KCLE
Cleveland Hopkins Intl

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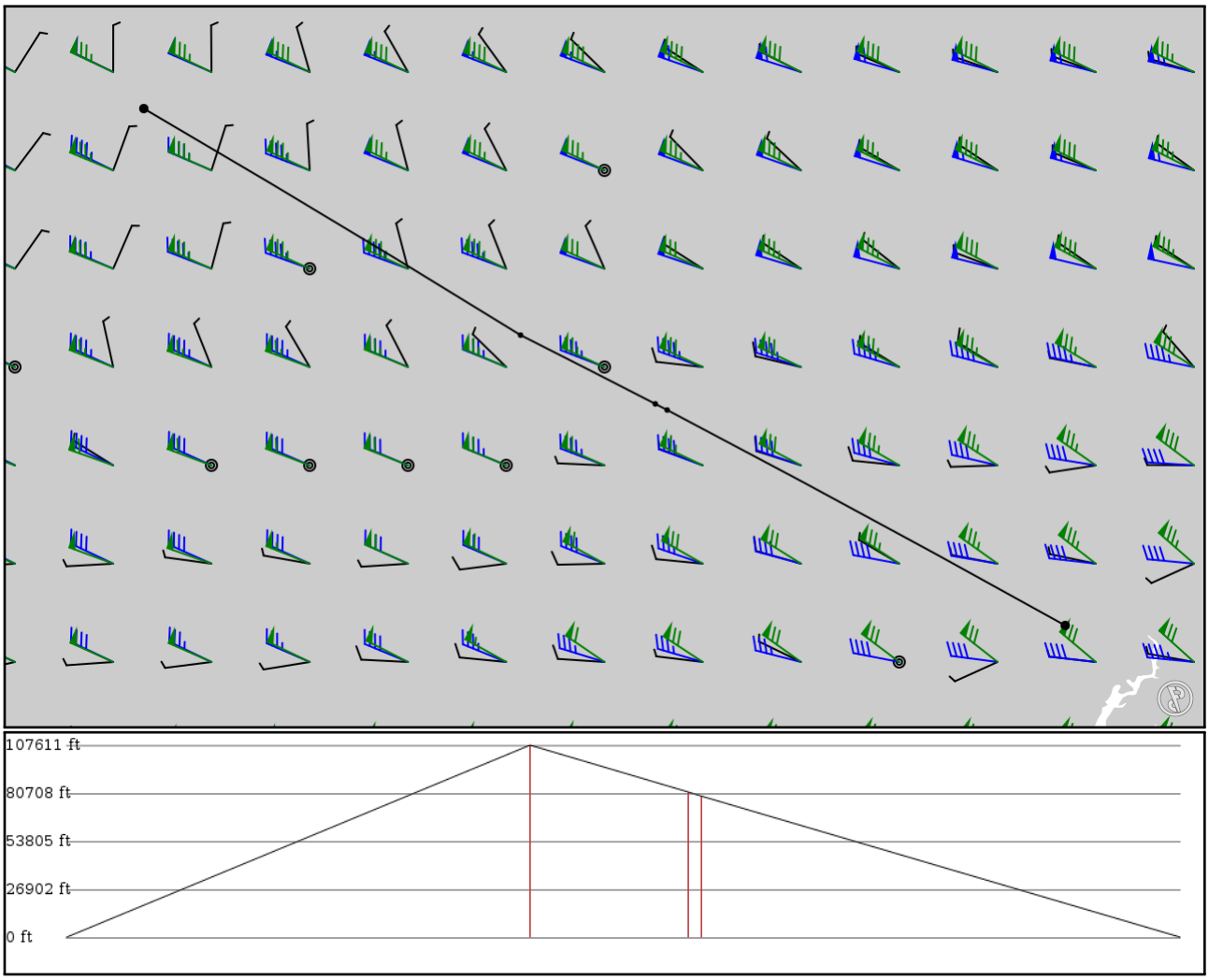
KIAD
Washington Dulles Intl

2024/05/22 0353Z

KCLE AVERE **J518** IHD KIAD

250.19 nm / 463.36 km



Notes

Basic altitude profile:
- Ascent Rate: 2500ft/min
- Ascent Speed: 300kts
- Cruise Altitude: 34000ft
- Cruise Speed: 400kts
- 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
KCLE APT	–	41.41030 -81.85340	0 ft 0 m	–	Cleveland Hopkins Intl
AVERE FIX	–	40.33100 -80.05730	32,800 ft 9,997 m	104	–
LEJOY FIX	J518 AWY-HI	40.00340 -79.41490	24,800 ft 7,559 m	35	–
IHD VOR	J518 AWY-HI	39.97420 -79.35840	24,100 ft 7,346 m	3	INDIAN HEAD
KIAD APT	–	38.94770 -77.46090	0 ft 0 m	107	Washington Dulles Intl

KCLE

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

Elevation: 791 ft / 241 m
Location: 41.410300 -81.853400
Magnetic Var: 8.387 W

METAR

KCLE 220251Z 18011KT 10SM CLR 26/14 A2981 RMK AO2 SLP103 T02610144 55004

TAF

TAF AMD KCLE 220340Z 2204/2306 18011KT P6SM FEW250 FM221400 21013G21KT 6SM -SHRA VCTS BKN050CB FM221800 23013G21K

Frequencies

REC - 127.85 MHz - ATIS
GND - 121.70 MHz - CLEVELAND GROUND
DEP - 118.15 MHz - CLEVELAND DEPARTURE
COM - 122.95 MHz - UNICOM

TWR - 120.90 MHz - CLEVELAND TOWER
APP - 124.00 MHz - CLEVELAND APPROACH
CLD - 125.05 MHz - CLEARANCE DELIVERY

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
10	151 ft 46 m	6,023 ft 1,836 m	93.31 101.70	CONCRETE	0 ft 0 m	430 ft 131 m
28	151 ft 46 m	6,023 ft 1,836 m	273.33 281.71	CONCRETE	0 ft 0 m	443 ft 135 m
06L	151 ft 46 m	9,008 ft 2,746 m	49.83 58.22	CONCRETE	0 ft 0 m	394 ft 120 m
24R	151 ft 46 m	9,008 ft 2,746 m	229.85 238.24	CONCRETE	0 ft 0 m	203 ft 62 m
06R	151 ft 46 m	9,967 ft 3,038 m	49.84 58.23	CONCRETE	1,932 ft 589 m	387 ft 118 m
24L	151 ft 46 m	9,967 ft 3,038 m	229.86 238.25	CONCRETE	0 ft 0 m	203 ft 62 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
06L	DME	ILIZ	111.55 MHz	18 nm 33 km	- -	-	783 ft 783 m
24L	DME	IHPI	109.90 MHz	18 nm 33 km	- -	-	772 ft 772 m
24R	DME	IPVY	111.55 MHz	18 nm 33 km	- -	-	783 ft 783 m
06L	LOC-ILS	ILIZ	111.55 MHz	18 nm 33 km	49.85 58.24	-	791 ft 791 m
06R	LOC-ILS	ICLE	111.90 MHz	18 nm 33 km	49.86 58.25	-	791 ft 791 m
24L	LOC-ILS	IHPI	109.90 MHz	18 nm 33 km	229.86 238.25	-	791 ft 791 m
24R	LOC-ILS	IPVY	111.55 MHz	18 nm 33 km	229.85 238.24	-	791 ft 791 m
28	LOC-ILS	IPXP	110.70 MHz	18 nm 33 km	273.32 281.71	-	791 ft 791 m
06L	GS	ILIZ	111.55 MHz	10 nm 19 km	49.85 58.24	3.00	791 ft 791 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
06R	GS	ICLE	111.90 MHz	10 nm	49.86	3.10	791 ft
				19 km	58.25		791 m
24L	GS	IHPI	109.90 MHz	10 nm	229.86	3.00	791 ft
				19 km	238.25		791 m
24R	GS	IPVY	111.55 MHz	10 nm	229.85	3.00	791 ft
				19 km	238.24		791 m
28	GS	IPXP	110.70 MHz	10 nm	273.32	3.00	791 ft
				19 km	281.71		791 m

KIAD

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

Elevation: 312 ft / 95 m
Location: 38.947700 -77.460900
Magnetic Var: 10.664 W

METAR

KIAD 220252Z 16006KT 10SM SCT250 22/15 A2997 RMK AO2 SLP147 T02170150 50005

TAF

KIAD 220257Z 2203/2306 16006KT P6SM SCT250 FM221400 20006KT P6SM FEW250 FM230300 00000KT P6SM SCT050 SCT250

Frequencies

COM - 122.95 MHz - UNICOM
CLD - 135.70 MHz - CLEARANCE DELIVERY
GND - 121.90 MHz - DULLES GROUND
TWR - 120.25 MHz - DULLES TOWER
APP - 120.45 MHz - POTOMAC APPROACH
APP - 128.52 MHz - POTOMAC APPROACH
DEP - 125.05 MHz - POTOMAC DEPARTURE
REC - 134.85 MHz - D-ATIS
GND - 121.62 MHz - DULLES GROUND
TWR - 120.10 MHz - DULLES TOWER
TWR - 134.42 MHz - DULLES TOWER
APP - 126.10 MHz - POTOMAC APPROACH
DEP - 126.65 MHz - POTOMAC DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
01L	151 ft 46 m	9,408 ft 2,868 m	0.64 11.30	CONCRETE	0 ft 0 m	404 ft 123 m
19R	151 ft 46 m	9,408 ft 2,868 m	180.64 191.30	CONCRETE	0 ft 0 m	404 ft 123 m
01C	151 ft 46 m	11,510 ft 3,508 m	0.65 11.31	CONCRETE	0 ft 0 m	407 ft 124 m
19C	151 ft 46 m	11,510 ft 3,508 m	180.65 191.31	CONCRETE	0 ft 0 m	43 ft 13 m
01R	151 ft 46 m	11,510 ft 3,508 m	0.66 11.33	CONCRETE	0 ft 0 m	43 ft 13 m
19L	151 ft 46 m	11,510 ft 3,508 m	180.66 191.33	CONCRETE	0 ft 0 m	387 ft 118 m
12	151 ft 46 m	10,513 ft 3,204 m	110.71 121.37	CONCRETE	0 ft 0 m	20 ft 6 m
30	151 ft 46 m	10,513 ft 3,204 m	290.73 301.39	CONCRETE	0 ft 0 m	387 ft 118 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
01R	DME	IIAD	110.10 MHz	18 nm 33 km	- -	-	314 ft 314 m
19L	DME	ISGC	110.10 MHz	18 nm 33 km	- -	-	314 ft 314 m
19R	DME	IISU	110.75 MHz	18 nm 33 km	- -	-	313 ft 313 m
01C	LOC-ILS	IOSZ	111.30 MHz	18 nm 33 km	0.65 11.31	-	312 ft 312 m
01R	LOC-ILS	IIAD	110.10 MHz	18 nm 33 km	0.67 11.33	-	312 ft 312 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
12	LOC-ILS	IAJU	109.30 MHz	18 nm 33 km	110.74 121.40	-	312 ft 312 m
19C	LOC-ILS	IDLX	111.30 MHz	18 nm 33 km	180.65 191.31	-	312 ft 312 m
19L	LOC-ILS	ISGC	110.10 MHz	18 nm 33 km	180.67 191.33	-	312 ft 312 m
19R	LOC-ILS	IISU	110.75 MHz	18 nm 33 km	180.58 191.24	-	312 ft 312 m
01L	LOC-ILS	IOIU	110.75 MHz	18 nm 33 km	0.58 11.24	-	312 ft 312 m
01C	GS	IOSZ	111.30 MHz	10 nm 19 km	0.65 11.31	3.00	312 ft 312 m
01R	GS	IIAD	110.10 MHz	10 nm 19 km	0.67 11.33	3.00	312 ft 312 m
12	GS	IAJU	109.30 MHz	10 nm 19 km	110.74 121.40	3.00	312 ft 312 m
19C	GS	IDLX	111.30 MHz	10 nm 19 km	180.65 191.31	3.00	312 ft 312 m
19L	GS	ISGC	110.10 MHz	10 nm 19 km	180.67 191.33	3.00	312 ft 312 m
19R	GS	IISU	110.75 MHz	10 nm 19 km	180.58 191.24	3.00	312 ft 312 m
01L	GS	IOIU	110.75 MHz	10 nm 19 km	0.58 11.24	3.00	312 ft 312 m