18 nm	16.00	-	681 ft
				33 km	11.51		681 m
01R	LOC-ILS	ONE	111.95 MHz	18 nm	16.04	-	681 ft
				33 km	11.55		681 m
19L	LOC-ILS	GME	110.55 MHz	18 nm	196.04	-	681 ft
				33 km	191.55		681 m
19R	LOC-ILS	GSW	111.30 MHz	18 nm	196.00	-	681 ft
				33 km	191.51		681 m
01L	GS	OBW	110.30 MHz	10 nm	16.00	3.00	681 ft
				19 km	11.51		681 m
01R	GS	ONE	111.95 MHz	10 nm	16.04	3.00	681 ft
				19 km	11.55		681 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
19L	GS	GME	110.55 MHz	10 nm	196.04	3.00	681 ft
				19 km	191.55		681 m
19R	GS	GSW	111.30 MHz	10 nm	196.00	3.00	681 ft
				19 km	191.51		681 m