

KMSP

Minneapolis St Paul Intl

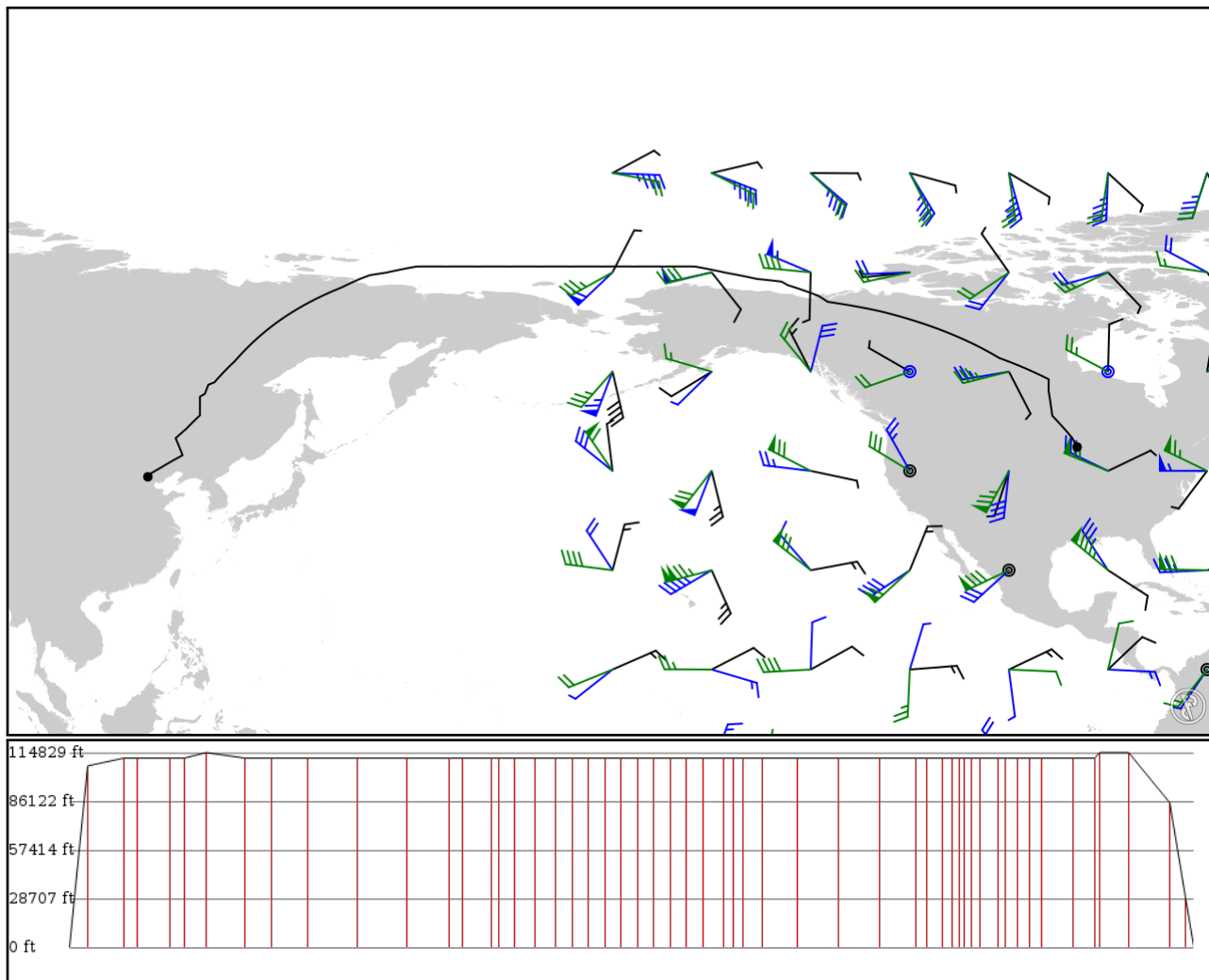
ZBAA

CAPITAL INTL

2024/05/12 0706Z

KMSP BRD **J25** YWG **J542** YTH **NCA22** YSF **NCA23** YEV N6915 7100N14000W TAYTA 7200N14500W 7300N15000W
7400N15500W 7400N16000W 7400N16500W 7400N17000W 7400N17500W 7400N18000W 7400N17500E 7400N17000E
7400N16500E 7400N16000E 7300N15500E TURDI **G494** ARKOD MADAN **G493** GU 5300N12500E 5200N12500E
5100N12500E 5000N12500E TEPOD ELPUN **A345** IKITI **W27** TGO **G212** LR ZBAA

5709.40 nm / 10573.80 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 35000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 280kts

Options:

- Use NATs: yes

- Use PACOTS: yes
- Use low airways: no
- Use high airways: yes

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KMSP APT	-	44.88195 -93.22201	0 ft 0 m	-	Minneapolis St Paul Intl
BRD VOR	-	46.34828 -94.02597	32,600 ft 9,936 m	94	BRAINERD VORTAC
YWG66 FIX	J25 AWY-HI	48.99738 -96.35881	34,000 ft 10,363 m	184	-
YWG VOR	J25 AWY-HI	49.92778 -97.23922	34,000 ft 10,363 m	65	WINNIPEG VORTAC
POPLR FIX	J542 AWY-HI	52.70972 -97.64067	34,000 ft 10,363 m	167	-
YNE NDB	J542 AWY-HI	53.97233 -97.84019	34,000 ft 10,363 m	76	NORWAY HOUSE NDB
YTH VOR	J542 AWY-HI	55.81100 -97.82519	35,000 ft 10,668 m	110	THOMPSON VOR-DME
BOPAP FIX	NCA22 AWY-HI	57.90667 -102.37167	34,000 ft 10,363 m	195	-
YSF NDB	NCA22 AWY-HI	59.25511 -105.83164	34,000 ft 10,363 m	135	STONY RAPIDS NDB
ALSAB FIX	NCA23 AWY-HI	61.51500 -110.00000	34,000 ft 10,363 m	183	-
BILSI FIX	NCA23 AWY-HI	64.31556 -116.72611	34,000 ft 10,363 m	249	-
HARUN FIX	NCA23 AWY-HI	66.77472 -125.00000	34,000 ft 10,363 m	252	-
YEV VOR	NCA23 AWY-HI	68.30806 -133.54825	34,000 ft 10,363 m	216	INUUVIK VOR-DME
N6915 FIX	-	69.25000 -135.00000	34,000 ft 10,363 m	64	-
7100N14000W LATLON	-	71.00000 -140.00000	34,000 ft 10,363 m	146	-
TAYTA FIX	-	71.56167 -141.00000	34,000 ft 10,363 m	38	-
7200N14500W LATLON	-	72.00000 -145.00000	34,000 ft 10,363 m	79	-
7300N15000W LATLON	-	73.00000 -150.00000	34,000 ft 10,363 m	108	-
7400N15500W LATLON	-	74.00000 -155.00000	34,000 ft 10,363 m	104	-
7400N16000W LATLON	-	74.00000 -160.00000	34,000 ft 10,363 m	82	-
7400N16500W LATLON	-	74.00000 -165.00000	34,000 ft 10,363 m	82	-
7400N17000W LATLON	-	74.00000 -170.00000	34,000 ft 10,363 m	82	-
7400N17500W LATLON	-	74.00000 -175.00000	34,000 ft 10,363 m	82	-
7400N18000W LATLON	-	74.00000 -180.00000	34,000 ft 10,363 m	82	-
7400N17500E LATLON	-	74.00000 175.00000	34,000 ft 10,363 m	82	-
7400N17000E LATLON	-	74.00000 170.00000	34,000 ft 10,363 m	82	-
7400N16500E	-	74.00000	34,000 ft	82	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	165.00000	10,363 m		
7400N16000E	-	74.00000	34,000 ft	82	-
LATLON	-	160.00000	10,363 m		
7300N15500E	-	73.00000	34,000 ft	104	-
LATLON	-	155.00000	10,363 m		
TURDI	-	72.60556	34,000 ft	50	-
FIX	-	152.46667	10,363 m		
UTARO	G494	71.95556	34,000 ft	49	-
FIX	AWY-HI	150.76306	10,363 m		
UESO	G494	70.62455	34,000 ft	97	Chokurdah
APT	AWY-HI	147.89789	10,363 m		
VIKBI	G494	68.28500	34,000 ft	176	-
FIX	AWY-HI	142.78500	10,363 m		
UBIBA	G494	65.31833	34,000 ft	212	-
FIX	AWY-HI	137.91000	10,363 m		
POBOT	G494	62.27500	34,000 ft	208	-
FIX	AWY-HI	134.10500	10,363 m		
ROKOK	G494	59.51667	34,000 ft	184	-
FIX	AWY-HI	131.33333	10,363 m		
ODANA	G494	58.75056	34,000 ft	50	-
FIX	AWY-HI	130.65111	10,363 m		
IBDIN	G494	57.52167	34,000 ft	83	-
FIX	AWY-HI	129.38667	10,363 m		
IDORA	G494	56.80222	34,000 ft	48	-
FIX	AWY-HI	128.68778	10,363 m		
RONET	G494	56.31389	34,000 ft	32	-
FIX	AWY-HI	128.23278	10,363 m		
OLOTO	G494	55.92556	34,000 ft	26	-
FIX	AWY-HI	127.86778	10,363 m		
ARKOD	G494	55.32556	34,000 ft	40	-
FIX	AWY-HI	127.34778	10,363 m		
MADAN	-	54.93889	34,000 ft	40	-
FIX	-	126.36778	10,363 m		
GU	G493	53.47056	34,000 ft	90	MAGDAGACHI NDB
NDB	AWY-HI	125.79611	10,363 m		
5300N12500E	-	53.00000	34,000 ft	40	-
LATLON	-	125.00000	10,363 m		
5200N12500E	-	52.00000	34,000 ft	60	-
LATLON	-	125.00000	10,363 m		
5100N12500E	-	51.00000	34,000 ft	60	-
LATLON	-	125.00000	10,363 m		
5000N12500E	-	50.00000	34,000 ft	60	-
LATLON	-	125.00000	10,363 m		
TEPOD	-	47.80000	34,000 ft	158	-
FIX	-	122.77167	10,363 m		
ELPUN	-	46.30833	34,000 ft	113	-
FIX	-	121.07167	10,363 m		
IKITI	A345	45.91500	35,000 ft	24	-
FIX	AWY-HI	121.23500	10,668 m		
TGO	W27	43.56000	35,000 ft	147	TONGLIAO VOR-DME
VOR	AWY-HI	122.19833	10,668 m		
BEDOG	G212	41.46000	26,000 ft	206	-
FIX	AWY-HI	118.50667	7,925 m		
LR	G212	40.63333	9,000 ft	81	GUBEIKOU NDB
NDB	AWY-HI	117.08333	2,743 m		
ZBAA	-	40.08012	0 ft	40	CAPITAL INTL

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
APT	-	116.58456	0 m		

KMSP

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

Elevation: 841 ft / 256 m
Location: 44.881900 -93.222000
Magnetic Var: 0.277 W

METAR

KMSP 120553Z 17007KT 10SM SCT180 BKN200 18/02 A2974 RMK A02 SLP067 T01830022 10244 20178 402440089 58005

TAF

TAF KMSP 120520Z 1206/1312 20009KT P6SM SCT250 FM121600 25011KT P6SM FEW250 FM122000 30013G22KT P6SM FEW250 FM1300

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

ZBAA

Region: CHINA
Timezone: ASIA/SHANGHAI
Runways: 3

Elevation: 115 ft / 35 m
Location: 40.078700 116.595000
Magnetic Var: 7.353 W

METAR

ZBAA 120630Z VRB01MPS CAVOK 28/00 Q1013 NOSIG

TAF

TAF TAF ZBAA 120304Z 1206/1306 33003MPS CAVOK TX29/1207Z TN13/1221Z

Frequencies

REC - 127.60 MHz - ATIS	REC - 128.65 MHz - ATIS
CLD - 121.60 MHz - BEIJING DELIVERY	CLD - 121.65 MHz - BEIJING DELIVERY
GND - 121.90 MHz - BEIJING GROUND	GND - 121.80 MHz - BEIJING GROUND
GND - 121.70 MHz - BEIJING GROUND	GND - 121.75 MHz - BEIJING GROUND
GND - 121.85 MHz - BEIJING GROUND	GND - 122.22 MHz - BEIJING APRON
GND - 122.65 MHz - BEIJING APRON	TWR - 124.30 MHz - BEIJING TOWER
TWR - 118.50 MHz - BEIJING TOWER	TWR - 118.60 MHz - BEIJING TOWER
APP - 126.10 MHz - BEIJING APPROACH	APP - 119.00 MHz - BEIJING APPROACH
APP - 126.50 MHz - BEIJING APPROACH	APP - 121.10 MHz - BEIJING APPROACH
APP - 119.70 MHz - BEIJING APPROACH	APP - 124.70 MHz - BEIJING APPROACH
APP - 127.75 MHz - BEIJING APPROACH	APP - 120.60 MHz - BEIJING APPROACH
APP - 125.50 MHz - BEIJING APPROACH	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
01	195 ft	12,481 ft	353.17	CONCRETE	0 ft	394 ft
	59 m	3,804 m	0.53		0 m	120 m
19	195 ft	12,481 ft	173.17	CONCRETE	0 ft	397 ft
	59 m	3,804 m	180.52		0 m	121 m
18L	197 ft	12,493 ft	173.17	ASPHALT	0 ft	190 ft
	60 m	3,808 m	180.52		0 m	58 m
36R	197 ft	12,493 ft	353.17	ASPHALT	0 ft	190 ft
	60 m	3,808 m	0.53		0 m	58 m
18R	164 ft	10,512 ft	173.15	ASPHALT	0 ft	200 ft
	50 m	3,204 m	180.50		0 m	61 m
36L	164 ft	10,512 ft	353.15	ASPHALT	0 ft	200 ft
	50 m	3,204 m	0.50		0 m	61 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
18R	DME	ILG	110.30 MHz	18 nm	-	-	135 ft
				33 km	-		135 m
01	LOC-ILS	INJ	108.50 MHz	18 nm	353.17	-	116 ft
				33 km	0.52		116 m
18L	LOC-ILS	IOR	109.30 MHz	18 nm	173.17	-	116 ft
				33 km	180.52		116 m
18R	LOC-ILS	ILG	110.30 MHz	18 nm	173.15	-	116 ft
				33 km	180.50		116 m
19	LOC-ILS	ISZ	108.90 MHz	18 nm	173.17	-	116 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				33 km	180.52		116 m
36L	LOC-ILS	IDK	111.70 MHz	18 nm	353.15	-	116 ft
				33 km	0.50		116 m
36R	LOC-ILS	IQU	109.90 MHz	18 nm	353.10	-	116 ft
				33 km	0.45		116 m
01	GS	INJ	108.50 MHz	10 nm	353.17	3.00	116 ft
				19 km	0.52		116 m
18L	GS	IOR	109.30 MHz	10 nm	173.17	3.00	116 ft
				19 km	180.52		116 m
18R	GS	ILG	110.30 MHz	10 nm	173.15	3.00	116 ft
				19 km	180.50		116 m
19	GS	ISZ	108.90 MHz	10 nm	173.17	3.20	116 ft
				19 km	180.52		116 m
36L	GS	IDK	111.70 MHz	10 nm	353.15	3.00	116 ft
				19 km	0.50		116 m
36R	GS	IQU	109.90 MHz	10 nm	353.17	3.00	116 ft
				19 km	0.52		116 m