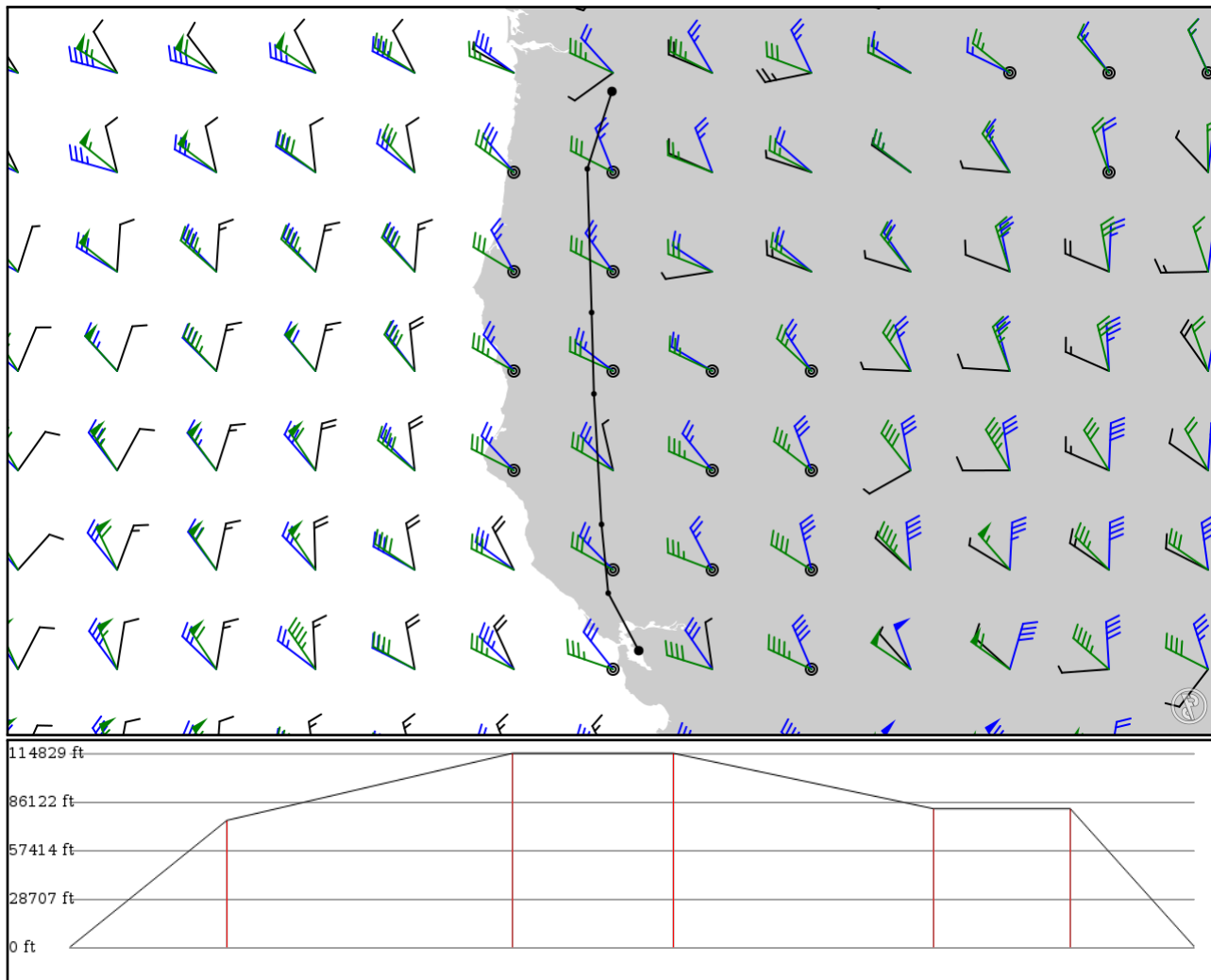


2024/05/11 0829Z

KPDX HISKU Q5 STIKM KOAK

478.33 nm / 885.87 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: no
- Use high airways: yes

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KPDX APT	-	45.58884 -122.59726	0 ft 0 m	-	PORTLAND INTL
HISKU FIX	-	44.50000 -122.94417	22,900 ft 6,980 m	67	-
HARPR FIX	Q5 AWY-HI	42.48056 -122.88376	35,000 ft 10,668 m	121	-
HOMEG FIX	Q5 AWY-HI	41.33583 -122.85139	35,000 ft 10,668 m	68	-
HUPTU FIX	Q5 AWY-HI	39.50000 -122.74417	25,000 ft 7,620 m	110	-
STIKM FIX	Q5 AWY-HI	38.53333 -122.65000	25,000 ft 7,620 m	58	-
KOAK APT	-	37.72482 -122.21952	0 ft 0 m	52	Metro Oakland Intl

KPDX

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

Elevation: 31 ft / 9 m
Location: 45.588700 -122.598000
Magnetic Var: 14.453 E

METAR

KPDX 110753Z 07003KT 10SM CLR 19/09 A2993 RMK A02 SLP133 T01940094 403280117 \$

TAF

TAF KPDX 110520Z 1106/1206 VRB03KT P6SM FEW250 FM120000 33007KT P6SM FEW250

Frequencies

REC - 128.35 MHz - D-ATIS	COM - 122.95 MHz - PORTLAND UNICOM
GND - 121.90 MHz - PORTLAND GROUND	GND - 132.27 MHz - PORTLAND GROUND
TWR - 118.70 MHz - PORTLAND TOWER	TWR - 123.77 MHz - PORTLAND TOWER
CLD - 120.12 MHz - PORTLAND CLEARANCE DELIVERY	DEP - 118.10 MHz - PORTLAND DEPARTURE
DEP - 124.35 MHz - PORTLAND DEPARTURE	DEP - 127.85 MHz - PORTLAND DEPARTURE
APP - 118.10 MHz - PORTLAND APPROACH	APP - 124.35 MHz - PORTLAND APPROACH
APP - 126.90 MHz - PORTLAND APPROACH	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
10L	150 ft	9,810 ft	119.09	ASPHALT	1,296 ft	397 ft
	46 m	2,990 m	104.64		395 m	121 m
28R	150 ft	9,810 ft	299.12	ASPHALT	538 ft	400 ft
	46 m	2,990 m	284.67		164 m	122 m
10R	150 ft	10,981 ft	119.08	CONCRETE	0 ft	397 ft
	46 m	3,347 m	104.62		0 m	121 m
28L	150 ft	10,981 ft	299.10	CONCRETE	0 ft	400 ft
	46 m	3,347 m	284.65		0 m	122 m
03	150 ft	5,994 ft	44.92	ASPHALT	0 ft	0 ft
	46 m	1,827 m	30.47		0 m	0 m
21	150 ft	5,994 ft	224.94	ASPHALT	0 ft	0 ft
	46 m	1,827 m	210.48		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
10L	DME	IVDG	111.30 MHz	18 nm	-	-	45 ft
				33 km	-		45 m
10R	DME	IPDX	110.50 MHz	18 nm	-	-	36 ft
				33 km	-		36 m
21	DME	IGPO	108.90 MHz	18 nm	-	-	33 ft
				33 km	-		33 m
28L	DME	IJMJ	110.50 MHz	18 nm	-	-	36 ft
				33 km	-		36 m
28R	DME	IIAP	111.30 MHz	18 nm	-	-	45 ft
				33 km	-		45 m
10L	LOC-ILS	IVDG	111.30 MHz	18 nm	119.12	-	30 ft
				33 km	104.67		30 m
10R	LOC-ILS	IPDX	110.50 MHz	18 nm	119.09	-	30 ft
				33 km	104.64		30 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
28L	LOC-ILS	IJMJ	110.50 MHz	18 nm	299.09	-	30 ft
				33 km	284.64		30 m
28R	LOC-ILS	IIAP	111.30 MHz	18 nm	299.11	-	30 ft
				33 km	284.66		30 m
21	LOC-LOC	IGPO	108.90 MHz	18 nm	224.93	-	30 ft
				33 km	210.48		30 m
10L	GS	IVDG	111.30 MHz	10 nm	119.11	3.00	30 ft
				19 km	104.66		30 m
10R	GS	IPDX	110.50 MHz	10 nm	119.09	3.00	30 ft
				19 km	104.64		30 m
28L	GS	IJMJ	110.50 MHz	10 nm	299.09	3.00	30 ft
				19 km	284.64		30 m
28R	GS	IIAP	111.30 MHz	10 nm	299.11	3.00	30 ft
				19 km	284.66		30 m

KOAK

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

Elevation: 8 ft / 2 m
Location: 37.725000 -122.220000
Magnetic Var: 12.840 E

METAR

KOAK 110753Z 30007KT 10SM FEW005 14/13 A2994 RMK AO2 SLP137 T01390128 402720117

TAF

KOAK 110537Z 1106/1212 31008KT P6SM SCT250 FM110800 31004KT P6SM FEW250 FM112000 30012KT P6SM FEW250

Frequencies

REC - 133.77 MHz - OAKLAND ATIS	COM - 122.95 MHz - OAKLAND UNICOM
CLD - 121.10 MHz - OAKLAND CLEARANCE DELIVERY	GND - 121.90 MHz - OAKLAND GROUND NORTH
GND - 121.75 MHz - OAKLAND GROUND SOUTH	TWR - 118.30 MHz - OAKLAND TOWER NORTH
TWR - 127.20 MHz - OAKLAND TOWER SOUTH	TWR - 124.90 MHz - OAKLAND TOWER SOUTH
APP - 125.35 MHz - NORCAL APPROACH	APP - 128.32 MHz - NORCAL APPROACH EAST
APP - 135.10 MHz - NORCAL APPROACH EAST	APP - 133.95 MHz - NORCAL APPROACH WEST
APP - 134.50 MHz - NORCAL APPROACH WEST	DEP - 120.90 MHz - NORCAL DEPARTURE NORTH WEST
DEP - 135.10 MHz - NORCAL DEPARTURE WEST	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
12	150 ft	10,530 ft	130.11	ASPHALT	0 ft	397 ft
	46 m	3,210 m	117.27		0 m	121 m
30	150 ft	10,530 ft	310.13	ASPHALT	128 ft	397 ft
	46 m	3,210 m	297.29		39 m	121 m
10R	150 ft	6,219 ft	112.25	ASPHALT	0 ft	774 ft
	46 m	1,896 m	99.41		0 m	236 m
28L	150 ft	6,219 ft	292.27	ASPHALT	0 ft	390 ft
	46 m	1,896 m	279.43		0 m	119 m
10L	150 ft	5,463 ft	112.24	ASPHALT	0 ft	390 ft
	46 m	1,665 m	99.40		0 m	119 m
28R	150 ft	5,463 ft	292.25	ASPHALT	0 ft	259 ft
	46 m	1,665 m	279.41		0 m	79 m
15	75 ft	3,379 ft	164.48	ASPHALT	0 ft	0 ft
	23 m	1,030 m	151.64		0 m	0 m
33	75 ft	3,379 ft	344.48	ASPHALT	0 ft	0 ft
	23 m	1,030 m	331.64		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
12	LOC-ILS	IAAZ	111.90 MHz	18 nm	130.11	-	8 ft
				33 km	117.27		8 m
28R	LOC-ILS	IOAK	109.90 MHz	18 nm	292.25	-	8 ft
				33 km	279.41		8 m
30	LOC-ILS	IINB	108.70 MHz	18 nm	310.11	-	8 ft
				33 km	297.27		8 m
12	GS	IAAZ	111.90 MHz	10 nm	130.11	2.75	8 ft
				19 km	117.27		8 m
28R	GS	IOAK	109.90 MHz	10 nm	292.25	3.00	8 ft
				19 km	279.41		8 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
30	GS	IINB	108.70 MHz	10 nm	310.11	3.00	8 ft
				19 km	297.27		8 m