

LEBL

Josep Tarradellas Barcelona-El Prat

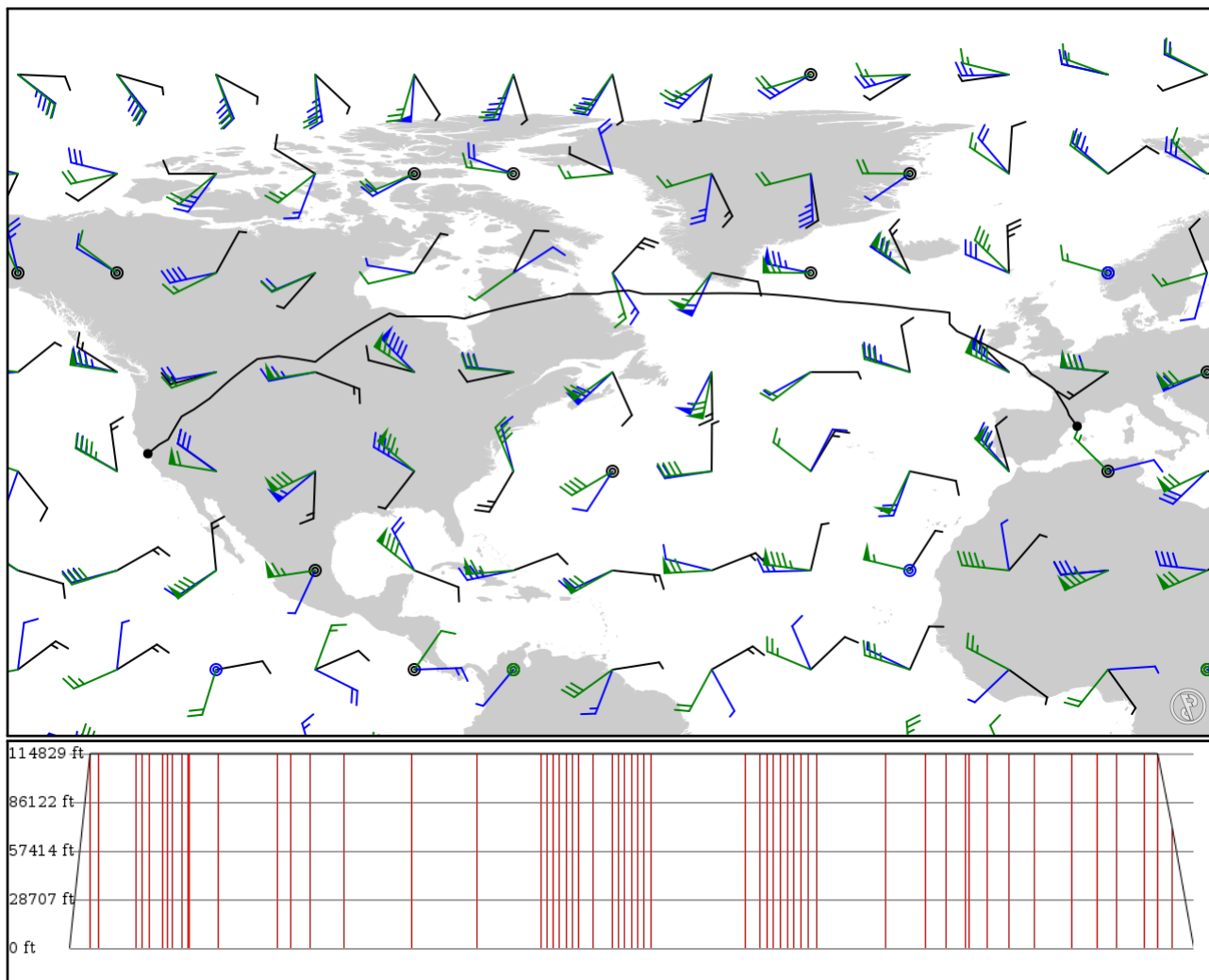
KSFO

San Francisco International

2024/06/06 1125Z

LEBL GIROM **UY110** MANAK **UT183** DEGEX **UN490** BERAD **UM142** DOLUR **UN38** LESLU BEXET RESNO BILTO **A 59/50**
5900N05100W 5900N05200W 5900N05300W 5900N05400W 5900N05500W 5900N05600W SAVRY **N808A** SINGA
5900N06200W 5900N06300W 5900N06400W 5900N06500W 5900N06600W FASSA **SCAK** GRAND 5600N08200W
5600N08300W 5600N08400W 5600N08500W 5600N08600W 5600N08700W 5600N08800W 5600N08900W KEGLU **SCAG**
YBR **J504** VLN **J500** YYN **J530** GTF **J7** FMG **J32** COLOM KSFO

5474.95 nm / 10139.60 km



Notes

Using NAT tracks from 26/3/2022

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: no
- Use high airways: yes

Route

Ident		Via	Lat	Alt	Dist	Name
Type			Lon		(nm)	
LEBL	-	41.29510	0 ft	-		Josep Tarradellas Barcelona-El Prat
APT	-	2.08803	0 m			
GIROM	-	42.77490	35,000 ft	101	-	
FIX	-	0.99731	10,668 m			
GONUP	UY110	43.46080	35,000 ft	42	-	
FIX	AWY-HI	0.75889	10,668 m			
MANAK	UY110	46.21330	35,000 ft	180	-	
FIX	AWY-HI	-0.94194	10,668 m			
TIRAV	UT183	46.59890	35,000 ft	29	-	
FIX	AWY-HI	-1.39083	10,668 m			
MOKOR	UT183	47.00690	35,000 ft	35	-	
FIX	AWY-HI	-2.01389	10,668 m			
DEGEX	UT183	47.74390	35,000 ft	64	-	
FIX	AWY-HI	-3.15667	10,668 m			
TERKU	UN490	48.03000	35,000 ft	25	-	
FIX	AWY-HI	-3.61667	10,668 m			
BERAD	UN490	48.30190	35,000 ft	24	-	
FIX	AWY-HI	-4.06167	10,668 m			
NERLA	UM142	48.99310	35,000 ft	47	-	
FIX	AWY-HI	-4.63194	10,668 m			
GANTO	UM142	49.39720	35,000 ft	27	-	
FIX	AWY-HI	-4.98111	10,668 m			
OGAGI	UM142	49.45610	35,000 ft	4	-	
FIX	AWY-HI	-5.03250	10,668 m			
DOLUR	UM142	49.48440	35,000 ft	1	-	
FIX	AWY-HI	-5.05722	10,668 m			
LESLU	UN38	51.00000	35,000 ft	145	-	
FIX	AWY-HI	-8.00000	10,668 m			
BEXET	-	54.00000	35,000 ft	283	-	
FIX	-	-14.00000	10,668 m			
RESNO	-	55.00000	35,000 ft	69	-	
FIX	-	-15.00000	10,668 m			
BILTO	-	56.50000	35,000 ft	90	-	
FIX	-	-15.00000	10,668 m			
57/20	A	57.00000	35,000 ft	167	-	
LATLON	NAT	-20.00000	10,668 m			
58/30	A	58.00000	35,000 ft	327	-	
LATLON	NAT	-30.00000	10,668 m			
59/40	A	59.00000	35,000 ft	319	-	
LATLON	NAT	-40.00000	10,668 m			
59/50	A	59.00000	35,000 ft	309	-	
LATLON	NAT	-50.00000	10,668 m			
5900N05100W	-	59.00000	35,000 ft	30	-	
LATLON	-	-51.00000	10,668 m			
5900N05200W	-	59.00000	35,000 ft	30	-	
LATLON	-	-52.00000	10,668 m			
5900N05300W	-	59.00000	35,000 ft	30	-	
LATLON	-	-53.00000	10,668 m			
5900N05400W	-	59.00000	35,000 ft	30	-	
LATLON	-	-54.00000	10,668 m			
5900N05500W	-	59.00000	35,000 ft	30	-	
LATLON	-	-55.00000	10,668 m			
5900N05600W	-	59.00000	35,000 ft	30	-	

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-56.00000	10,668 m		
SAVRY	-	59.46670	35,000 ft	67	-
FIX	-	-58.00000	10,668 m		
SINGA	N808A	59.21670	35,000 ft	95	-
FIX	AWY-HI	-61.08330	10,668 m		
5900N06200W	-	59.00000	35,000 ft	31	-
LATLON	-	-62.00000	10,668 m		
5900N06300W	-	59.00000	35,000 ft	30	-
LATLON	-	-63.00000	10,668 m		
5900N06400W	-	59.00000	35,000 ft	30	-
LATLON	-	-64.00000	10,668 m		
5900N06500W	-	59.00000	35,000 ft	30	-
LATLON	-	-65.00000	10,668 m		
5900N06600W	-	59.00000	35,000 ft	30	-
LATLON	-	-66.00000	10,668 m		
FASSA	-	58.70000	35,000 ft	35	-
FIX	-	-67.00000	10,668 m		
GRAND	SCAK	55.70330	35,000 ft	458	-
FIX	AWY-HI	-80.00000	10,668 m		
5600N08200W	-	56.00000	35,000 ft	69	-
LATLON	-	-82.00000	10,668 m		
5600N08300W	-	56.00000	35,000 ft	33	-
LATLON	-	-83.00000	10,668 m		
5600N08400W	-	56.00000	35,000 ft	33	-
LATLON	-	-84.00000	10,668 m		
5600N08500W	-	56.00000	35,000 ft	33	-
LATLON	-	-85.00000	10,668 m		
5600N08600W	-	56.00000	35,000 ft	33	-
LATLON	-	-86.00000	10,668 m		
5600N08700W	-	56.00000	35,000 ft	33	-
LATLON	-	-87.00000	10,668 m		
5600N08800W	-	56.00000	35,000 ft	33	-
LATLON	-	-88.00000	10,668 m		
5600N08900W	-	56.00000	35,000 ft	33	-
LATLON	-	-89.00000	10,668 m		
KEGLU	-	56.40610	35,000 ft	41	-
FIX	-	-90.00000	10,668 m		
KAIIN	SCAG	52.33970	35,000 ft	338	-
FIX	AWY-HI	-96.71170	10,668 m		
YBR	SCAG	49.90990	35,000 ft	190	BRANDON
VOR	AWY-HI	-99.94570	10,668 m		
YDR	J504	50.36290	35,000 ft	103	BROADVIEW
VOR	AWY-HI	-102.54000	10,668 m		
VLN	J504	50.66690	35,000 ft	91	LUMSDEN
VOR	AWY-HI	-104.89000	10,668 m		
ODGOV	J500	50.59890	35,000 ft	20	-
FIX	AWY-HI	-105.42900	10,668 m		
YYN	J500	50.29700	35,000 ft	88	SWIFT CURRENT
VOR	AWY-HI	-107.69100	10,668 m		
GGRBI	J530	49.00000	35,000 ft	103	-
FIX	AWY-HI	-109.45800	10,668 m		
GTF	J530	47.45000	35,000 ft	121	GREAT FALLS
VOR	AWY-HI	-111.41200	10,668 m		
LKT	J7	45.02130	35,000 ft	183	SALMON
VOR	AWY-HI	-114.08400	10,668 m		
BOI	J7	43.55280	35,000 ft	126	BOISE

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-HI	-116.19200	10,668 m		
REO	J7	42.59050	35,000 ft	93	ROME
VOR	AWY-HI	-117.86800	10,668 m		
GASSI	J7	40.57170	35,000 ft	132	-
FIX	AWY-HI	-119.06800	10,668 m		
FMG	J7	39.53130	35,000 ft	68	MUSTANG (RENO)
VOR	AWY-HI	-119.65600	10,668 m		
COLOM	J32	38.83900	21,800 ft	70	-
FIX	AWY-HI	-120.87000	6,645 m		
KSFO	-	37.61850	0 ft	102	San Francisco International
APT	-	-122.37500	0 m		

LEBL

Region: SPAIN
Timezone: EUROPE/MADRID
Runways: 3

Elevation: 14 ft / 4 m
Location: 41.295100 2.088030
Magnetic Var: 1.550 E

METAR

LEBL 061100Z 22015KT CAVOK 24/17 Q1018 NOSIG

TAF

TAF LEBL 060500Z 0606/0706 33005KT 9999 FEW010 SCT015 TX26/0612Z TN18/0606Z BECMG 0606/0608 22010KT BECMG 0619/06

Frequencies

REC - 121.97 MHz - ATIS	REC - 118.65 MHz - ATIS
TWR - 118.32 MHz - BARCELONA TOWER	TWR - 118.10 MHz - BARCELONA TOWER
TWR - 122.82 MHz - BARCELONA TOWER	TWR - 122.10 MHz - BARCELONA TOWER
GND - 122.22 MHz - BARCELONA GROUND	GND - 121.70 MHz - BARCELONA GROUND
GND - 121.65 MHz - BARCELONA GROUND	CLD - 121.80 MHz - CLEARANCE DELIVERY
APP - 121.15 MHz - BARCELONA APPROACH	APP - 119.10 MHz - BARCELONA APPROACH
APP - 135.27 MHz - BARCELONA APPROACH	APP - 133.97 MHz - BARCELONA APPROACH
APP - 131.12 MHz - BARCELONA APPROACH	APP - 127.70 MHz - BARCELONA APPROACH
APP - 126.50 MHz - BARCELONA APPROACH	APP - 124.70 MHz - BARCELONA APPROACH
APP - 125.25 MHz - BARCELONA APPROACH	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
02	148 ft	8,307 ft	18.91	ASPHALT	0 ft	0 ft
	45 m	2,532 m	17.36		0 m	0 m
20	148 ft	8,307 ft	198.92	ASPHALT	0 ft	226 ft
	45 m	2,532 m	197.37		0 m	69 m
07R	197 ft	8,722 ft	65.48	ASPHALT	0 ft	0 ft
	60 m	2,658 m	63.93		0 m	0 m
25L	197 ft	8,722 ft	245.50	ASPHALT	0 ft	0 ft
	60 m	2,658 m	243.95		0 m	0 m
07L	197 ft	10,984 ft	65.48	ASPHALT	1,401 ft	0 ft
	60 m	3,348 m	63.93		427 m	0 m
25R	197 ft	10,984 ft	245.50	ASPHALT	0 ft	0 ft
	60 m	3,348 m	243.96		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
02	DME	BLT	108.75 MHz	25 nm	-	-	12 ft
				46 km	-		12 m
07L	DME	QAA	110.30 MHz	18 nm	-	-	13 ft
				33 km	-		13 m
07R	DME	BLE	110.75 MHz	18 nm	-	-	30 ft
				33 km	-		30 m
25L	DME	BLW	111.50 MHz	18 nm	-	-	14 ft
				33 km	-		14 m
25R	DME	BCA	109.50 MHz	18 nm	-	-	30 ft
				33 km	-		30 m
02	LOC-ILS	BLT	108.75 MHz	18 nm	18.92	-	14 ft
				33 km	17.37		14 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07L	LOC-ILS	QAA	110.30 MHz	18 nm	65.50	-	14 ft
				33 km	63.95		14 m
07R	LOC-ILS	BLE	110.75 MHz	18 nm	65.50	-	14 ft
				33 km	63.95		14 m
25L	LOC-ILS	BLW	111.50 MHz	18 nm	245.50	-	14 ft
				33 km	243.95		14 m
25R	LOC-ILS	BCA	109.50 MHz	18 nm	245.50	-	14 ft
				33 km	243.95		14 m
02	GS	BLT	108.75 MHz	10 nm	18.92	3.00	14 ft
				19 km	17.37		14 m
07L	GS	QAA	110.30 MHz	10 nm	65.50	3.00	14 ft
				19 km	63.95		14 m
07R	GS	BLE	110.75 MHz	10 nm	65.50	3.00	14 ft
				19 km	63.95		14 m
25L	GS	BLW	111.50 MHz	10 nm	245.50	3.00	14 ft
				19 km	243.95		14 m
25R	GS	BCA	109.50 MHz	10 nm	245.50	3.00	14 ft
				19 km	243.95		14 m

KSFO

Region: UNITED STATES
Timezone: AMERICA/LOS_ANGELES
Runways: 4

Elevation: 13 ft / 4 m
Location: 37.618500 -122.375000
Magnetic Var: 12.836 E

METAR

KSFO 061056Z 30012KT 10SM FEW200 13/09 A2982 RMK AO2 SLP097 T01280094

TAF

KSFO 060900Z 0609/0712 29012KT P6SM SKC FM061300 28006KT P6SM SCT015 FM061800 26012KT P6SM SKC FM062200 30018G25K

Frequencies

REC - 113.70 MHz - D-ATIS	REC - 115.80 MHz - D-ATIS
REC - 118.85 MHz - D-ATIS	COM - 122.95 MHz - UNICOM
CLD - 118.20 MHz -	GND - 121.80 MHz - SAN FRANCISCO GROUND
SAN FRANCISCO CLEARANCE DELIVERY	APP - 134.50 MHz - NORCAL APPROACH
TWR - 120.50 MHz - SAN FRANCISCO TOWER	APP - 128.57 MHz - NORCAL APPROACH
APP - 128.32 MHz - NORCAL APPROACH	DEP - 120.90 MHz - NORCAL DEPARTURE
APP - 133.95 MHz - NORCAL APPROACH	
DEP - 135.10 MHz - NORCAL DEPARTURE	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
10L	200 ft	11,859 ft	117.90	ASPHALT	0 ft	876 ft
	61 m	3,615 m	105.06		0 m	267 m
28R	200 ft	11,859 ft	297.92	ASPHALT	302 ft	318 ft
	61 m	3,615 m	285.08		92 m	97 m
10R	200 ft	11,371 ft	117.90	ASPHALT	0 ft	748 ft
	61 m	3,466 m	105.06		0 m	228 m
28L	200 ft	11,371 ft	297.92	ASPHALT	305 ft	322 ft
	61 m	3,466 m	285.08		93 m	98 m
01R	200 ft	8,665 ft	27.71	ASPHALT	564 ft	404 ft
	61 m	2,641 m	14.88		172 m	123 m
19L	200 ft	8,665 ft	207.72	ASPHALT	0 ft	443 ft
	61 m	2,641 m	194.88		0 m	135 m
01L	200 ft	7,664 ft	27.71	ASPHALT	643 ft	469 ft
	61 m	2,336 m	14.87		196 m	143 m
19R	200 ft	7,664 ft	207.72	ASPHALT	0 ft	446 ft
	61 m	2,336 m	194.88		0 m	136 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
19L	DME	ISIA	108.90 MHz	18 nm	-	-	24 ft
				33 km	-		24 m
28L	DME	ISFO	109.55 MHz	18 nm	-	-	22 ft
				33 km	-		22 m
28R	DME	IGWQ	111.70 MHz	18 nm	-	-	17 ft
				33 km	-		17 m
28R	DME	IFNP	110.75 MHz	18 nm	-	-	13 ft
				33 km	-		13 m
19L	LOC-ILS	ISIA	108.90 MHz	18 nm	207.72	-	13 ft
				33 km	194.88		13 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
28L	LOC-ILS	ISFO	109.55 MHz	18 nm	297.91	-	13 ft
				33 km	285.07		13 m
28R	LOC-ILS	IGWQ	111.70 MHz	18 nm	297.91	-	13 ft
				33 km	285.07		13 m
19L	GS	ISIA	108.90 MHz	10 nm	207.72	3.00	13 ft
				19 km	194.88		13 m
28L	GS	ISFO	109.55 MHz	10 nm	297.91	2.85	13 ft
				19 km	285.07		13 m
28R	GS	IGWQ	111.70 MHz	10 nm	297.91	3.00	13 ft
				19 km	285.07		13 m