

TJSJ

Luis Munoz Marin Intl

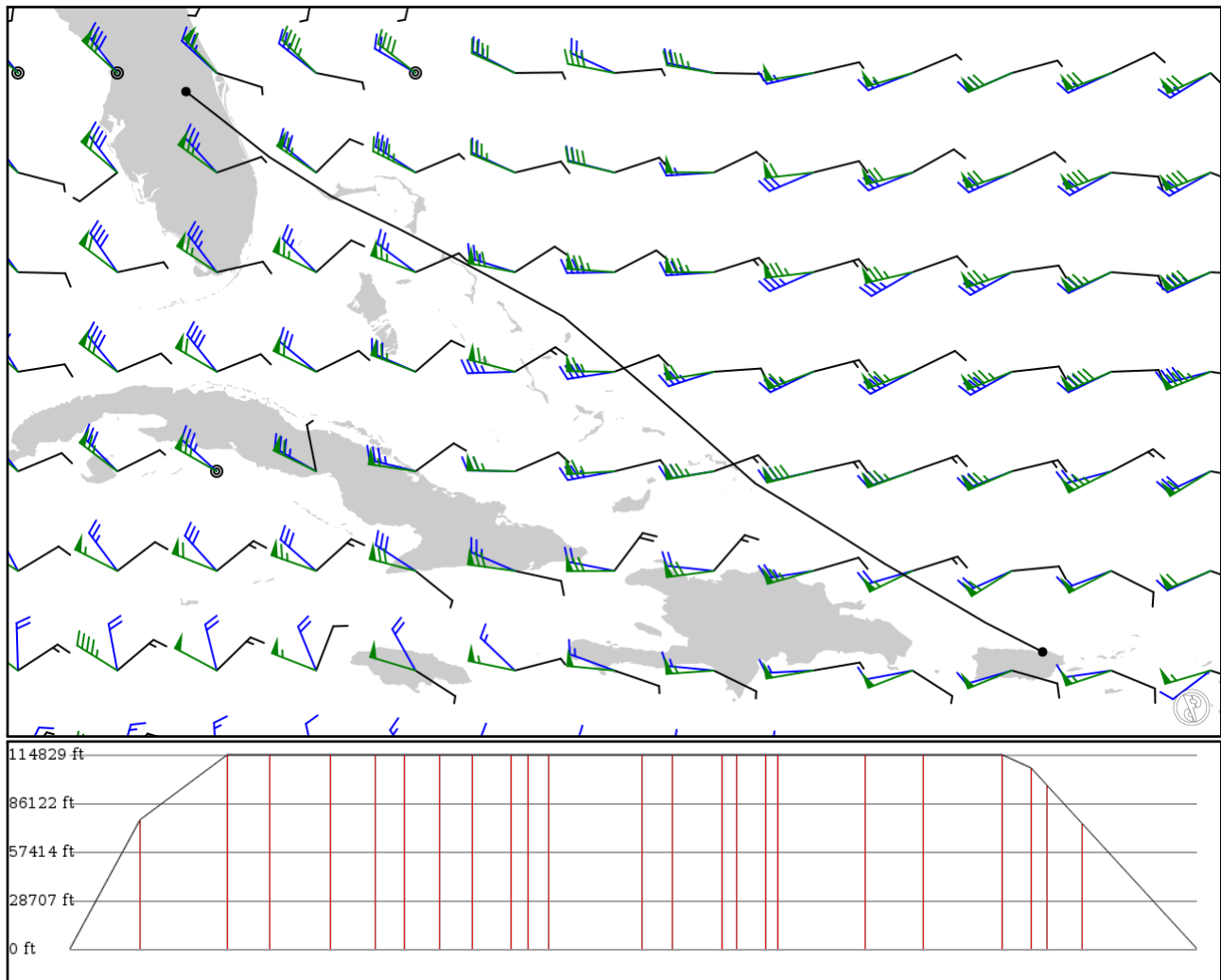
KMCO

Orlando Intl

2024/05/28 2300Z

TJSJ ROBLL Y587 HARDE A555 GRADI Y587 SEBUG A555 GTK BR1L ZFP BR62V SURFN KMCO

1039.54 nm / 1925.22 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
TJSJ APT	-	18.43870 -66.00220	0 ft 0 m	-	Luis Munoz Marin Intl
ROBL FIX	-	18.95450 -67.01400	23,300 ft 7,102 m	65	-
GAGD FIX	Y587 AWY-HI	19.66440 -68.22470	35,000 ft 10,668 m	80	-
HARDE FIX	Y587 AWY-HI	20.00640 -68.81700	35,000 ft 10,668 m	39	-
GRADI FIX	A555 AWY-HI	20.52120 -69.63200	35,000 ft 10,668 m	55	-
SEBUG FIX	Y587 AWY-HI	20.89770 -70.24210	35,000 ft 10,668 m	41	-
COCBU FIX	A555 AWY-HI	21.14990 -70.65440	35,000 ft 10,668 m	27	-
GTK VOR	A555 AWY-HI	21.44070 -71.13440	35,000 ft 10,668 m	32	GRAND TURK
BIKIN FIX	BR1L AWY-HI	21.78750 -71.52400	35,000 ft 10,668 m	30	-
STRUD FIX	BR1L AWY-HI	22.19860 -71.98410	35,000 ft 10,668 m	35	-
RAHAM FIX	BR1L AWY-HI	22.37940 -72.18760	35,000 ft 10,668 m	15	-
OREDE FIX	BR1L AWY-HI	22.60410 -72.44530	35,000 ft 10,668 m	19	-
BENIE FIX	BR1L AWY-HI	23.57430 -73.57290	35,000 ft 10,668 m	85	-
AVNEY FIX	BR1L AWY-HI	23.89550 -73.94990	35,000 ft 10,668 m	28	-
BRRGO FIX	BR1L AWY-HI	24.41670 -74.56550	35,000 ft 10,668 m	46	-
LOGVN FIX	BR1L AWY-HI	24.53330 -74.77810	35,000 ft 10,668 m	13	-
COBBL FIX	BR1L AWY-HI	24.75690 -75.18800	35,000 ft 10,668 m	26	-
DIAZZ FIX	BR1L AWY-HI	24.85490 -75.36900	35,000 ft 10,668 m	11	-
MAMML FIX	BR1L AWY-HI	25.53670 -76.64770	35,000 ft 10,668 m	80	-
BARTS FIX	BR1L AWY-HI	25.98370 -77.50570	35,000 ft 10,668 m	53	-
ZFP VOR	BR1L AWY-HI	26.55530 -78.69790	35,000 ft 10,668 m	72	FREEPORT
JAKEL FIX	BR62V AWY-HI	26.81620 -79.10770	32,600 ft 9,936 m	27	-
BERTH FIX	BR62V AWY-HI	26.95360 -79.32540	29,500 ft 8,992 m	14	-
SURFN FIX	BR62V AWY-HI	27.26260 -79.81800	22,600 ft 6,888 m	32	-
KMCO APT	-	28.42920 -81.30680	0 ft 0 m	105	Orlando Intl

TJSJ

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

Elevation: 8 ft / 2 m
Location: 18.438700 -66.002200
Magnetic Var: 13.517 W

METAR

TJSJ 282156Z 09013KT 9SM FEW032 SCT085 BKN120 30/25 A3000

TAF

TAF TJSJ 281733Z 2818/2918 07015KT P6SM -SHRA FEW020 SCT035 BKN070 FM282200 10005KT P6SM VCTS SCT025CB SCT050 FM290000 10010KT P6SM BKN040

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

KMCO

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

Elevation: 96 ft / 29 m
Location: 28.429200 -81.306800
Magnetic Var: 6.999 W

METAR

KMCO 282236Z 04007KT 10SM -RA FEW030 BKN055 BKN085 29/24 A2995 RMK AO2 PK WND 31030/2200 RAB2157 VCSH E P0026 T028

TAF

KMCO 282204Z 2822/2924 29008KT P6SM VCTS SCT050CB SCT250 TEMPO 2822/2823 2SM TSRA BR BKN035CB FM290000 28007KT P6

Frequencies

REC - 120.52 MHz - D-ATIS
CLD - 134.70 MHz - CLEARANCE DELIVERY
GND - 126.40 MHz - ORLANDO GROUND
TWR - 124.30 MHz - ORLANDO TOWER
APP - 119.40 MHz - ORLANDO APPROACH
APP - 124.80 MHz - ORLANDO APPROACH
APP - 123.85 MHz - ORLANDO APPROACH
DEP - 119.40 MHz - ORLANDO DEPARTURE
DEP - 124.80 MHz - ORLANDO DEPARTURE

REC - 121.25 MHz - D-ATIS
COM - 122.95 MHz - UNICOM
GND - 121.80 MHz - ORLANDO GROUND
TWR - 118.45 MHz - ORLANDO TOWER
APP - 120.15 MHz - ORLANDO APPROACH
APP - 135.30 MHz - ORLANDO APPROACH
APP - 134.05 MHz - ORLANDO APPROACH
DEP - 120.15 MHz - ORLANDO DEPARTURE
DEP - 135.30 MHz - ORLANDO DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
17R	151 ft	10,036 ft	179.47	CONCRETE	0 ft	404 ft
	46 m	3,059 m	186.47		0 m	123 m
35L	151 ft	10,036 ft	359.47	CONCRETE	0 ft	400 ft
	46 m	3,059 m	6.47		0 m	122 m
17L	151 ft	9,028 ft	179.48	CONCRETE	0 ft	400 ft
	46 m	2,752 m	186.48		0 m	122 m
35R	151 ft	9,028 ft	359.48	CONCRETE	0 ft	404 ft
	46 m	2,752 m	6.48		0 m	123 m
18L	200 ft	12,049 ft	179.46	CONCRETE	0 ft	400 ft
	61 m	3,673 m	186.46		0 m	122 m
36R	200 ft	12,049 ft	359.46	CONCRETE	0 ft	407 ft
	61 m	3,673 m	6.46		0 m	124 m
18R	200 ft	12,049 ft	179.45	ASPHALT	0 ft	909 ft
	61 m	3,673 m	186.45		0 m	277 m
36L	200 ft	12,049 ft	359.45	ASPHALT	0 ft	702 ft
	61 m	3,673 m	6.45		0 m	214 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
17L	DME	IARK	110.95 MHz	18 nm	-	-	86 ft
				33 km	-		86 m
17R	DME	IDIZ	111.75 MHz	18 nm	-	-	86 ft
				33 km	-		86 m
18R	DME	ITFE	111.90 MHz	18 nm	-	-	86 ft
				33 km	-		86 m
35L	DME	IDDO	110.50 MHz	18 nm	-	-	100 ft
				33 km	-		100 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
35R	DME	ICER	111.15 MHz	18 nm	-	-	90 ft
				33 km	-		90 m
36R	DME	IOJP	110.70 MHz	18 nm	-	-	91 ft
				33 km	-		91 m
17L	LOC-ILS	IARK	110.95 MHz	18 nm	179.46	-	96 ft
				33 km	186.46		96 m
17R	LOC-ILS	IDIZ	111.75 MHz	18 nm	179.51	-	96 ft
				33 km	186.51		96 m
18R	LOC-ILS	ITFE	111.90 MHz	18 nm	179.50	-	96 ft
				33 km	186.50		96 m
35L	LOC-ILS	IDDO	110.50 MHz	18 nm	359.51	-	96 ft
				33 km	6.51		96 m
35R	LOC-ILS	ICER	111.15 MHz	18 nm	359.46	-	96 ft
				33 km	6.46		96 m
36R	LOC-ILS	IOJP	110.70 MHz	18 nm	359.50	-	96 ft
				33 km	6.50		96 m
17L	GS	IARK	110.95 MHz	10 nm	179.46	3.00	96 ft
				19 km	186.46		96 m
17R	GS	IDIZ	111.75 MHz	10 nm	179.51	3.00	96 ft
				19 km	186.51		96 m
18R	GS	ITFE	111.90 MHz	10 nm	179.50	3.00	96 ft
				19 km	186.50		96 m
35L	GS	IDDO	110.50 MHz	10 nm	359.51	3.00	96 ft
				19 km	6.51		96 m
35R	GS	ICER	111.15 MHz	10 nm	359.46	3.00	96 ft
				19 km	6.46		96 m
36R	GS	IOJP	110.70 MHz	10 nm	359.50	3.00	96 ft
				19 km	6.50		96 m