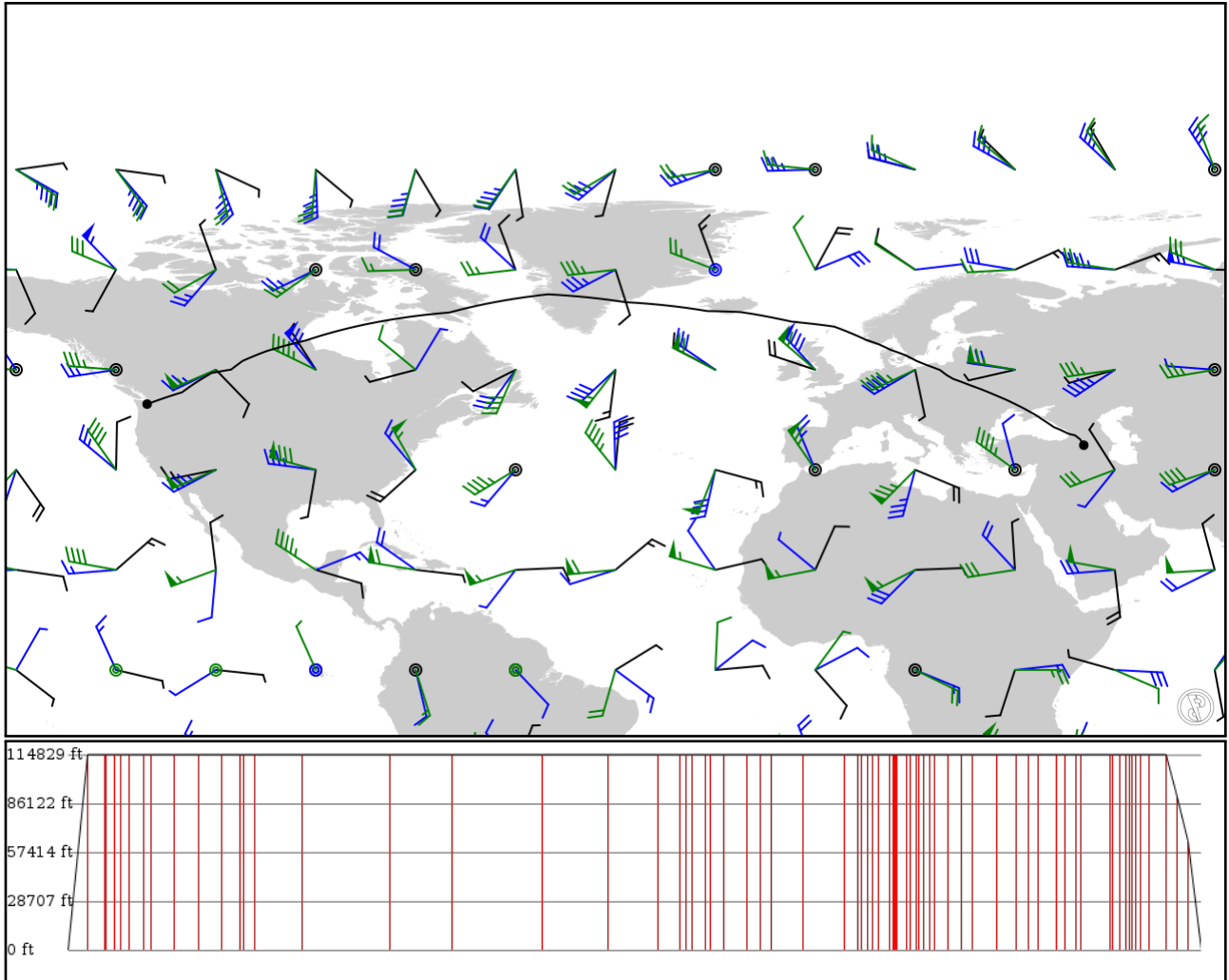


2024/05/09 0330Z

KSEA TWISP **J505** YVC **J540** YYL **J539** YYQ **N554C** YFB **5E72** KEF **G3** VALDI **UL621** LIN **UN191** USTIL **UA277**  
GAMAN **A277** BANUT **UA277** TUNIS UDYZ

5977.97 nm / 11071.20 km



## Notes

Basic altitude profile:

- Ascent Rate: 20000ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 35000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

## Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KSEA APT	-	47.45019 -122.31232	0 ft 0 m	-	Seattle Tacoma Intl
TWISP FIX	-	48.26912 -120.03825	35,000 ft 10,668 m	103	-
ONSET FIX	J505 AWY-HI	48.95801 -118.00001	35,000 ft 10,668 m	90	-
YXC77 FIX	J505 AWY-HI	48.99912 -117.85592	35,000 ft 10,668 m	6	-
SILVR FIX	J505 AWY-HI	49.34175 -116.78067	35,000 ft 10,668 m	46	-
YXC VOR	J505 AWY-HI	49.55499 -116.08770	35,000 ft 10,668 m	29	CRANBROOK VOR-DME
CONER FIX	J505 AWY-HI	50.16556 -115.24944	35,000 ft 10,668 m	48	-
YYC VOR	J505 AWY-HI	51.11506 -113.88208	35,000 ft 10,668 m	77	CALGARY VOR-DME
GRETO FIX	J505 AWY-HI	51.54500 -113.21333	35,000 ft 10,668 m	36	-
YWV VOR	J505 AWY-HI	52.98139 -110.83333	35,000 ft 10,668 m	122	WAINWRIGHT VOR-DME
MEETO FIX	J505 AWY-HI	53.59333 -107.35667	35,000 ft 10,668 m	130	-
YVC VOR	J505 AWY-HI	55.15828 -105.26681	35,000 ft 10,668 m	119	LA RONGE VOR-DME
LITGO FIX	J540 AWY-HI	56.13833 -102.94667	35,000 ft 10,668 m	98	-
ROMDA FIX	J540 AWY-HI	56.34333 -102.43500	35,000 ft 10,668 m	21	-
YYL VOR	J540 AWY-HI	56.86394 -101.07533	35,000 ft 10,668 m	54	LYNN LAKE VOR-DME
YYQ VOR	J539 AWY-HI	58.74175 -94.13531	35,000 ft 10,668 m	248	CHURCHILL VOR-DME
BODRA FIX	N554C AWY-HI	62.28278 -80.00000	35,000 ft 10,668 m	467	-
YFB VOR	N554C AWY-HI	63.74167 -68.47333	35,000 ft 10,668 m	325	FROBAY VOR
SF NDB	5E72 AWY-HI	66.96749 -50.94167	35,000 ft 10,668 m	477	SONDRE STROMFJORD NDB
DA NDB	5E72 AWY-HI	65.57056 -37.20694	35,000 ft 10,668 m	341	KULUSUK NDB
GIMLI FIX	5E72 AWY-HI	64.64000 -26.97833	35,000 ft 10,668 m	264	-
KEF VOR	5E72 AWY-HI	63.98681 -22.61450	35,000 ft 10,668 m	120	KEFLAVIK VORTAC
METIL FIX	G3 AWY-HI	63.97194 -21.52611	35,000 ft 10,668 m	28	-
SKARD FIX	G3 AWY-HI	63.94278 -20.20500	35,000 ft 10,668 m	34	-
MIKLA FIX	G3 AWY-HI	63.84833 -17.57417	35,000 ft 10,668 m	69	-
ING VOR	G3 AWY-HI	63.80306 -16.63806	35,000 ft 10,668 m	24	INGO VOR-DME
ROSTI	G3	63.40639	35,000 ft	71	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-14.11222	10,668 m		
LINDA	G3	62.62167	35,000 ft	121	-
FIX	AWY-HI	-10.00000	10,668 m		
MY	G3	62.10694	35,000 ft	73	MYGGENES NDB
NDB	AWY-HI	-7.58778	10,668 m		
CONNY	G3	61.90000	35,000 ft	57	-
FIX	AWY-HI	-5.58333	10,668 m		
VALDI	G3	61.21417	35,000 ft	164	-
FIX	AWY-HI	0.00000	10,668 m		
ZOL	UL621	58.87506	35,000 ft	219	SOLA VOR-DME
VOR	AWY-HI	5.64015	10,668 m		
LAREM	UL621	58.23250	35,000 ft	69	-
FIX	AWY-HI	7.50000	10,668 m		
SVA	UL621	58.08450	35,000 ft	15	SVENSHEIA VOR-DME
VOR	AWY-HI	7.90831	10,668 m		
AMSEV	UL621	57.67528	35,000 ft	37	-
FIX	AWY-HI	8.80222	10,668 m		
LAGUM	UL621	57.45556	35,000 ft	19	-
FIX	AWY-HI	9.26833	10,668 m		
AAL	UL621	57.10372	35,000 ft	31	AALBORG VOR-DME
VOR	AWY-HI	9.99558	10,668 m		
NORTI	UL621	56.52444	35,000 ft	63	-
FIX	AWY-HI	11.62556	10,668 m		
MADAG	UL621	56.38056	35,000 ft	15	-
FIX	AWY-HI	12.01361	10,668 m		
ROKAM	UL621	56.31694	35,000 ft	6	-
FIX	AWY-HI	12.18333	10,668 m		
KULUD	UL621	56.26056	35,000 ft	6	-
FIX	AWY-HI	12.33306	10,668 m		
SVD	UL621	56.16886	35,000 ft	9	SVEDA VOR-DME
VOR	AWY-HI	12.57378	10,668 m		
MAXUM	UL621	55.66125	35,000 ft	46	-
FIX	AWY-HI	13.60400	10,668 m		
ELVIX	UL621	55.41186	35,000 ft	22	-
FIX	AWY-HI	14.09422	10,668 m		
ROE	UL621	55.06558	35,000 ft	30	RONNE VOR-DME
VOR	AWY-HI	14.75869	10,668 m		
REDFI	UL621	54.91667	35,000 ft	15	-
FIX	AWY-HI	15.14056	10,668 m		
BABIK	UL621	54.68500	35,000 ft	24	-
FIX	AWY-HI	15.71917	10,668 m		
DAR	UL621	54.41021	35,000 ft	28	DARLOWO VOR-DME
VOR	AWY-HI	16.38808	10,668 m		
BURAN	UL621	54.18028	35,000 ft	26	-
FIX	AWY-HI	17.02972	10,668 m		
GRU	UL621	53.52124	35,000 ft	73	GRUDZIADZ VOR-DME
VOR	AWY-HI	18.78134	10,668 m		
REMPA	UL621	52.60056	35,000 ft	70	-
FIX	AWY-HI	20.00417	10,668 m		
LIN	UL621	51.93289	35,000 ft	58	LININ VOR-DME
VOR	AWY-HI	21.15853	10,668 m		
USTIL	UN191	50.83301	35,000 ft	128	-
FIX	AWY-HI	24.09815	10,668 m		
BABIS	UA277	49.99803	35,000 ft	99	-
FIX	AWY-HI	26.35626	10,668 m		
SITBA	UA277	49.39055	35,000 ft	68	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	27.84518	10,668 m		
NM	UA277	48.96639	35,000 ft	46	NEMYRIV NDB
NDB	AWY-HI	28.84826	10,668 m		
RABEN	UA277	48.08474	35,000 ft	97	-
FIX	AWY-HI	30.89664	10,668 m		
BAROR	UA277	47.62808	35,000 ft	47	-
FIX	AWY-HI	31.84500	10,668 m		
KOREG	UA277	47.08309	35,000 ft	55	-
FIX	AWY-HI	32.94003	10,668 m		
KH	UA277	46.80809	35,000 ft	28	KAKHOVKA NDB
NDB	AWY-HI	33.49504	10,668 m		
BETEG	UA277	45.18310	35,000 ft	155	-
FIX	AWY-HI	36.38179	10,668 m		
GAMAN	UA277	45.00000	35,000 ft	14	-
FIX	AWY-HI	36.59167	10,668 m		
DIBAT	A277	44.57306	35,000 ft	38	-
FIX	AWY-HI	37.25833	10,668 m		
LIMAS	A277	44.20806	35,000 ft	32	-
FIX	AWY-HI	37.82000	10,668 m		
ARKUT	A277	44.02639	35,000 ft	16	-
FIX	AWY-HI	38.09167	10,668 m		
BAKRI	A277	43.89806	35,000 ft	11	-
FIX	AWY-HI	38.28167	10,668 m		
ALUBI	A277	43.68333	35,000 ft	18	-
FIX	AWY-HI	38.60333	10,668 m		
LAMET	A277	43.34972	35,000 ft	29	-
FIX	AWY-HI	39.08861	10,668 m		
BANUT	A277	42.99000	35,000 ft	44	-
FIX	AWY-HI	39.98333	10,668 m		
IBERI	UA277	42.16083	35,000 ft	91	-
FIX	AWY-HI	41.72167	10,668 m		
BARUS	UA277	41.90389	27,500 ft	52	-
FIX	AWY-HI	42.84167	8,382 m		
TUNIS	UA277	41.16667	19,500 ft	61	-
FIX	AWY-HI	43.78222	5,944 m		
UDYZ	-	40.14727	0 ft	67	ZVARTNOTS
APT	-	44.39588	0 m		

## KSEA

Region: UNITED STATES  
Timezone: AMERICA/LOS\_ANGELES  
Runways: 3

Elevation: 432 ft / 132 m  
Location: 47.450200 -122.312000  
Magnetic Var: 14.775 E

## METAR

KSEA 090253Z 36008KT 10SM SCT250 14/03 A3037 RMK A02 SLP290 T01440028 56008

## TAF

TAF AMD KSEA 090305Z 0903/1006 36008KT P6SM SCT250 FM090500 02007KT P6SM SKC FM091800 01012G21KT P6SM SKC

## Frequencies

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

## 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	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	165.56		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	165.90		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	345.91		355 m

## UDYZ

Region: ARMENIA  
Timezone: ASIA/YEREVAN  
Runways: 1

Elevation: 2,837 ft / 865 m  
Location: 40.147300 44.395900  
Magnetic Var: 6.691 E

## METAR

UDYZ 090300Z 00000KT 9999 NSC 11/09 Q1020 NOSIG

## TAF

TAF UDYZ 082300Z 0900/0924 16006KT 9999 FEW040= TAF UDSG 082259Z 0900/0924 VRB06KT 9999 FEW050 TEMPO 0908/0918 2400

## Frequencies

REC - 119.50 MHz - ATIS  
TWR - 120.90 MHz - YEREVAN TOWER  
GND - 119.00 MHz - YEREVAN GROUND  
APP - 126.00 MHz - YEREVAN APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	184 ft	12,590 ft	89.66	ASPHALT	0 ft	0 ft
	56 m	3,837 m	82.97		0 m	0 m
27	184 ft	12,590 ft	269.69	ASPHALT	0 ft	0 ft
	56 m	3,837 m	263.00		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09	LOC-ILS	IZR	108.10 MHz	18 nm	89.67	-	2,837 ft
				33 km	82.98		2,837 m
09	GS	IZR	108.10 MHz	10 nm	89.67	3.00	2,837 ft
				19 km	82.98		2,837 m