

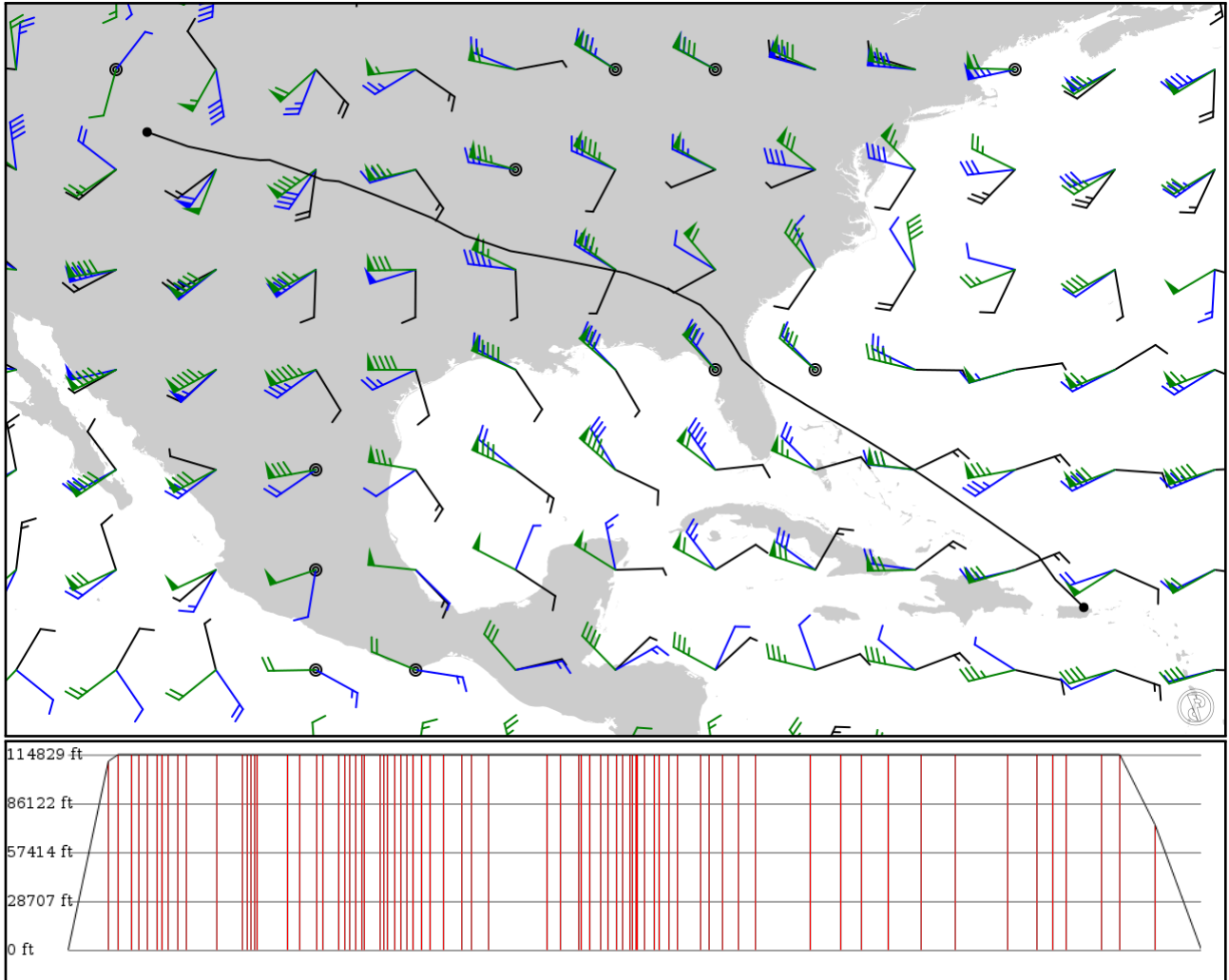
**4V0**  
RANGELY

**TJSJ**  
Luis Munoz Marin Intl

2024/05/05 2124Z

4V0 DBL **V108** HGO **J24** SELLS **J154** GCK **V10** DDC **V74** ANY **V516** PER **V74** LIT **J14** VUZ **V168** LGC **V243** AYS  
**T207** OMN **Y585** ELMUC **G431** UTAHS TJSJ

2595.94 nm / 4807.68 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
4V0	-	40.09540	0 ft	-	RANGELY
APT	-	-108.76100	0 m		
DBL	-	39.43930	33,800 ft	94	RED TABLE (EAGLE)
VOR	-	-106.89500	10,302 m		
JNETT	V108	39.35230	35,000 ft	19	-
FIX	AWY-LO	-106.48000	10,668 m		
BASEE	V108	39.20620	35,000 ft	32	-
FIX	AWY-LO	-105.80000	10,668 m		
MURFE	V108	39.13820	35,000 ft	14	-
FIX	AWY-LO	-105.49100	10,668 m		
STAMY	V108	39.04220	35,000 ft	20	-
FIX	AWY-LO	-105.06200	10,668 m		
BRK	V108	38.94450	35,000 ft	20	BLACK FOREST
VOR	AWY-LO	-104.63300	10,668 m		
ADANE	V108	38.91590	35,000 ft	11	-
FIX	AWY-LO	-104.39900	10,668 m		
CHEBA	V108	38.87950	35,000 ft	13	-
FIX	AWY-LO	-104.10600	10,668 m		
HGO	V108	38.81750	35,000 ft	22	HUGO
VOR	AWY-LO	-103.62100	10,668 m		
SELLS	J24	38.82810	35,000 ft	20	-
FIX	AWY-HI	-103.17400	10,668 m		
RYLIE	J154	38.33730	35,000 ft	69	-
FIX	AWY-HI	-101.82700	10,668 m		
GCK	J154	37.91900	35,000 ft	57	GARDEN CITY
VOR	AWY-HI	-100.72500	10,668 m		
ONIPÉ	V10	37.89760	35,000 ft	10	-
FIX	AWY-LO	-100.49500	10,668 m		
KUDIC	V10	37.88260	35,000 ft	7	-
FIX	AWY-LO	-100.34000	10,668 m		
POKPE	V10	37.87900	35,000 ft	2	-
FIX	AWY-LO	-100.29800	10,668 m		
HEPVA	V10	37.86490	35,000 ft	6	-
FIX	AWY-LO	-100.15200	10,668 m		
DDC	V10	37.85060	35,000 ft	6	DODGE CITY
VOR	AWY-LO	-100.00600	10,668 m		
SAFER	V74	37.36170	35,000 ft	68	-
FIX	AWY-LO	-98.69750	10,668 m		
ANY	V74	37.15900	35,000 ft	27	ANTHONY
VOR	AWY-LO	-98.17080	10,668 m		
DOREC	V516	36.86080	35,000 ft	39	-
FIX	AWY-LO	-97.43710	10,668 m		
PER	V516	36.74650	35,000 ft	14	PIONEER (PONCA CITY)
VOR	AWY-LO	-97.16020	10,668 m		
MANON	V74	36.49740	35,000 ft	33	-
FIX	AWY-LO	-96.53180	10,668 m		
HOMIN	V74	36.37800	35,000 ft	16	-
FIX	AWY-LO	-96.23480	10,668 m		
STEBB	V74	36.30870	35,000 ft	9	-
FIX	AWY-LO	-96.06370	10,668 m		
TUL	V74	36.19630	35,000 ft	14	TULSA
VOR	AWY-LO	-95.78810	10,668 m		
OWETA	V74	36.06780	35,000 ft	14	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	-95.54240	10,668 m		
MALTS	V74	36.02450	35,000 ft	4	-
FIX	AWY-LO	-95.46000	10,668 m		
BUTCH	V74	35.67800	35,000 ft	37	-
FIX	AWY-LO	-94.80750	10,668 m		
LAVER	V74	35.61430	35,000 ft	6	-
FIX	AWY-LO	-94.68900	10,668 m		
AWIJE	V74	35.54510	35,000 ft	7	-
FIX	AWY-LO	-94.56060	10,668 m		
FSM	V74	35.38840	35,000 ft	16	FORT SMITH
VOR	AWY-LO	-94.27150	10,668 m		
CHARR	V74	35.28700	35,000 ft	16	-
FIX	AWY-LO	-93.96420	10,668 m		
MAGGA	V74	35.21310	35,000 ft	11	-
FIX	AWY-LO	-93.74240	10,668 m		
DANIL	V74	35.11740	35,000 ft	15	-
FIX	AWY-LO	-93.45730	10,668 m		
OLLAS	V74	35.00050	35,000 ft	18	-
FIX	AWY-LO	-93.11280	10,668 m		
MAUME	V74	34.86650	35,000 ft	20	-
FIX	AWY-LO	-92.72240	10,668 m		
LIT	V74	34.67770	35,000 ft	29	LITTLE ROCK
VOR	AWY-LO	-92.18050	10,668 m		
ARIGY	J14	34.53550	35,000 ft	42	-
FIX	AWY-HI	-91.34720	10,668 m		
CARIN	J14	34.45420	35,000 ft	23	-
FIX	AWY-HI	-90.88700	10,668 m		
XESSS	J14	34.31410	35,000 ft	39	-
FIX	AWY-HI	-90.11740	10,668 m		
YAALL	J14	33.79340	35,000 ft	134	-
FIX	AWY-HI	-87.48090	10,668 m		
VUZ	J14	33.67010	35,000 ft	29	VULCAN (BIRMINGHAM)
VOR	AWY-HI	-86.89980	10,668 m		
LINTZ	V168	33.38980	35,000 ft	42	-
FIX	AWY-LO	-86.12450	10,668 m		
GOSSE	V168	33.35270	35,000 ft	5	-
FIX	AWY-LO	-86.02330	10,668 m		
GIFFY	V168	33.22200	35,000 ft	19	-
FIX	AWY-LO	-85.66910	10,668 m		
LGC	V168	33.04910	35,000 ft	25	LA GRANGE
VOR	AWY-LO	-85.20620	10,668 m		
LANGA	V243	32.92620	35,000 ft	14	-
FIX	AWY-LO	-84.94970	10,668 m		
CANER	V243	32.75600	35,000 ft	20	-
FIX	AWY-LO	-84.59760	10,668 m		
PRATZ	V243	32.64180	35,000 ft	13	-
FIX	AWY-LO	-84.36320	10,668 m		
POTAR	V243	32.49040	35,000 ft	18	-
FIX	AWY-LO	-84.05500	10,668 m		
TOYOT	V243	32.44870	35,000 ft	4	-
FIX	AWY-LO	-83.97040	10,668 m		
PHYLL	V243	32.38430	35,000 ft	7	-
FIX	AWY-LO	-83.84030	10,668 m		
SSONY	V243	32.34720	35,000 ft	4	-
FIX	AWY-LO	-83.76560	10,668 m		
VNA	V243	32.21340	35,000 ft	15	VIENNA

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-LO	-83.49730	10,668 m		
DUMMY	V243	31.94870	35,000 ft	20	-
FIX	AWY-LO	-83.23070	10,668 m		
LURGE	V243	31.80740	35,000 ft	11	-
FIX	AWY-LO	-83.08940	10,668 m		
UPTON	V243	31.50630	35,000 ft	23	-
FIX	AWY-LO	-82.79000	10,668 m		
AYS	V243	31.26940	35,000 ft	18	WAYCROSS
VOR	AWY-LO	-82.55640	10,668 m		
MONIA	T207	30.48030	35,000 ft	54	-
FIX	AWY-LO	-82.04820	10,668 m		
VQQ	T207	30.21300	35,000 ft	18	CECIL (JACKSONVILLE)
VOR	AWY-LO	-81.89090	10,668 m		
CARRA	T207	29.73080	35,000 ft	32	-
FIX	AWY-LO	-81.60810	10,668 m		
OMN	T207	29.30330	35,000 ft	36	ORMOND BEACH
VOR	AWY-LO	-81.11270	10,668 m		
ATTIK	Y585	28.83440	35,000 ft	38	-
FIX	AWY-HI	-80.60060	10,668 m		
BEERD	Y585	27.64280	35,000 ft	125	-
FIX	AWY-HI	-78.64470	10,668 m		
CVIKK	Y585	27.00920	35,000 ft	68	-
FIX	AWY-HI	-77.57000	10,668 m		
NATHY	Y585	26.58440	35,000 ft	47	-
FIX	AWY-HI	-76.81190	10,668 m		
DAAST	Y585	26.00870	35,000 ft	62	-
FIX	AWY-HI	-75.85160	10,668 m		
WITOB	Y585	25.29210	35,000 ft	75	-
FIX	AWY-HI	-74.70550	10,668 m		
RENAH	Y585	24.56660	35,000 ft	76	-
FIX	AWY-HI	-73.55220	10,668 m		
COUKY	Y585	23.36200	35,000 ft	121	-
FIX	AWY-HI	-71.77580	10,668 m		
NELSR	Y585	22.69010	35,000 ft	67	-
FIX	AWY-HI	-70.80640	10,668 m		
EYSEL	Y585	22.33930	35,000 ft	35	-
FIX	AWY-HI	-70.28930	10,668 m		
FARMN	Y585	22.02580	35,000 ft	30	-
FIX	AWY-HI	-69.84750	10,668 m		
FDLEE	Y585	21.21790	35,000 ft	80	-
FIX	AWY-HI	-68.69330	10,668 m		
ELMUC	Y585	20.78390	35,000 ft	43	-
FIX	AWY-HI	-68.08320	10,668 m		
UTAHS	G431	19.69050	22,400 ft	79	-
FIX	AWY-HI	-67.28680	6,828 m		
TJSJ	-	18.43870	0 ft	104	Luis Munoz Marin Intl
APT	-	-66.00220	0 m		

## TJSJ

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

Elevation: 8 ft / 2 m  
Location: 18.438700 -66.002200  
Magnetic Var: 13.515 W

## METAR

TJSJ 052056Z 07016KT 10SM SCT034 SCT090 29/26 A2992

## TAF

TAF AMD TJSJ 052102Z 0521/0618 07012KT P6SM VCTS SCT025CB BKN040 TEMPO 0521/0522 4SM -RA BKN020 BKN060 FM052200 VR

## 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	283.66		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	80.37		2 m
10	LOC-ILS	ICLA	109.70 MHz	18 nm	90.15	-	2 ft
				33 km	103.66		2 m
08	GS	ISJU	110.30 MHz	10 nm	66.86	3.00	2 ft
				19 km	80.37		2 m
10	GS	ICLA	109.70 MHz	10 nm	90.15	3.00	2 ft
				19 km	103.66		2 m