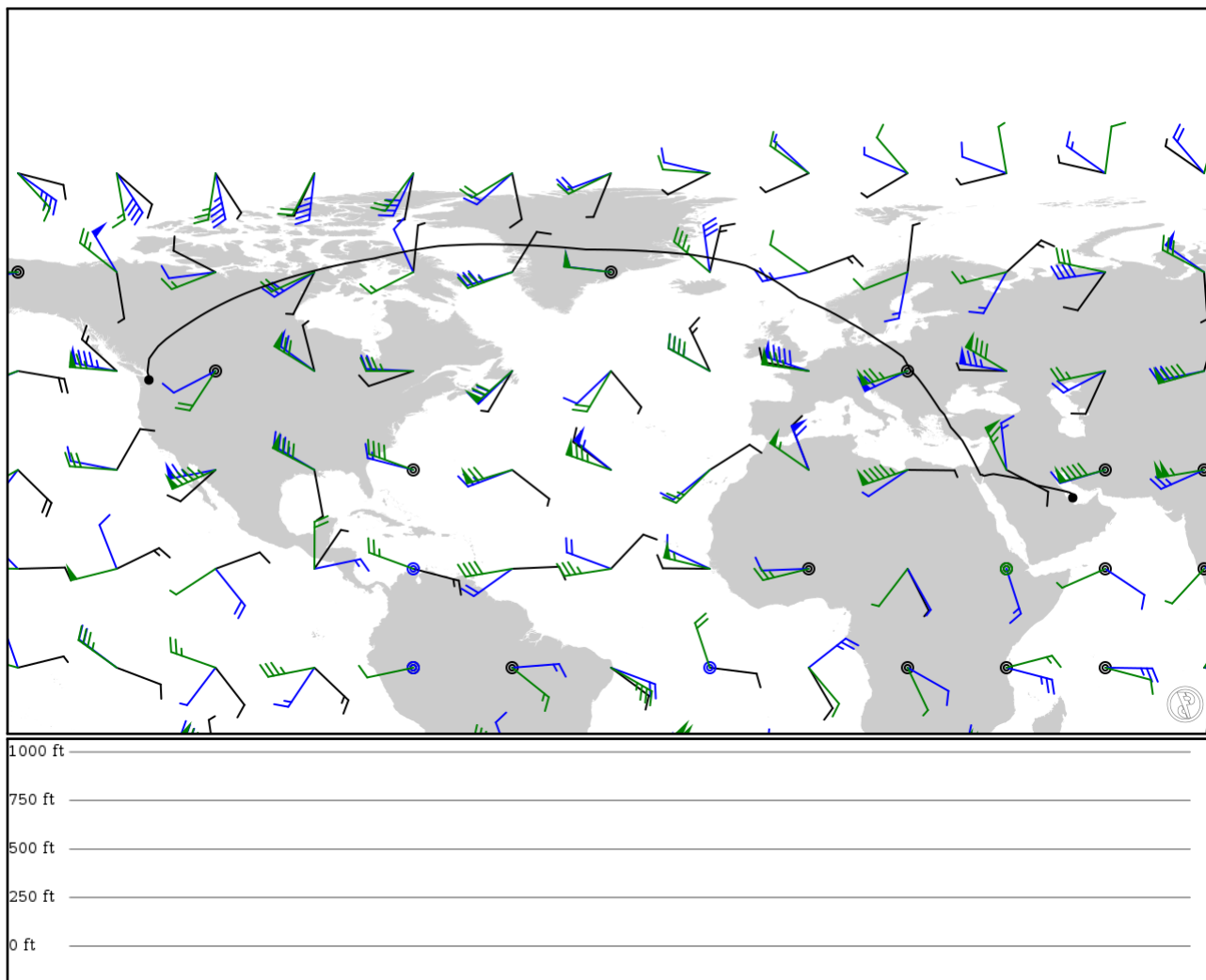


2024/05/20 1155Z

KSEA PAE HUH J534 KANOO WALUP J528 YQU 5800N11500W 6100N11000W 6530N10000W 6830N09000W
7030N08000W MEDPA 7300N06000W 7200N04000W 7100N02000W 6900N01000W ISVIG BINRO AMROR POLON LENOV
KENIN KARIL UPAMA ADORU EKI **UL854** KULAR **UT39** TOMBI DATOK TAKSU KARIK **B411** ULINA **UB411** DEESA TAMRO
N318 DEBOL LADNA **N318** VELAM **Z225** BAYAN OTHH

7120.73 nm / 13187.60 km



Notes

Requested: KSEA PAE HUH J534 KANOO WALUP J528 YQU 5800N/11500W 6100N/11000W 6530N/10000W 6830N/09000W 7030N/08000W
Unmatched points: UN739 SAFTA L324 GENIV L550 L550 L550 Y415 MAANI

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KSEA APT	-	47.45020 -122.31200	0 ft 0 m	-	Seattle-Tacoma Intl
PAE VOR	-	47.91980 -122.27800	0 ft 0 m	28	PAINE (EVERETT)
HUH VOR	-	48.94530 -122.57900	0 ft 0 m	62	WHATCOM
JBBDT FIX	J534 AWY-HI	49.00000 -122.57300	0 ft 0 m	3	-
SEATN FIX	J534 AWY-HI	50.70330 -122.36800	0 ft 0 m	102	-
KANOO FIX	J534 AWY-HI	51.47170 -122.27000	0 ft 0 m	46	-
WALUP FIX	-	53.79330 -120.57100	0 ft 0 m	152	-
HOWSE FIX	J528 AWY-HI	54.16330 -120.17000	0 ft 0 m	26	-
YQU VOR	J528 AWY-HI	55.17420 -119.03000	0 ft 0 m	72	GRANDE PRAIRIE
5800N11500W LATLON	-	58.00000 -115.00000	0 ft 0 m	215	-
6100N11000W LATLON	-	61.00000 -110.00000	0 ft 0 m	235	-
6530N10000W LATLON	-	65.30000 -100.00000	0 ft 0 m	373	-
6830N09000W LATLON	-	68.30000 -90.00000	0 ft 0 m	296	-
7030N08000W LATLON	-	70.30000 -80.00000	0 ft 0 m	243	-
MEDPA FIX	-	72.66100 -67.71330	0 ft 0 m	273	-
7300N06000W LATLON	-	73.00000 -60.00000	0 ft 0 m	138	-
7200N04000W LATLON	-	72.00000 -40.00000	0 ft 0 m	364	-
7100N02000W LATLON	-	71.00000 -20.00000	0 ft 0 m	383	-
6900N01000W LATLON	-	69.00000 -10.00000	0 ft 0 m	237	-
ISVIG FIX	-	63.00000 0.00000	0 ft 0 m	434	-
BINRO FIX	-	58.16060 9.78619	0 ft 0 m	408	-
AMROR FIX	-	54.89000 15.09720	0 ft 0 m	263	-
POLON FIX	-	51.80000 19.65610	0 ft 0 m	247	-
LENOV FIX	-	49.33640 21.01030	0 ft 0 m	156	-
KENIN FIX	-	48.36170 21.92720	0 ft 0 m	68	-
KARIL FIX	-	47.79390 22.44220	0 ft 0 m	39	-
UPAMA	-	43.62640	0 ft	279	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	-	25.41830	0 m		
ADORU	-	41.87170	0 ft	116	-
FIX	-	26.56830	0 m		
EKI	-	40.95110	0 ft	67	TEKIRDAG
VOR	-	27.42620	0 m		
MARMA	UL854	40.52720	0 ft	27	-
FIX	AWY-HI	27.64890	0 m		
YAYLA	UL854	39.86560	0 ft	42	-
FIX	AWY-HI	27.99530	0 m		
KUDAK	UL854	39.29890	0 ft	36	-
FIX	AWY-HI	28.27670	0 m		
ESKIN	UL854	39.05000	0 ft	15	-
FIX	AWY-HI	28.39810	0 m		
KULAR	UL854	38.58220	0 ft	30	-
FIX	AWY-HI	28.63280	0 m		
NESIL	UT39	37.34310	0 ft	90	-
FIX	AWY-HI	29.72310	0 m		
LAMSA	UT39	37.11080	0 ft	16	-
FIX	AWY-HI	29.92280	0 m		
EDISI	UT39	36.84920	0 ft	19	-
FIX	AWY-HI	30.14640	0 m		
TOMBI	UT39	36.04060	0 ft	58	-
FIX	AWY-HI	30.82440	0 m		
DATOK	-	29.60670	0 ft	422	-
FIX	-	34.23330	0 m		
TAKSU	-	29.60690	0 ft	19	-
FIX	-	34.60640	0 m		
KARIK	-	29.44250	0 ft	12	-
FIX	-	34.76140	0 m		
ULINA	B411	29.41420	0 ft	11	-
FIX	AWY-HI	34.97170	0 m		
ELETA	UB411	29.53360	0 ft	27	-
FIX	AWY-HI	35.48340	0 m		
TAMIM	UB411	29.61110	0 ft	17	-
FIX	AWY-HI	35.81110	0 m		
PETRA	UB411	29.70170	0 ft	29	-
FIX	AWY-HI	36.36940	0 m		
DEESA	UB411	29.75250	0 ft	16	-
FIX	AWY-HI	36.68390	0 m		
TAMRO	-	28.64390	0 ft	321	-
FIX	-	42.67970	0 m		
NOTLI	N318	28.20000	0 ft	56	-
FIX	AWY-HI	43.62060	0 m		
LOXOM	N318	27.94670	0 ft	31	-
FIX	AWY-HI	44.14220	0 m		
MOGON	N318	27.64640	0 ft	37	-
FIX	AWY-HI	44.76500	0 m		
EMARO	N318	27.56170	0 ft	25	-
FIX	AWY-HI	45.22500	0 m		
DEBOL	N318	27.35450	0 ft	59	-
FIX	AWY-HI	46.31210	0 m		
LADNA	-	26.46370	0 ft	224	-
FIX	-	50.37910	0 m		
ELOSO	N318	26.40260	0 ft	12	-
FIX	AWY-LO	50.59740	0 m		
GOLKO	N318	26.36370	0 ft	7	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	50.73450	0 m		
ASTAD	N318	26.30320	0 ft	11	-
FIX	AWY-LO	50.94620	0 m		
TOTIS	N318	26.18860	0 ft	14	-
FIX	AWY-LO	51.17410	0 m		
RASDI	N318	26.07370	0 ft	14	-
FIX	AWY-LO	51.40200	0 m		
VELAM	N318	25.90730	0 ft	20	-
FIX	AWY-LO	51.72980	0 m		
GOMTO	Z225	25.70960	0 ft	14	-
FIX	AWY-LO	51.87050	0 m		
LUBAK	Z225	25.61820	0 ft	6	-
FIX	AWY-LO	51.93550	0 m		
LABOV	Z225	25.56990	0 ft	2	-
FIX	AWY-LO	51.92260	0 m		
BAYAN	Z225	25.49060	0 ft	7	-
FIX	AWY-LO	51.81360	0 m		
OTHH	-	25.27450	0 ft	17	Hamad Intl
APT	-	51.60770	0 m		

KSEA

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

Elevation: 432 ft / 132 m
Location: 47.450200 -122.312000
Magnetic Var: 14.770 E

METAR

KSEA 201053Z 00000KT 10SM SCT060 08/04 A3027 RMK A02 SLP257 T00780044

TAF

KSEA 200903Z 2009/2112 22004KT P6SM FEW060 FM201200 19004KT P6SM FEW010 SCT015 BKN025 FM201800 22006KT P6SM FEW020

Frequencies

REC - 118.00 MHz - SEATTLE ATIS	CLD - 128.00 MHz - SEATTLE CLEARANCE
GND - 121.70 MHz - SEATTLE GROUND	TWR - 119.90 MHz - SEATTLE TOWER
TWR - 120.95 MHz - SEATTLE TOWER	APP - 133.65 MHz - SEATTLE APPROACH
DEP - 120.10 MHz - SEATTLE DEPARTURE	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16L	151 ft	11,904 ft	180.35	CONCRETE	0 ft	400 ft
	46 m	3,628 m	165.58		0 m	122 m
34R	151 ft	11,904 ft	0.35	CONCRETE	0 ft	400 ft
	46 m	3,628 m	345.58		0 m	122 m
16C	151 ft	9,428 ft	180.34	CONCRETE	0 ft	400 ft
	46 m	2,874 m	165.57		0 m	122 m
34C	151 ft	9,428 ft	0.34	CONCRETE	0 ft	397 ft
	46 m	2,874 m	345.57		0 m	121 m
16R	151 ft	8,502 ft	180.34	CONCRETE	0 ft	200 ft
	46 m	2,591 m	165.57		0 m	61 m
34L	151 ft	8,502 ft	0.34	CONCRETE	0 ft	197 ft
	46 m	2,591 m	345.57		0 m	60 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
16C	DME	ISZI	111.70 MHz	18 nm	-	-	470 ft
				33 km	-		470 m
16L	DME	ISNQ	110.30 MHz	18 nm	-	-	369 ft
				33 km	-		369 m
16R	DME	ICJL	110.75 MHz	18 nm	-	-	410 ft
				33 km	-		410 m
34C	DME	ITUC	111.70 MHz	18 nm	-	-	470 ft
				33 km	-		470 m
34L	DME	IB EJ	110.75 MHz	18 nm	-	-	410 ft
				33 km	-		410 m
34R	DME	ISEA	110.30 MHz	18 nm	-	-	469 ft
				33 km	-		469 m
16C	LOC-ILS	ISZI	111.70 MHz	18 nm	180.34	-	355 ft
				33 km	165.57		355 m
16L	LOC-ILS	ISNQ	110.30 MHz	18 nm	180.34	-	338 ft
				33 km	165.57		338 m
16R	LOC-ILS	ICJL	110.75 MHz	18 nm	180.34	-	410 ft
				33 km	165.57		410 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
34C	LOC-ILS	ITUC	111.70 MHz	18 nm	0.34	-	422 ft
				33 km	345.57		422 m
34L	LOC-ILS	IBEJ	110.75 MHz	18 nm	0.34	-	433 ft
				33 km	345.57		433 m
34R	LOC-ILS	ISEA	110.30 MHz	18 nm	0.34	-	428 ft
				33 km	345.57		428 m
16C	GS	ISZI	111.70 MHz	10 nm	180.67	3.00	418 ft
				19 km	165.90		418 m
16L	GS	ISNQ	110.30 MHz	10 nm	180.69	3.00	425 ft
				19 km	165.92		425 m
16R	GS	ICJL	110.75 MHz	10 nm	180.67	3.00	410 ft
				19 km	165.90		410 m
34C	GS	ITUC	111.70 MHz	10 nm	0.67	3.00	367 ft
				19 km	345.90		367 m
34L	GS	IBEJ	110.75 MHz	10 nm	0.67	3.00	360 ft
				19 km	345.90		360 m
34R	GS	ISEA	110.30 MHz	10 nm	0.69	2.75	355 ft
				19 km	345.92		355 m

OTHH

Region: QATAR
Timezone: UNKNOWN
Runways: 2

Elevation: 13 ft / 4 m
Location: 25.274500 51.607700
Magnetic Var: 2.775 E

METAR

OTHH 201100Z 35012KT CAVOK 39/10 Q1005 NOSIG

TAF

TAF OTHH 200505Z 2006/2112 33009KT CAVOK TEMPO 2007/2016 33013G23KT TEMPO 2020/2106 24009KT

Frequencies

REC - 126.85 MHz - ATIS	CLD - 120.87 MHz - CLEARANCE DELIVERY
TWR - 118.52 MHz - HAMAD TOWER	TWR - 118.02 MHz - HAMAD TOWER
TWR - 118.22 MHz - HAMAD TOWER	GND - 121.67 MHz - HAMAD GROUND
GND - 120.22 MHz - HAMAD GROUND	GND - 118.65 MHz - HAMAD GROUND
APP - 121.10 MHz - DOHA APPROACH	APP - 119.72 MHz - DOHA APPROACH
DEP - 119.12 MHz - DOHA DEPARTURE	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16L	197 ft	15,927 ft	158.28	ASPHALT	0 ft	1,017 ft
	60 m	4,855 m	155.51		0 m	310 m
34R	197 ft	15,927 ft	338.29	ASPHALT	0 ft	1,017 ft
	60 m	4,855 m	335.52		0 m	310 m
16R	197 ft	13,957 ft	158.28	ASPHALT	0 ft	1,017 ft
	60 m	4,254 m	155.50		0 m	310 m
34L	197 ft	13,957 ft	338.28	ASPHALT	0 ft	1,017 ft
	60 m	4,254 m	335.51		0 m	310 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
16L	LOC-ILS	IDE	108.70 MHz	18 nm	158.29	-	13 ft
				33 km	155.52		13 m
16R	LOC-ILS	QAT	108.10 MHz	18 nm	158.28	-	13 ft
				33 km	155.51		13 m
34L	LOC-ILS	HJJ	111.90 MHz	18 nm	338.28	-	13 ft
				33 km	335.51		13 m
34R	LOC-ILS	AZM	110.10 MHz	18 nm	338.29	-	13 ft
				33 km	335.52		13 m
16L	GS	IDE	108.70 MHz	10 nm	158.29	3.00	13 ft
				19 km	155.52		13 m
16R	GS	QAT	108.10 MHz	10 nm	158.28	3.00	13 ft
				19 km	155.51		13 m
34L	GS	HJJ	111.90 MHz	10 nm	338.28	3.00	13 ft
				19 km	335.51		13 m
34R	GS	AZM	110.10 MHz	10 nm	338.29	3.00	13 ft
				19 km	335.52		13 m