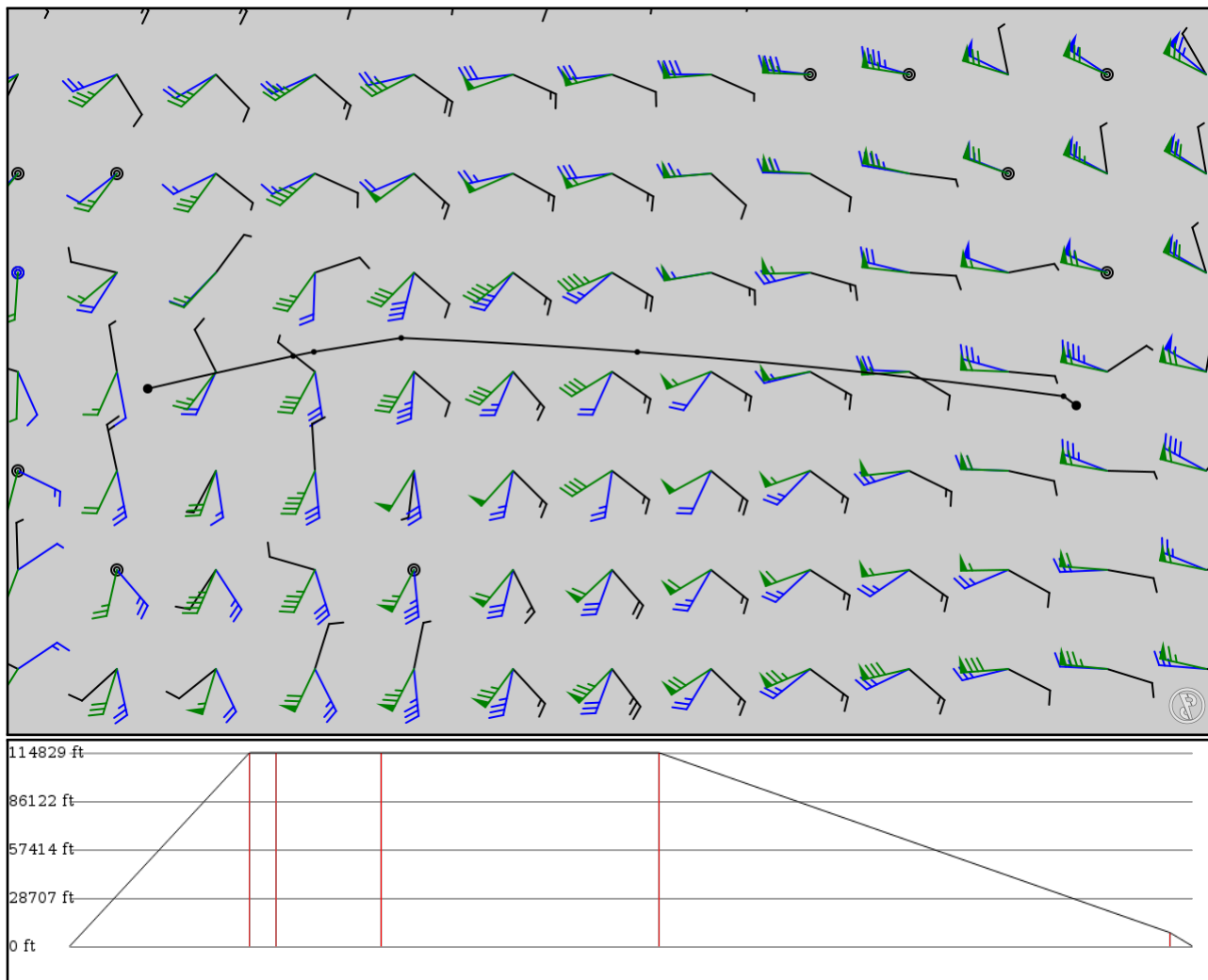


2024/05/05 0632Z

KBIL ASHLI V2 KIXCO Q146 TIMMR Q812 WELOK KSTC

616.29 nm / 1141.36 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
KBIL APT	-	45.80770 -108.54600	0 ft 0 m	-	Billings Logan Intl
ASHLI FIX	-	46.31670 -106.27700	35,000 ft 10,668 m	99	-
MLS VOR	V2 AWY-LO	46.38220 -105.95400	35,000 ft 10,668 m	13	MILES CITY
KIXCO FIX	V2 AWY-LO	46.59880 -104.59100	35,000 ft 10,668 m	57	-
TIMMR FIX	Q146 AWY-HI	46.38040 -100.90800	35,000 ft 10,668 m	152	-
WELOK FIX	Q812 AWY-HI	45.69060 -94.25800	2,500 ft 762 m	280	-
KSTC APT	-	45.54600 -94.05950	0 ft 0 m	12	St. Cloud Regl

KBIL

Region: UNITED STATES
Timezone: AMERICA/DENVER
Runways: 3

Elevation: 3,662 ft / 1,116 m
Location: 45.807700 -108.546000
Magnetic Var: 9.957 E

METAR

KBIL 050553Z 04005KT 10SM BKN250 08/M04 A2971 RMK A02 SLP055 T00781044 10183 20078 58015

TAF

KBIL 050534Z 0506/0606 04009KT P6SM SCT200 FM051200 VRB06KT P6SM SCT100 BKN200 FM052100 30010KT P6SM SCT080 BKN120

Frequencies

COM - 122.95 MHz - BILLINGS UNICOM	REC - 126.30 MHz - ATIS
GND - 121.90 MHz - BILLINGS GROUND	TWR - 127.20 MHz - BILLINGS TOWER (1)
TWR - 257.80 MHz - BILLINGS TOWER (2)	DEP - 119.20 MHz - BILLINGS DEPARTURE (EAST)
APP - 119.20 MHz - BILLINGS APPROACH (EAST)	APP - 120.50 MHz - BILLINGS APPROACH (WEST)
DEP - 120.50 MHz - BILLINGS DEPARTURE (WEST)	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
10L	150 ft	10,493 ft	111.77	ASPHALT	0 ft	200 ft
	46 m	3,198 m	101.82		0 m	61 m
28R	150 ft	10,493 ft	291.80	ASPHALT	0 ft	200 ft
	46 m	3,198 m	281.84		0 m	61 m
07	75 ft	5,488 ft	83.97	ASPHALT	0 ft	0 ft
	23 m	1,673 m	74.01		0 m	0 m
25	75 ft	5,488 ft	263.99	ASPHALT	0 ft	0 ft
	23 m	1,673 m	254.03		0 m	0 m
10R	75 ft	3,793 ft	111.70	ASPHALT	0 ft	0 ft
	23 m	1,156 m	101.74		0 m	0 m
28L	75 ft	3,793 ft	291.71	ASPHALT	0 ft	0 ft
	23 m	1,156 m	281.75		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
28R	DME	IBMO	111.50 MHz	18 nm	-	-	3,649 ft
				33 km	-		3,649 m
10L	LOC-ILS	IBIL	110.30 MHz	18 nm	111.80	-	3,492 ft
				33 km	101.84		3,492 m
28R	LOC-ILS	IBMO	111.50 MHz	18 nm	291.77	-	3,584 ft
				33 km	281.81		3,584 m
10L	GS	IBIL	110.30 MHz	10 nm	112.57	3.00	3,571 ft
				19 km	102.61		3,571 m
28R	GS	IBMO	111.50 MHz	10 nm	292.57	3.00	3,488 ft
				19 km	282.61		3,488 m

KSTC

Region: UNITED STATES
Timezone: AMERICA/CHICAGO
Runways: 2

Elevation: 1,029 ft / 314 m
Location: 45.546000 -94.059500
Magnetic Var: 0.334 E

METAR

KSTC 050553Z AUTO 30003KT 10SM CLR 08/03 A3002 RMK A02 SLP177 T00780028 10167 20072 401780072 51005

TAF

TAF KSTC 050520Z 0506/0606 00000KT P6SM SKC TEMPO 0510/0513 5SM MIFG FM051600 18007KT P6SM SKC

Frequencies

REC - 119.37 MHz - ATIS
GND - 123.75 MHz - ST. CLOUD GROUND
COM - 118.25 MHz - ST. CLOUD UNICOM
TWR - 118.25 MHz - ST CLOUD TOWER

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
13	151 ft	7,507 ft	136.05	CONCRETE	0 ft	197 ft
	46 m	2,288 m	135.71		0 m	60 m
31	151 ft	7,507 ft	316.06	CONCRETE	505 ft	187 ft
	46 m	2,288 m	315.73		154 m	57 m
05	75 ft	3,001 ft	59.19	ASPHALT	0 ft	0 ft
	23 m	915 m	58.86		0 m	0 m
23	75 ft	3,001 ft	239.20	ASPHALT	0 ft	0 ft
	23 m	915 m	238.87		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
31	LOC-ILS	ISTC	111.90 MHz	18 nm	316.06	-	1,029 ft
				33 km	315.73		1,029 m
13	LOC-ILS	IBPM	111.90 MHz	18 nm	136.06	-	1,029 ft
				33 km	135.73		1,029 m
31	GS	ISTC	111.90 MHz	10 nm	316.06	3.00	1,029 ft
				19 km	315.73		1,029 m
13	GS	IBPM	111.90 MHz	10 nm	136.06	3.00	1,029 ft
				19 km	135.73		1,029 m