

# LSZH

Zurich

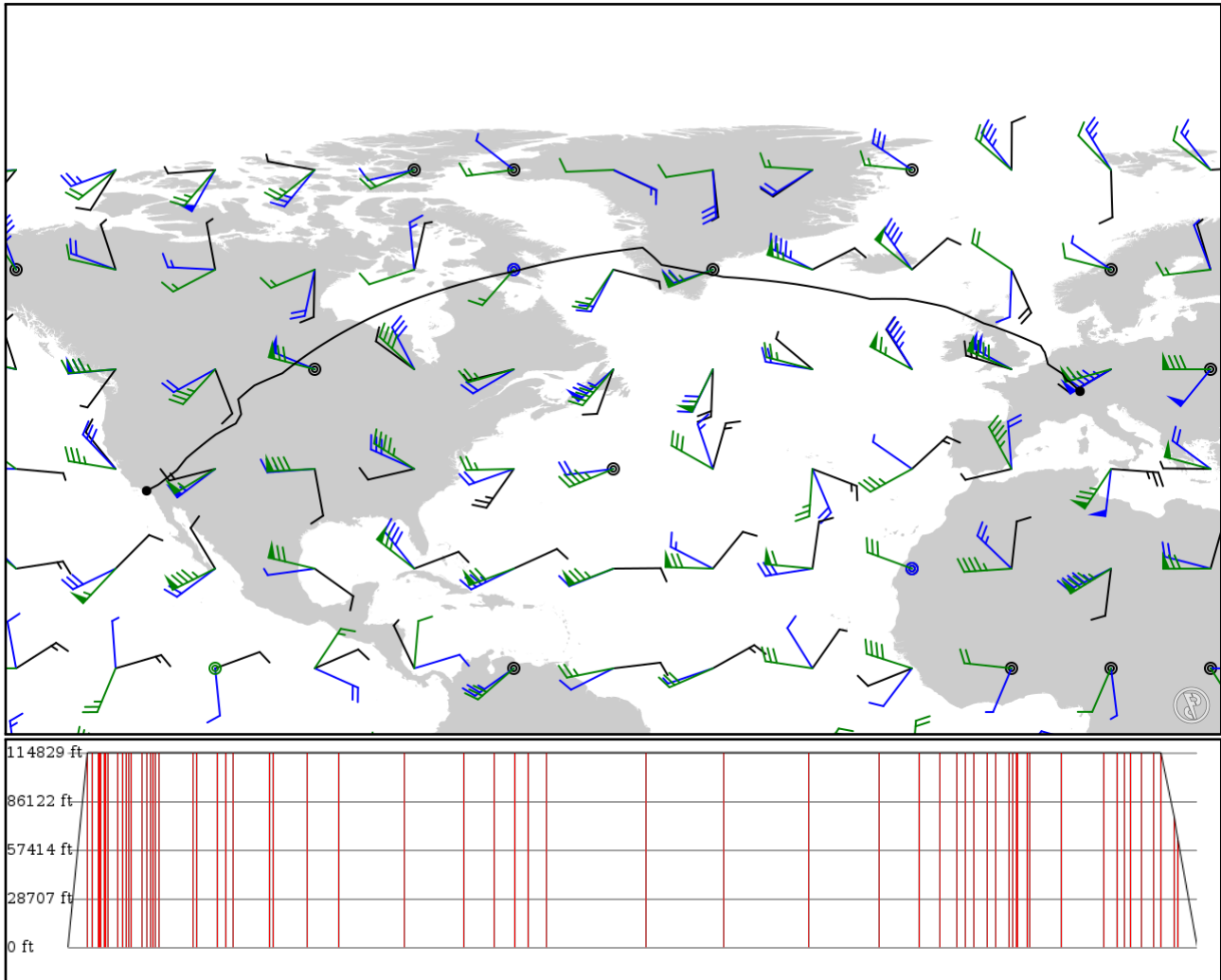
# KLAX

Los Angeles Intl

2024/05/14 0938Z

LSZH PHALO R7 GTQ UN852 SUTAL R7 DIK J524 REMBA UA24 BUB A24 TOLEN UM624 TULIP L74 MONIL P1 ROKAN  
UM982 FINDO UP58 NEVIS UP24 NINEX UP59 BALIX 6000N01500W +60.000\_--20.000 A +63.000\_--40.000  
6400N04500W W21 TOLAN SF 5E72 YFB N552C YBR J549 ISN V465 MLS V254 GCC JENNE V298 DDY J107 MLF  
V21 MMM V394 LAS J100 CLARR V394 BASAL KLAX

5397.68 nm / 9996.50 km



## Notes

Using NAT tracks from 25/2/2018

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
LSZH	-	47.46349	0 ft	-	Zurich
APT	-	8.54996	0 m		
PHALO	-	48.77778	35,000 ft	98	-
FIX	-	7.09528	10,668 m		
GTQ	R7	48.98644	35,000 ft	19	GROSTENQUIN VOR-DME
VOR	AWY-LO	6.71622	10,668 m		
SUTAL	UN852	49.46667	35,000 ft	31	-
FIX	AWY-HI	6.39167	10,668 m		
DIK21	R7	49.52333	35,000 ft	3	-
FIX	AWY-LO	6.35861	10,668 m		
LIMGO	R7	49.63722	35,000 ft	7	-
FIX	AWY-LO	6.28167	10,668 m		
DIK	R7	49.86139	35,000 ft	14	DIEKIRCH NDB
NDB	AWY-LO	6.12972	10,668 m		
DEMUL	J524	49.96306	35,000 ft	8	-
FIX	AWY-LO	5.97861	10,668 m		
RITAX	J524	50.07778	35,000 ft	9	-
FIX	AWY-LO	5.80694	10,668 m		
REMB	J524	50.66223	35,000 ft	49	-
FIX	AWY-LO	4.91403	10,668 m		
BUB	UA24	50.90222	35,000 ft	20	BRUSSELS VOR-DME
VOR	AWY-HI	4.53806	10,668 m		
NIK	A24	51.16500	35,000 ft	20	NICKY VOR-DME
VOR	AWY-LO	4.18389	10,668 m		
NIK08	A24	51.29627	35,000 ft	8	-
FIX	AWY-LO	4.14731	10,668 m		
TOLN	A24	51.53031	35,000 ft	14	-
FIX	AWY-LO	4.08659	10,668 m		
TULIP	UM624	52.36775	35,000 ft	51	-
FIX	AWY-HI	3.85731	10,668 m		
MONIL	L74	52.76076	35,000 ft	23	-
FIX	AWY-LO	3.74664	10,668 m		
SUPUR	P1	53.01522	35,000 ft	16	-
FIX	AWY-LO	3.56446	10,668 m		
GODOS	P1	53.24904	35,000 ft	14	-
FIX	AWY-LO	3.42966	10,668 m		
BINBO	P1	53.40167	35,000 ft	9	-
FIX	AWY-LO	3.34139	10,668 m		
ROKAN	P1	53.66333	35,000 ft	16	-
FIX	AWY-LO	3.18889	10,668 m		
ERLOT	UM982	55.28722	35,000 ft	163	-
FIX	AWY-HI	-0.58500	10,668 m		
ROBEM	UM982	55.45917	35,000 ft	18	-
FIX	AWY-HI	-1.02056	10,668 m		
FINDO	UM982	56.36917	35,000 ft	98	-
FIX	AWY-HI	-3.46361	10,668 m		
NEVIS	UP58	56.69528	35,000 ft	40	-
FIX	AWY-HI	-4.54472	10,668 m		
ORSUM	UP24	57.05194	35,000 ft	32	-
FIX	AWY-HI	-5.29472	10,668 m		
NINEX	UP24	58.85556	35,000 ft	172	-
FIX	AWY-HI	-9.50000	10,668 m		
BALIX	UP59	59.00000	35,000 ft	17	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-10.00000	10,668 m		
6000N01500W	-	60.00000	35,000 ft	163	-
LATLON	-	-15.00000	10,668 m		
+60.000_--20.000	-	60.00000	35,000 ft	150	-
LATLON	-	-20.00000	10,668 m		
+62.000_--30.000	A	62.00000	35,000 ft	314	-
LATLON	NAT	-30.00000	10,668 m		
+63.000_--40.000	A	63.00000	35,000 ft	283	-
LATLON	NAT	-40.00000	10,668 m		
6400N04500W	-	64.00000	35,000 ft	146	-
LATLON	-	-45.00000	10,668 m		
ASVID	W21	64.63028	35,000 ft	95	-
FIX	AWY-LO	-48.37889	10,668 m		
TOLAN	W21	65.60306	35,000 ft	63	-
FIX	AWY-LO	-49.34861	10,668 m		
SF	-	66.96749	35,000 ft	90	SONDRE STROMFJORD NDB
NDB	-	-50.94167	10,668 m		
YFB	5E72	63.74167	35,000 ft	477	FROBAY VOR
VOR	AWY-HI	-68.47333	10,668 m		
DUGNO	N552C	60.66083	35,000 ft	371	-
FIX	AWY-HI	-80.00000	10,668 m		
KEGLU	N552C	56.40611	35,000 ft	403	-
FIX	AWY-HI	-90.00000	10,668 m		
KAIIN	N552C	52.34000	35,000 ft	338	-
FIX	AWY-HI	-96.71167	10,668 m		
YBR	N552C	49.90989	35,000 ft	190	BRANDON VOR-DME
VOR	AWY-HI	-99.94567	10,668 m		
ISN80	J549	49.00157	35,000 ft	100	-
FIX	AWY-HI	-102.10129	10,668 m		
ISN	J549	48.25342	35,000 ft	79	WILLISTON VORTAC
VOR	AWY-HI	-103.75067	10,668 m		
LAMBE	V465	47.76136	35,000 ft	38	-
FIX	AWY-LO	-104.35022	10,668 m		
SAYOR	V465	47.23286	35,000 ft	40	-
FIX	AWY-LO	-104.97758	10,668 m		
MLS	V465	46.38223	35,000 ft	64	MILES CITY VOR-DME
DME	AWY-LO	-105.95354	10,668 m		
CISPU	V254	45.73439	35,000 ft	39	-
FIX	AWY-LO	-105.81973	10,668 m		
HITOS	V254	44.65808	35,000 ft	65	-
FIX	AWY-LO	-105.60412	10,668 m		
GCC	V254	44.34778	35,000 ft	18	GILLETTE VOR-DME
VOR	AWY-LO	-105.54347	10,668 m		
JENNE	-	44.11790	35,000 ft	15	-
FIX	-	-105.68020	10,668 m		
CHANG	V298	44.00626	35,000 ft	7	-
FIX	AWY-LO	-105.74614	10,668 m		
CESPI	V298	43.24462	35,000 ft	49	-
FIX	AWY-LO	-106.18906	10,668 m		
DDY	V298	43.09086	35,000 ft	10	MUDDY MOUNTAIN VOR-DME
DME	AWY-LO	-106.27702	10,668 m		
OCS	J107	41.59022	35,000 ft	151	ROCK SPRINGS VOR-DME
VOR	AWY-HI	-109.01533	10,668 m		
URNW	J107	39.13418	35,000 ft	204	-
FIX	AWY-HI	-112.10414	10,668 m		
MLF	J107	38.36036	35,000 ft	63	MILFORD VORTAC

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-HI	-113.01322	10,668 m		
BERYL	V21	37.90005	35,000 ft	32	-
FIX	AWY-LO	-113.38572	10,668 m		
URIAH	V21	37.50285	35,000 ft	28	-
FIX	AWY-LO	-113.70265	10,668 m		
MMM	V21	36.76928	35,000 ft	51	MORMON MESA VORTAC
DME	AWY-LO	-114.27747	10,668 m		
LAS	V394	36.07970	35,000 ft	59	LAS VEGAS VORTAC
DME	AWY-LO	-115.15979	10,668 m		
CLARR	J100	35.67568	35,000 ft	35	-
FIX	AWY-HI	-115.67975	10,668 m		
DAG	V394	34.96244	23,400 ft	61	DAGGETT VORTAC
VOR	AWY-LO	-116.57817	7,132 m		
BASAL	V394	34.75778	19,400 ft	18	-
FIX	AWY-LO	-116.86183	5,913 m		
KLAX	-	33.94313	0 ft	90	Los Angeles Intl
APT	-	-118.40892	0 m		

## LSZH

Region: SWITZERLAND  
Timezone: EUROPE/ZURICH  
Runways: 3

Elevation: 1,416 ft / 432 m  
Location: 47.463500 8.549950  
Magnetic Var: 3.126 E

## METAR

LSZH 140920Z 02003KT 320V070 CAVOK 20/11 Q1007 NOSIG

## TAF

TAF LSZH 140825Z 1409/1515 05007KT CAVOK TX25/1415Z TN12/1505Z TX19/1515Z PROB30 TEMPO 1415/1421 22015G30KT 4000

## Frequencies

REC - 125.72 MHz - ATIS	GND - 121.90 MHz - ZURICH GROUND
GND - 118.15 MHz - ZURICH GROUND	GND - 119.75 MHz - ZURICH GROUND
GND - 121.75 MHz - ZURICH APRON	GND - 121.70 MHz - ZURICH APRON
GND - 121.85 MHz - ZURICH APRON	GND - 121.97 MHz - ZURICH APRON
TWR - 118.10 MHz - ZURICH TOWER	TWR - 120.22 MHz - ZURICH TOWER
TWR - 119.70 MHz - ZURICH TOWER	APP - 118.00 MHz - ZURICH ARRIVAL
APP - 135.22 MHz - ZURICH APPROACH	APP - 125.32 MHz - ZURICH FINAL
APP - 120.75 MHz - ZURICH FINAL	DEP - 125.95 MHz - ZURICH DEPARTURE

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16	197 ft	12,181 ft	155.03	CONCRETE	0 ft	62 ft
	60 m	3,713 m	151.91		0 m	19 m
34	197 ft	12,181 ft	335.05	CONCRETE	1,542 ft	49 ft
	60 m	3,713 m	331.92		470 m	15 m
14	197 ft	10,816 ft	137.29	CONCRETE	492 ft	75 ft
	60 m	3,297 m	134.17		150 m	23 m
32	197 ft	10,816 ft	317.31	CONCRETE	0 ft	82 ft
	60 m	3,297 m	314.19		0 m	25 m
10	197 ft	8,196 ft	95.99	CONCRETE	0 ft	62 ft
	60 m	2,498 m	92.87		0 m	19 m
28	197 ft	8,196 ft	276.02	CONCRETE	0 ft	276 ft
	60 m	2,498 m	272.89		0 m	84 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
14	DME	IKL	108.30 MHz	18 nm	-	-	1,460 ft
				33 km	-		1,460 m
16	DME	IZH	110.50 MHz	18 nm	-	-	1,400 ft
				33 km	-		1,400 m
28	DME	IZW	109.75 MHz	18 nm	-	-	1,416 ft
				33 km	-		1,416 m
34	DME	IZS	110.75 MHz	18 nm	-	-	1,410 ft
				33 km	-		1,410 m
14	LOC-ILS	IKL	111.75 MHz	18 nm	137.31	-	1,417 ft
				33 km	134.18		1,417 m
16	LOC-ILS	IZH	110.50 MHz	18 nm	155.05	-	1,417 ft
				33 km	151.92		1,417 m
28	LOC-ILS	IZW	109.75 MHz	18 nm	276.01	-	1,417 ft
				33 km	272.88		1,417 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
34	LOC-ILS	IZS	110.75 MHz	18 nm	335.06	-	1,417 ft
				33 km	331.93		1,417 m
14	GS	IKL	111.75 MHz	10 nm	137.31	3.00	1,417 ft
				19 km	134.18		1,417 m
16	GS	IZH	110.50 MHz	10 nm	155.05	3.00	1,417 ft
				19 km	151.92		1,417 m
28	GS	IZW	109.75 MHz	10 nm	276.01	3.30	1,417 ft
				19 km	272.88		1,417 m
34	GS	IZS	110.75 MHz	10 nm	335.06	3.30	1,417 ft
				19 km	331.93		1,417 m

## KLAX

Region: UNITED STATES  
Timezone: AMERICA/LOS\_ANGELES  
Runways: 4

Elevation: 125 ft / 38 m  
Location: 33.943100 -118.409000  
Magnetic Var: 11.440 E

## METAR

KLAX 140853Z 28003KT 10SM FEW009 OVC015 15/12 A2993 RMK A02 SLP135 T01500117 58008

## TAF

KLAX 140906Z 1409/1512 VRB03KT P6SM OVC015 FM141900 25008KT P6SM BKN022 FM142100 26012KT P6SM SCT025 FM150200 260

## Frequencies

COM - 122.95 MHz - UNICOM	GND - 121.65 MHz - LOS ANGELES GROUND
GND - 121.75 MHz - LOS ANGELES GROUND	GND - 121.40 MHz - LOS ANGELES GROUND
TWR - 119.80 MHz - LOS ANGELES TOWER	TWR - 120.95 MHz - LOS ANGELES TOWER
TWR - 133.90 MHz - LOS ANGELES TOWER	REC - 133.80 MHz - D-ATIS
REC - 135.65 MHz - D-ATIS	APP - 124.90 MHz - SOCAL APPROACH
APP - 124.30 MHz - SOCAL APPROACH	APP - 124.50 MHz - SOCAL APPROACH
APP - 128.50 MHz - SOCAL APPROACH	DEP - 125.20 MHz - SOCAL DEPARTURE
DEP - 124.30 MHz - SOCAL DEPARTURE	CLD - 120.35 MHz - CLEARANCE DELIVERY

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
07R	200 ft	11,106 ft	82.96	CONCRETE	0 ft	381 ft
	61 m	3,385 m	71.52		0 m	116 m
25L	200 ft	11,106 ft	262.98	CONCRETE	0 ft	381 ft
	61 m	3,385 m	251.54		0 m	116 m
07L	151 ft	12,935 ft	82.95	CONCRETE	846 ft	374 ft
	46 m	3,943 m	71.51		258 m	114 m
25R	151 ft	12,935 ft	262.98	CONCRETE	968 ft	197 ft
	46 m	3,943 m	251.54		295 m	60 m
06R	151 ft	10,896 ft	82.95	CONCRETE	551 ft	384 ft
	46 m	3,321 m	71.51		168 m	117 m
24L	151 ft	10,896 ft	262.97	CONCRETE	814 ft	384 ft
	46 m	3,321 m	251.53		248 m	117 m
06L	151 ft	8,936 ft	82.95	CONCRETE	0 ft	0 ft
	46 m	2,724 m	71.51		0 m	0 m
24R	151 ft	8,936 ft	262.96	CONCRETE	0 ft	285 ft
	46 m	2,724 m	251.52		0 m	87 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
06L	DME	IUWU	108.50 MHz	18 nm	-	-	120 ft
				33 km	-		120 m
06R	DME	IGPE	111.70 MHz	18 nm	-	-	120 ft
				33 km	-		120 m
07L	DME	IIAS	111.10 MHz	18 nm	-	-	103 ft
				33 km	-		103 m
07R	DME	IMKZ	109.90 MHz	18 nm	-	-	103 ft
				33 km	-		103 m
24L	DME	IHQB	111.70 MHz	18 nm	-	-	133 ft
				33 km	-		133 m



Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
24R	DME	IOSS	108.50 MHz	18 nm 33 km	- -	-	133 ft 133 m
25L	DME	ILAX	109.90 MHz	18 nm 33 km	- -	-	126 ft 126 m
25R	DME	ICFN	111.10 MHz	18 nm 33 km	- -	-	126 ft 126 m
06L	LOC-ILS	IUWU	108.50 MHz	18 nm 33 km	82.97 71.53	-	125 ft 125 m
06R	LOC-ILS	IGPE	111.70 MHz	18 nm 33 km	82.97 71.53	-	125 ft 125 m
07L	LOC-ILS	IIAS	111.10 MHz	18 nm 33 km	82.98 71.54	-	125 ft 125 m
07R	LOC-ILS	IMKZ	109.90 MHz	18 nm 33 km	82.97 71.53	-	125 ft 125 m
24L	LOC-ILS	IHQB	111.70 MHz	18 nm 33 km	262.97 251.53	-	125 ft 125 m
24R	LOC-ILS	IOSS	108.50 MHz	18 nm 33 km	262.97 251.53	-	125 ft 125 m
25L	LOC-ILS	ILAX	109.90 MHz	18 nm 33 km	262.97 251.53	-	125 ft 125 m
25R	LOC-ILS	ICFN	111.10 MHz	18 nm 33 km	262.98 251.54	-	125 ft 125 m
06L	GS	IUWU	108.50 MHz	10 nm 19 km	82.97 71.53	3.00	125 ft 125 m
06R	GS	IGPE	111.70 MHz	10 nm 19 km	82.97 71.53	3.00	125 ft 125 m
07L	GS	IIAS	111.10 MHz	10 nm 19 km	82.98 71.54	3.00	125 ft 125 m
07R	GS	IMKZ	109.90 MHz	10 nm 19 km	82.97 71.53	3.00	125 ft 125 m
24L	GS	IHQB	111.70 MHz	10 nm 19 km	262.97 251.53	3.00	125 ft 125 m
24R	GS	IOSS	108.50 MHz	10 nm 19 km	262.97 251.53	3.00	125 ft 125 m
25L	GS	ILAX	109.90 MHz	10 nm 19 km	262.97 251.53	3.00	125 ft 125 m
25R	GS	ICFN	111.10 MHz	10 nm 19 km	262.98 251.54	3.00	125 ft 125 m