

KCMH

Columbus-John Glenn Intl

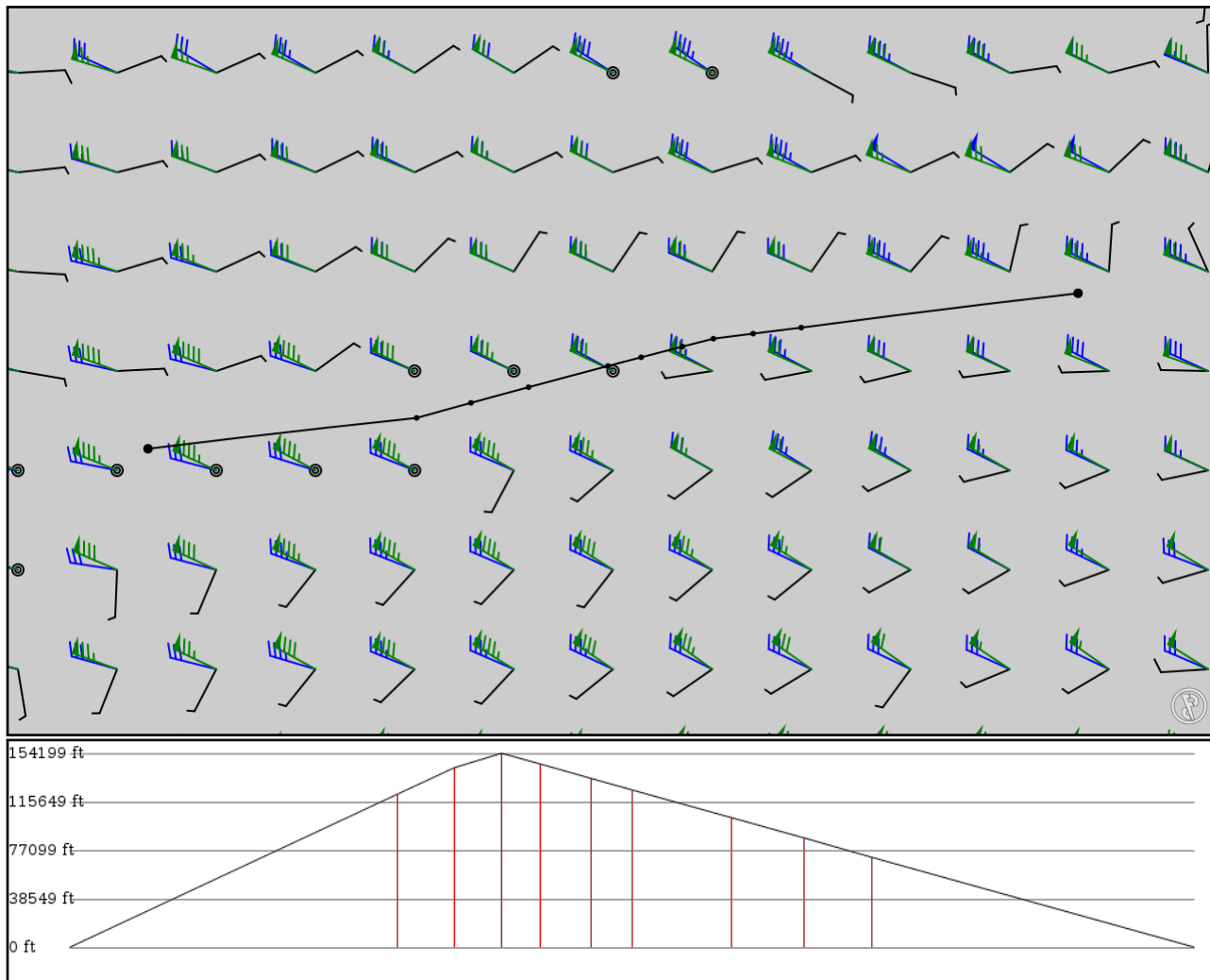
KSTL

St. Louis Lambert Intl

2024/06/07 0447Z

KCMH VOCCA V12 JOVAR KSTL

356.36 nm / 659.97 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 330000ft
- 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
KCMH	-	39.99690	0 ft	-	Columbus-John Glenn Intl
APT	-	-82.89220	0 m		
VOCCA	-	39.72130	37,100 ft	103	-
FIX	-	-85.11780	11,308 m		
CUPJU	V12	39.67320	43,500 ft	18	-
FIX	AWY-LO	-85.50490	13,259 m		
SHB	V12	39.63250	47,000 ft	14	SHELBYVILLE
VOR	AWY-LO	-85.82430	14,326 m		
OZMOE	V12	39.56920	44,400 ft	12	-
FIX	AWY-LO	-86.07250	13,533 m		
ZARHO	V12	39.48330	40,900 ft	16	-
FIX	AWY-LO	-86.40500	12,466 m		
KELLY	V12	39.41370	38,100 ft	13	-
FIX	AWY-LO	-86.67140	11,613 m		
LUPCE	V12	39.24330	31,400 ft	31	-
FIX	AWY-LO	-87.31040	9,571 m		
WORKE	V12	39.11750	26,500 ft	22	-
FIX	AWY-LO	-87.77370	8,077 m		
JOVAR	V12	38.99660	21,800 ft	21	-
FIX	AWY-LO	-88.21030	6,645 m		
KSTL	-	38.74900	0 ft	102	St. Louis Lambert Intl
APT	-	-90.37040	0 m		

KCMH

Region: UNITED STATES

Timezone: AMERICA/NEW_YORK

Runways: 2

Elevation: 815 ft / 248 m

Location: 39.996900 -82.892200

Magnetic Var: 7.464 W

METAR

KCMH 070351Z 22004KT 10SM SCT095 21/09 A2969 RMK A02 SLP047 T02060089 \$

TAF

KCMH 062331Z 0700/0724 28010G18KT P6SM FEW060 SCT090 FM070100 28007KT P6SM FEW060 FM071400 29012G20KT P6SM FEW050

Frequencies

REC - 124.60 MHz - PORT COLUMBUS ATIS

GND - 121.90 MHz - COLUMBUS GROUND

APP - 118.20 MHz - COLUMBUS APPROACH

APP - 119.65 MHz - COLUMBUS APPROACH

COM - 122.95 MHz - COLUMBUS UNICOM

TWR - 132.70 MHz - COLUMBUS TOWER

APP - 119.15 MHz - COLUMBUS APPROACH

APP - 125.95 MHz - COLUMBUS APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
10R	150 ft	10,089 ft	94.22	ASPHALT	0 ft	200 ft
	46 m	3,075 m	101.68		0 m	61 m
28L	150 ft	10,089 ft	274.24	ASPHALT	0 ft	200 ft
	46 m	3,075 m	281.71		0 m	61 m
10L	150 ft	7,982 ft	94.20	ASPHALT	0 ft	200 ft
	46 m	2,433 m	101.66		0 m	61 m
28R	150 ft	7,982 ft	274.22	ASPHALT	0 ft	200 ft
	46 m	2,433 m	281.68		0 m	61 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
10L	DME	ICBP	109.10 MHz	18 nm	-	-	822 ft
				33 km	-		822 m
10R	DME	IAQI	108.70 MHz	18 nm	-	-	820 ft
				33 km	-		820 m
28L	DME	ICMH	108.70 MHz	18 nm	-	-	820 ft
				33 km	-		820 m
28R	DME	IONB	109.10 MHz	18 nm	-	-	822 ft
				33 km	-		822 m
10L	LOC-ILS	ICBP	109.10 MHz	18 nm	94.21	-	813 ft
				33 km	101.67		813 m
10R	LOC-ILS	IAQI	111.75 MHz	18 nm	94.23	-	813 ft
				33 km	101.69		813 m
28L	LOC-ILS	ICMH	111.75 MHz	18 nm	274.23	-	813 ft
				33 km	281.69		813 m
28R	LOC-ILS	IONB	109.10 MHz	18 nm	274.21	-	813 ft
				33 km	281.67		813 m
10L	GS	ICBP	109.10 MHz	10 nm	94.21	3.00	813 ft
				19 km	101.67		813 m
10R	GS	IAQI	111.75 MHz	10 nm	94.23	3.00	813 ft
				19 km	101.69		813 m
28L	GS	ICMH	111.75 MHz	10 nm	274.23	3.00	813 ft
				19 km	281.69		813 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
28R	GS	IONB	109.10 MHz	10 nm	274.21	3.00	813 ft
				19 km	281.67		813 m

KSTL

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

Elevation: 604 ft / 184 m
Location: 38.749000 -90.370400
Magnetic Var: 1.969 W

METAR

KSTL 070351Z 29006KT 10SM CLR 22/07 A2986 RMK A02 SLP100 T02170072 \$

TAF

KSTL 070300Z 0703/0806 29005KT P6SM SKC FM080200 12005KT P6SM SCT100

Frequencies

REC - 125.05 MHz - D-ATIS	COM - 122.95 MHz - UNICOM
CLD - 119.50 MHz - CLEARANCE DELIVERY	GND - 127.55 MHz - ST. LOUIS GROUND
GND - 121.07 MHz - ST. LOUIS GROUND	GND - 121.65 MHz - ST. LOUIS GROUND
GND - 121.90 MHz - ST. LOUIS GROUND	GND - 118.92 MHz - ST. LOUIS GROUND
TWR - 132.47 MHz - ST. LOUIS TOWER	TWR - 120.05 MHz - ST. LOUIS TOWER
TWR - 118.50 MHz - ST. LOUIS TOWER	APP - 132.12 MHz - ST. LOUIS APPROACH
APP - 121.05 MHz - ST. LOUIS APPROACH	APP - 123.70 MHz - ST. LOUIS APPROACH
DEP - 119.15 MHz - ST. LOUIS DEPARTURE	DEP - 128.10 MHz - ST. LOUIS DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
11	151 ft	9,012 ft	122.28	CONCRETE	0 ft	390 ft
	46 m	2,747 m	124.25		0 m	119 m
29	151 ft	9,012 ft	302.30	CONCRETE	0 ft	390 ft
	46 m	2,747 m	304.27		0 m	119 m
06	151 ft	7,615 ft	62.73	CONCRETE	0 ft	89 ft
	46 m	2,321 m	64.70		0 m	27 m
24	151 ft	7,615 ft	242.74	CONCRETE	0 ft	89 ft
	46 m	2,321 m	244.71		0 m	27 m
12R	200 ft	11,031 ft	122.29	CONCRETE	479 ft	164 ft
	61 m	3,362 m	124.26		146 m	50 m
30L	200 ft	11,031 ft	302.31	CONCRETE	213 ft	187 ft
	61 m	3,362 m	304.28		65 m	57 m
12L	151 ft	9,012 ft	122.32	CONCRETE	0 ft	121 ft
	46 m	2,747 m	124.29		0 m	37 m
30R	151 ft	9,012 ft	302.33	CONCRETE	0 ft	200 ft
	46 m	2,747 m	304.30		0 m	61 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
06	DME	IJAK	110.30 MHz	18 nm	-	-	556 ft
				33 km	-		556 m
11	DME	IOGZ	111.95 MHz	18 nm	-	-	548 ft
				33 km	-		548 m
12L	DME	ILDZ	108.90 MHz	18 nm	-	-	616 ft
				33 km	-		616 m
24	DME	ISTL	110.30 MHz	18 nm	-	-	540 ft
				33 km	-		540 m
29	DME	IRQN	111.95 MHz	18 nm	-	-	608 ft
				33 km	-		608 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
30R	DME	ISJW	111.30 MHz	18 nm 33 km	- -	-	546 ft 546 m
06	LOC-ILS	IJAK	110.30 MHz	18 nm 33 km	62.72 64.69	-	541 ft 541 m
11	LOC-ILS	I0GZ	111.95 MHz	18 nm 33 km	122.29 124.26	-	545 ft 545 m
12L	LOC-ILS	ILDZ	108.90 MHz	18 nm 33 km	122.31 124.28	-	598 ft 598 m
12R	LOC-ILS	ILMR	109.70 MHz	18 nm 33 km	122.30 124.27	-	588 ft 588 m
24	LOC-ILS	ISTL	110.30 MHz	18 nm 33 km	242.73 244.70	-	545 ft 545 m
29	LOC-ILS	IRQN	111.95 MHz	18 nm 33 km	302.27 304.24	-	613 ft 613 m
30L	LOC-ILS	IBKY	111.50 MHz	18 nm 33 km	302.29 304.26	-	549 ft 549 m
30R	LOC-ILS	ISJW	111.30 MHz	18 nm 33 km	302.30 304.26	-	530 ft 530 m
06	GS	IJAK	110.30 MHz	10 nm 19 km	63.45 65.42	3.00	539 ft 539 m
11	GS	I0GZ	111.95 MHz	10 nm 19 km	122.56 124.53	3.00	598 ft 598 m
12L	GS	ILDZ	108.90 MHz	10 nm 19 km	122.62 124.59	3.00	598 ft 598 m
12R	GS	ILMR	109.70 MHz	10 nm 19 km	122.61 124.58	3.00	528 ft 528 m
24	GS	ISTL	110.30 MHz	10 nm 19 km	243.45 245.42	3.00	528 ft 528 m
29	GS	IRQN	111.95 MHz	10 nm 19 km	302.56 304.53	3.00	556 ft 556 m
30L	GS	IBKY	111.50 MHz	10 nm 19 km	302.61 304.58	3.00	566 ft 566 m
30R	GS	ISJW	111.30 MHz	10 nm 19 km	302.62 304.59	3.00	592 ft 592 m