

Airport Information

Details for LUIS MUNOZ MARIN INTL	
City	SAN JUAN
State/Province	
Country	PRI
Latitude	N 18° 26' 21.84"
Longitude	W 66° 00' 07.69"
Elevation	9
Longest Runway	10400
Magnetic Variance	W 11.0°
Fuel Type	100-130 octane fuel is available 115-145 octane fuel is available JET fuel is available JET A-1 fuel is available Jet A+ fuel is available JET 4 fuel is available JET 5 fuel is available
Oxygen	Low pressure is available.
Repair Facility	Major airframe repairs are available. Major engine repairs are available.
Landing Fee	Unknown.
Jet Start Unit	A starting unit is not available at the airport.
Precision Approach	One or more charts for the airport support precision approaches.
Beacon Light	A beacon light is available.
Customs Facilities	Customs are available but require prior permission for use.
Usage Type	Airport/Heliport is open to the public.
Time Zone Conversion	+4:00=UTC
Daylight Savings	Airport does not observe daylight savings time
Change Notices Available	none

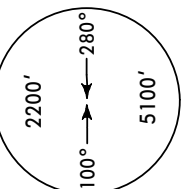
D-ATIS
125.8

Apt Elev
9'

Alt Set: INCHES

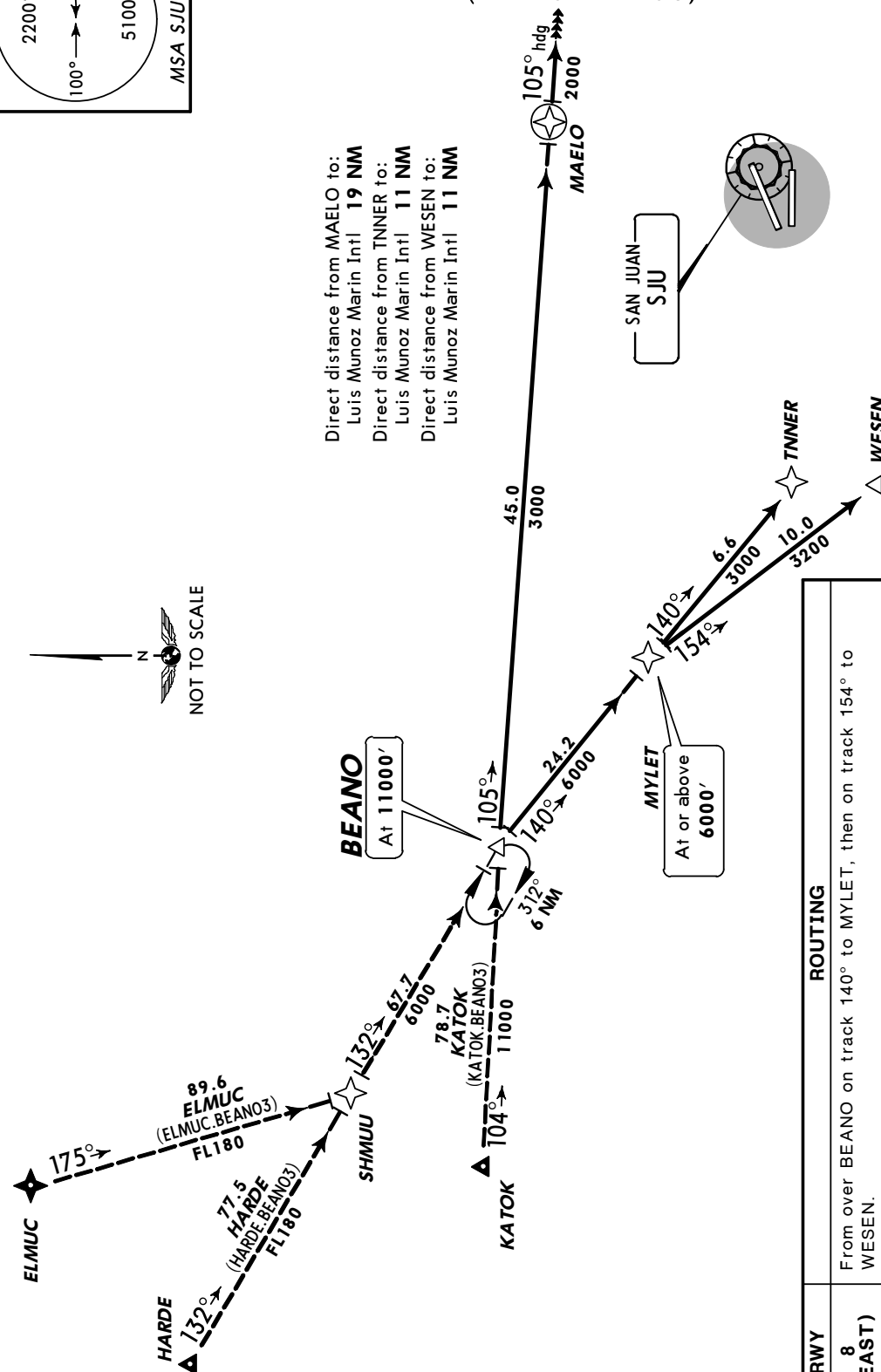
Trans level: FL 180 Trans alt: 18000'

1. **GPS required.**
2. **RADAR required.**
3. **RNAV 1.**
4. This STAR applicable to turbojet aircraft only.



MSA SJU VOR

BEANO THREE RNAV ARRIVAL (BEANO.BEAN03)



RWY	ROUTING
8 (EAST)	From over BEANO on track 140° to MYLET, then on track 154° to WESEN.
10 (EAST)	From over BEANO on track 140° to MYLET, then on track 140° to TNNER.
26, 28 (WEST)	From over BEANO on track 105° to MAELO, then on 105° heading. EXPECT RADAR vectors.

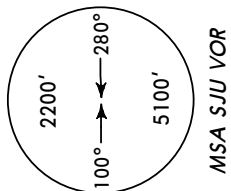
D-ATIS
125.8

Apt Elev
9'

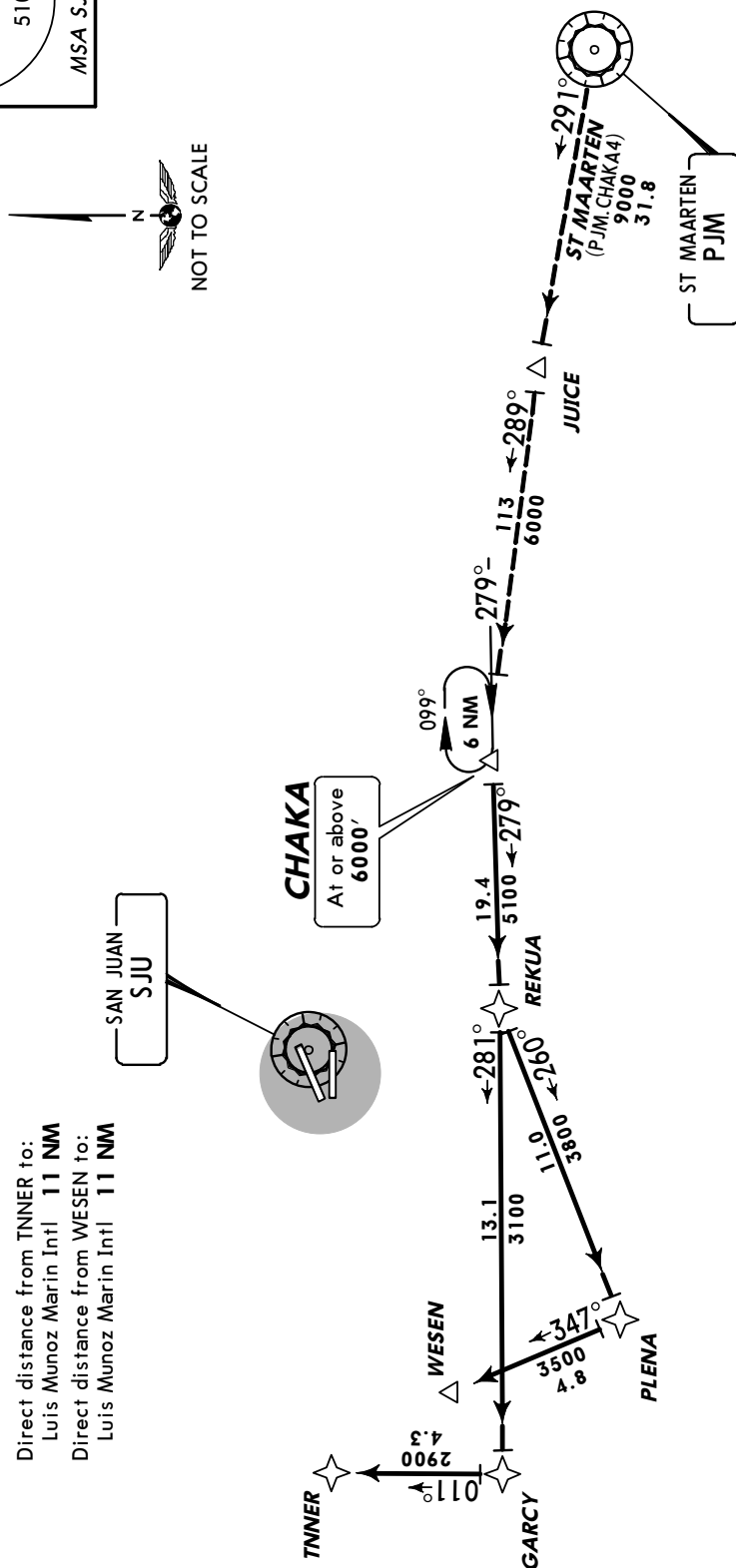
Alt Set: INCHES

Trans level: FL 180 Trans alt: 18000'

1. **GPS required.**
2. **RADAR required.**
3. **RNAV 1.**
4. **This STAR applicable to prop and turboprop aircraft only.**



CHAKA FOUR RNAV ARRIVAL (CHAKA.CHAKA4)

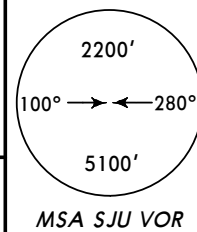


RWY	ROUTING
8 (EAST)	From CHAKA on track 279° to REKUA, then on track 260° to PLENA, then on track 347° to WESEN.
10 (EAST)	From CHAKA on track 279° to REKUA, then on track 281° to GARCY, then on track 011° to TNNR

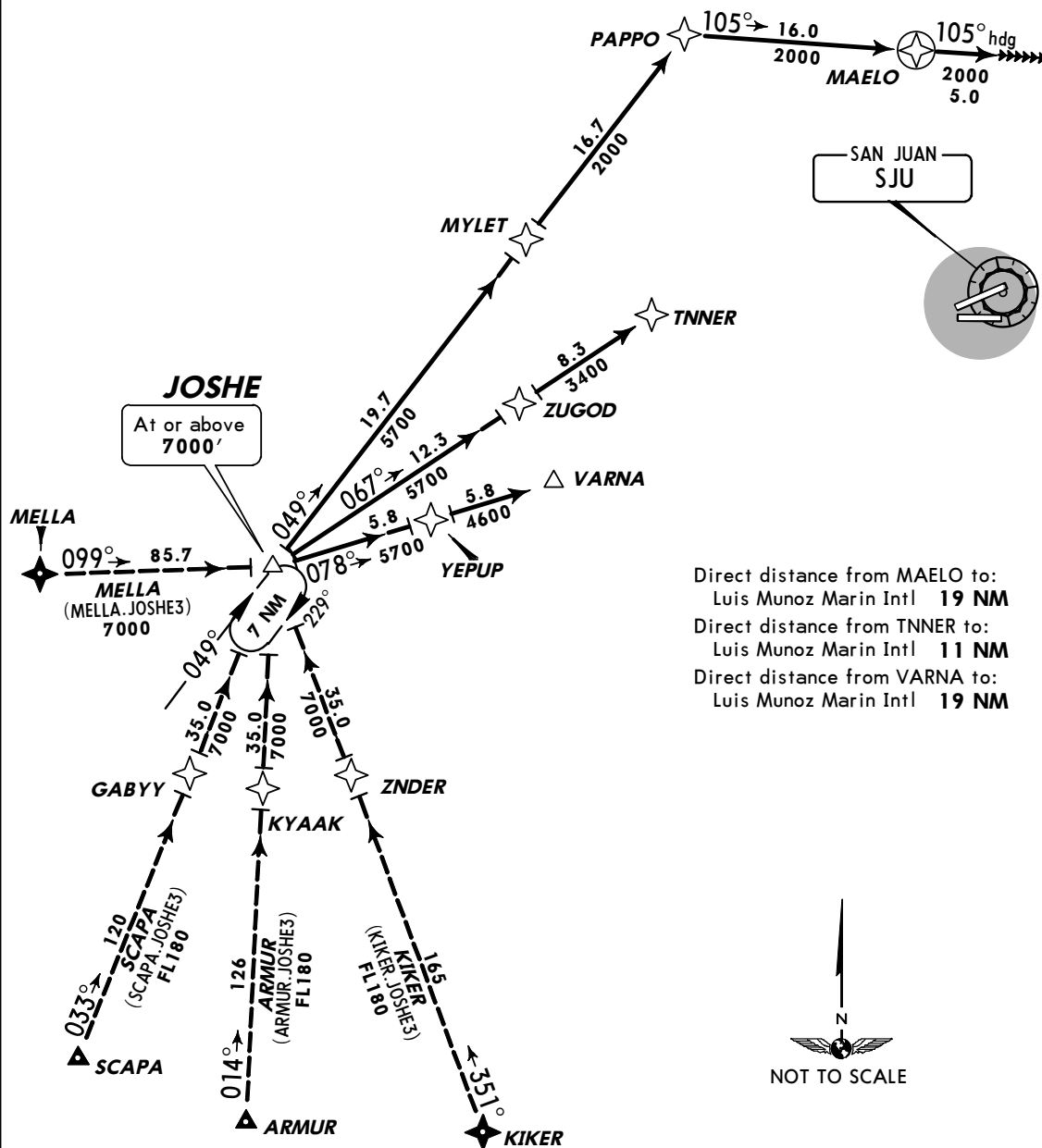
D-ATIS
125.8

Apt Elev
9'

Alt Set: INCHES
Trans level: FL 180 Trans alt: 18000'
1. GPS required.
2. RADAR required.
3. RNAV 1.
4. This STAR applicable to turbojet aircraft only.



JOSHE THREE RNAV ARRIVAL (JOSHE.JOSHE3)



RWY

ROUTING

8
(EAST)

From over JOSHE on track 078° to YEPUP, then on track 078° to VARN.

10
(EAST)

From over JOSHE on track 067° to ZUGOD, then on track 067° to TNNR.

26, 28
(WEST)

From over JOSHE on track 049° to MYLET, then on track 049° to PAPPO, then on track 105° to MAELO, then on heading 105°. EXPECT RADAR vectors to final approach course.

TJSJ/SJU

LUIS MUNOZ MARIN INTL

JEPPESSEN

12 NOV 10

(10-2C)

Eff 18 Nov

SAN JUAN, PUERTO RICO

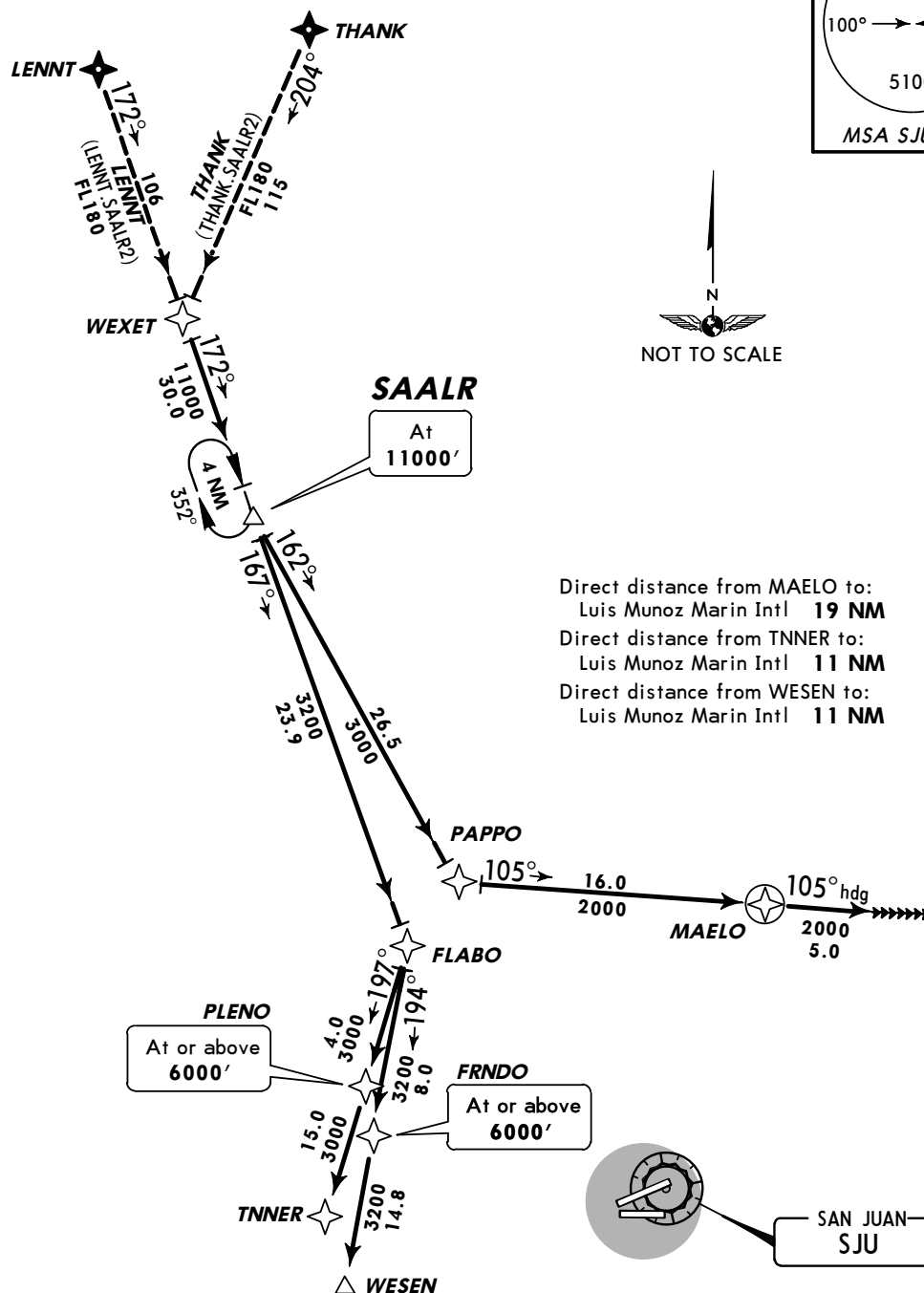
RNAV STAR

D-ATIS
125.8Apt Elev
9'

Alt Set: INCHES

Trans level: FL 180 Trans alt: 18000'

1. GPS required. 2. RADAR required. 3. This STAR applicable to turbojet aircraft only. 4. RNAV 1.

SAALR TWO RNAV ARRIVAL
(SAALR.SAALR2)

Direct distance from MAELO to:
Luis Munoz Marin Intl 19 NM

Direct distance from TNNR to:
Luis Munoz Marin Intl 11 NM

Direct distance from WESEN to:
Luis Munoz Marin Intl 11 NM

ROUTING

From WEXET on track 172° to SAALR, then via assigned runway transition.

RWY
8
(EAST)

LANDING

From over SAALR on track 167° to FLABO, then on track 194° to FRNDO, then on track 194° to WESEN.

10
(EAST)

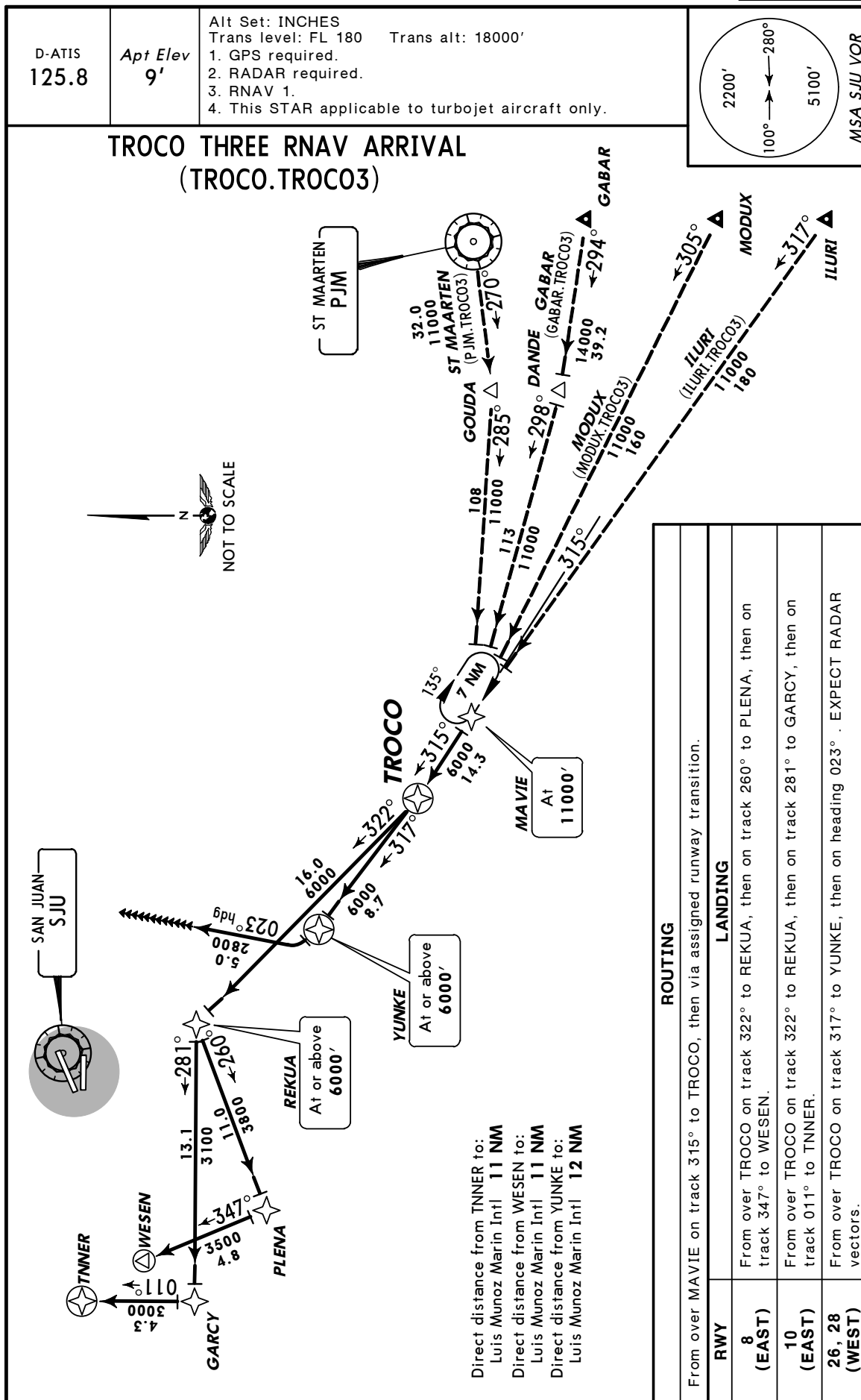
From over SAALR on track 167° to FLABO, then on track 197° to PLENO, then on track 197° to TNNR.

26, 28
(WEST)

From over SAALR on track 162° to PAPP, then on track 105° to MAELO, then on heading 105°. EXPECT RADAR vectors to final approach course.

CHANGES: MSA.

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SAN JUAN Departure (R)

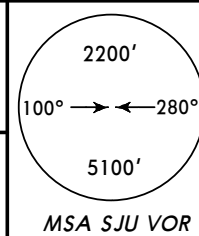
North and
East
120.9

Southwest
and West
119.4

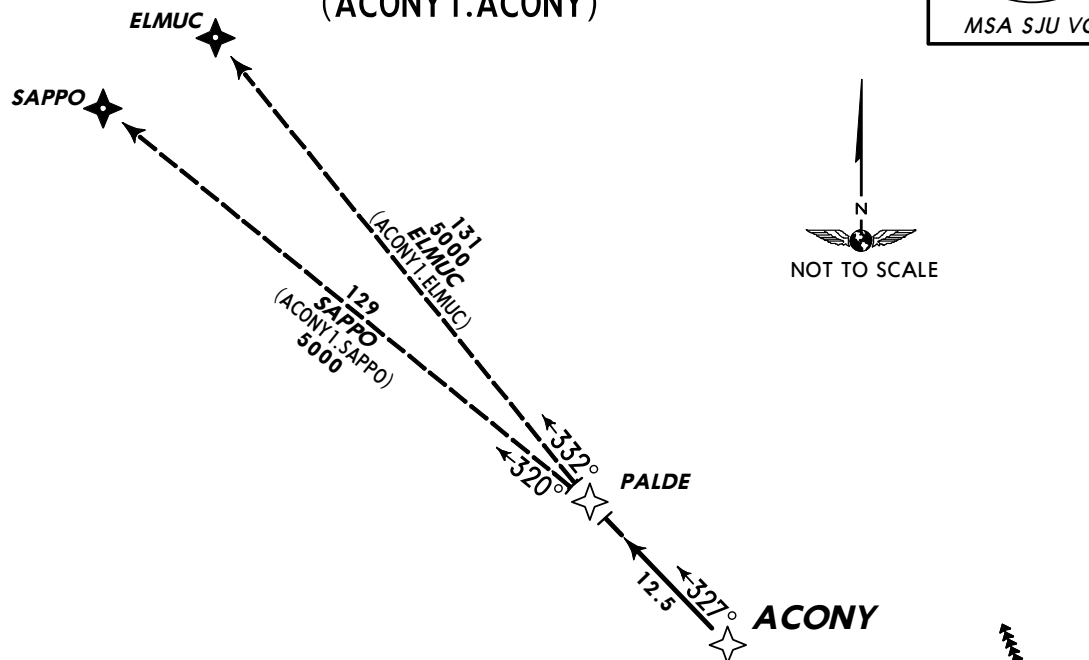
Apt Elev
9'

Trans level: FL180 Trans alt: 18000'

1. GPS required.
2. RADAR required.
3. RNAV 1.
4. Turbojet aircraft only.



ACONY ONE RNAV DEPARTURE (ACONY1.ACONY)

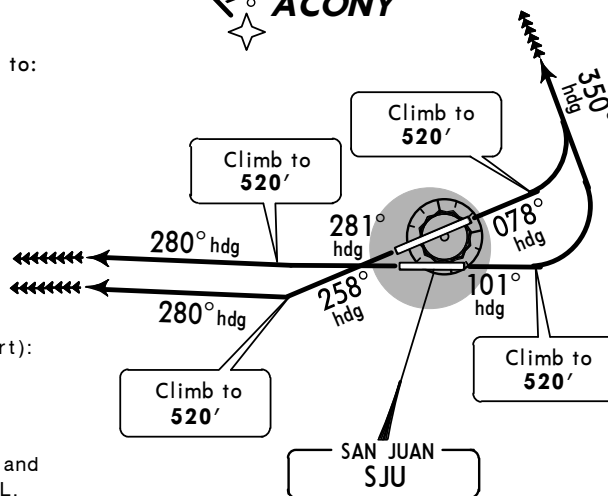


Direct distance from Luis Munoz Marin Intl to:
ACONY 40 NM

This SID requires take-off minimums
(for standard minimums, refer to airport chart):
Rwys 8, 10, 26, 28: Standard (or lower than
standard, if authorized).

OBSTACLES

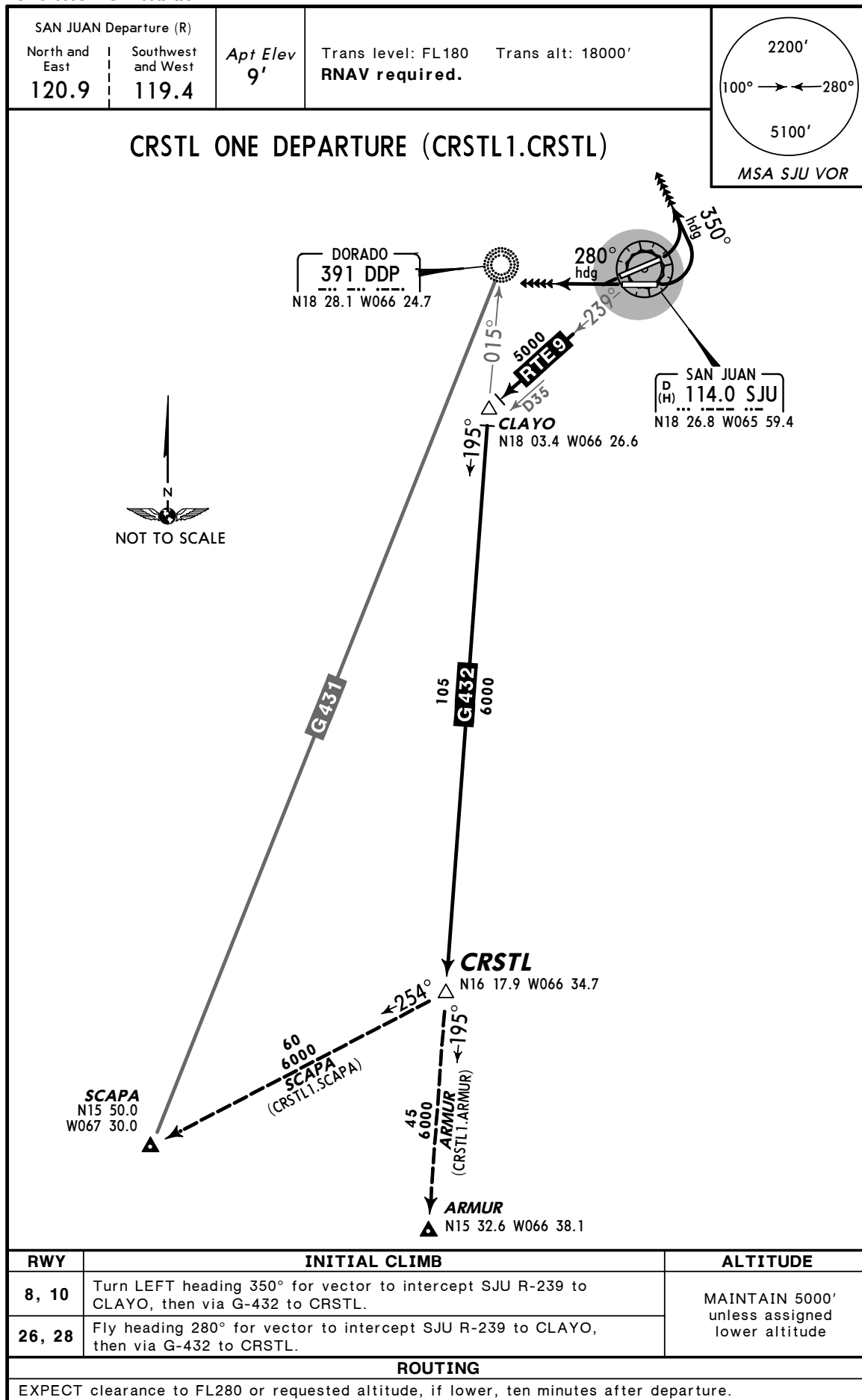
Rwy 8: Trees beginning 21' from DER, LEFT and
RIGHT of centerline, up to 84' AGL/107' MSL.
Rwy 10: Trees beginning 157' from DER, LEFT
and RIGHT of centerline, up to 54' AGL/61' MSL.
Rwy 26: Building and trees beginning 8' from
DER, 339' RIGHT of centerline, up to 138' AGL/
154' MSL. Sign and bushes beginning 381' from
DER, 374' LEFT of centerline, up to 28' AGL/35' MSL.
Rwy 28: Bush and trees beginning 159' from DER,
476' LEFT of centerline, up to 61' AGL/71' MSL.
Pole 438' from DER, 587' LEFT of centerline,
31' AGL/38' MSL.



RWY	INITIAL CLIMB	ALTITUDE
8	Climb heading 078° to 520', then climbing LEFT turn heading 350° or as assigned by ATC.	MAINTAIN 5000' unless assigned lower altitude
10	Climb heading 101° to 520', then climbing LEFT turn heading 350° or as assigned by ATC.	
26	Climb heading 258° to 520', continue climb heading 280° or as assigned by ATC.	
28	Climb heading 281° to 520', continue climb heading 280° or as assigned by ATC.	

ROUTING

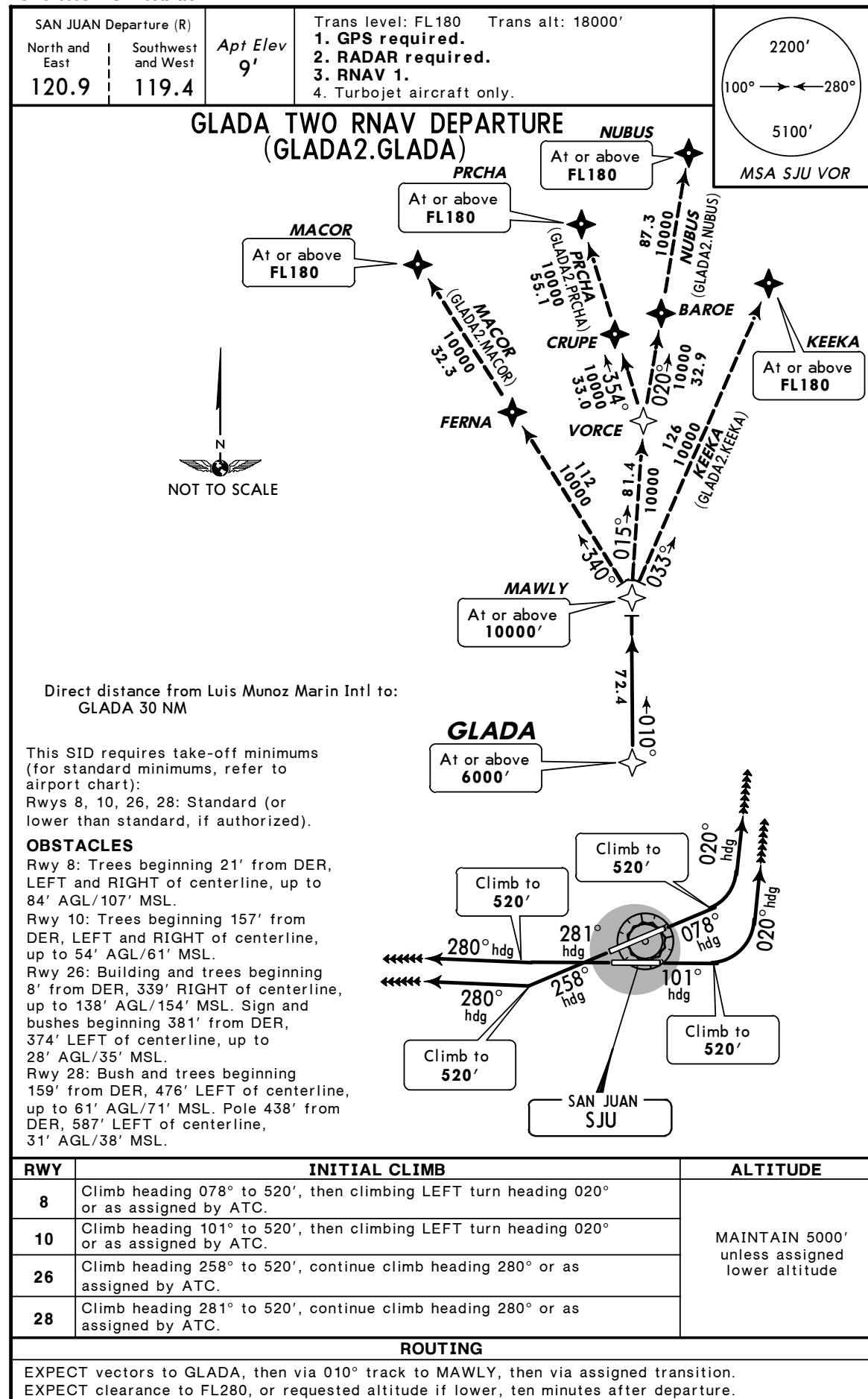
EXPECT vectors to ACONY, then via 327° track to PALDE, then via assigned transition. EXPECT clearance to FL280, or requested altitude if lower, ten minutes after departure.

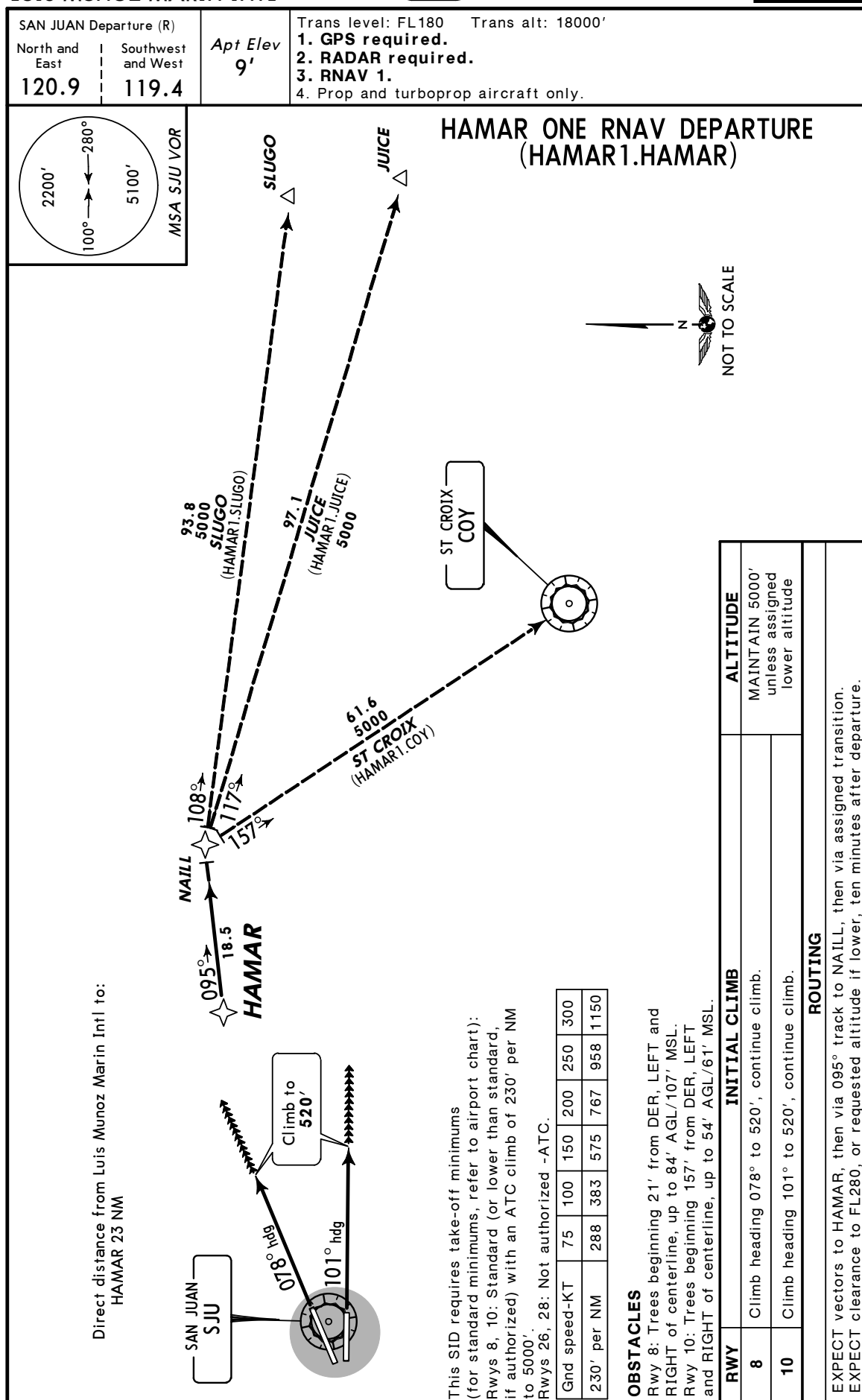


MSA SJU VOR

Rwy 8: Trees beginning 21' from DER, LEFT and RIGHT of centerline, up to 84' AGL/107' MSL.
Rwy 10: Trees beginning 157' from DER, LEFT and RIGHT of centerline, up to 54' AGL/61' MSL.
Rwy 26: Building and trees beginning 8' from DER, 339' RIGHT of centerline, up to 138' AGL/154' MSL. Sign and bushes beginning 381' from DER, 374' LEFT of centerline, up to 28' AGL/35' MSL.
Rwy 28: Bush and trees beginning 159' from DER, 476' LEFT of centerline, up to 61' AGL/71' MSL.
Pole 438' from DER, 587' LEFT of centerline, 31' AGL/38' MSL.

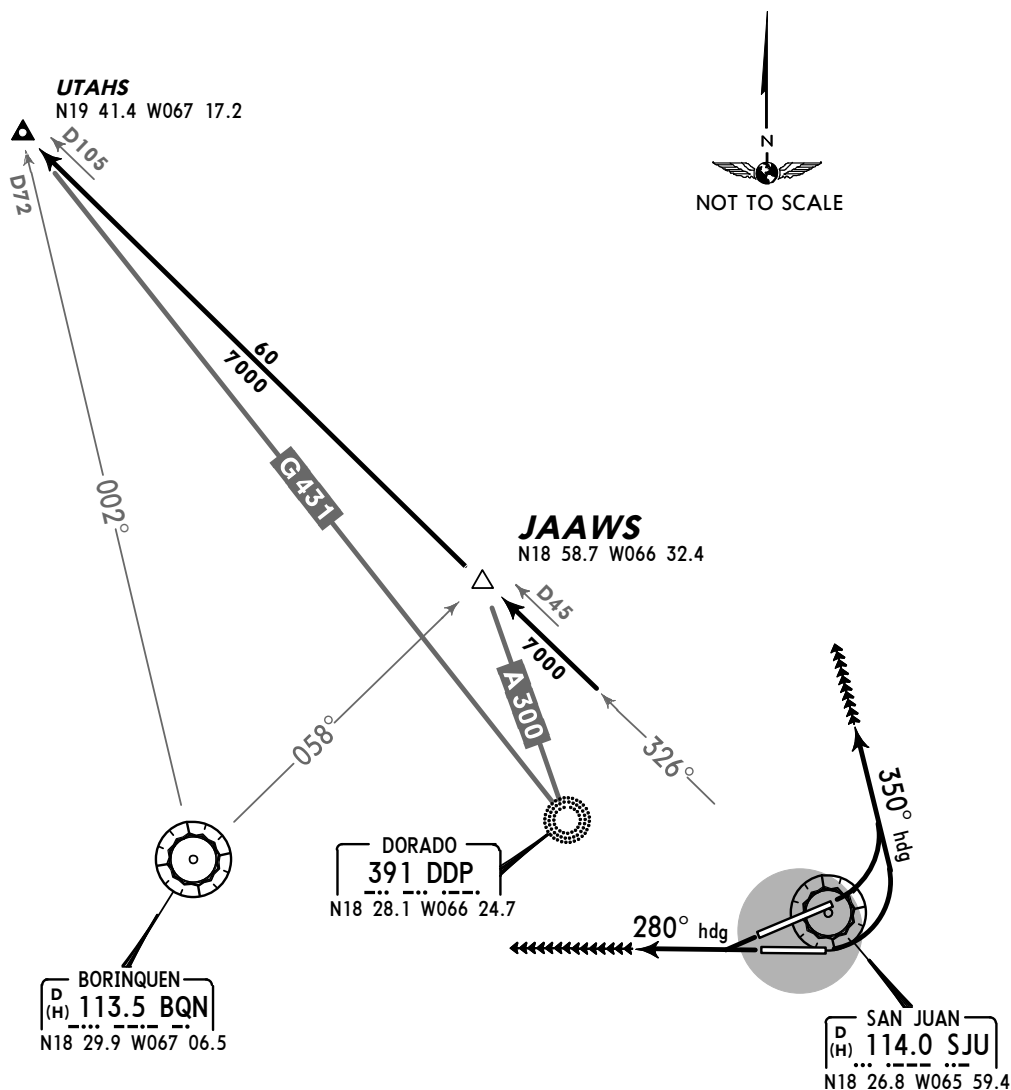
EXPECT vectors to GANBO, then via depicted route to TOREY, then via assigned transition.
EXPECT clearance to FL280, or requested altitude if lower, ten minutes after departure.



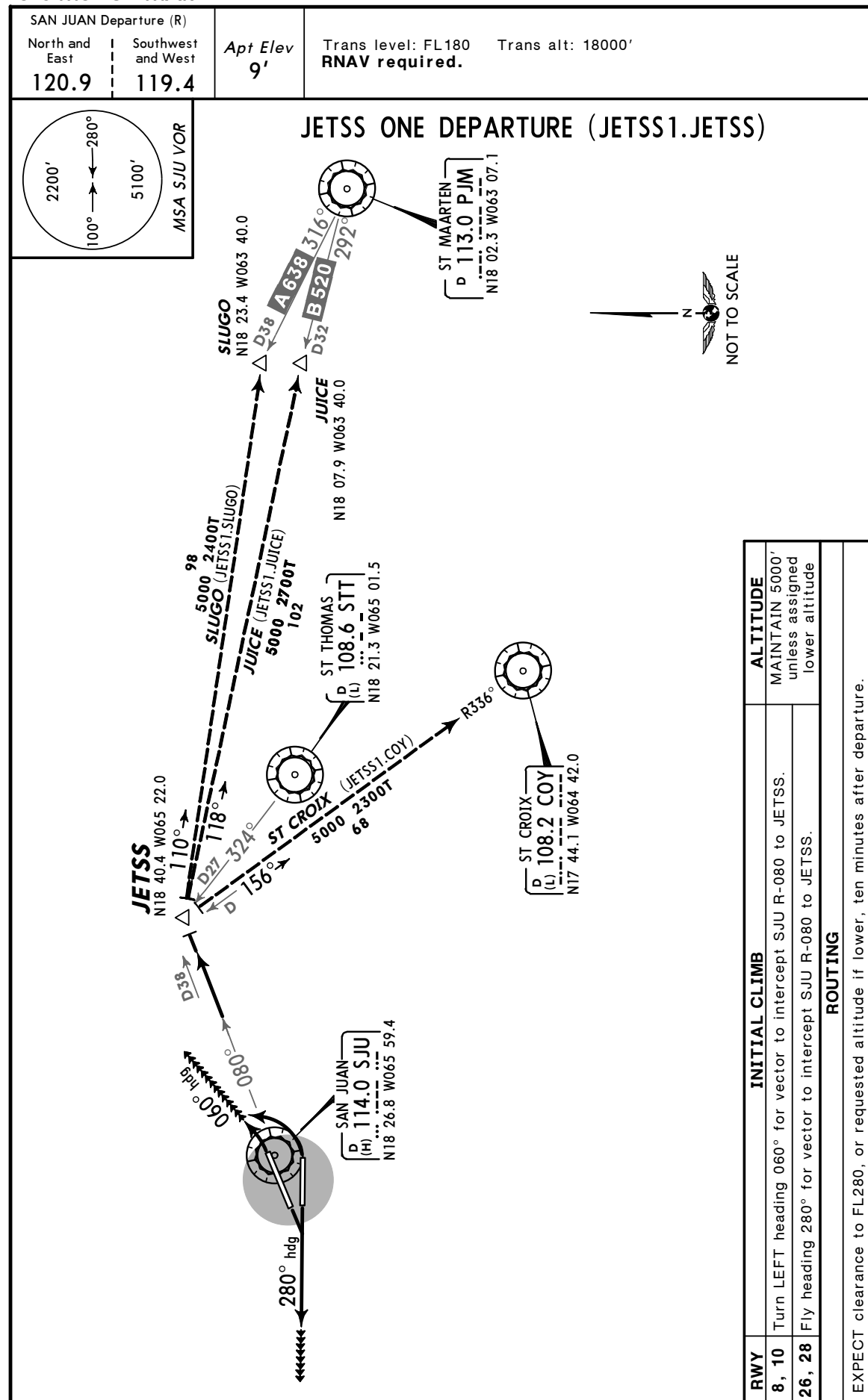


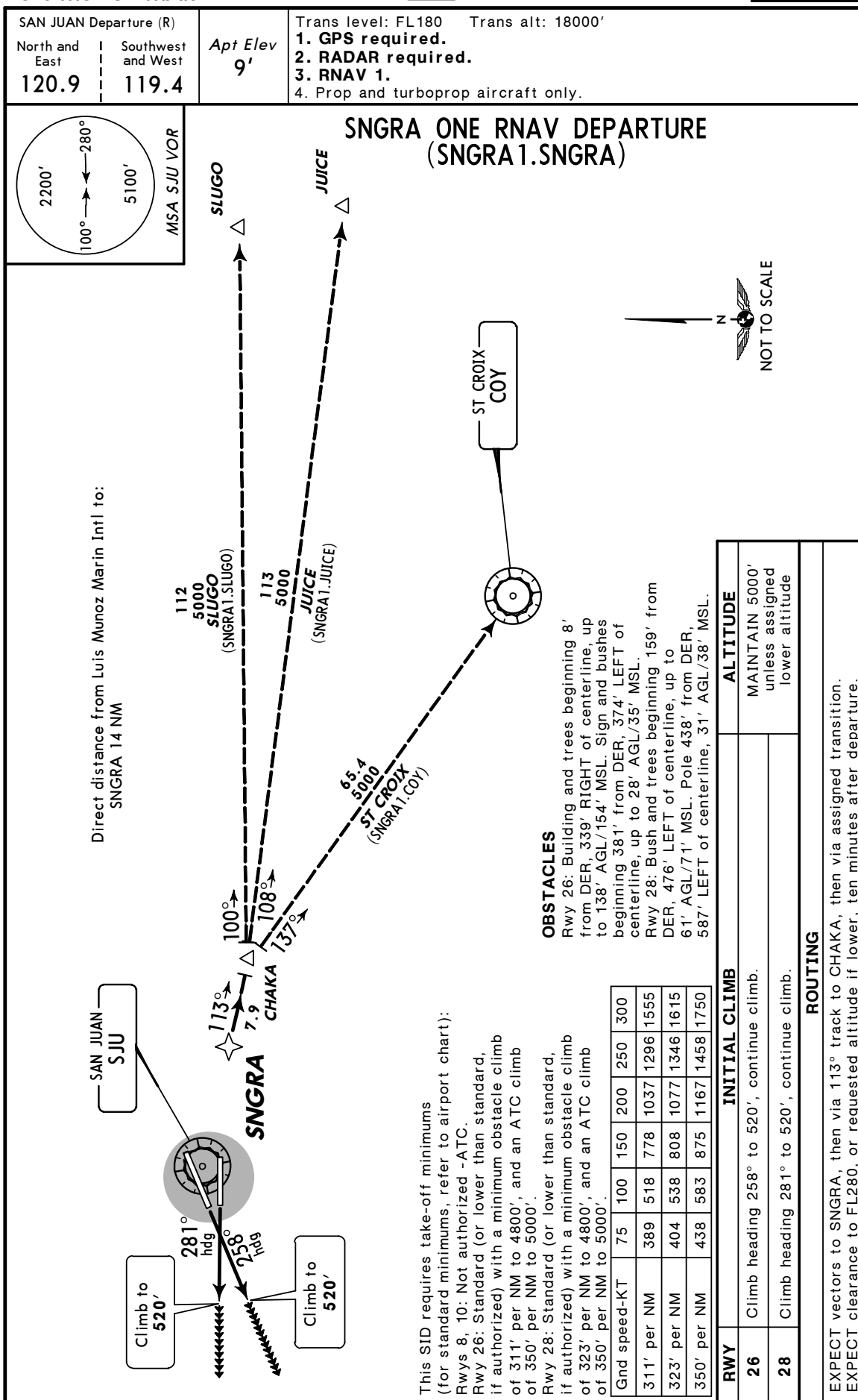
SAN JUAN Departure (R)		Apt Elev 9'	Trans level: FL180 Trans alt: 18000' DME or RNAV required.	<div> <div>2200'</div> <div>100° → ← 280°</div> <div>5100'</div> <div>MSA SJU VOR</div> </div>
North and East 120.9	Southwest and West 119.4			

JAAWS NINE DEPARTURE (JAAWS9.JAAWS)



RWY	INITIAL CLIMB	ALTITUDE
8, 10	Turn LEFT heading 350° for RADAR vector to intercept SJU R-326 to UTAHS.	MAINTAIN 5000' unless assigned lower altitude
26, 28	Fly heading 280° for RADAR vector to intercept SJU R-326 to UTAHS.	
ROUTING		
EXPECT clearance to FL280 or requested altitude, if lower, ten minutes after departure.		



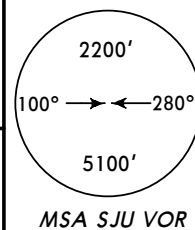


SAN JUAN Departure (R)
North and East
120.9

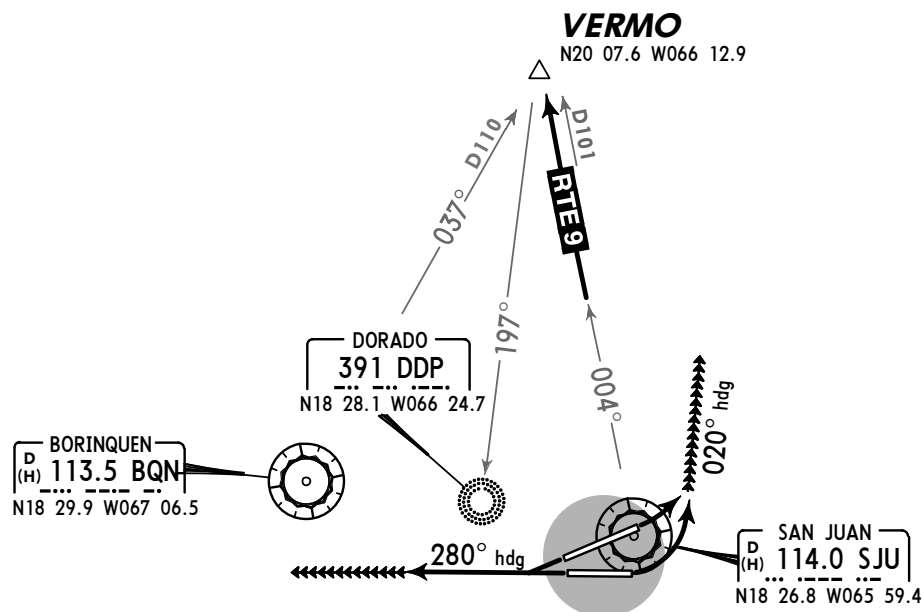
Southwest and West
119.4

Apt Elev
9'

Trans level: FL180 Trans alt: 18000'
RADAR required.



VERMO FIVE DEPARTURE (VERMO5.VERMO)



OBSTACLES

Rwy 8: Trees beginning 21' from DER, LEFT and RIGHT of centerline, up to 84' AGL/107' MSL.
Rwy 10: Trees beginning 157' from DER, LEFT and RIGHT of centerline, up to 54' AGL/61' MSL.
Rwy 26: Building and trees beginning 8' from DER, 339' RIGHT of centerline, up to 138' AGL/154' MSL.
Sign and bushes beginning 381' from DER, 374' LEFT of centerline, up to 28' AGL/35' MSL.
Rwy 28: Bush and trees beginning 159' from DER, 476' LEFT of centerline, up to 61' AGL/71' MSL. Pole 438' from DER, 587' LEFT of centerline, 31' AGL/38' MSL.



RWY	INITIAL CLIMB	ALTITUDE
8, 10	Climbing LEFT turn heading 020° or as assigned by ATC.	MAINTAIN 5000' unless assigned lower altitude
26, 28	Climb heading 280° or as assigned by ATC.	
ROUTING		
EXPECT vectors to intercept SJU R-004 to VERMO. EXPECT clearance to FL280, or requested altitude if lower, ten minutes after departure.		

CHANGES: Notes.

GENERAL

Engine run-ups prohibited on Gates area.

Aircraft 180° turns on Twys requires Operations coordinations.

FBO/ground handler must submit 72 hours prior permission required for all military aircraft.

Low level wind shear alert system.

Terminal Doppler Weather Radar.

Right traffic Runways 8 and 10.

ADDITIONAL RUNWAY INFORMATION

				USABLE LENGTHS			
RWY				LANDING BEYOND		TAKE-OFF	WIDTH
				Threshold	Glide Slope		
8	HIRL	MALSR PAPI-L (angle 3.00°)	grooved	①9384'2860m	8386' 2556m	9784' 2982m	200'
26	HIRL	REIL PAPI-L (angle 3.00°)	grooved	②9600'2926m		8128' 2477m	61m
① Last 616' (188m) not available for landing distance computations.							
② Last 400' (122m) not available for landing distance computations.							
10	HIRL	MALSR PAPI-L (angle 3.00°)	grooved		7012' 2137m		150'
28	HIRL	PAPI-L (angle 3.00°)	grooved				46m

RUNWAY INCURSION HOT SPOTS

(For information only, not to be construed as ATC instructions.)

HS1 The intersection of Twy S & N**HS2** The intersection of Twy H & M**HS3** The Twys on the north and south sides of the approach end of Rwy 28**TAKE-OFF & OBSTACLE DEPARTURE PROCEDURE**

	All Rwys	
	Adequate Vis Ref	STD
1 & 2 Eng	1/4	1
3 & 4 Eng		1/2

OBSTACLE DP

Rwy 8, climb on a heading between 109° counter-clockwise to 258° from departure end of runway, or minimum climb of 381'/NM to 5000' for all other courses.

Rwy 10, climb on a heading between 091° counter-clockwise to 281° from departure end of runway, or minimum climb of 390'/NM to 4900' for all other courses.

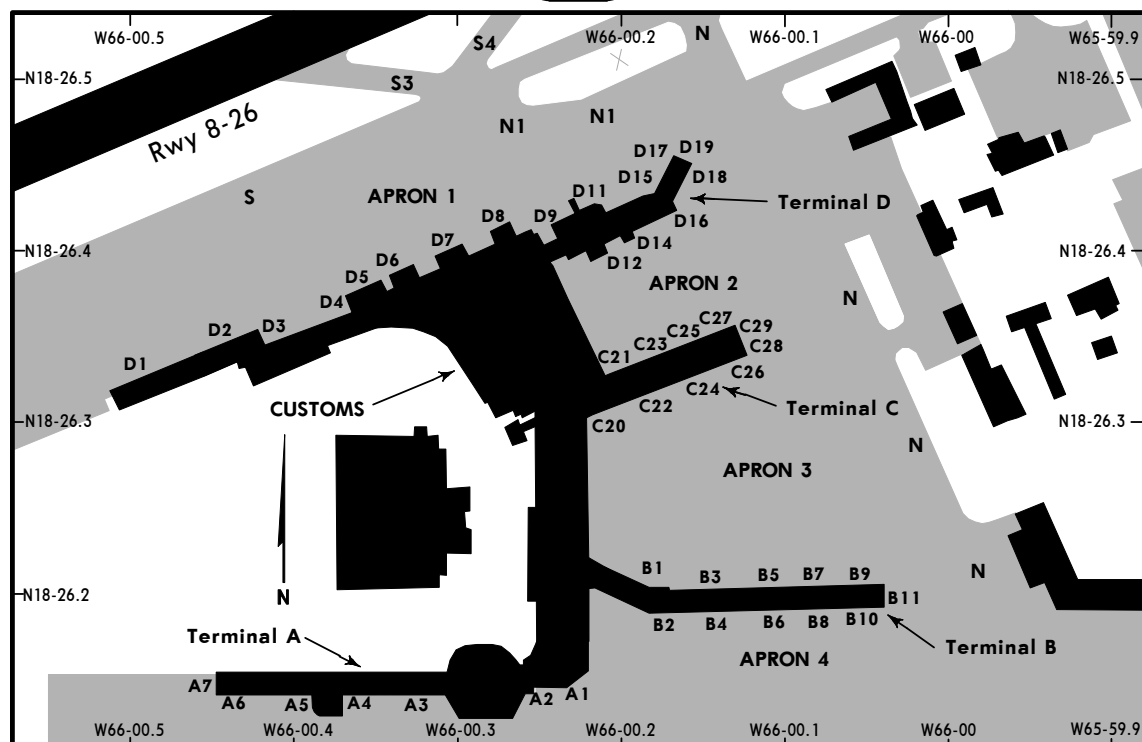
Rwy 28, climb on a heading between 260° clockwise to 101° from departure end of runway, or minimum climb of 323'/NM to 4800' for all other courses.

Rwy 26, climb on a heading between 255° clockwise to 078° from departure end of runway, or minimum climb of 311'/NM to 4800' for all other courses.

FOR FILING AS ALTERNATE

	Precision	Non-Precision
A	600-2	800-2
B		
C		
D		

A
M
E
N
D
7



PARKING GATE COORDINATES

GATE No.	COORDINATES	GATE No.	COORDINATES
A1, A2	N18 26.2 W066 00.2	C28	N18 26.3 W066 00.1
A3	N18 26.2 W066 00.3	C29	N18 26.4 W066 00.1
A4 thru A7	N18 26.2 W066 00.4	D2 thru D5	N18 26.4 W066 00.4
B1, B2	N18 26.2 W066 00.2	D6 thru D8	N18 26.4 W066 00.3
B3 thru B10	N18 26.2 W066 00.1	D9, D11, D12	N18 26.4 W066 00.2
B11	N18 26.2 W066 00.0	D1	N18 26.3 W066 00.5
C20 thru C23	N18 26.3 W066 00.2	D14 thru D19	N18 26.4 W066 00.2
C24	N18 26.3 W066 00.1		
C25	N18 26.4 W066 00.2		
C26	N18 26.3 W066 00.1		
C27	N18 26.4 W066 00.1		

TJSJ/SJU

LUIS MUNOZ MARIN INTL



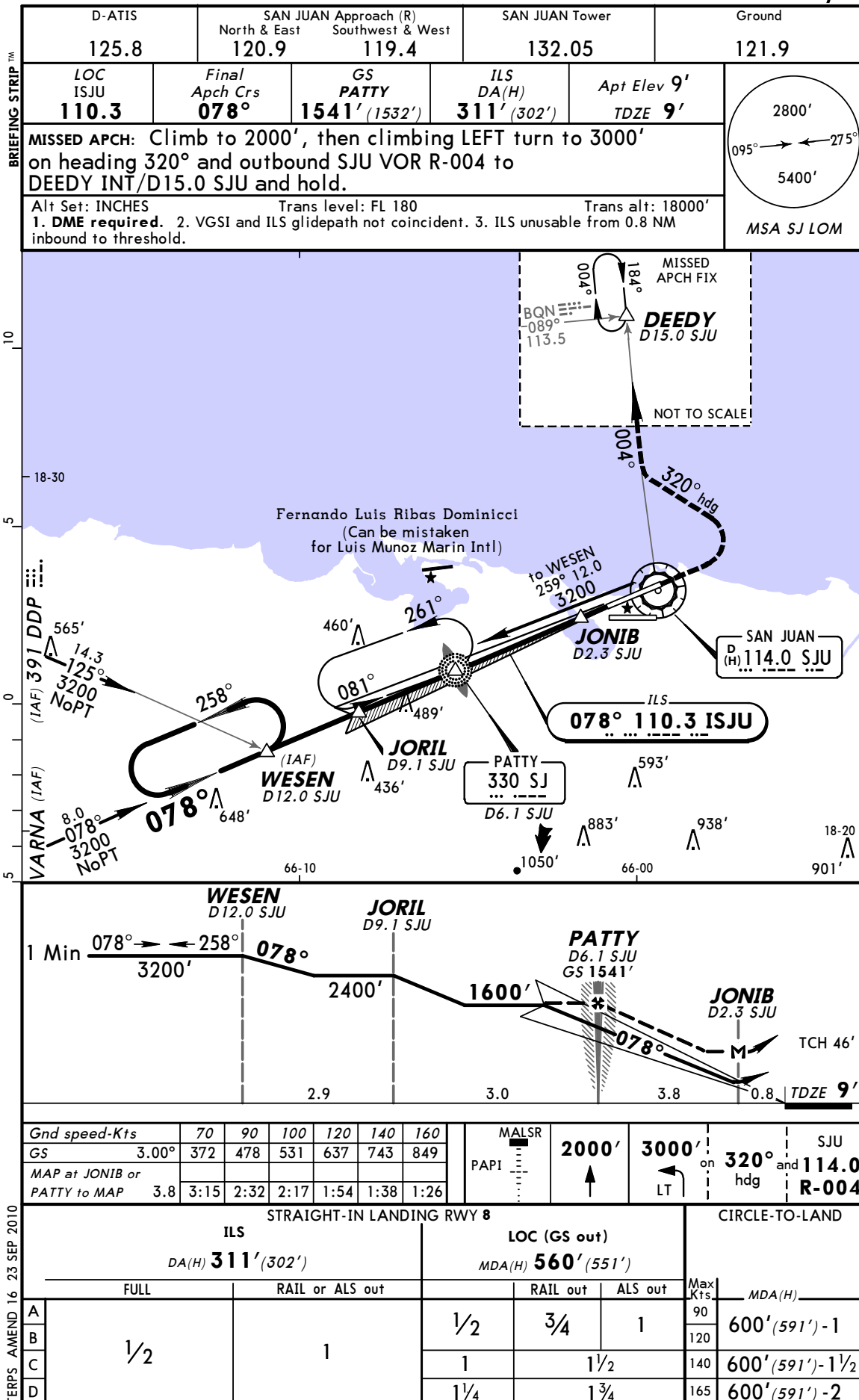
JEPPESAN SAN JUAN, PUERTO RICO

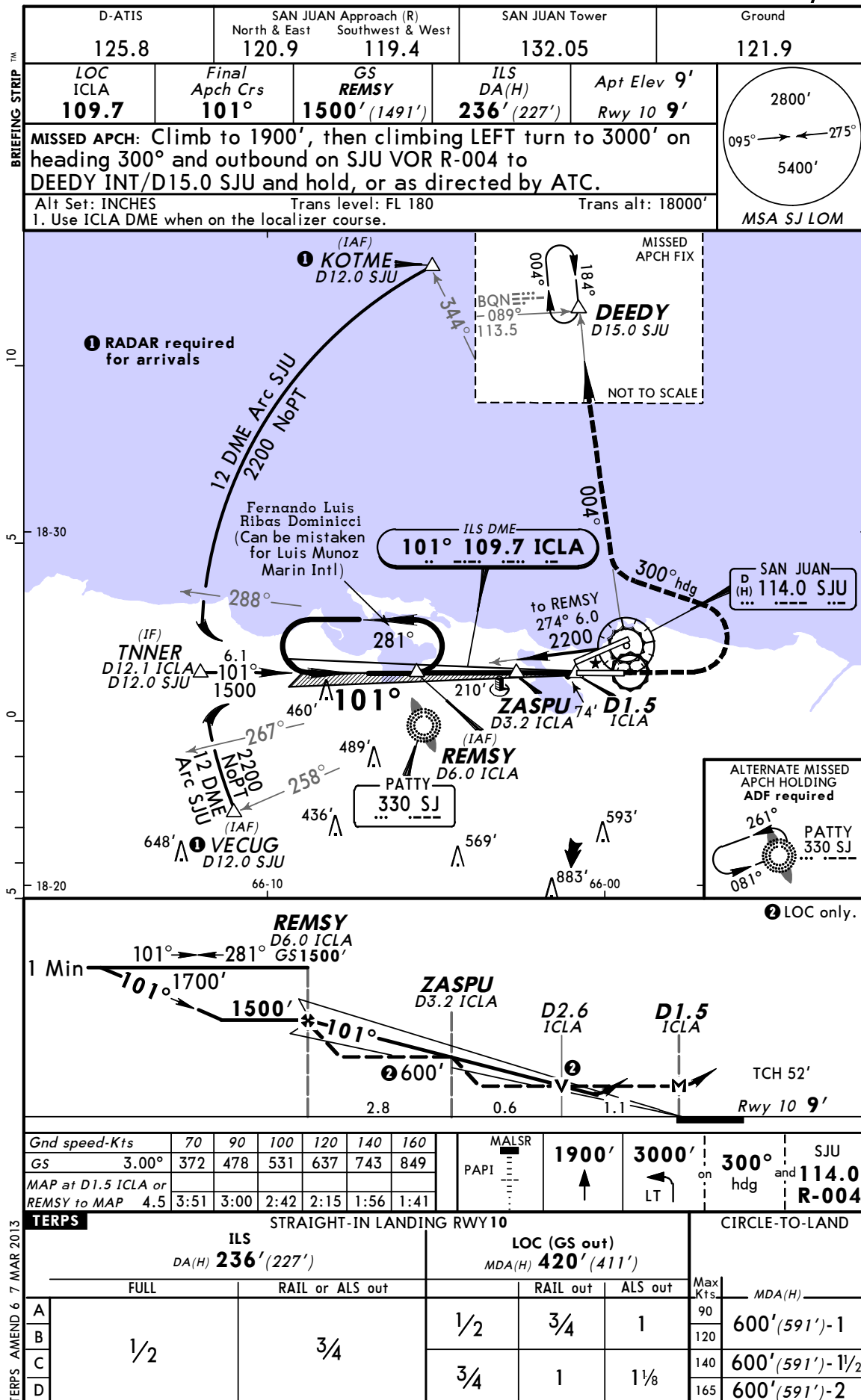
1 MAR 13

(11-1)

Eff 7 Mar

ILS or LOC Rwy 8





TJSJ/SJU

LUIS MUNOZ MARIN INTL

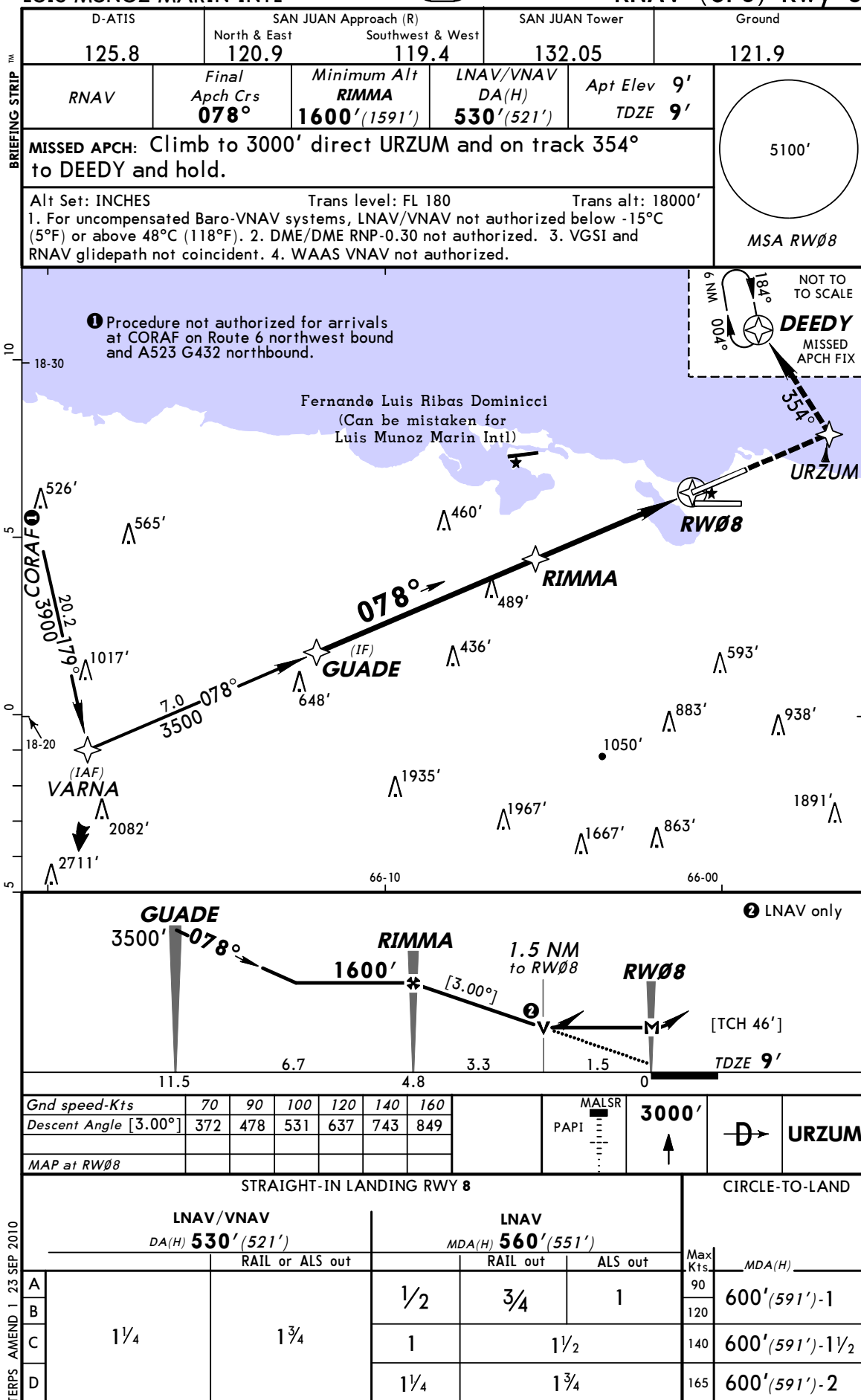


JEPPESEN SAN JUAN, PUERTO RICO

1 MAR 13 (12-1)

Eff 7 Mar

RNAV (GPS) Rwy 8

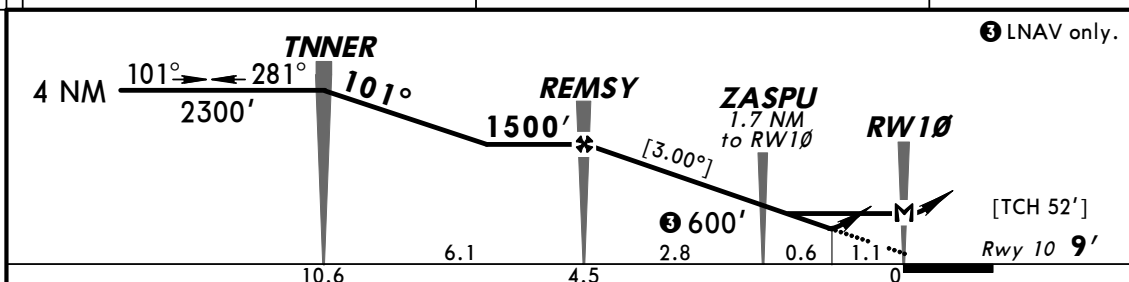
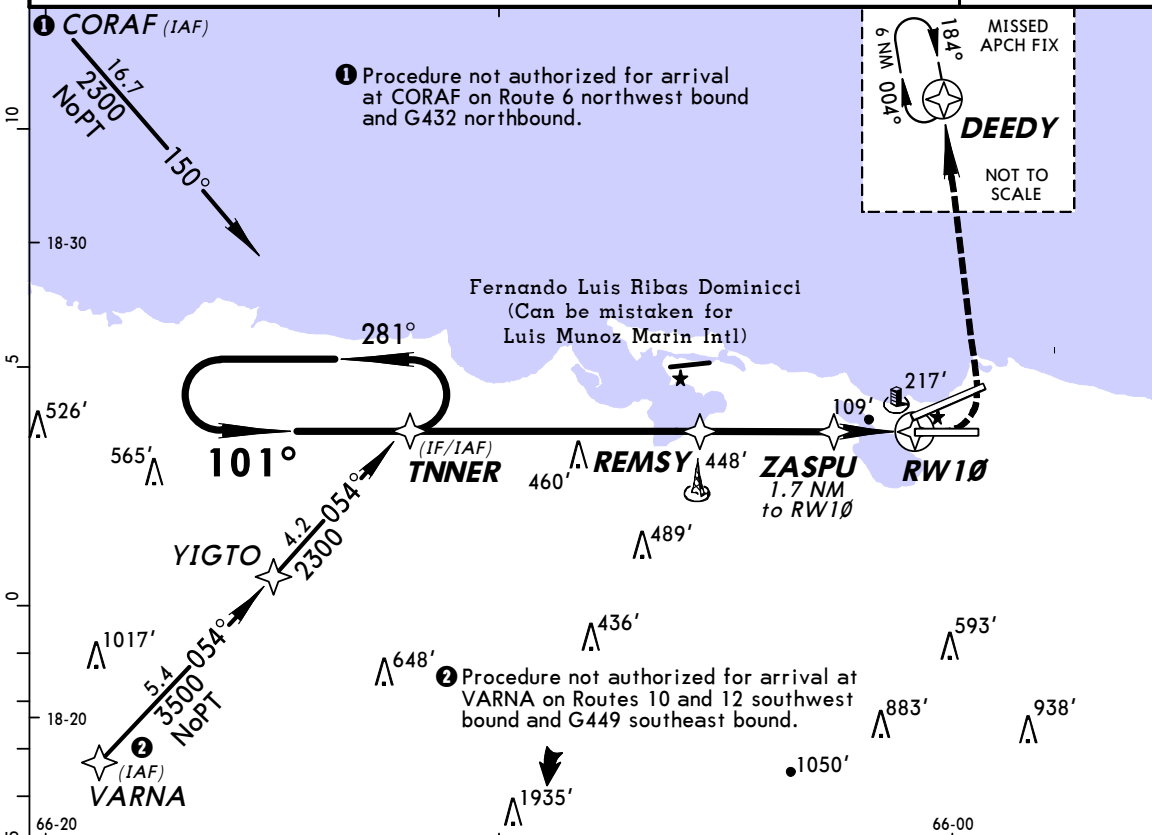


TJSJ/SJU

LUIS MUNOZ MARIN INTL

JEPPESEN SAN JUAN, PUERTO RICO
 1 MAR 13 (12-2) Eff 7 Mar RNAV (GPS) Rwy 10

D-ATIS 125.8	SAN JUAN Approach (R) North & East 120.9 Southwest & West 119.4		SAN JUAN Tower 132.05	Ground 121.9
RNAV	Final Apch Crs 101°	Minimum Alt REMSY 1500' (1491')	LNAV/VNAV DA(H) 407' (398')	Apt Elev 9' Rwy 10 9'
MISSED APCH: Climb to 500' then climbing LEFT turn to 3000' direct DEEDY and hold.				
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000' 1. WAAS VNAV not authorized. 2. For uncompensated Baro-VNAV systems, LNAV/VNAV not authorized below -15°C (5°F) or above 54°C (130°F). 3. DME/DME RNP-0.30 not authorized.				
				5100' MSA RW10



Gnd speed-Kts	70	90	100	120	140	160	MALSR		500'	3000'	D	DEEDY
Descent Angle [3.00°]	372	478	531	637	743	849	PAPI		↑	LT		
MAP at RW10												

TERPS STRAIGHT-IN LANDING RWY 10						CIRCLE-TO-LAND	
LNAV/VNAV			LNAV			Max Kts	MDA(H)
DA(H) 407' (398')	RAIL out	ALS out	MDA(H) 480' (471')	RAIL out	ALS out		
A	7/8	1 1/4	1/2	3/4	1	90	600'(591')-1
			1	1 1/8	1 3/8	120	600'(591')-1 1/2
						140	
						165	

CHANGES: Procedure.

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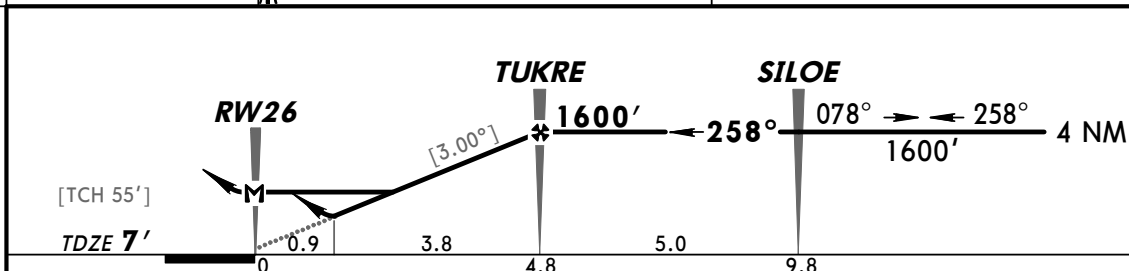
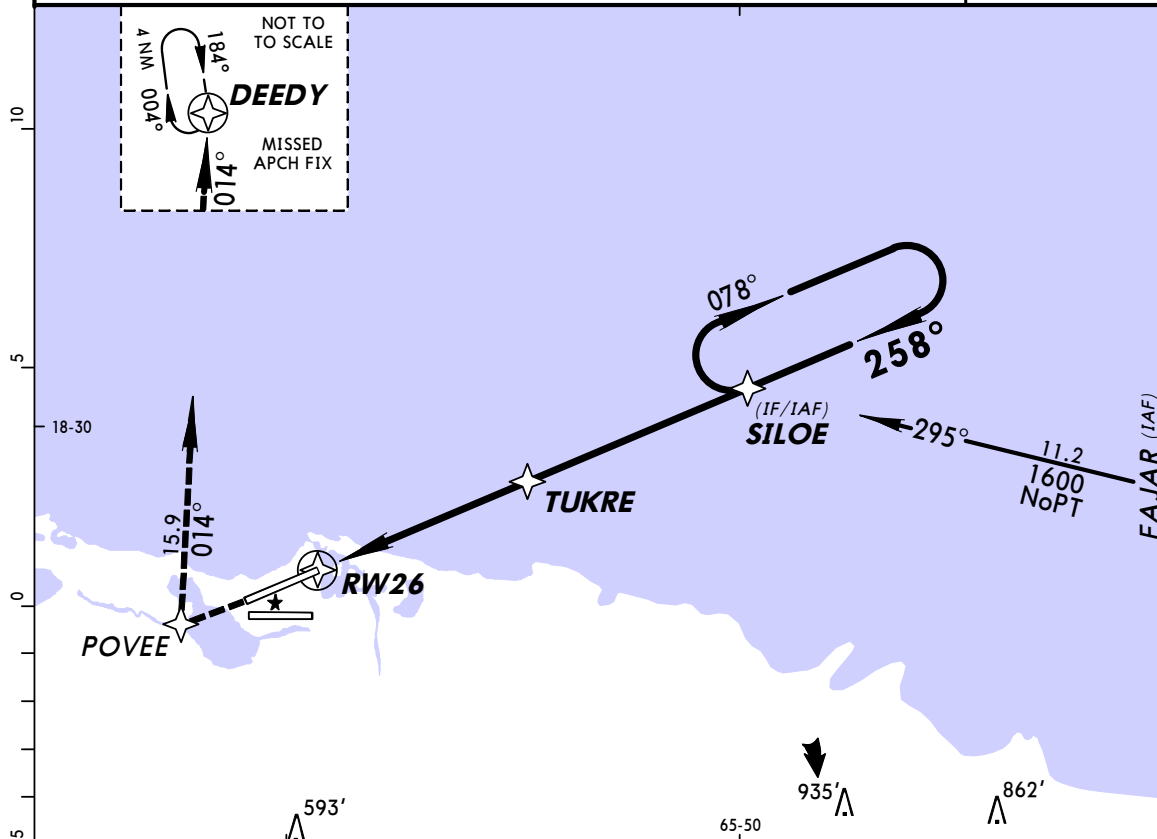
TERPS AMEND 2 7 MAR 2013

TJSJ/SJU

LUIS MUNOZ MARIN INTL

JEPPESEN SAN JUAN, PUERTO RICO
15 AUG 03 (12-3) RNAV (GPS) Rwy 26

D-ATIS 125.8	SAN JUAN Approach (R) North & East 120.9 Southwest & West 119.4		SAN JUAN Tower 132.05	Ground 121.9
RNAV	Final Apch Crs 258°	Minimum Alt TUKRE 1600' (1593')	LNAV/VNAV DA(H) 360' (353')	Apt Elev 9' TDZE 7'
MISSED APCH: Climb to 3000' direct POVEE and then RIGHT turn via 014° track to DEEDY and hold.				
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000' 1. Baro-VNAV not authorized below -15°C (5°F). 2. GPS or RNP-0.3 required. 3. DME/DME RNP-0.3 not authorized. 4. VGSI and descent angles not coincident. 5. WAAS VNAV not authorized.				
<div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; margin: 0 auto; text-align: center; line-height: 100px;">5100'</div> MSA RW26				

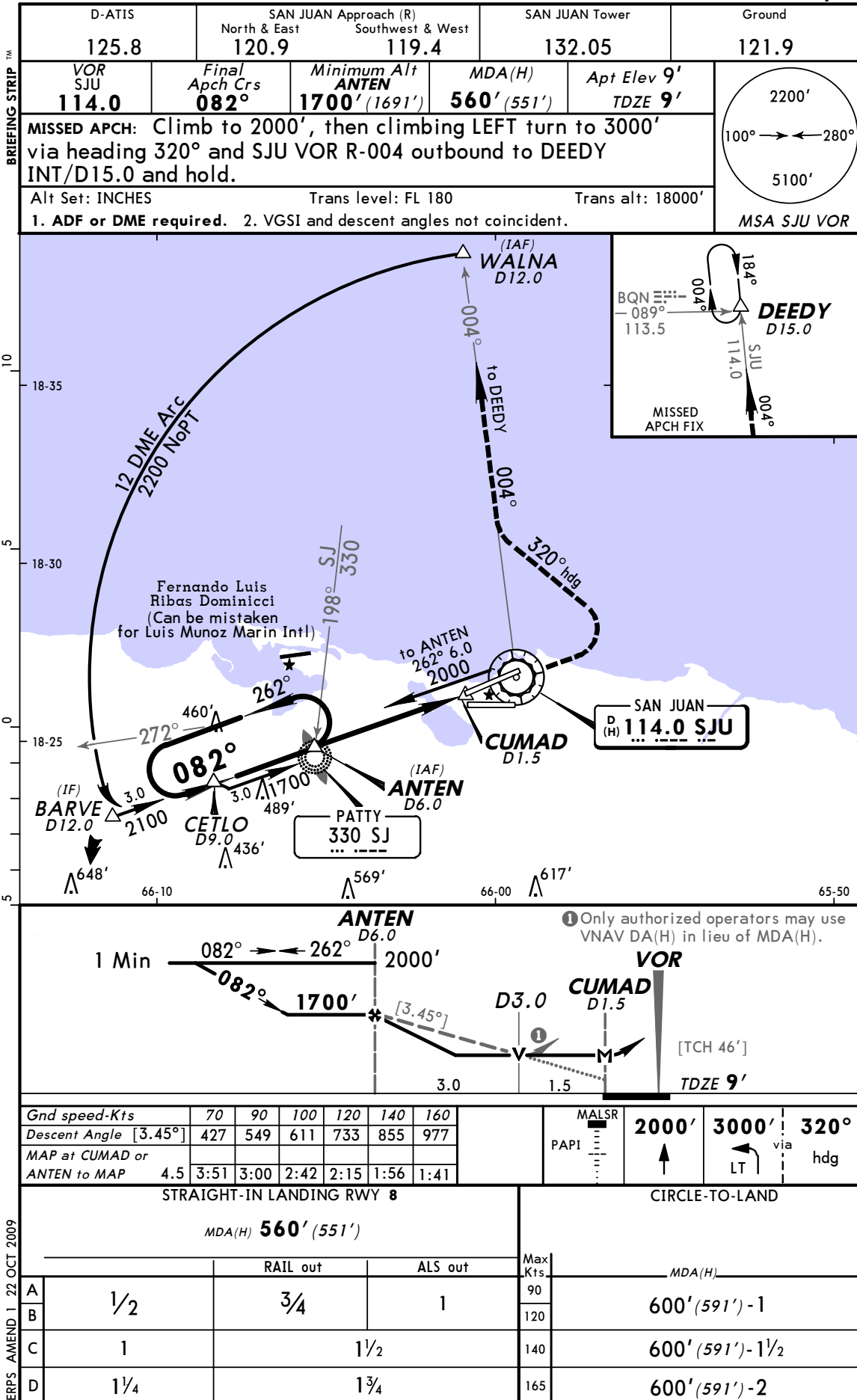


Gnd speed-Kts	70	90	100	120	140	160	REIL VASI-L	3000'	D	POVEE
Descent angle [3.00°]	372	478	531	637	743	849				
MAP at RW26										

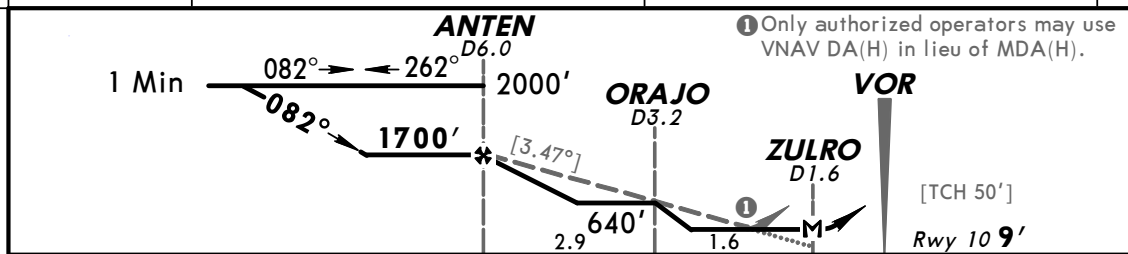
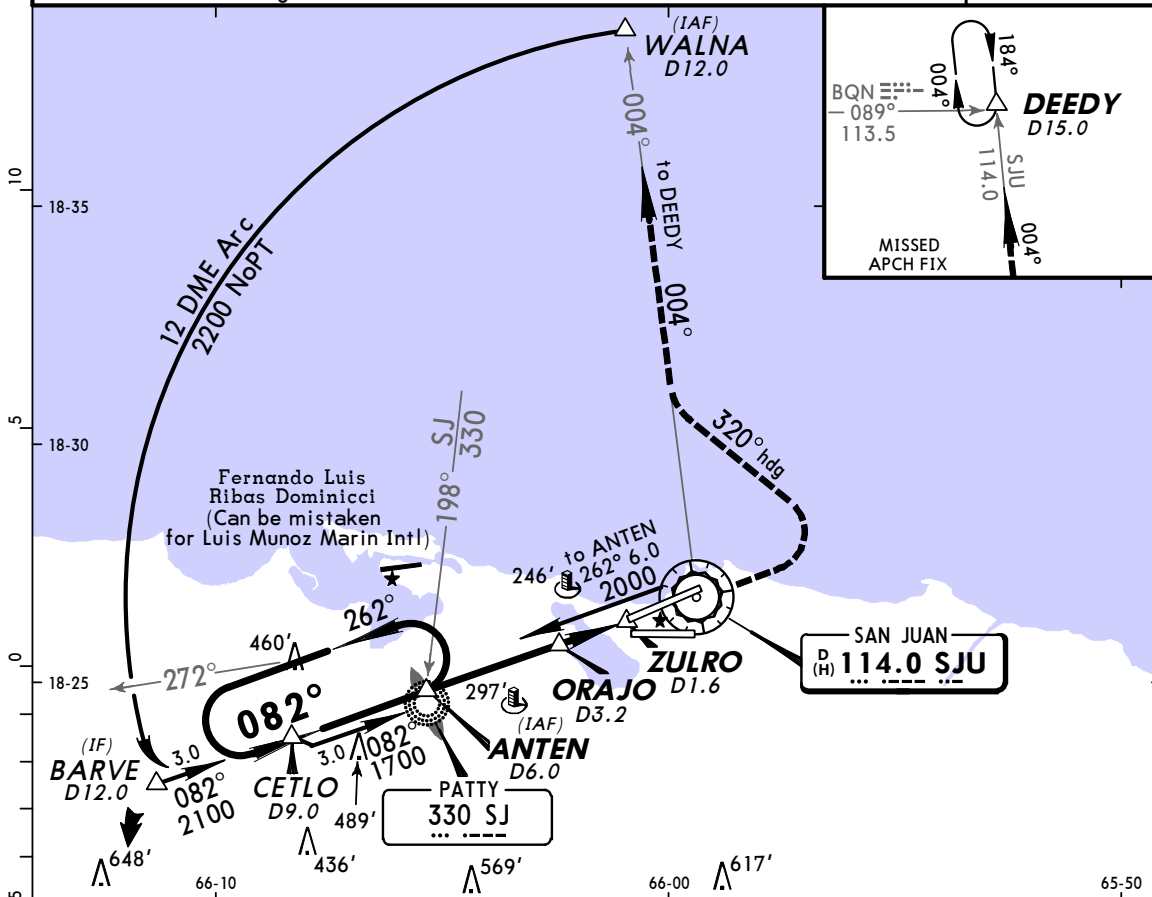
STRAIGHT-IN LANDING RWY 26				CIRCLE-TO-LAND			
LNAV/VNAV		LNAV		Max Kts		MDA(H)	
DA(H) 360' (353')		MDA(H) 400' (393')		90		560' (551')-1 ¼	
1 ¼		1		120		560' (551')-1 ½	
				140		560' (551')-2	
1 ¼		1 ¼		165		560' (551')-2	

CHANGES: WAAS VNAV note.

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D-ATIS 125.8	SAN JUAN Approach (R) North & East 120.9 Southwest & West 119.4		SAN JUAN Tower 132.05		Ground 121.9
VOR SJU 114.0	Final Apch Crs 082°	Minimum Alt ANTEN 1700' (1691')	MDA(H) (CONDITIONAL) 500' (491')	Apt Elev 9' Rwy 10 9'	
MISSED APCH: Climb to 2000', then climbing LEFT turn to 3000' on heading 320° and SJU VOR R-004 outbound to DEEDY INT/D15.0 and hold.					
Alt Set: INCHES 1. ADF or DME required. 2. Visibility reduction by helicopters not authorized. 3. VGSI and descent angles not coincident.					MSA SJU VOR



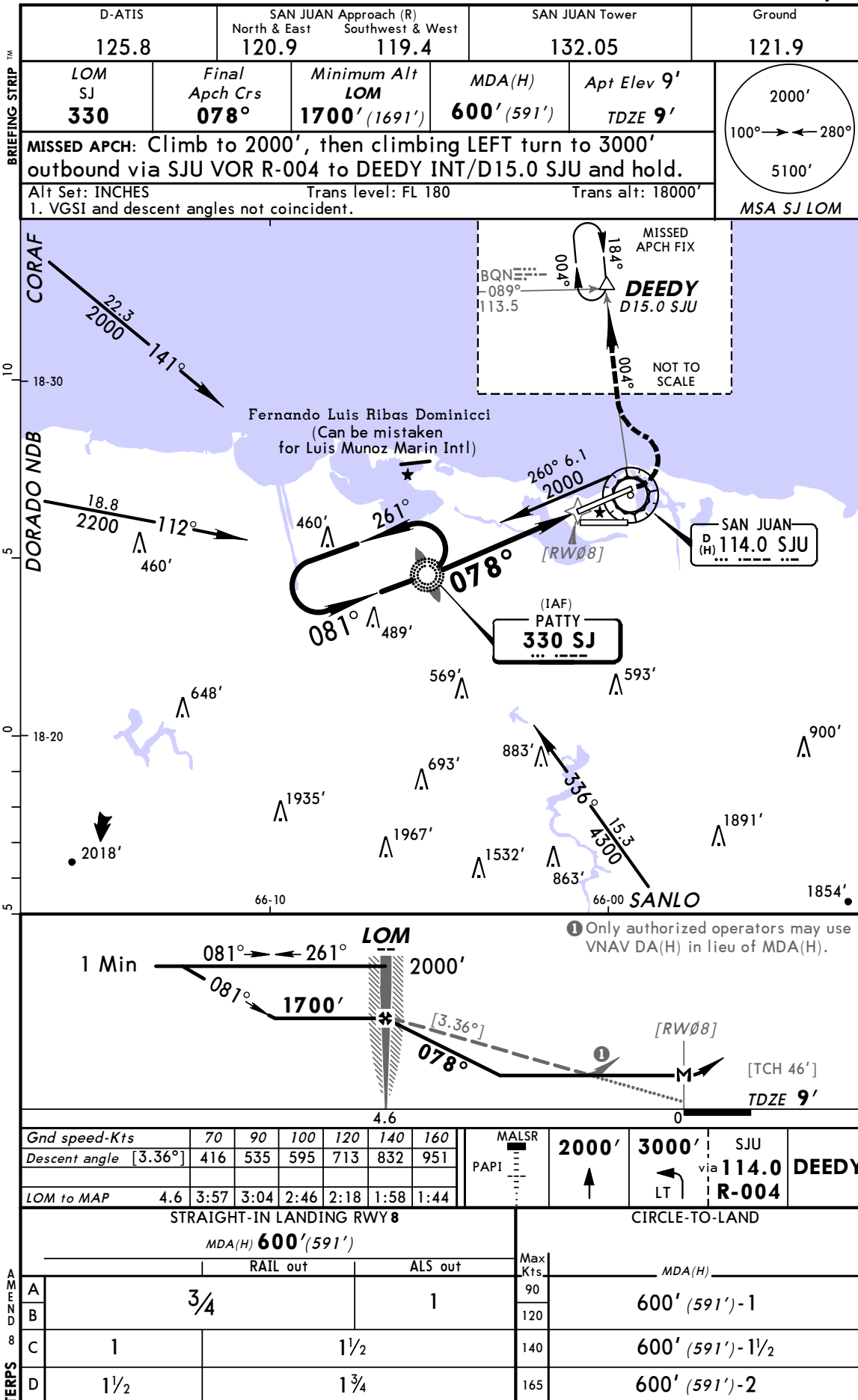
Gnd speed-Kts	70	90	100	120	140	160
Descent Angle [3.47°]	430	553	614	737	860	983
MAP at ZULRO or ANTEN to MAP	4.5	3:51	3:00	2:42	2:15	1:56

TERPS							1 STRAIGHT-IN LANDING RWY 10			1 CIRCLE-TO-LAND		
MDA(H) 500' (491')				MDA(H) 640' (631')			Max Kts	With ORAJO	Without ORAJO			
With ORAJO				Without ORAJO				MDA(H)	MDA(H)			
RAIL out				ALS out								
A	1			1			90	600' (591') - 1	640' (631') - 1			
B	1			1			120					
C	1	1 1/8	1 3/8	1 3/8	1 1/2	1 3/4	140	600' (591') - 1 1/2	640' (631') - 1 3/4			
D	1	1 1/8	1 3/8	1 3/8	1 1/2	1 3/4	165	600' (591') - 2	640' (631') - 2			

1 When VGSI inop, straight-in/circling Rwy 10 procedure not authorized at night.

TJSJ/SJU
LUIS MUNOZ MARIN INTL

JEPPESEN SAN JUAN, PUERTO RICO
16 OCT 09 (16-1) Eff 22 Oct
NDB Rwy 8




SAN JUAN, PUERTO RICO
LAGOON VISUAL Rwy 8



LAGOON VISUAL APPROACH RUNWAY 8

When cleared for the Lagoon Visual Runway 8 Approach aircraft will proceed visually to intercept and fly the Runway 10 final approach course until the west end of the San Jose Lagoon, then make left turn to land Runway 8.

<p>MALSR</p>  <p>PAPI</p>	No Missed Approach Procedure
--	------------------------------

WEATHER MINIMUMS

Ceiling **2000'** Vis 5

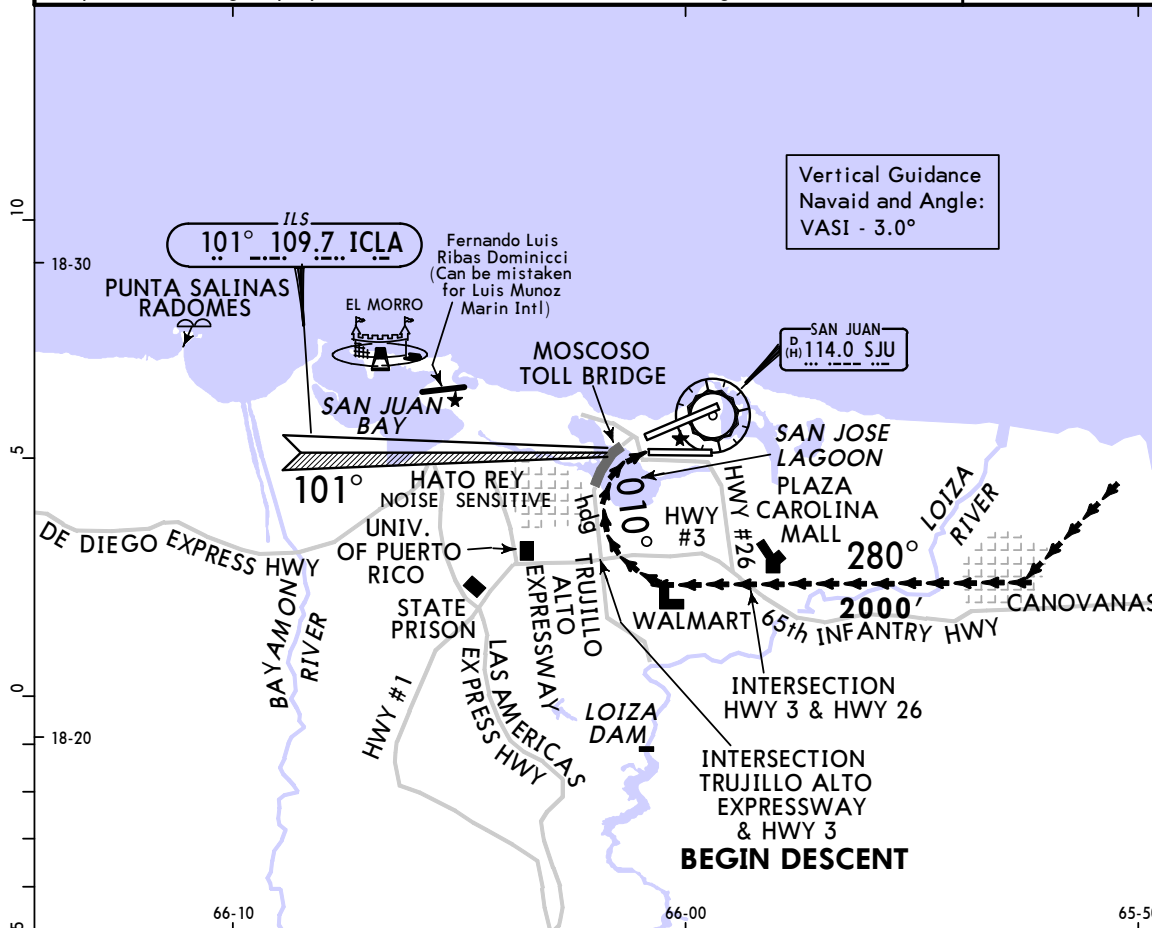
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TERPS

JEPPE
1 MAY 09
Eff 7 May

SAN JUAN, PUERTO RICO
BRIDGE VISUAL Rwy 10

D-ATIS 125.8	SAN JUAN Approach (R) North & East Southwest & West 120.9 119.4		SAN JUAN Tower 132.05		Ground 121.9
NAVAIDS- Refer to Planview	Final Apch Crs Refer to Planview	No FAF	CEIL-VIS 2500'-5	Apt Elev 9' TDZE 9'	<p>2000'</p> <p>100° → ← 280°</p> <p>5100'</p> <p>MSA SJU VOR</p>
MISSED APCH: No Missed Approach procedure.					
Alt Set: INCHES		Trans level: FL 180		Trans alt: 18000'	
1. RADAR required. 2. Procedure not authorized at night. 3. Procedure not authorized for jets or four engine props. 4. Vertical Guidance Navaid and Angle: VASI - 3.0°.					



BRIDGE VISUAL APPROACH RUNWAY 10

When cleared for the Bridge Visual Runway 10 Approach, aircraft will base East of the Moscoso Bridge.

[illegible]

WEATHER MINIMUMS

Ceiling **2500'** Vis 5