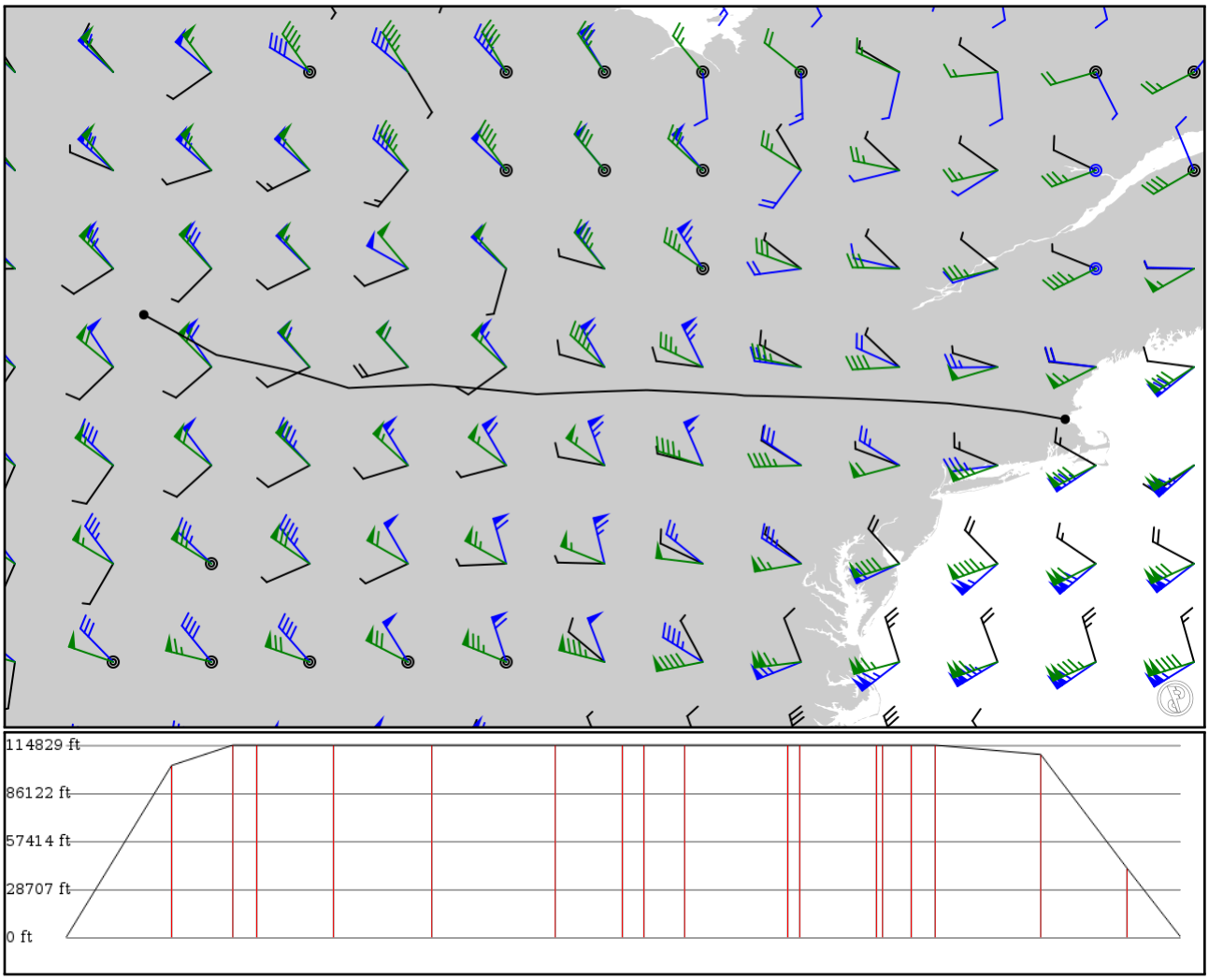
KMSP – KBOS

Minneapolis-St Paul International Airport — General Edward Lawrence Logan Intl

2024/03/19 0858Z

KMSP ODI **J34** BAE **J36** FNT **Q818** WOZEE **Q935** GDM KBOS

1005.76 nm / 1862.66 km



Notes

Basic altitude profile:
- Ascent Rate: 2500ft/min
- Ascent Speed: 320kts
- Cruise Altitude: 35000ft
- Cruise Speed: 455kts
- Descent Rate: 2000ft/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	– –	44.88190 -93.22200	0 ft 0 m	–	Minneapolis-St Paul International Airport
ODI VOR	– –	43.91230 -91.46750	31,300 ft 9,540 m	95	NODINE
HILRO FIX	J34 AWY-HI	43.65170 -90.22490	35,000 ft 10,668 m	56	–
DLL VOR	J34 AWY-HI	43.55080 -89.76360	35,000 ft 10,668 m	20	DELLS (BARABOO)
BAE VOR	J34 AWY-HI	43.11690 -88.28430	35,000 ft 10,668 m	69	BADGER (MILWAUKEE)
DABJU FIX	J36 AWY-HI	43.19840 -86.27330	35,000 ft 10,668 m	88	–
FNT VOR	J36 AWY-HI	42.96680 -83.74700	35,000 ft 10,668 m	111	FLINT
TANKO FIX	Q818 AWY-HI	43.02570 -82.38400	35,000 ft 10,668 m	59	–
KITOK FIX	Q818 AWY-HI	43.04180 -81.92660	35,000 ft 10,668 m	20	–
DERLO FIX	Q818 AWY-HI	43.06640 -81.09530	35,000 ft 10,668 m	36	–
IKNAV FIX	Q818 AWY-HI	42.96190 -78.96780	35,000 ft 10,668 m	93	–
WOZEE FIX	Q818 AWY-HI	42.93380 -78.73880	35,000 ft 10,668 m	10	–
HANKK FIX	Q935 AWY-HI	42.89500 -77.15420	35,000 ft 10,668 m	69	–
JOSSY FIX	Q935 AWY-HI	42.89160 -77.04360	35,000 ft 10,668 m	4	–
AUDIL FIX	Q935 AWY-HI	42.87190 -76.44310	35,000 ft 10,668 m	26	–
FABEN FIX	Q935 AWY-HI	42.85330 -75.95220	35,000 ft 10,668 m	21	–
PONCT FIX	Q935 AWY-HI	42.74690 -73.81340	33,300 ft 10,150 m	94	–
GDM VOR	Q935 AWY-HI	42.54590 -72.05820	12,600 ft 3,840 m	78	GARDNER
KBOS APT	– –	42.36300 -71.00680	0 ft 0 m	47	General Edward Lawrence Logan Intl

KMSP

Region: UNITED STATES
Timezone: AMERICA/CHICAGO
Runways: 4
Elevation: 841 ft / 256 m
Location: 44.881900 -93.222000
Magnetic Var: 0.266 W

METAR

KMSP 190753Z 24011G19KT 10SM CLR 02/M14 A2967 RMK AO2 SLP055 T00221139

TAF

KMSP 190533Z 1906/2012 23016G26KT P6SM SCT250 WS020/24045KT FM190800 26012G20KT P6SM FEW250 FM191100 30015G24KT P

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 46 m	8,008 ft 2,441 m	169.56 169.82	CONCRETE	0 ft 0 m	397 ft 121 m
35	150 ft 46 m	8,008 ft 2,441 m	349.56 349.83	CONCRETE	0 ft 0 m	394 ft 120 m
12L	150 ft 46 m	8,190 ft 2,496 m	121.42 121.68	CONCRETE	0 ft 0 m	397 ft 121 m
30R	150 ft 46 m	8,190 ft 2,496 m	301.44 301.70	CONCRETE	203 ft 62 m	394 ft 120 m
12R	200 ft 61 m	9,985 ft 3,043 m	121.42 121.69	CONCRETE	0 ft 0 m	1,194 ft 364 m
30L	200 ft 61 m	9,985 ft 3,043 m	301.44 301.71	CONCRETE	0 ft 0 m	781 ft 238 m
04	150 ft 46 m	11,118 ft 3,389 m	44.90 45.17	CONCRETE	1,660 ft 506 m	0 ft 0 m
22	150 ft 46 m	11,118 ft 3,389 m	224.92 225.19	CONCRETE	0 ft 0 m	410 ft 125 m

Approach Navaids

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

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
30R	DME	IINN	110.70 MHz	18 nm 33 km	– –	–	813 ft 813 m
35	DME	IBMA	110.95 MHz	18 nm 33 km	– –	–	822 ft 822 m
12L	LOC-ILS	IPJL	110.70 MHz	18 nm 33 km	121.43 121.70	–	841 ft 841 m
12R	LOC-ILS	IHKZ	110.30 MHz	18 nm 33 km	121.44 121.71	–	841 ft 841 m
30L	LOC-ILS	IMSP	110.30 MHz	18 nm 33 km	301.44 301.71	–	841 ft 841 m
30R	LOC-ILS	IINN	110.70 MHz	18 nm 33 km	301.43 301.70	–	841 ft 841 m
35	LOC-ILS	IBMA	110.95 MHz	18 nm 33 km	349.56 349.83	–	841 ft 841 m
04	LOC-LOC	IAPL	109.30 MHz	18 nm 33 km	44.92 45.19	–	841 ft 841 m
17	LOC-LOC	ITJZ	110.95 MHz	18 nm 33 km	169.56 169.83	–	841 ft 841 m
22	LOC-LOC	ISIJ	110.50 MHz	18 nm 33 km	224.92 225.19	–	841 ft 841 m
12L	GS	IPJL	110.70 MHz	10 nm 19 km	121.43 121.70	3.00	841 ft 841 m
12R	GS	IHKZ	110.30 MHz	10 nm 19 km	121.44 121.71	3.00	841 ft 841 m
30L	GS	IMSP	110.30 MHz	10 nm 19 km	301.44 301.71	3.00	841 ft 841 m
30R	GS	IINN	110.70 MHz	10 nm 19 km	301.43 301.70	3.00	841 ft 841 m
35	GS	IBMA	110.95 MHz	10 nm 19 km	349.56 349.83	3.00	841 ft 841 m

KBOS

Region: UNITED STATES
Timezone: AMERICA/NEW_YORK
Runways: 6

Elevation: 19 ft / 6 m
Location: 42.363000 -71.006800
Magnetic Var: 14.295 W

METAR

KBOS 190754Z COR 28014G20KT 10SM OVC095 02/M02 A2958 RMK AO2 SLP016 T00221022

TAF

TAF AMD KBOS 190808Z 1908/2012 28012G20KT P6SM BKN080 FM192000 28012KT P6SM SCT050 FM200000 25008KT P6SM BKN050 FM

Frequencies

REC - 135.00 MHz - D-ATIS
CLD - 121.65 MHz - CLEARANCE DELIVERY
GND - 121.90 MHz - BOSTON GROUND
TWR - 124.72 MHz - BOSTON TOWER
APP - 118.25 MHz - BOSTON APPROACH
APP - 127.20 MHz - BOSTON APPROACH

COM - 122.95 MHz - UNICOM
GND - 121.75 MHz - BOSTON GROUND
TWR - 128.80 MHz - BOSTON TOWER
TWR - 132.22 MHz - BOSTON TOWER
APP - 120.60 MHz - BOSTON APPROACH
DEP - 133.00 MHz - BOSTON DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
15R	148 ft 45 m	10,092 ft 3,076 m	135.27 149.57	ASPHALT	883 ft 269 m	197 ft 60 m
33L	148 ft 45 m	10,092 ft 3,076 m	315.29 329.58	ASPHALT	0 ft 0 m	167 ft 51 m
04R	148 ft 45 m	10,012 ft 3,052 m	19.69 33.98	ASPHALT	1,155 ft 352 m	420 ft 128 m
22L	148 ft 45 m	10,012 ft 3,052 m	199.69 213.99	ASPHALT	1,201 ft 366 m	200 ft 61 m
04L	148 ft 45 m	7,871 ft 2,399 m	19.66 33.95	ASPHALT	0 ft 0 m	1,250 ft 381 m
22R	148 ft 45 m	7,871 ft 2,399 m	199.66 213.96	ASPHALT	820 ft 250 m	200 ft 61 m
09	148 ft 45 m	7,008 ft 2,136 m	76.51 90.81	ASPHALT	0 ft 0 m	932 ft 284 m
27	148 ft 45 m	7,008 ft 2,136 m	256.53 270.82	ASPHALT	0 ft 0 m	161 ft 49 m
14	98 ft 30 m	5,005 ft 1,526 m	125.76 140.06	ASPHALT	0 ft 0 m	0 ft 0 m
32	98 ft 30 m	5,005 ft 1,526 m	305.77 320.07	ASPHALT	0 ft 0 m	801 ft 244 m
15L	98 ft 30 m	2,558 ft 780 m	135.31 149.60	ASPHALT	0 ft 0 m	305 ft 93 m
33R	98 ft 30 m	2,558 ft 780 m	315.31 329.61	ASPHALT	0 ft 0 m	59 ft 18 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
04R	DME	IBOS	110.30 MHz	18 nm 33 km	- -	-	35 ft 35 m
15R	DME	IMDC	110.70 MHz	18 nm 33 km	- -	-	27 ft 27 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
22L	DME	ILQN	110.30 MHz	18 nm 33 km	– –	–	35 ft 35 m
27	DME	IDGU	111.30 MHz	18 nm 33 km	– –	–	28 ft 28 m
33L	DME	ILIP	110.70 MHz	18 nm 33 km	– –	–	19 ft 19 m
04R	LOC-ILS	IBOS	110.30 MHz	18 nm 33 km	19.68 33.98	–	20 ft 20 m
15R	LOC-ILS	IMDC	110.70 MHz	18 nm 33 km	135.28 149.58	–	20 ft 20 m
22L	LOC-ILS	ILQN	110.30 MHz	18 nm 33 km	199.68 213.98	–	20 ft 20 m
27	LOC-ILS	IDGU	111.30 MHz	18 nm 33 km	256.52 270.82	–	20 ft 20 m
33L	LOC-ILS	ILIP	110.70 MHz	18 nm 33 km	315.28 329.58	–	20 ft 20 m
04R	GS	IBOS	110.30 MHz	10 nm 19 km	19.68 33.98	3.00	20 ft 20 m
15R	GS	IMDC	110.70 MHz	10 nm 19 km	135.28 149.58	3.00	20 ft 20 m
22L	GS	ILQN	110.30 MHz	10 nm 19 km	199.68 213.98	3.00	20 ft 20 m
27	GS	IDGU	111.30 MHz	10 nm 19 km	256.52 270.82	3.00	20 ft 20 m
33L	GS	ILIP	110.70 MHz	10 nm 19 km	315.28 329.58	3.00	20 ft 20 m