

TJSJ

San Juan - Luis Munoz Marin Intl

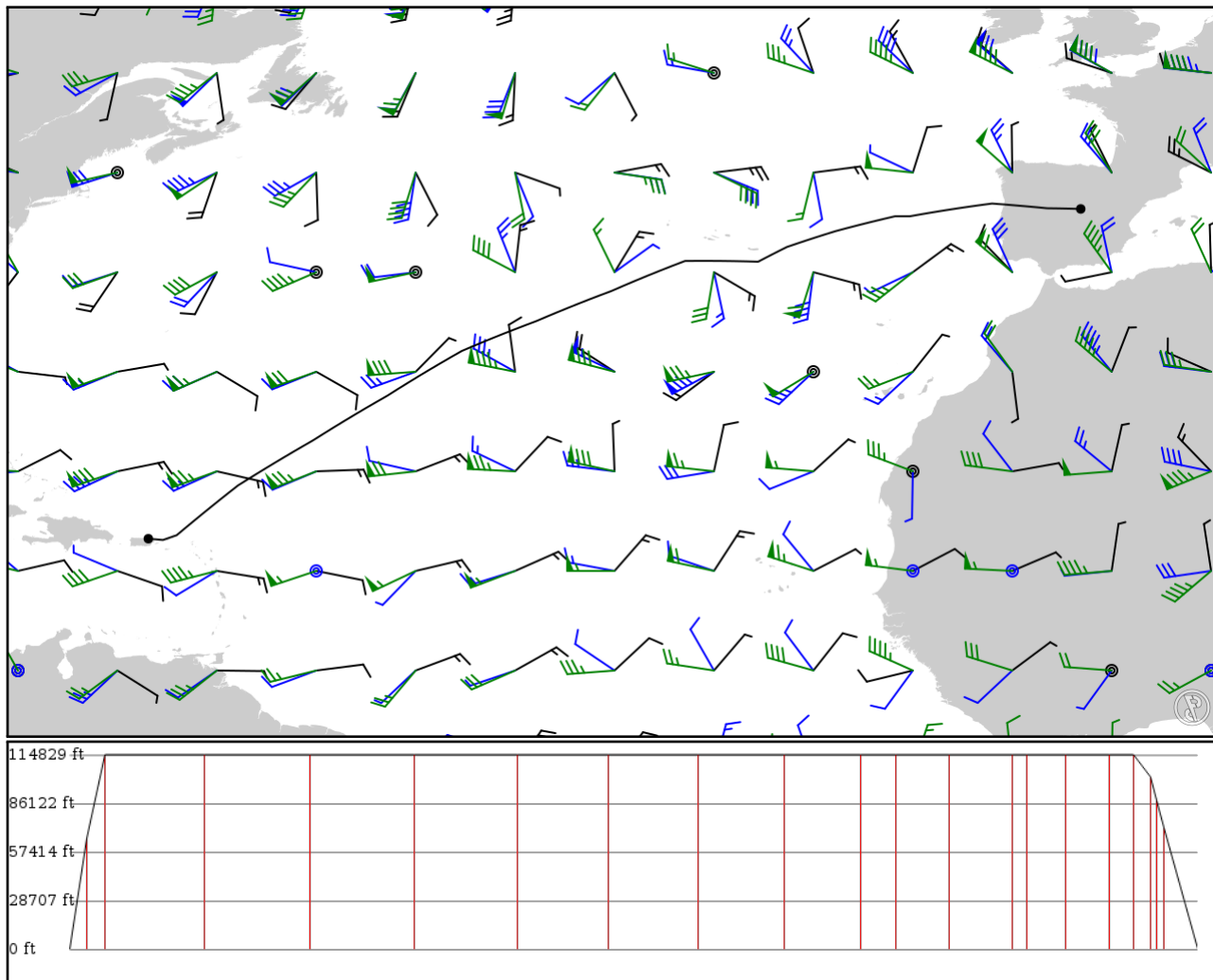
LEMD

Barajas

2024/05/21 0122Z

TJSJ STT **A638** GUYRO 2200N06000W 2500N05500W 2800N05000W 3100N04500W 3300N04000W 3500N03500W
GOMOS **H106** VSM **H102** BEKUN 3900N02000W 15SNT ERPES **UZ25** DIRMA **UM191** RIDAV LEMD

3491.72 nm / 6466.66 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: no

- Use high airways: yes

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
TJSJ APT	-	18.43878 -66.00202	0 ft 0 m	-	San Juan - Luis Munoz Marin Intl
STT DME	-	18.35582 -65.02456	19,900 ft 6,066 m	55	ST THOMAS VOR-DME
GUYRO FIX	A638 AWY-HI	18.67124 -64.10881	35,000 ft 10,668 m	55	-
2200N06000W LATLON	-	22.00000 -60.00000	35,000 ft 10,668 m	305	-
2500N05500W LATLON	-	25.00000 -55.00000	35,000 ft 10,668 m	329	-
2800N05000W LATLON	-	28.00000 -50.00000	35,000 ft 10,668 m	323	-
3100N04500W LATLON	-	31.00000 -45.00000	35,000 ft 10,668 m	317	-
3300N04000W LATLON	-	33.00000 -40.00000	35,000 ft 10,668 m	281	-
3500N03500W LATLON	-	35.00000 -35.00000	35,000 ft 10,668 m	276	-
GOMOS FIX	-	37.01333 -30.05722	35,000 ft 10,668 m	268	-
VSM VOR	H106 AWY-HI	36.96278 -25.16639	35,000 ft 10,668 m	234	SANTA MARIA VOR-DME
BEKUN FIX	H102 AWY-HI	37.94833 -23.23472	35,000 ft 10,668 m	109	-
3900N02000W LATLON	-	39.00000 -20.00000	35,000 ft 10,668 m	164	-
15SNT FIX	-	40.00000 -16.00000	35,000 ft 10,668 m	194	-
ERPES FIX	-	40.00000 -15.00000	35,000 ft 10,668 m	46	-
SOPOP FIX	UZ25 AWY-HI	40.44000 -12.38667	35,000 ft 10,668 m	122	-
DIRMA FIX	UZ25 AWY-HI	40.85167 -9.50083	35,000 ft 10,668 m	133	-
VIS VOR	UM191 AWY-HI	40.72333 -7.88583	35,000 ft 10,668 m	73	WISEU VOR-DME
RIVRO FIX	UM191 AWY-HI	40.62281 -6.72276	31,000 ft 9,449 m	53	-
BARDI FIX	UM191 AWY-HI	40.58348 -6.30246	26,800 ft 8,169 m	19	-
RIDAV FIX	UM191 AWY-HI	40.53524 -5.80829	21,900 ft 6,675 m	22	-
LEMD APT	-	40.49045 -3.56061	0 ft 0 m	102	Barajas

TJSJ

Region: USA (PUERTO RICO)
Timezone: AMERICA/PUERTO_RICO
Runways: 2

Elevation: 8 ft / 2 m
Location: 18.438700 -66.002200
Magnetic Var: 13.516 W

METAR

TJSJ 210056Z VRB04KT 10SM CLR 29/24 A2995

TAF

TAF TJSJ 202342Z 2100/2124 15009G15KT P6SM FEW035 SCT060 FM210100 VRB03KT P6SM VCSH SCT025 FM211400 08011G18KT P6

Frequencies

REC - 125.80 MHz - ATIS	COM - 123.00 MHz - UNICOM
CLD - 126.40 MHz - CLEARANCE DELIVERY	GND - 121.90 MHz - SAN JUAN GROUND
TWR - 132.05 MHz - SAN JUAN TOWER	DEP - 120.90 MHz - SAN JUAN DEPARTURE
DEP - 119.40 MHz - SAN JUAN DEPARTURE	APP - 119.40 MHz - SAN JUAN APPROACH
APP - 120.90 MHz - SAN JUAN APPROACH	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
08	200 ft	10,410 ft	66.85	ASPHALT	404 ft	394 ft
	61 m	3,173 m	80.37		123 m	120 m
26	200 ft	10,410 ft	246.86	ASPHALT	400 ft	397 ft
	61 m	3,173 m	260.38		122 m	121 m
10	151 ft	8,006 ft	90.14	CONCRETE	0 ft	203 ft
	46 m	2,440 m	103.66		0 m	62 m
28	151 ft	8,006 ft	270.15	CONCRETE	0 ft	200 ft
	46 m	2,440 m	283.67		0 m	61 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
08	LOC-ILS	ISJU	110.30 MHz	18 nm	66.86	-	2 ft
				33 km	80.38		2 m
10	LOC-ILS	ICLA	109.70 MHz	18 nm	90.15	-	2 ft
				33 km	103.67		2 m
08	GS	ISJU	110.30 MHz	10 nm	66.86	3.00	2 ft
				19 km	80.38		2 m
10	GS	ICLA	109.70 MHz	10 nm	90.15	3.00	2 ft
				19 km	103.67		2 m

LEMD

Region: SPAIN
Timezone: EUROPE/MADRID
Runways: 4

Elevation: 1,998 ft / 609 m
Location: 40.495300 -3.560200
Magnetic Var: 0.082 E

METAR

LEMD 210100Z 05003KT 020V080 9999 SCT075 13/07 Q1013 NOSIG

TAF

TAF LEMD 202300Z 2100/2206 VRB03KT 9999 FEW060 TX22/2115Z TN07/2106Z BECMG 2109/2111 25010KT PROB40 TEMPO 2112/21

Frequencies

REC - 130.85 MHz - ATIS DEPARTURE	REC - 118.25 MHz - ATIS ARRIVAL
TWR - 120.65 MHz - BARAJAS TOWER	TWR - 120.15 MHz - BARAJAS TOWER
TWR - 119.50 MHz - BARAJAS TOWER	TWR - 118.15 MHz - BARAJAS TOWER
GND - 121.75 MHz - BARAJAS GROUND	GND - 123.15 MHz - BARAJAS GROUND
GND - 121.70 MHz - BARAJAS APRON	GND - 123.25 MHz - BARAJAS APRON
GND - 121.85 MHz - BARAJAS APRON	GND - 123.00 MHz - BARAJAS APRON
CLD - 130.35 MHz - CLEARANCE DELIVERY	CLD - 130.00 MHz - CLEARANCE DELIVERY
APP - 127.50 MHz - MADRID APPROACH	APP - 136.10 MHz - MADRID APPROACH
APP - 134.00 MHz - MADRID APPROACH	APP - 130.80 MHz - MADRID APPROACH
APP - 127.10 MHz - MADRID APPROACH	APP - 124.00 MHz - MADRID APPROACH
APP - 118.75 MHz - MADRID APPROACH	APP - 118.40 MHz - MADRID APPROACH
DEP - 131.17 MHz - MADRID DEPARTURE	DEP - 124.22 MHz - MADRID DEPARTURE
APP - 134.95 MHz - MADRID DIRECT	APP - 128.70 MHz - MADRID DIRECT

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
14R	197 ft	13,097 ft	142.31	ASPHALT	0 ft	0 ft
	60 m	3,992 m	142.22		0 m	0 m
32L	197 ft	13,097 ft	322.32	ASPHALT	3,041 ft	0 ft
	60 m	3,992 m	322.24		927 m	0 m
18R	197 ft	13,723 ft	179.75	ASPHALT	2,644 ft	0 ft
	60 m	4,183 m	179.67		806 m	0 m
36L	197 ft	13,723 ft	359.75	ASPHALT	0 ft	0 ft
	60 m	4,183 m	359.67		0 m	0 m
14L	197 ft	11,494 ft	142.31	ASPHALT	0 ft	0 ft
	60 m	3,504 m	142.23		0 m	0 m
32R	197 ft	11,494 ft	322.33	ASPHALT	1,627 ft	0 ft
	60 m	3,504 m	322.25		496 m	0 m
18L	197 ft	11,494 ft	179.76	ASPHALT	1,621 ft	0 ft
	60 m	3,503 m	179.68		494 m	0 m
36R	197 ft	11,494 ft	359.76	ASPHALT	0 ft	0 ft
	60 m	3,503 m	359.68		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
18L	DME	IML	111.50 MHz	18 nm	-	-	1,916 ft
				33 km	-		1,916 m
18R	DME	IMR	110.70 MHz	18 nm	-	-	1,986 ft
				33 km	-		1,986 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
32L	DME	MAA	109.90 MHz	18 nm	-	-	1,998 ft
				33 km	-		1,998 m
32R	DME	MBB	109.10 MHz	18 nm	-	-	1,998 ft
				33 km	-		1,998 m
18L	LOC-ILS	IML	111.50 MHz	18 nm	179.76	-	1,998 ft
				33 km	179.68		1,998 m
18R	LOC-ILS	IMR	110.70 MHz	18 nm	179.75	-	1,998 ft
				33 km	179.67		1,998 m
32L	LOC-ILS	MAA	109.90 MHz	18 nm	322.32	-	1,998 ft
				33 km	322.24		1,998 m
32R	LOC-ILS	MBB	109.10 MHz	18 nm	322.33	-	1,998 ft
				33 km	322.25		1,998 m
18L	GS	IML	111.50 MHz	10 nm	179.76	3.00	1,998 ft
				19 km	179.68		1,998 m
18R	GS	IMR	110.70 MHz	10 nm	179.75	3.00	1,978 ft
				19 km	179.67		1,978 m
32L	GS	MAA	109.90 MHz	10 nm	322.32	3.00	1,998 ft
				19 km	322.24		1,998 m
32R	GS	MBB	109.10 MHz	10 nm	322.33	3.00	1,998 ft
				19 km	322.25		1,998 m