

KHOU

William P. Hobby

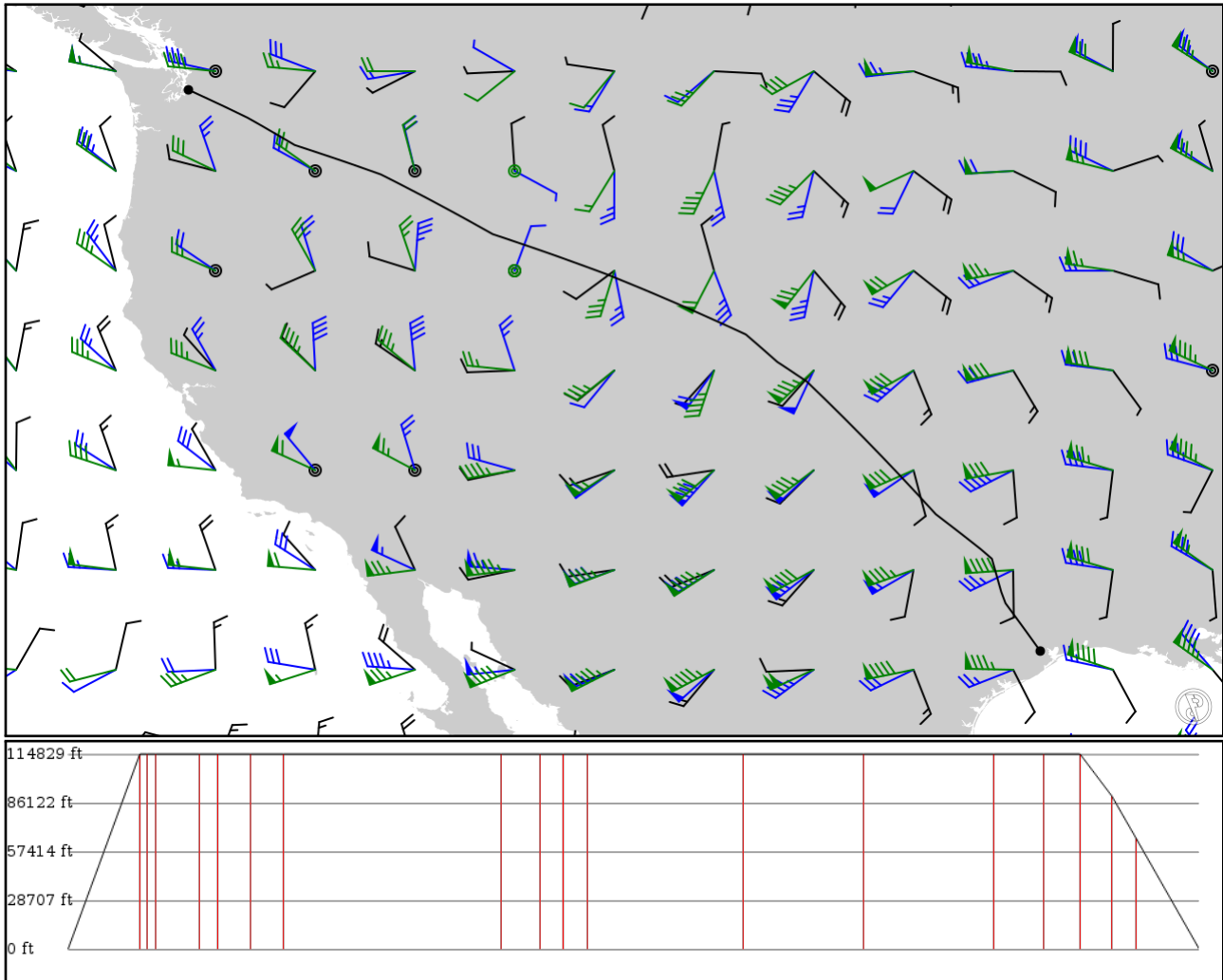
KSEA

Seattle-Tacoma Intl

2024/05/03 1349Z

KHOU BILEE J87 TANBE J33 FUZ J58 SPS J168 LAA J20 OCS J163 PIH J20 YKM KSEA

1671.57 nm / 3095.75 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: yes
- Use high airways: yes

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KHOU APT	-	29.64600 -95.27730	0 ft 0 m	-	William P. Hobby
BILEE FIX	-	31.16450 -96.38160	35,000 ft 10,668 m	107	-
HOOTZ FIX	J87 AWY-HI	31.32290 -96.44070	35,000 ft 10,668 m	9	-
TORNN FIX	J87 AWY-HI	31.52040 -96.51470	35,000 ft 10,668 m	12	-
CHMPZ FIX	J87 AWY-HI	32.56580 -96.81060	35,000 ft 10,668 m	64	-
TANBE FIX	J87 AWY-HI	32.57490 -96.81330	35,000 ft 10,668 m	0	-
FUZ VOR	J33 AWY-HI	32.88950 -97.17940	35,000 ft 10,668 m	26	RANGER (DALLAS-FORT WORTH)
BATIK FIX	J58 AWY-HI	33.44910 -97.89320	35,000 ft 10,668 m	49	-
SPS VOR	J58 AWY-HI	33.98730 -98.59350	35,000 ft 10,668 m	47	WICHITA FALLS
LAA VOR	J168 AWY-HI	38.19710 -102.68800	35,000 ft 10,668 m	321	LAMAR
HGO VOR	J20 AWY-HI	38.81750 -103.62100	35,000 ft 10,668 m	57	HUGO
QUAIL FIX	J20 AWY-HI	39.26080 -104.12500	35,000 ft 10,668 m	35	-
FQF VOR	J20 AWY-HI	39.69010 -104.62100	35,000 ft 10,668 m	34	FALCON (DENVER)
OCS VOR	J20 AWY-HI	41.59020 -109.01500	35,000 ft 10,668 m	230	ROCK SPRINGS
PIH VOR	J163 AWY-HI	42.87040 -112.65200	35,000 ft 10,668 m	179	POCATELLO
DNJ VOR	J20 AWY-HI	44.76710 -116.20600	35,000 ft 10,668 m	191	DONNELLY (MC CALL)
BEAMO FIX	J20 AWY-HI	45.31440 -117.77800	35,000 ft 10,668 m	74	-
PDT VOR	J20 AWY-HI	45.69840 -118.93900	35,000 ft 10,668 m	54	PENDLETON
BRUKK FIX	J20 AWY-HI	46.19130 -119.78000	27,500 ft 8,382 m	45	-
YKM VOR	J20 AWY-HI	46.57020 -120.44500	19,900 ft 6,066 m	35	YAKIMA
KSEA APT	-	47.45020 -122.31200	0 ft 0 m	92	Seattle-Tacoma Intl

KHOU

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

Elevation: 46 ft / 14 m
Location: 29.646000 -95.277300
Magnetic Var: 1.700 E

METAR

KHOU 031330Z 09014KT 7SM -RA FEW005 OVC030 21/19 A2988 RMK A02 LTG DSNT N-E TSE11 TS MOV NE P0002 T02060194

TAF

TAF KHOU 031120Z 0312/0412 12006KT P6SM VCTS SCT008 BKN015CB FM031600 14011KT P6SM VCTS BKN015 BKN022CB FM032000 1

Frequencies

CLD - 125.45 MHz - CLEARANCE DELIVERY	REC - 124.60 MHz - D-ATIS
COM - 122.95 MHz - HOBBY UNICOM	GND - 121.90 MHz - HOBBY GROUND
TWR - 118.70 MHz - HOBBY TOWER	APP - 119.17 MHz - HOUSTON APPROACH
APP - 119.62 MHz - HOUSTON APPROACH	APP - 120.05 MHz - HOUSTON APPROACH
APP - 124.35 MHz - HOUSTON APPROACH	APP - 134.45 MHz - HOUSTON APPROACH
DEP - 119.70 MHz - HOUSTON DEPARTURE	DEP - 123.80 MHz - HOUSTON DEPARTURE
DEP - 134.45 MHz - HOUSTON DEPARTURE	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
04	151 ft	7,609 ft	43.82	CONCRETE	0 ft	151 ft
	46 m	2,319 m	42.12		0 m	46 m
22	151 ft	7,609 ft	223.82	CONCRETE	0 ft	151 ft
	46 m	2,319 m	222.12		0 m	46 m
13R	151 ft	7,612 ft	134.10	ASPHALT	1,037 ft	144 ft
	46 m	2,320 m	132.40		316 m	44 m
31L	151 ft	7,612 ft	314.11	ASPHALT	0 ft	151 ft
	46 m	2,320 m	312.40		0 m	46 m
13L	100 ft	5,152 ft	134.10	CONCRETE	0 ft	0 ft
	30 m	1,570 m	132.40		0 m	0 m
31R	100 ft	5,152 ft	314.10	CONCRETE	0 ft	0 ft
	30 m	1,570 m	312.40		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
04	DME	IHUB	109.90 MHz	18 nm	-	-	36 ft
				33 km	-		36 m
13R	DME	IPRQ	111.30 MHz	18 nm	-	-	46 ft
				33 km	-		46 m
22	DME	IOIB	109.90 MHz	18 nm	-	-	46 ft
				33 km	-		46 m
31L	DME	IUPU	111.30 MHz	18 nm	-	-	46 ft
				33 km	-		46 m
04	LOC-ILS	IHUB	109.90 MHz	18 nm	43.82	-	46 ft
				33 km	42.12		46 m
13R	LOC-ILS	IPRQ	111.30 MHz	18 nm	134.10	-	46 ft
				33 km	132.40		46 m
22	LOC-LOC	IOIB	109.90 MHz	18 nm	223.82	-	46 ft
				33 km	222.12		46 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
31L	LOC-ILS	IUPU	111.30 MHz	18 nm	314.10	-	46 ft
				33 km	312.40		46 m
04	GS	IHUB	109.90 MHz	10 nm	43.82	3.00	46 ft
				19 km	42.12		46 m
13R	GS	IPRQ	111.30 MHz	10 nm	134.10	3.00	46 ft
				19 km	132.40		46 m
31L	GS	IUPU	111.30 MHz	10 nm	314.10	3.00	46 ft
				19 km	312.40		46 m

KSEA

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

Elevation: 432 ft / 132 m
Location: 47.450200 -122.312000
Magnetic Var: 14.777 E

METAR

KSEA 031253Z 14006KT 10SM FEW220 08/02 A2999 RMK AO2 SLP163 T00780022

TAF

KSEA 031134Z 0312/0418 15007KT P6SM SKC FM031500 17004KT P6SM BKN200 FM031800 23008KT P6SM OVC200 FM040000 21011KT

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	165.57		0 m	122 m
34R	151 ft	11,904 ft	0.35	CONCRETE	0 ft	400 ft
	46 m	3,628 m	345.57		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	165.56		0 m	61 m
34L	151 ft	8,502 ft	0.34	CONCRETE	0 ft	197 ft
	46 m	2,591 m	345.56		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	IBEJ	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	165.56		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	165.56		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	345.56		422 m
34L	LOC-ILS	IBEJ	110.75 MHz	18 nm	0.34	-	433 ft
				33 km	345.56		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	165.91		425 m
16R	GS	ICJL	110.75 MHz	10 nm	180.67	3.00	410 ft
				19 km	165.89		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	345.89		360 m
34R	GS	ISEA	110.30 MHz	10 nm	0.69	2.75	355 ft
				19 km	345.91		355 m