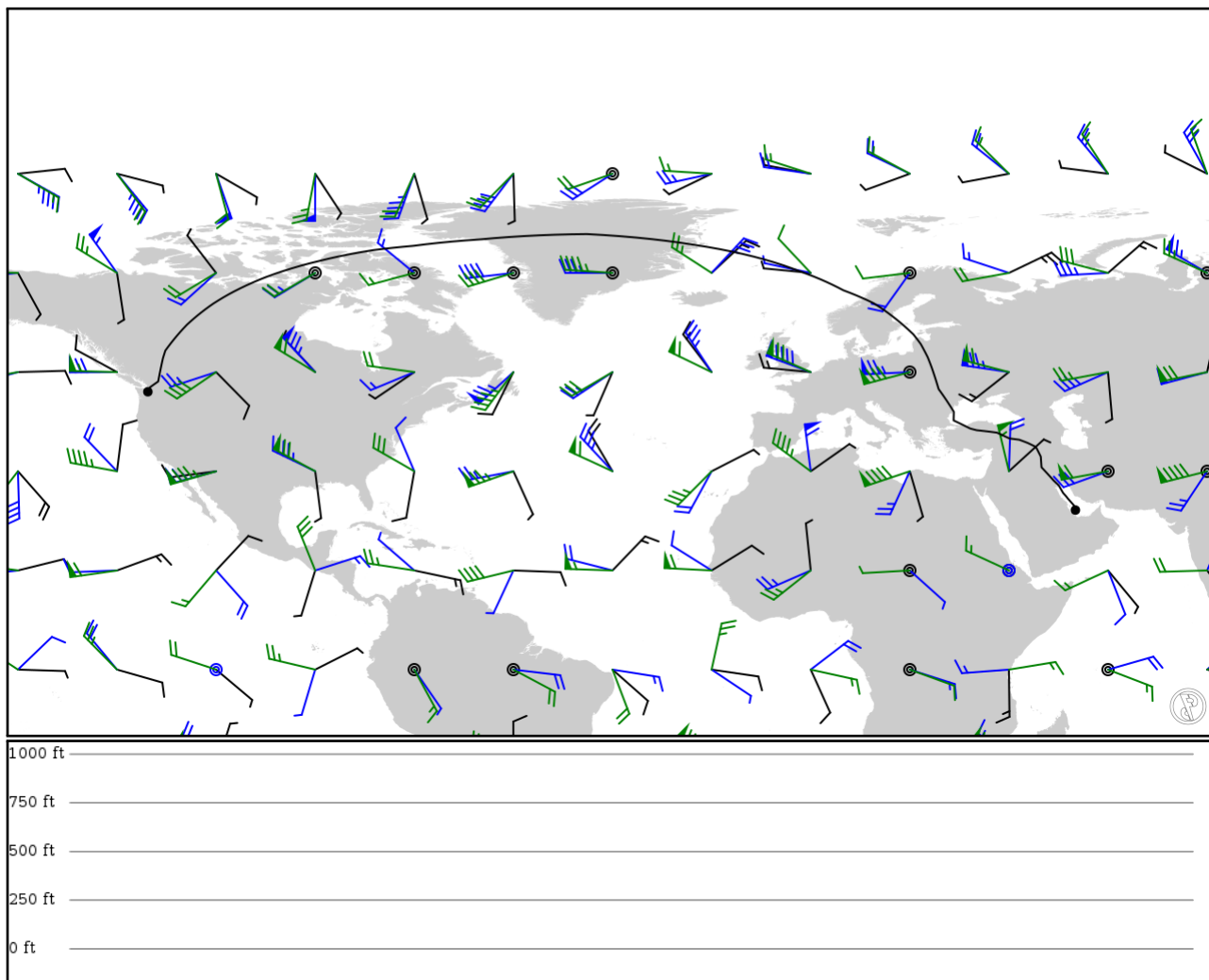


2024/05/20 1128Z

KSEA ALPSE YDC PARQE YQU 6000N11500W 6400N11000W 6900N10000W 7200N09000W 7400N08000W GELBO
7600N06000W 7700N04000W 7500N02000W 7000N00000E ADKAS GIKAV NEREN PIMEX ASKOR TUMKI TADUN BUKOV
DINRO **N616** RIXEN **UL605** YAVRU **UA4** SIV **UW710** EZS **UT36** RENGİ OTKEP **UM688** SIDAD LONOS GOGRA OBNAX
RASDI **N318** VELAM **Z225** BAYAN OTHH

6895.14 nm / 12769.80 km



Notes

Requested: KSEA ALPSE YDC PARQE YQU 6000N/11500W 6400N/11000W 6900N/10000W 7200N/09000W 7400N/08000W GELBO 7600N

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KSEA	-	47.45020	0 ft	-	Seattle-Tacoma Intl
APT	-	-122.31200	0 m	-	
ALPSE	-	48.16670	0 ft	44	-
FIX	-	-122.08300	0 m	-	-
YDC	-	49.38160	0 ft	99	PRINCETON VOR-DME
DME	-	-120.37400	0 m	-	
PARQE	-	53.72170	0 ft	262	-
FIX	-	-119.48600	0 m	-	-
YQU	-	55.17420	0 ft	88	GRANDE PRAIRIE
VOR	-	-119.03000	0 m	-	
6000N11500W	-	60.00000	0 ft	317	-
LATLON	-	-115.00000	0 m	-	-
6400N11000W	-	64.00000	0 ft	278	-
LATLON	-	-110.00000	0 m	-	-
6900N10000W	-	69.00000	0 ft	383	-
LATLON	-	-100.00000	0 m	-	-
7200N09000W	-	72.00000	0 ft	268	-
LATLON	-	-90.00000	0 m	-	-
7400N08000W	-	74.00000	0 ft	212	-
LATLON	-	-80.00000	0 m	-	-
GELBO	-	74.79060	0 ft	129	-
FIX	-	-72.53580	0 m	-	-
7600N06000W	-	76.00000	0 ft	202	-
LATLON	-	-60.00000	0 m	-	-
7700N04000W	-	77.00000	0 ft	285	-
LATLON	-	-40.00000	0 m	-	-
7500N02000W	-	75.00000	0 ft	312	-
LATLON	-	-20.00000	0 m	-	-
7000N00000E	-	70.00000	0 ft	465	-
LATLON	-	0.00000	0 m	-	-
ADKAS	-	66.46290	0 ft	278	-
FIX	-	8.10754	0 m	-	-
GIKAV	-	64.03430	0 ft	204	-
FIX	-	13.79390	0 m	-	-
NEREN	-	58.62770	0 ft	381	-
FIX	-	20.77180	0 m	-	-
PIMEX	-	58.21280	0 ft	28	-
FIX	-	21.21440	0 m	-	-
ASKOR	-	56.38280	0 ft	118	-
FIX	-	22.61280	0 m	-	-
TUMKI	-	53.94830	0 ft	152	-
FIX	-	23.89890	0 m	-	-
TADUN	-	51.90140	0 ft	126	-
FIX	-	24.68810	0 m	-	-
BUKOV	-	47.95170	0 ft	242	-
FIX	-	25.95830	0 m	-	-
DINRO	-	43.70000	0 ft	281	-
FIX	-	28.80830	0 m	-	-
MATEL	N616	43.05920	0 ft	38	-
FIX	AWY-LO	28.79190	0 m	-	-
RIXEN	N616	42.08220	0 ft	58	-
FIX	AWY-LO	28.76610	0 m	-	-
NAMAN	UL605	40.99890	0 ft	119	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	30.99940	0 m		
YAVRU	UL605	40.58220	0 ft	45	-
FIX	AWY-HI	31.83280	0 m		
SALGO	UA4	40.47390	0 ft	17	-
FIX	AWY-HI	32.19940	0 m		
BUK	UA4	40.24190	0 ft	43	CUBUK (ANKARA)
VOR	AWY-HI	33.10490	0 m		
GURBU	UA4	40.16830	0 ft	33	-
FIX	AWY-HI	33.83280	0 m		
BENTA	UA4	40.15150	0 ft	5	-
FIX	AWY-HI	33.95600	0 m		
TIMOP	UA4	39.99190	0 ft	65	-
FIX	AWY-HI	35.36110	0 m		
ENFOR	UA4	39.87390	0 ft	42	-
FIX	AWY-HI	36.27470	0 m		
OLPOT	UA4	39.86120	0 ft	4	-
FIX	AWY-HI	36.36060	0 m		
SIV	UA4	39.78970	0 ft	24	SIVAS
VOR	AWY-HI	36.89340	0 m		
NUNTU	UW710	39.57970	0 ft	24	-
FIX	AWY-HI	37.35970	0 m		
VEVEN	UW710	39.45280	0 ft	14	-
FIX	AWY-HI	37.63830	0 m		
ARPUT	UW710	38.84220	0 ft	70	-
FIX	AWY-HI	38.94190	0 m		
EZS	UW710	38.70830	0 ft	15	ELAZIG
VOR	AWY-HI	39.22410	0 m		
ASPUL	UT36	38.55170	0 ft	56	-
FIX	AWY-HI	40.41280	0 m		
RENGI	UT36	38.46390	0 ft	31	-
FIX	AWY-HI	41.08000	0 m		
OTKEP	-	37.85920	0 ft	82	-
FIX	-	42.66000	0 m		
RATVO	UM688	37.24060	0 ft	71	-
FIX	AWY-HI	43.93440	0 m		
OTIDO	UM688	36.86530	0 ft	29	-
FIX	AWY-HI	44.32580	0 m		
DERNU	UM688	35.29720	0 ft	101	-
FIX	AWY-HI	45.11470	0 m		
SOBIL	UM688	34.50000	0 ft	47	-
FIX	AWY-HI	45.16890	0 m		
VAXEN	UM688	33.30000	0 ft	72	-
FIX	AWY-HI	45.25000	0 m		
SISIN	UM688	32.83500	0 ft	35	-
FIX	AWY-HI	45.68690	0 m		
PEBAD	UM688	30.83970	0 ft	151	-
FIX	AWY-HI	47.49940	0 m		
SIDAD	UM688	29.87530	0 ft	77	-
FIX	AWY-HI	48.49560	0 m		
LONOS	-	28.50750	0 ft	92	-
FIX	-	49.28690	0 m		
GOGRA	-	27.82170	0 ft	52	-
FIX	-	49.89560	0 m		
OBNA	-	27.44750	0 ft	27	-
FIX	-	50.18420	0 m		
RASDI	-	26.07370	0 ft	105	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	-	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