

26-APR-2018

**SAN-KSAN**

1-10

AOI

AOI

**GENERAL****Operational Hours****ATS Hours / AD OPS Hours:** H24**Airport Information****RFF:** FAA Index D / CAT 8**Fuel:** Jet A**PCN:** RWY 09/27: 75/F/A/W/T**Operation****Wake Turbulence Aircraft Recategorization (RECAT)**

RECAT phase II is applied at this airport. See CRAR.

**Runway Status Lights (RWSL)**

RWSL system on test. See AGC for details.

**Transponder OPS**

ASDE-X in use. Operate transponders with ALT reporting Mode and ADS-B (if equipped) enabled on all airport surfaces.

**TWY Restrictions**

Taxilane A MAX wingspan 41m / 135ft.

TWY F: ENG start prohibited until 244m / 800ft from N end of TWY F; abeam the 2nd PRKG pad.

**Taxi/Parking**

For manoeuvring 4 ENG ACFT use idle PWR on outer ENG.

Passing to S of ACFT located on TWY B into alley between gates 7 and 14 prohibited.

For access to/from Terminal 2 West:

Gates 40-51 and the Island and west Ron parking ramps, contact ramp control from 1400-0800‡, contact GND from 0800-1400‡.

ACFT with wingspan 61m / 200ft and above inbound to west ramp or gates 47 or 51 must access via TCP1.

**VOR Test Facility (VOT):** 109.0**Warnings**

RWY 09/27: Between 0830-1230‡ 30min PPR required due WIP.

**PGY VOR/DME** unusable:

R060-R080 beyond 25NM.

R080-R100.

**MZB VOR** unusable:

R100-R130 beyond 17NM

R130-R190 beyond 14NM

R190 -R219 beyond 20NM

R308-R350 beyond 20NM below 8000ft.

Birds in vicinity of AD.

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**ARRIVAL****Speed**

MAX IAS 250KT below 10000ft.

MAX IAS 200KT underneath class B airspace.

**Communication****COM Failure:** See CRAR and in addition;**LYNDI**

Join the San Diego RNAV (GPS) RWY 27 APCH at LYNDI. If unable, proceed direct VYDDA and join the San Diego LOC RWY 27 APCH.

**TOPGN**

Proceed direct SARGS then on ILS or LOC RWY 09 APCH.

**Arrival Procedure****Visual Separation OPS**

When WX or operational conditions permit, ATC will provide visual between IFR ARR RWY 27 and other traffic transitioning class B ASP over San Diego Bay, in order to enhance efficiency.

**VFR Traffic Pattern**

RWY 27/09 right-hand circuit.

**Non-standard GP intercept position on RWY 09**

GP intercepts RWY 09 at 310m / 1016ft after landing threshold.

Remaining LDG DIST beyond GP is 1909m / 6264ft.

**Warnings****PAPI RWY 27** unusable: beyond 5° left and right of CL.

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## DEPARTURE

## Take-off Minima

RWY	27	
ft - ft/SM		SID BORDER, SID FALCC
1+2 ENG	0 - 5000R/1.0V	MNM climb gradient 5.9% up to 400
3+4 ENG	0 - 2400R/0.5V	
		SID PADRZ
1+2 ENG	0 - 5000R/1.0V	MNM climb gradient 5.9% up to 3000
3+4 ENG	0 - 2400R/0.5V	
All ACFT	c400 - 2.5V	-
		SID ZZ000
1+2 ENG	0 - 5000R/1.0V	MNM climb gradient 8.3% up to 520
3+4 ENG	0 - 2400R/0.5V	
		SID CWARD
1+2 ENG	0 - 5000R/1.0V	MNM climb gradient 8.3% up to 3000
3+4 ENG	0 - 2400R/0.5V	
All ACFT	c400 - 2.5V	-
		SID ECHHO, SID MMOTO
1+2 ENG	0 - 5000R/1.0V	MNM climb gradient 8.3% up to 4000
3+4 ENG	0 - 2400R/0.5V	
		All other departures
1+2 ENG	0 - 5000R/1.0V	MNM climb gradient 5.9% up to 500
3+4 ENG	0 - 2400R/0.5V	
All ACFT		SID SAYOW
	Not authorized	-
RWY	09	
ft - ft/SM		SID BORDER, SID ECHHO, SID FALCC, SID MMOTO, SID SAYOW
1+2 ENG	0 - 5000R/1.0V	MNM climb gradient 11.3% up to 1900
3+4 ENG	0 - 2400R/0.5V	
All ACFT	c400 - 1.0V	MNM climb gradient 10.1% up to 1900
		All other departures
All ACFT	c400 - 1.75V	MNM climb gradient 4.8% up to 900
		SID CWARD, SID PADRZ, SID PEBLE
All ACFT	Not authorized	-

**SAN-KSAN**

**1-40**

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**DEPARTURE**

**Speed**

MAX IAS 250KT below 10000ft.

MAX IAS 200KT underneath class B airspace.

**Communication**

**COM Failure:** See CRAR.

**Departure Procedure**

Contact GND prior push-back, tow out and taxi for TFC advisories.

**ATC Slot, Clearance**

**Start-up:** Cross-bleed ENG starts permitted only on parallel TWY when aligned on TWY CL.

14-JUN-2018

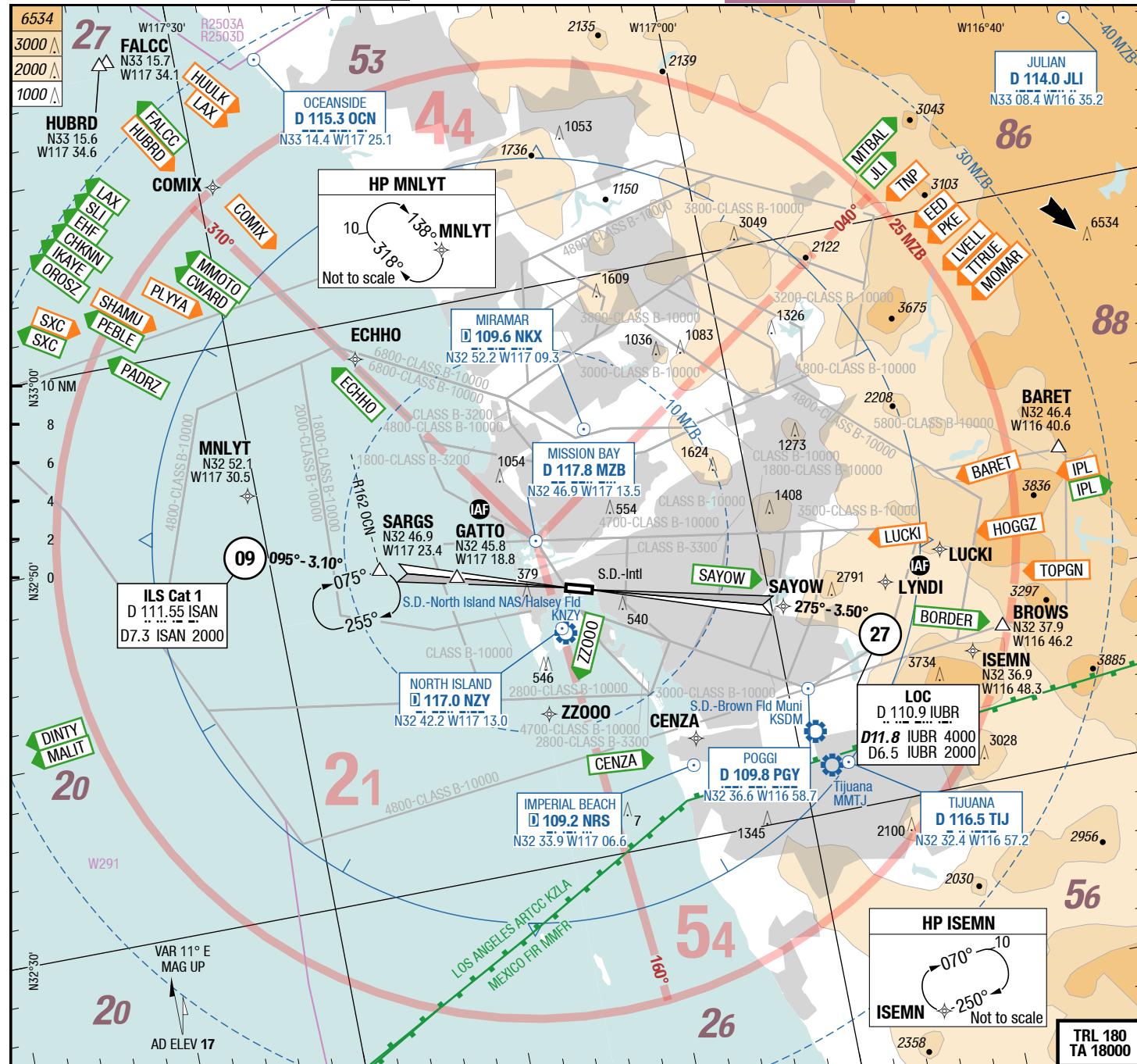
## United States San Diego San Diego Intl

AGC  
AFC

## San Diego Intl San Diego United States

SAN-KSAN

2-10



14-JUN-2018

United States San Diego San Diego Intl

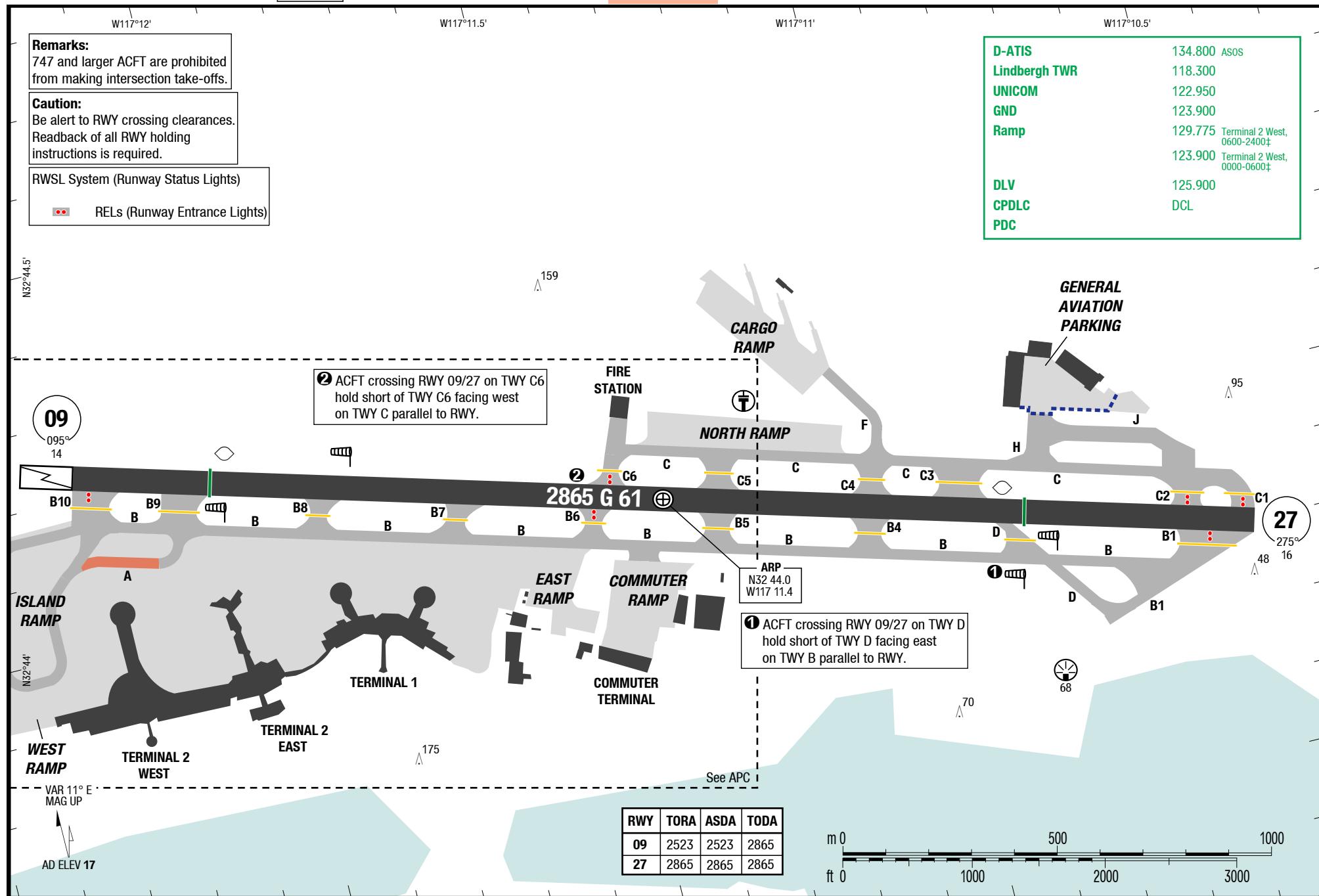
SAN-KSAN

3-20

AGC

AGC

San Diego Intl San Diego United States



Changes: Nil

17-MAY-2018

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[NIL]  
APC

SAN-KSAN

3-30

San Diego Intl San Diego United States

[NIL]  
APC

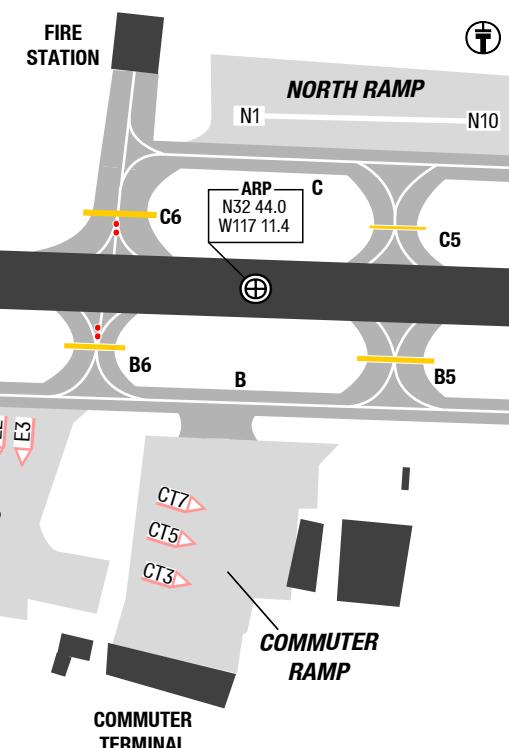
RWSL System (Runway Status Lights)  
■ RELs (Runway Entrance Lights)

Terminal 1: Gates 1-18  
 Terminal 2: Gates 20-51  
 International Gates: 20-22

Legend:  
■ Spot numbers

COORDINATES	
1A-2	N32 43.9 W117 11.7
3-10	N32 44.0 W117 11.7
11-14	N32 44.0 W117 11.8
15-18	N32 44.0 W117 11.9
20	N32 43.9 W117 11.9
20B	Not published
21-23	N32 43.9 W117 12.0
24-32	N32 44.0 W117 12.0
30A	Not published
31A, 32A	Not published
33-35	N32 43.9 W117 12.1
36-40	N32 44.0 W117 12.2
41	N32 44.1 W117 12.2
42-44	N32 44.1 W117 12.3
45-47	N32 44.0 W117 12.3
48	N32 43.9 W117 12.3
49-51	N32 43.9 W117 12.4
CT3-CT7	Not published
E1-E3	Not published
I1-I6	Not published
N1-N10	Not published
W1-W4	Not published

D-ATIS	134.800 ASOS
Lindbergh TWR	118.300
UNICOM	122.950
GND	123.900
Ramp	129.775 Terminal 2 West, 0600-2400‡
DLV	123.900 Terminal 2 West, 0000-0600‡
CPDLC	125.900
PDC	DCL



Changes: Parkingstand

Not to scale

14-JUN-2018

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ECHHO 2 BNAV

**SWARD**

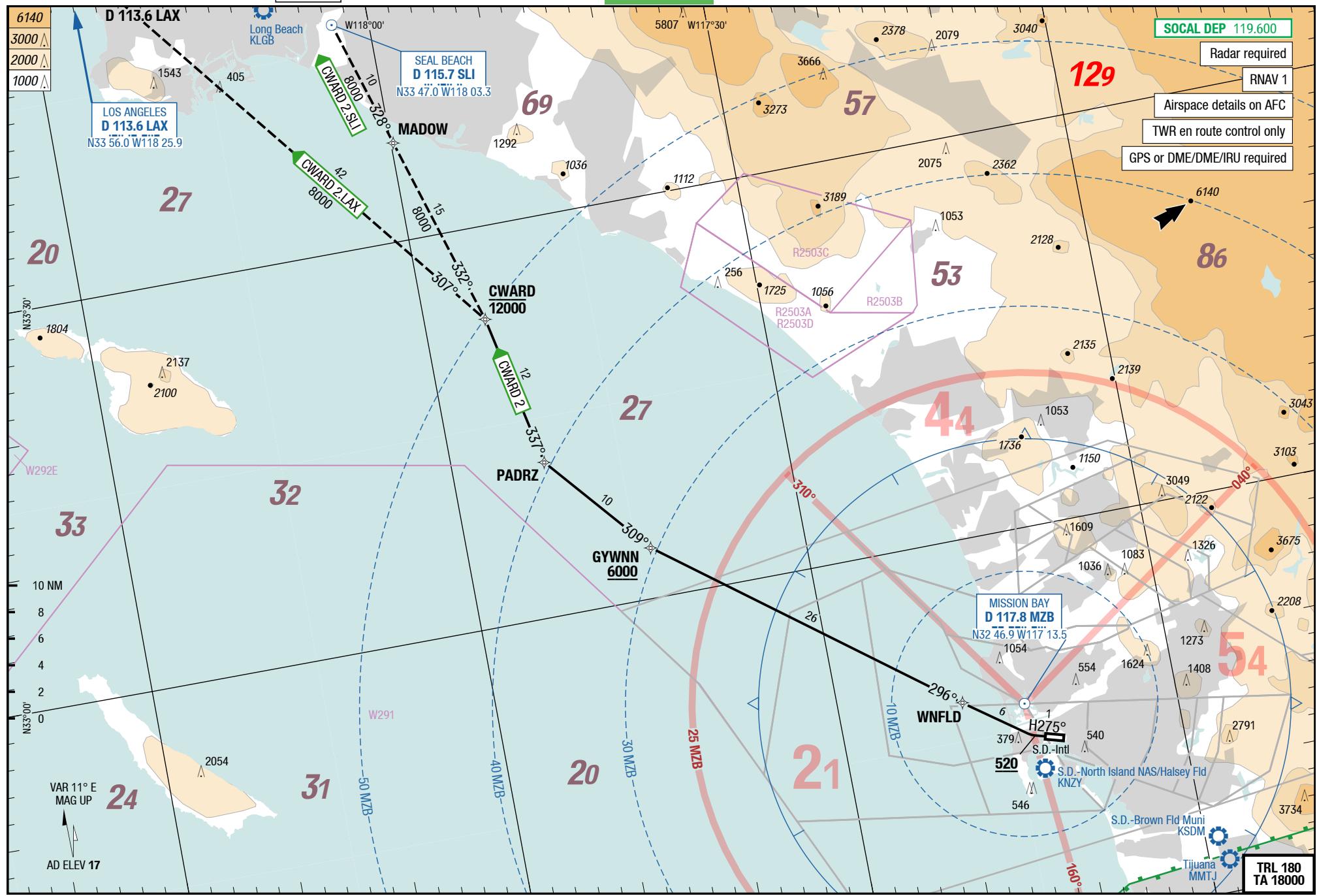
4-10

CWARD 2 RNAV

S/D

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**ECHHO 2 RNAV**



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SAN-KSAN

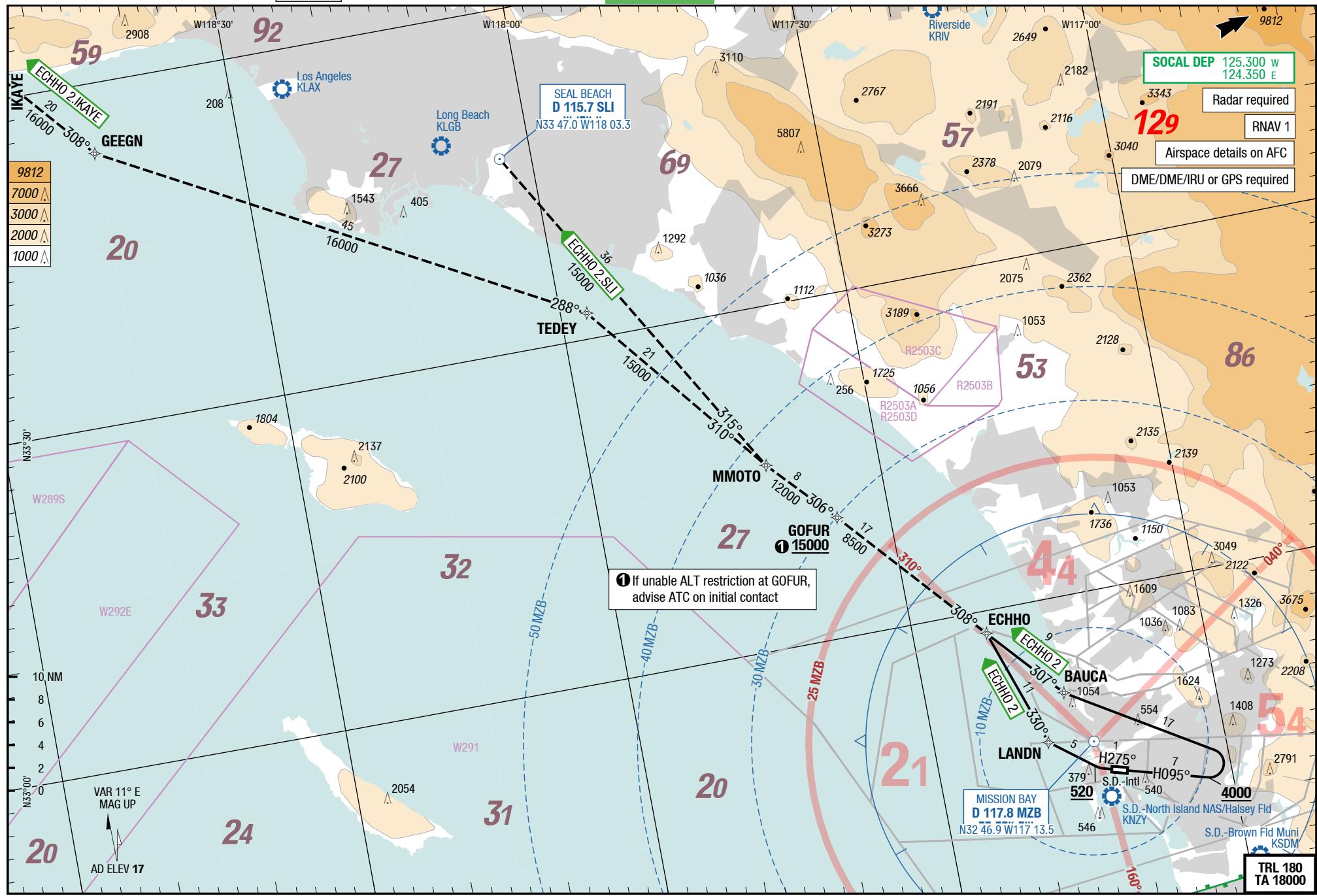
4-20

## ECHHO 2 RNAV

16

8

## ECHHO 2 RNAV



14-JUN-2018

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SAN-KSAN

4-30

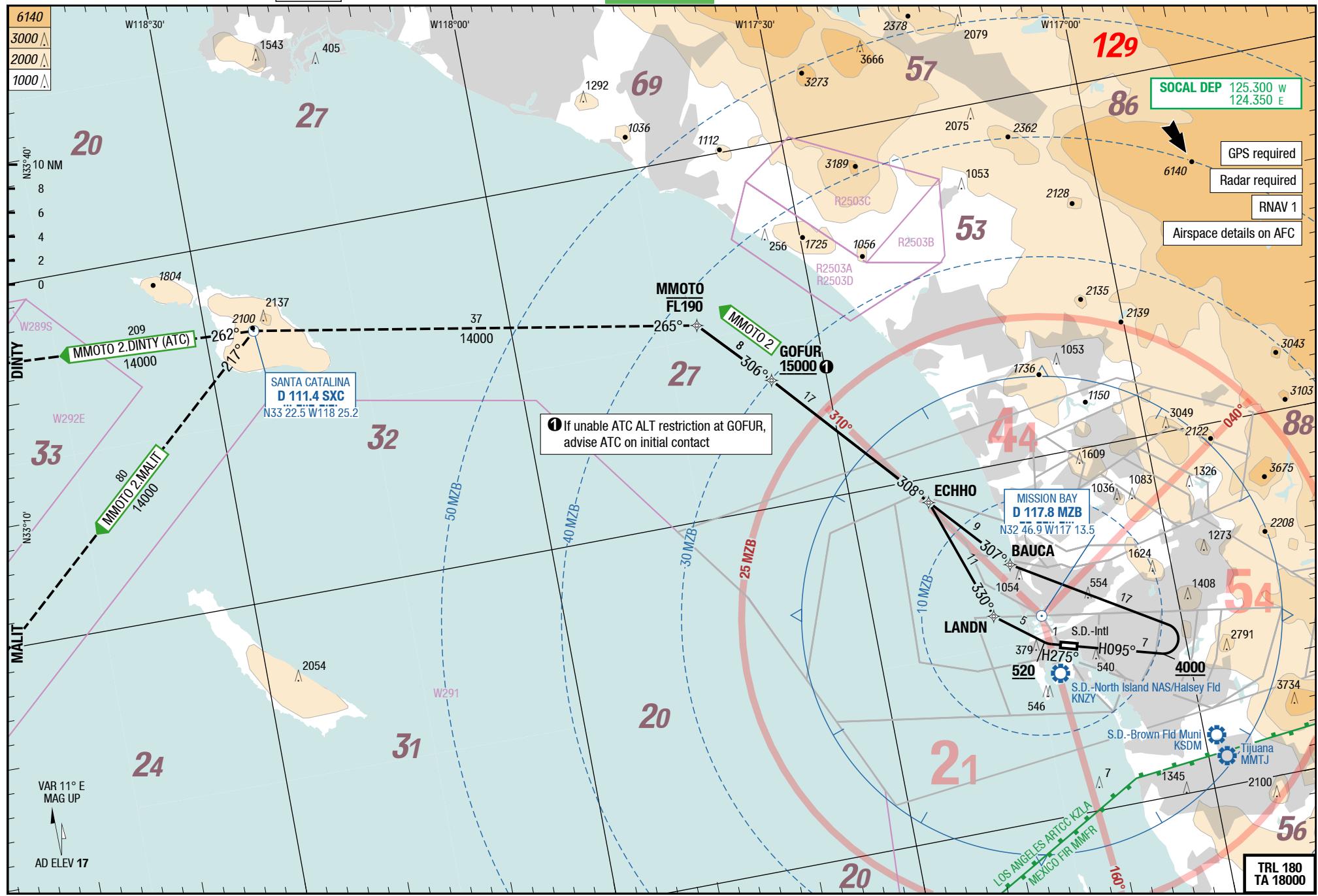
MMOTO 2 RNAV

81

8

## San Diego Intl **San Diego** United States

PADRZ 2 RNA



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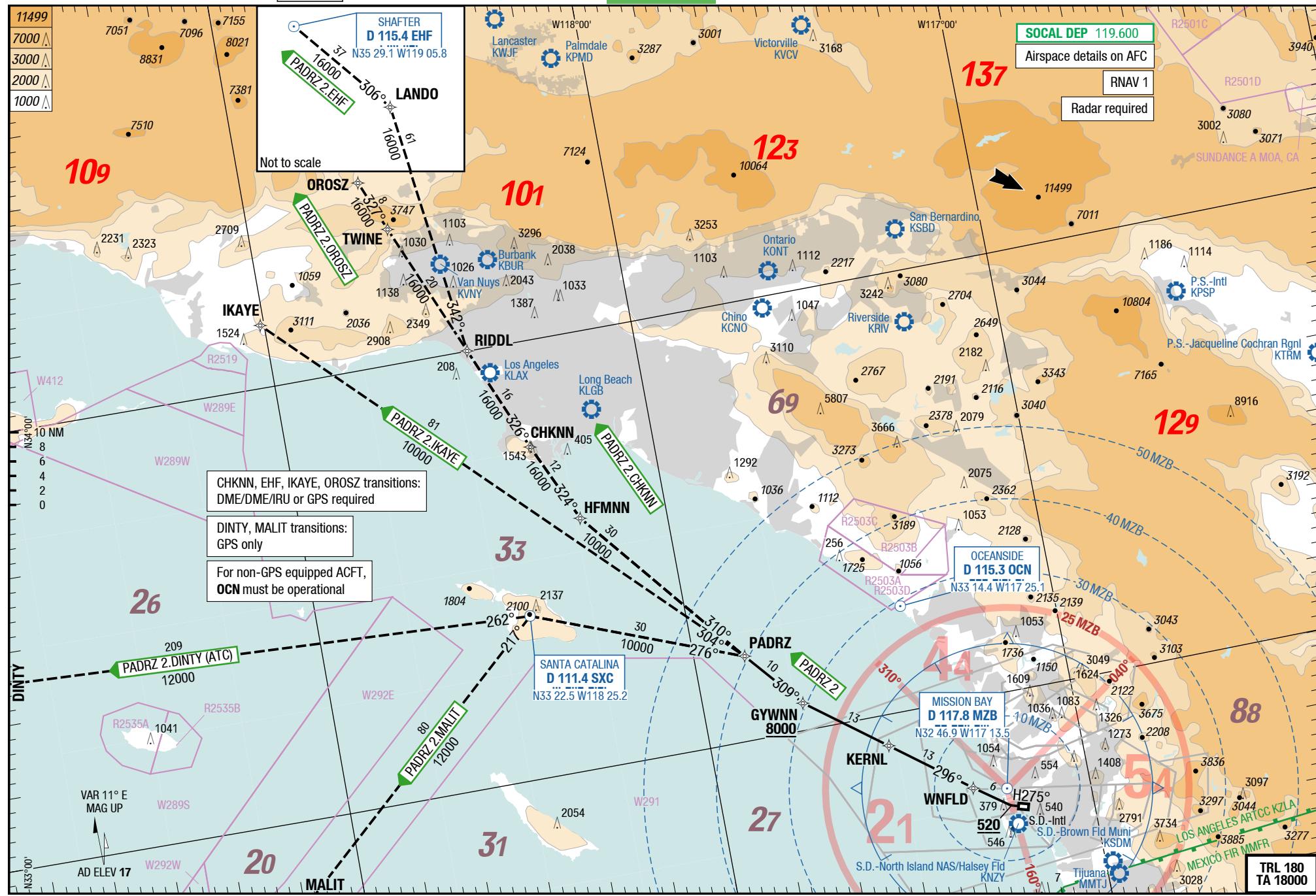
4-40

PADRZ 2 RNAV

SID SID

San Diego Intl San Diego United States

PADRZ 2 RNAV



Changes: OBST, Note

14-JUN-2018

SAN-KSAN

United States San Diego San Diego Intl

ZZ000 2 RNAV

4-50

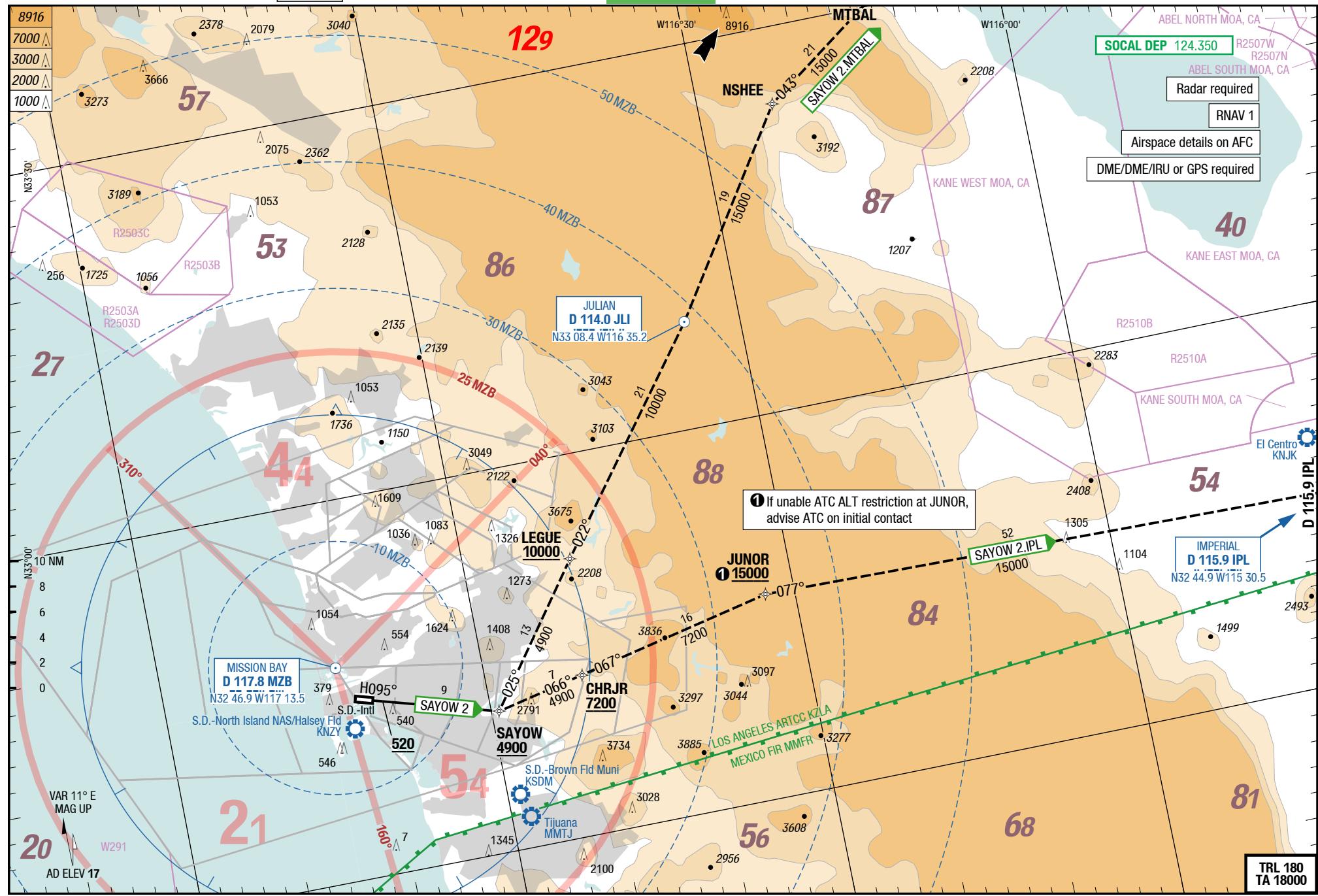
SAYOW 2 RNAV

SID SID

San Diego Intl San Diego United States

ZZ000 2 RNAV

SAYOW 2 RNAV



Changes: OBST, Note

14-JUN-2018

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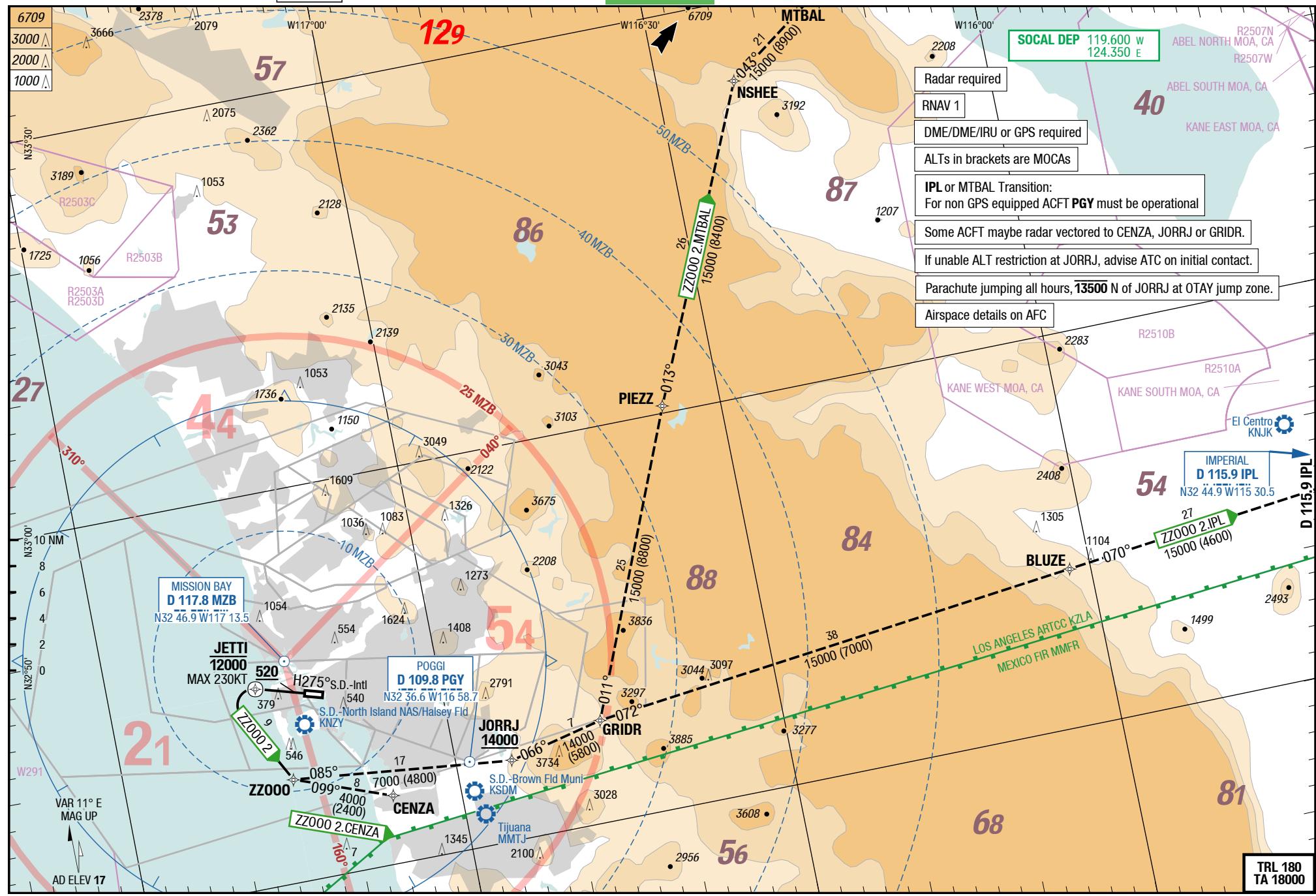
SAN-KSAN

4-60

ZZ000 2 RNAV

SID

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14-JUN-2018

## United States San Diego San Diego Intl

FALCC 1

SAN-KSAN

4-70

BORDER 7 / PEBLE 6

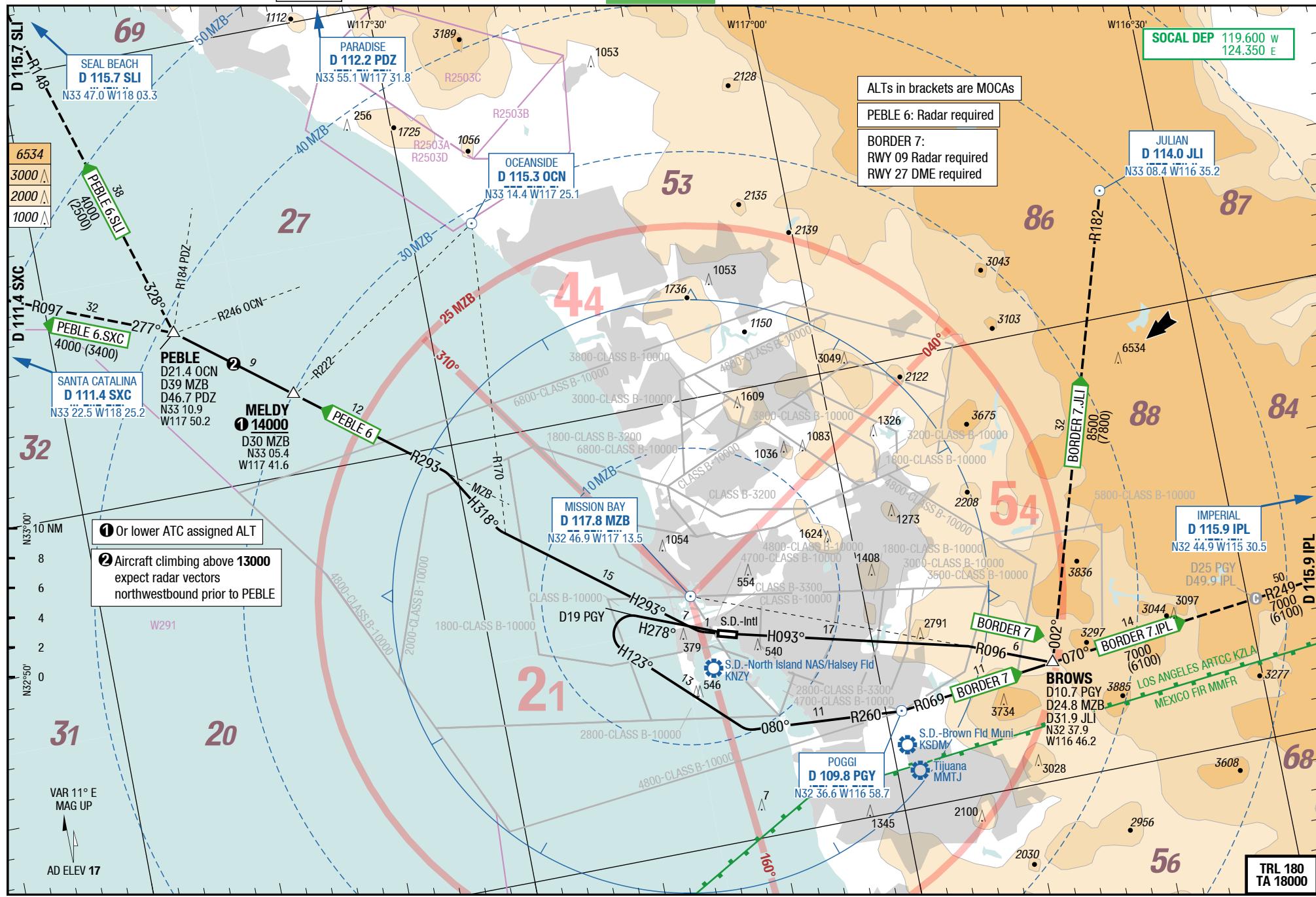
SID

SID

## San Diego Intl San Diego United States

FALCC 1

BORDER 7 / PEBLE 6



Changes: OBST

14-JUN-2018

**United States San Diego** San Diego Intl

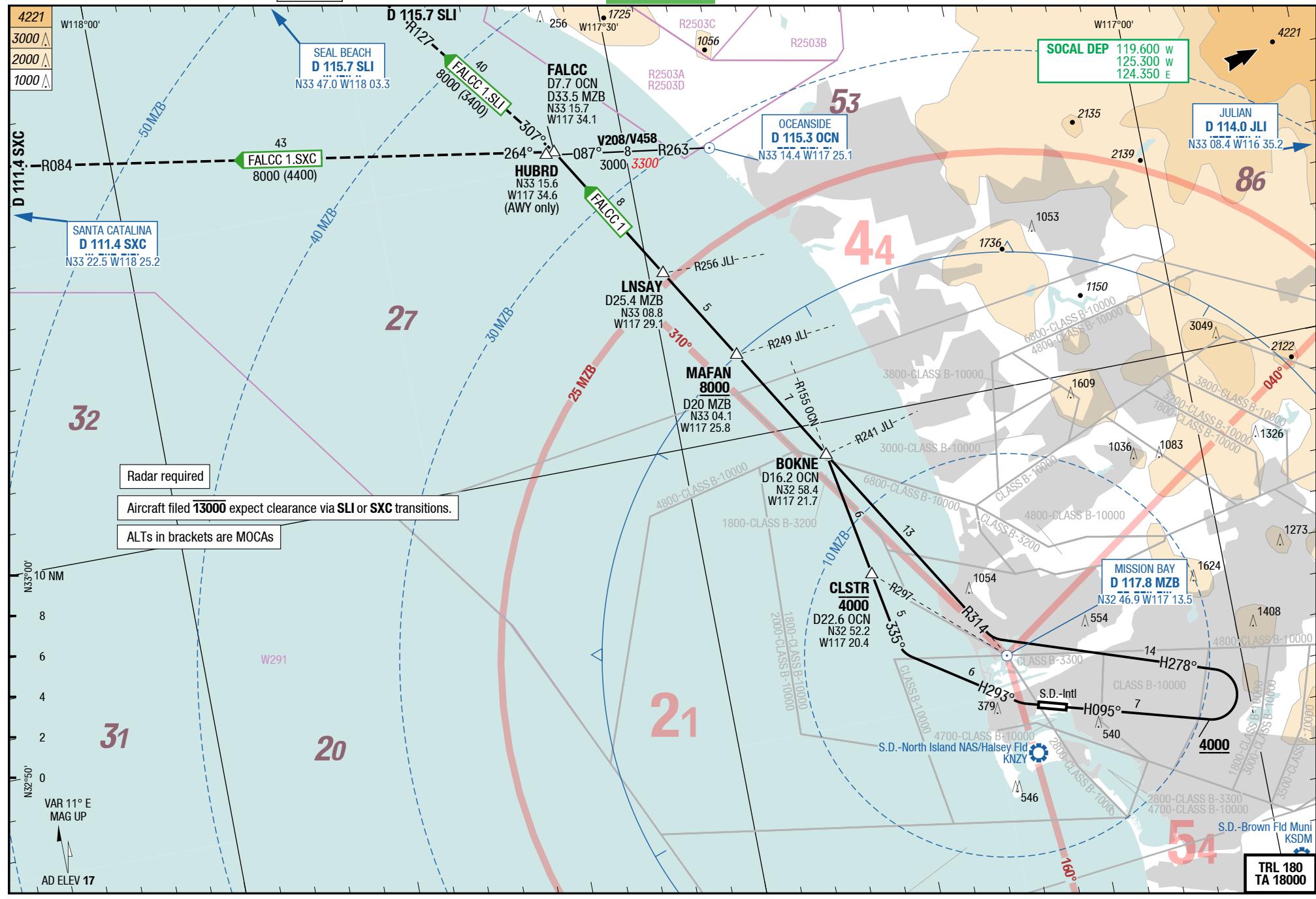
SAN-KSAN

4-80

FALCC 1

San Diego Intl **San Diego** United States

FALCC 1



**SAN-KSAN**

**5-10**

**CWARD 2 RNAV**

**SIDPT**

**CWARD 2**

RWY 27 (275°)

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 27</b>	
<b>CWARD 2 119,600 ①</b>	H275° [A520+ ;R] - DCT WNFLD - GYWNN - PADRZ - CWARD	GYWNN MNM <b>6000</b> CWARD MAX <b>12000</b>  <b>Initial climb</b> by ATC
<b>TRANSITION</b>		
	<b>LOS ANGELES (LAX)</b> CWARD - LAX	CWARD MAX <b>12000</b>
	<b>SEAL BEACH (SLI)</b> CWARD - MADOW - SLI	CWARD MAX <b>12000</b>

① Expect filed ALT 10 minutes after DEP.

**SAN-KSAN**

**5-20**

**ECHHO 2 RNAV**

**ECHHO 2**

RWYs 09 (095°) / 27 (275°)

DESIGNATOR	ROUTING	ALTITUDES
<b>ECHHO 2</b> <b>125.300 (W)</b> <b>124.350 (E)</b> ①②		<b>Initial climb 15000</b>
<b>RWY 09</b>	HDG 095°- at MNM <b>4000 LT</b> direct BAUCA - ECHHO	
<b>RWY 27</b>	HDG 275°- at MNM <b>520 RT</b> direct LANDN - ECHHO	
	TRANSITION	
	<b>IKAYE</b> ECHHO - GOFUR - MMOTO - TEDEY - GEEGN - IKAYE	<b>GOFUR MNM 15000</b>
	<b>SEAL BRACH (SLI)</b> ECHHO - GOFUR - MMOTO - <b>SLI</b>	<b>GOFUR MNM 15000</b>

- ① If unable ALT restriction at GOFUR, advise ATC on initial contact.  
② Expect filed ALT 10 minutes after DEP.

**SAN-KSAN**

**5-30**

**MMOTO 2 RNAV**

SIDPT

**MMOTO 2**

RWYs 09 (095°) / 27 (275°)

DESIGNATOR	ROUTING	ALTITUDES
<b>MMOTO 2</b> <b>125.300 (W)</b> <b>124.350 (E)</b> ①②		GOFUR MNM <b>15000</b> MMOTO MAX FL190  <b>Initial climb by ATC</b>
<b>RWY 09</b>	HDG 095° - at MNM <b>4000 LT</b> direct BAUCA - ECHHO - GOFUR - MMOTO	
<b>RWY 27</b>	HDG 275° - at MNM <b>520 RT</b> direct LANDN - ECHHO - GOFUR - MMOTO	
	<b>TRANSITION</b>	
	<b>DINTY (ATC)</b> MMOTO - <b>SXC</b> - DINTY	
	<b>MALIT</b> MMOTO - <b>SXC</b> - MALIT	

① Expect filed ALT 10 minutes after DEP.

② If unable ATC ALT restriction at GOFUR, advise ATC on initial contact

**SAN-KSAN**

**5-40**

**PADRZ 2 RNAV**

SIDPT

**PADRZ 2**

RWY 27 (275°)

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 27</b>	
<b>PADRZ 2</b> ①	H275° [A520+ ;R] - DCT WNFLD - KERNL - GYWNN - PADRZ	GYWNN MNM 8000 <b>Initial climb 15000</b>
	<b>TRANSITION</b>	
<b>CHKNN</b>	PADRZ - HFMNN - CHKNN	
<b>DINTY (ATC)</b>	PADRZ - SXC - DINTY	
<b>IKAYE</b>	PADRZ - IKAYE	
<b>MALIT</b>	PADRZ - SXC - MALIT	
<b>OROSZ</b>	PADRZ - HFMNN - CHKNN - RIDL - TWINE - OROSZ	
<b>SHAFTER (EHF)</b>	PADRZ - HFMNN - CHKNN - RIDL - LANDO - EHF	

① Expect filed ALT 10 minutes after DEP.

**SAN-KSAN**

**5-50**

**SAYOW 2 RNAV**

**SAYOW 2**

RWY 09 (095°)

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 09</b>	
<b>SAYOW 2</b> <b>124.350</b> ①②	HDG 095°-at MNM <b>520</b> direct SAYOW	SAYOW MNM <b>4900</b>  <b>Initial climb FL190</b> (Jet)/ <b>15000</b> (Prop)
	<b>TRANSITION</b>	
	<b>IMPERIAL (IPL)</b> SAYOW - CHRJR - JUNOR - <b>IPL</b>	SAYOW MNM <b>4900</b> CHRJR MNM <b>7200</b> JUNOR MNM <b>15000</b>
	<b>MTBAL</b> SAYOW - LEGUE - <b>JLI</b> - NSHEE - MTBAL	SAYOW MNM <b>4900</b> LEGUE MNM <b>10000</b>

- ① If unable ATC ALT restriction at JUNOR, advise ATC on initial contact.  
② Expect filed ALT 10 minutes after DEP.

**SAN-KSAN**

**5-60**

**ZZ000 2 RNAV**

**ZZ000 2**

RWY 27 (275°)

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 27</b>	
<b>ZZ000 2</b> <b>119.600 (W)</b> <b>124.350 (E)</b> ①②③④	HDG 275°- at MNM <b>520</b> direct JETTI (MAX 230KT) - ZZ000	JETTI MAX <b>12000</b>  <b>Initial climb 15000</b> (Prop) <b>Initial climb FL230</b> (Jet)
	<b>TRANSITION</b>	
<b>CENZA</b> ZZ000 - CENZA		
<b>IMPERIAL (IPL)</b> ZZ000 - JORRJ - GRIDR - BLUZE - <b>IPL</b>		JORRJ MNM <b>14000</b>
<b>MTBAL</b> ZZ000 - JORRJ - GRIDR - PIEZZ - NSHEE - MTBAL		JORRJ MNM <b>14000</b>

- ① Expect filed ALT 10 minutes after DEP.
- ② Some ACFT may be radar vectored to CENZA, JORRJ or GRIDR.
- ③ If unable ALT restriction at JORRJ, advise ATC on initial contact.
- ④ Parachute jumping all hours, at or below 13500 N of JORRJ at OTAY jump zone.

**SAN-KSAN**

**5-70**

**BORDER 7 / PEBLE 6**

**SIDPT**

**BORDER 7 / PEBLE 6**

RWYs 09 (095°) / 27 (275°)

DESIGNATOR	ROUTING	ALTITUDES
<b>BORDER 7</b>		
124.350 (E)		
119.600 (W)		
①		
<b>RWY 09</b>	HDG 093° - intercept R096 <b>MZB</b> to BROWS	
<b>RWY 27</b>	HDG 278° - at D19 <b>PGY</b> LT HDG 123° intercept R260 <b>PGY</b> to <b>PGY</b> - R069 <b>PGY</b> to BROWS	
<b>TRANSITION</b>		
<b>IMPERIAL (IPL)</b> BROWS - R069 <b>PGY</b> / R249 <b>IPL</b> to <b>IPL</b>		
<b>JULIAN (JLI)</b> BROWS - R182 <b>JLI</b> to <b>JLI</b>		
<b>PEBLE 6</b> 119.600 ②	RT HDG 293° - crossing R170 <b>OCN</b> RT HDG 318° intercept R293 <b>MZB</b> to <b>MELDY</b> - <b>PEBLE</b>	MELDY MNM <b>14000</b> (for aircraft climbing MNM <b>14000</b> )
<b>TRANSITION</b>		
<b>SANTA CATALINA (SXC)</b> PEBLE - R097 <b>SXC</b> to <b>SXC</b>		
<b>SEAL BEACH (SLI)</b> PEBLE - R148 <b>SLI</b> to <b>SLI</b>		

- ① Maintain Assigned ALT. Expect filed ALT or Flight Level 10 Minutes after DEP.  
② Aircraft climbing above 13000ft expect radar vectors northwestbound prior to PEBLE.

**SAN-KSAN**

**5-80**

**FALCC 1**

**SIDPT**

**FALCC 1**

RWYs 09 (095°) / 27 (275°)

DESIGNATOR	ROUTING	ALTITUDES
<b>FALCC 1</b> ①		
<b>RWY 09</b>	HDG 095° - at MNM <b>4000</b> LT HDG 278° - <b>RT</b> intercept R314 <b>MZB</b> to BOKNE - MAFAN - LNSAY - FALCC	MAFAN MNM <b>8000</b> <b>Initial climb</b> by ATC
<b>RWY 27</b>	<b>RT</b> HDG 293° - <b>RT</b> intercept R155 <b>OCN</b> inbound to CLSTR - BOKNE - <b>LT</b> intercept R314 <b>MZB</b> to MAFAN - LNSAY - FALCC	CLSTR MAX <b>4000</b> MAFAN MNM <b>8000</b> <b>Initial climb</b> by ATC
	TRANSITION	
	<b>SANTA CATALINA (SXC)</b> FALCC - R084 <b>SXC</b> to <b>SXC</b>	
	<b>SEAL BEACH (SLI)</b> FALCC - R127 <b>SLI</b> to <b>SLI</b>	

① ACFT filed at or below 13000 expect clearance via SLI or SXC transitions.

SAN-KSAN

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Obstacle Departure 09

SIDPT

## Obstacle Departure

RWY	Routing
09	Climb HDG 095° to <b>900</b> - climbing <b>LT</b> direct <b>MZB</b> . ACFT departing R180 <b>MZB</b> CW R360 <b>MZB</b> climb on course. All others climb in <b>MZB</b> HLDG (W, <b>RT</b> , 075° INBD) to cross <b>MZB</b> MNM <b>2300</b> BPOC.
RWY	Notes
09	Fence, terrain, beginning 14ft from DER, 67ft left of centerline, up to 14ft AGL/35ft MSL. Pole, building, terrain, fence, beginning 21ft from DER, 8ft right of centerline, up to 35ft AGL/50ft MSL. Sign, terrain, beginning 268ft from DER, 137ft left of centerline, up to 50ft AGL/77ft MSL. Tree, building, beginning 781ft from DER, 265ft right of centerline, up to 91ft MSL. Building, terrain, beginning 877ft from DER, 180ft left of centerline, up to 66ft AGL/106ft MSL. Building 1385ft from DER, 356ft right of centerline, 55ft AGL/95ft MSL. Electrical system, terrain, beginning 1395ft from DER, 319ft left of centerline, up to 44ft AGL/138ft MSL. Tree, terrain, beginning 1822ft from DER, 561ft left of centerline, up to 196ft MSL. Tree 1857ft from DER, 45ft right of centerline, 45ft AGL/144ft MSL. Tree, terrain, building, beginning 2140ft from DER, 119ft left of centerline, up to 198ft MSL. Building, terrain, beginning 2596ft from DER, 101ft right of centerline, up to 89ft AGL/158ft MSL. Trees, terrain, beginning 2681ft from DER, 190ft left of centerline, up to 215ft MSL. T-L tower, terrain, building, pole, tree, beginning 2948ft from DER, 40ft left of centerline, up to 67ft AGL/272ft MSL. Tree, terrain, building, beginning 2965ft from DER, 30ft right of centerline, up to 211ft MSL. Building, terrain, beginning 3857ft from DER, 39ft right of centerline, up to 44ft AGL/216ft MSL. Building 4376ft from DER, 1295ft left of centerline, 117ft AGL/364ft MSL. Building, terrain, beginning 4410ft from DER, 322ft left of centerline, up to 128ft AGL/389ft MSL. Building, beginning 4433ft from DER, 1207ft right of centerline, up to 165ft AGL/296ft MSL. Antenna on OL building 4460ft from DER, 1482ft left of centerline, 403ft MSL. Terrain, building, tree, pole, beginning 4510ft from DER, 213ft left of centerline, up to 132ft MSL. Tree, building, beginning 5159ft from DER, 325ft right of centerline, up to 113ft AGL/301ft MSL. Building 6023ft from DER, 1934ft right of centerline, 224ft AGL/370ft MSL. Building 1NM from DER, 1543ft right of centerline, 234ft AGL/372ft MSL. Building, tree, beginning 1NM from DER, 21ft right of centerline, up to 287ft AGL/401ft MSL. Monument 1.3NM from DER, 1339ft left of centerline, 53ft AGL/310ft MSL. Pole 1.3NM from DER, 1721ft left of centerline, 35ft AGL/306ft MSL. Stack, tree, beginning 1.4NM from DER, 501ft left of centerline, up to 170ft AGL/374ft MSL. Tree 1.9NM from DER, 490ft left of centerline, 330ft MSL.

**SAN-KSAN**

**5-100**

**Obstacle Departure 27**

SIDPT

### **Obstacle Departure**

<b>RWY</b>	<b>Routing</b>
<b>27</b>	Climb HDG 275° to <b>900</b> - climbing <b>RT</b> direct <b>MZB</b> . ACFT departing R180 <b>MZB</b> CW R360 <b>MZB</b> climb on course. All others climb in <b>MZB</b> HLDG (W, <b>RT</b> , 075° INBD) to cross <b>MZB</b> MNM <b>2300</b> BPOC.
<b>RWY</b>	<b>Notes</b>
<b>27</b>	Pole 192ft from DER, 347ft right of centerline, 17ft AGL/29ft MSL. Navaid 284ft from DER, 317ft left of centerline, 19ft AGL/28ft MSL. Tree 754ft from DER, 156ft right of centerline, 24ft AGL/34ft MSL. Tree 1021ft from DER, 620ft right of centerline, 71ft MSL. Pole 2515ft from DER, 707ft left of centerline, 103ft AGL/118ft MSL. Tree 2594ft from DER, 353ft right of centerline, 90ft AGL/107ft MSL. Tree 3179ft from DER, 410ft right of centerline, 111ft MSL. Tree 3494ft from DER, 947ft right of centerline, 169ft MSL. Tower 3675ft from DER, 14ft right of centerline, 60ft AGL/115ft MSL. Tree 4248ft from DER, 403ft left of centerline, 75ft AGL/150ft MSL. Tree 4441ft from DER, 1199ft right of centerline, 111ft AGL/199ft MSL. Trees beginning 5046ft from DER, 7ft left of centerline, up to 96ft AGL/235ft MSL. Tree, building, beginning 5693ft from DER, 272ft right of centerline, up to 227ft MSL. Tree 6050ft from DER, 1703ft left of centerline, 256ft MSL. Trees beginning 1NM from DER, 532ft left of centerline, up to 65ft AGL/261ft MSL. Building LT, tree, beginning 1NM from DER, 257ft right of centerline, up to 40ft AGL/238ft MSL. Tree 1.9NM from DER, 3367ft left of centerline, 65ft AGL/328ft MSL.

14-JUN-2018

SAN-KSAN

## United States San Diego San Diego Intl

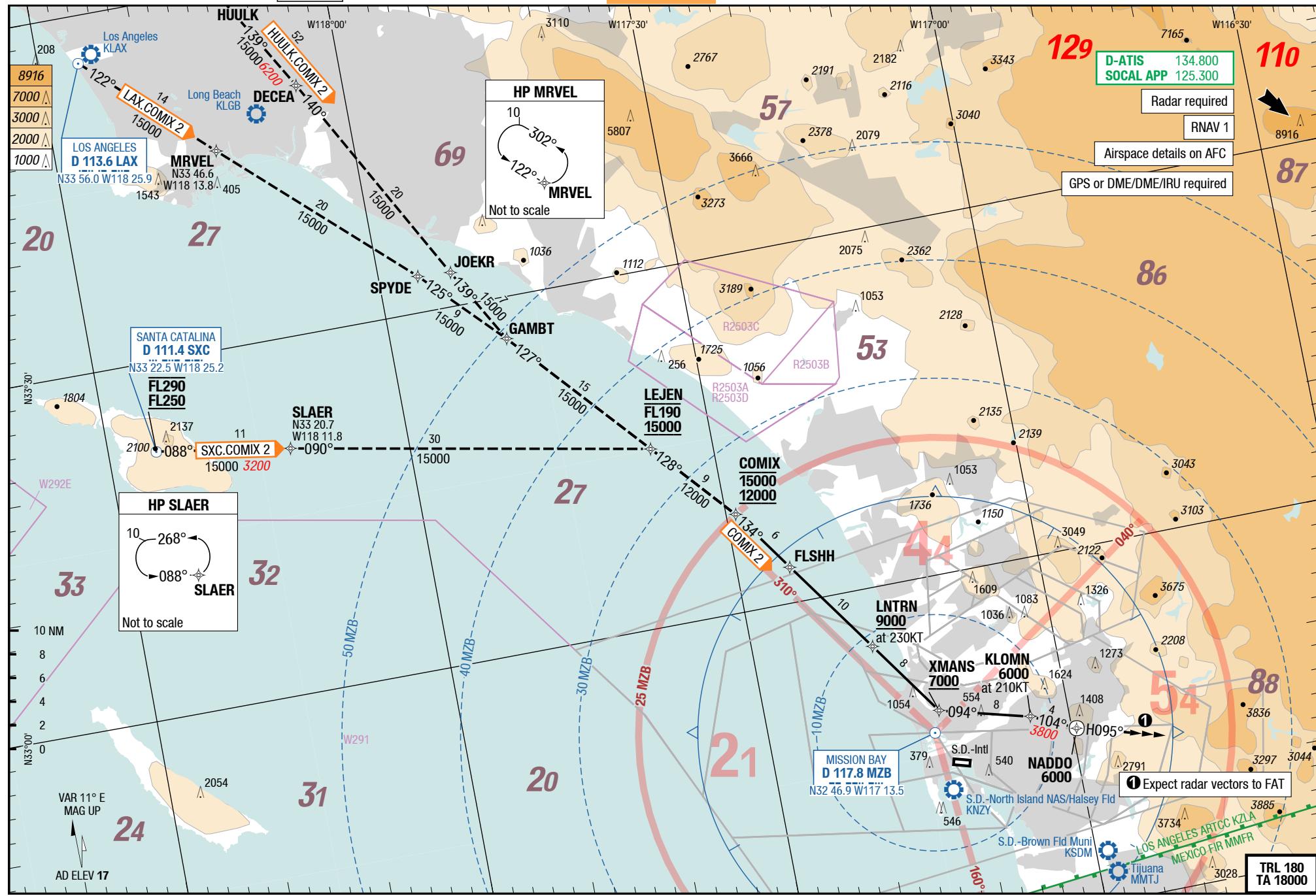
LUCKI 1 RNAV  
COMIX 2 RNAV

6-10

STAR

STAR

## San Diego Intl San Diego United States

LUCKI 1 RNAV  
COMIX 2 RNAV

Changes: OBST

14-JUN-2018

United States **San Diego** San Diego Intl

SAN-KSAN

6-20

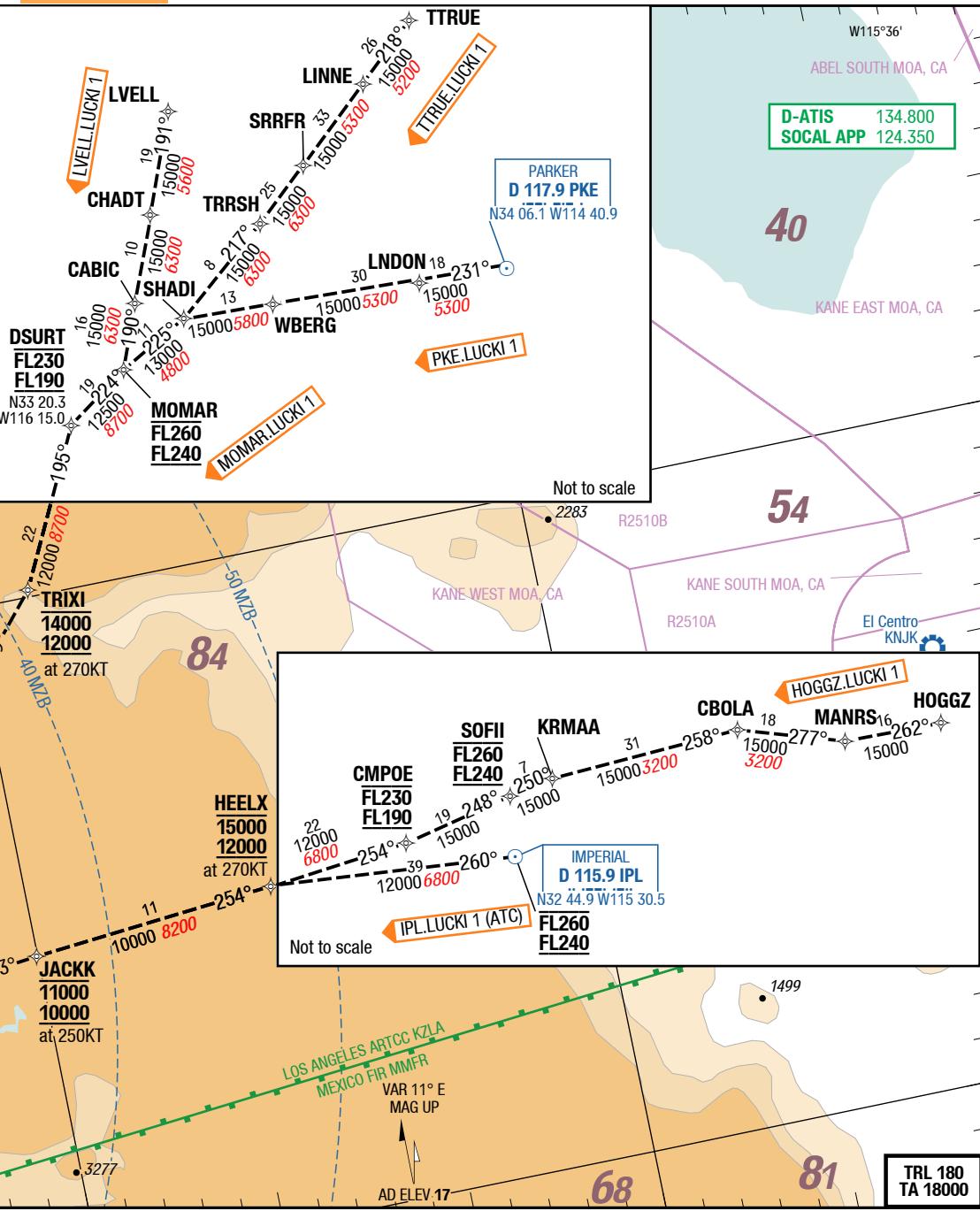
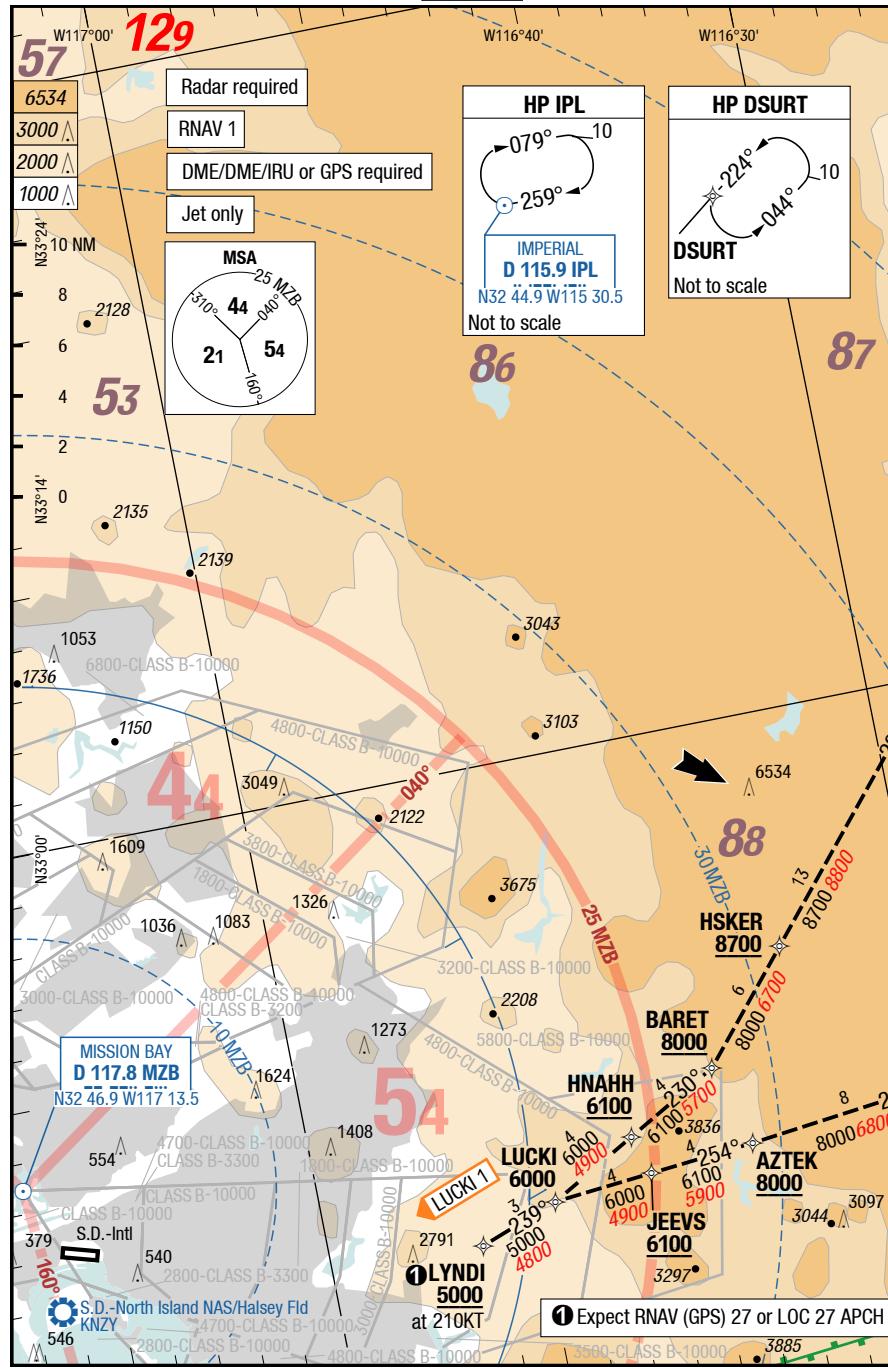
## **LUCKI 1 RNAV**

San Diego Intl **San Diego** United States

STAR

**STAR**

## LUCKI 1 RNAV



14-JUN-2018

United States **San Diego** San Diego Intl

STAF

ΣΤΑΕ

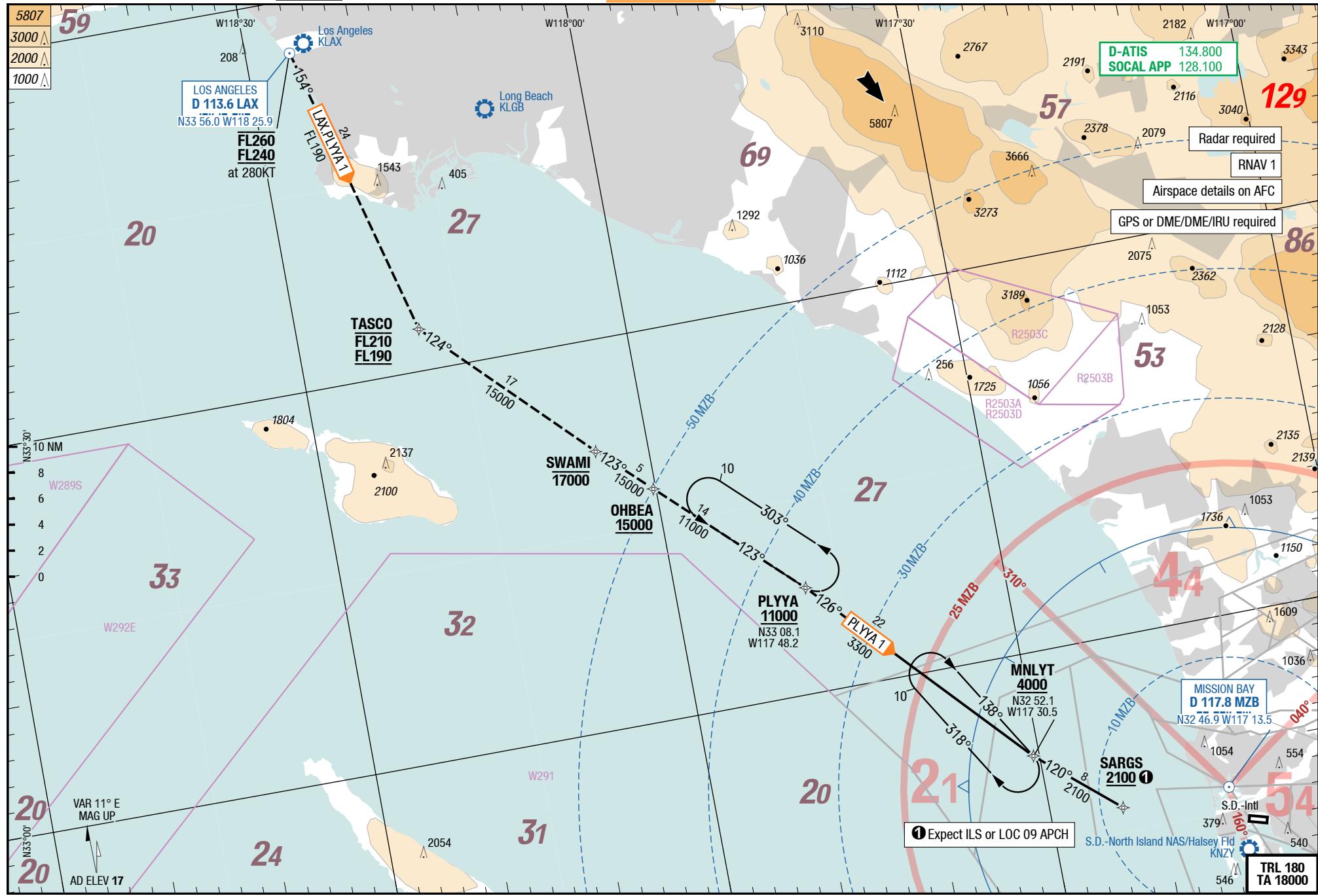
San Diego Intl **San Diego** United States

SAN-KSAN

6-30

PLYYA 1 RNAV

PLYYA 1 RNAV



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United States San Diego San Diego Intl

San Diego Intl San Diego United States

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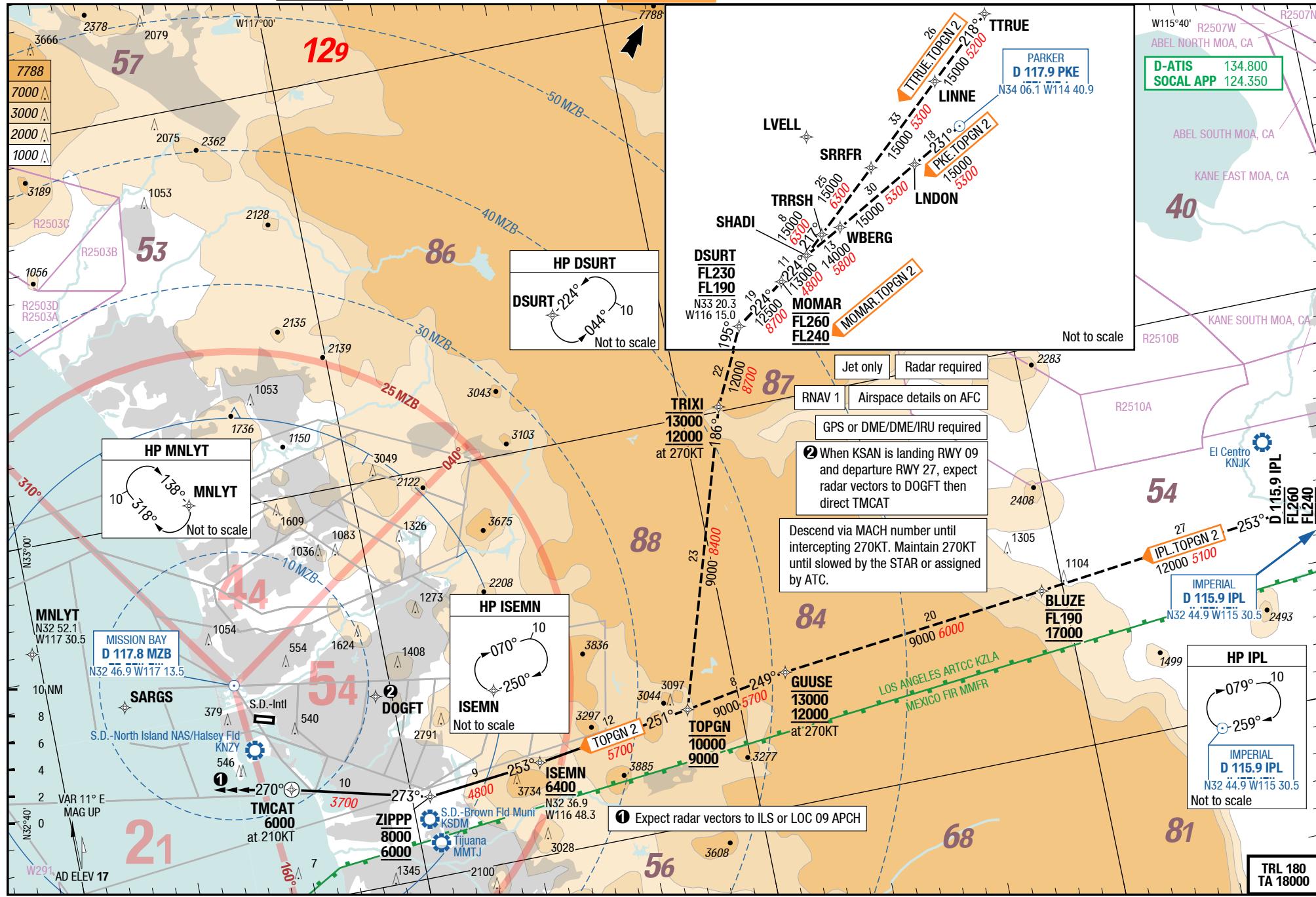
6-40

TOPGN 2 RNAV

STAR

STAR

TOPGN 2 RNAV



14-JUN-2018

## United States San Diego San Diego Intl

HUBRD 1 / SHAMU 1

STAR

STAR

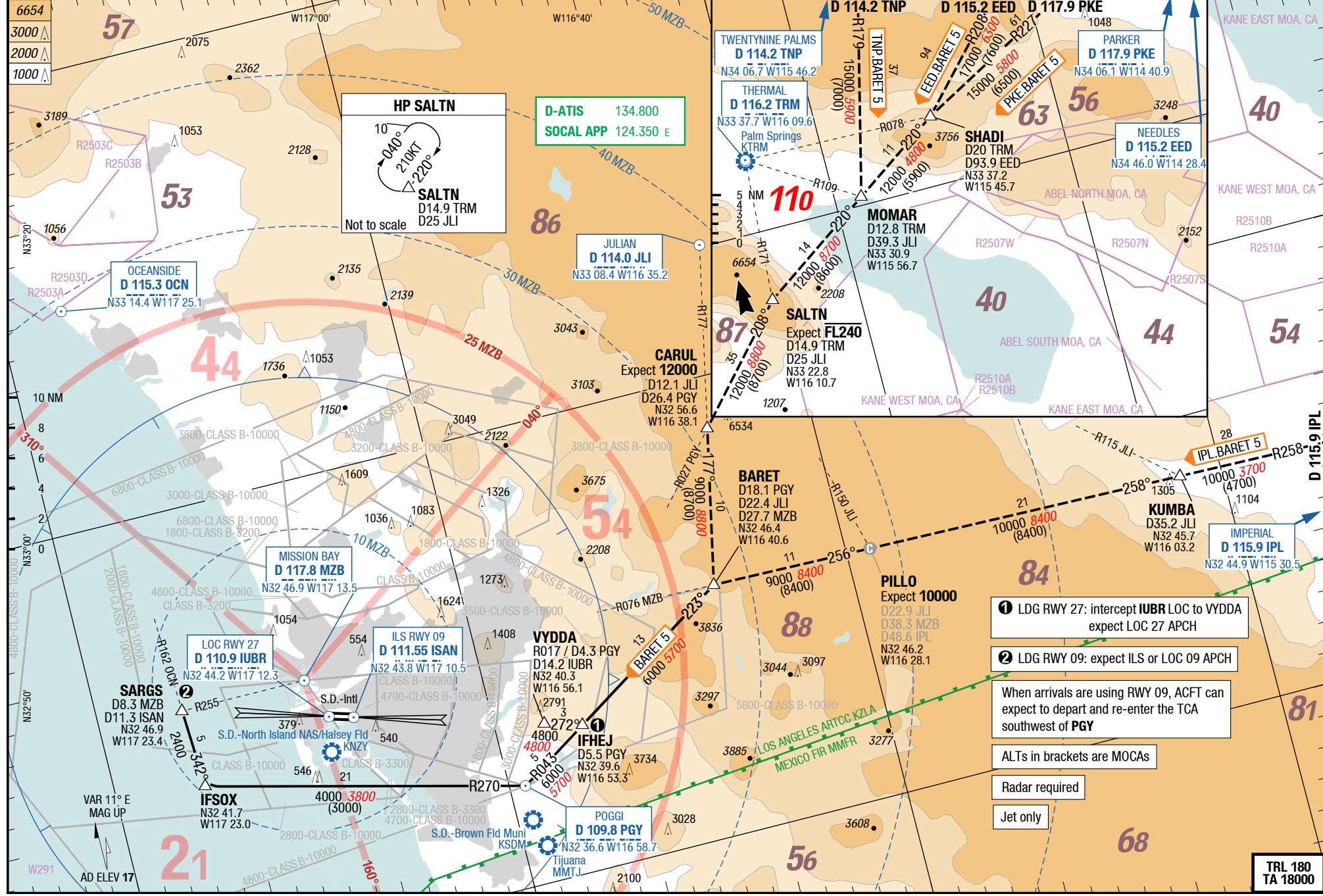
## San Diego Intl San Diego United States

HUBRD 1 / SHAMU 1

## BARET 5

SAN-KSAN

6-50



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San Diego Intl San Diego United States

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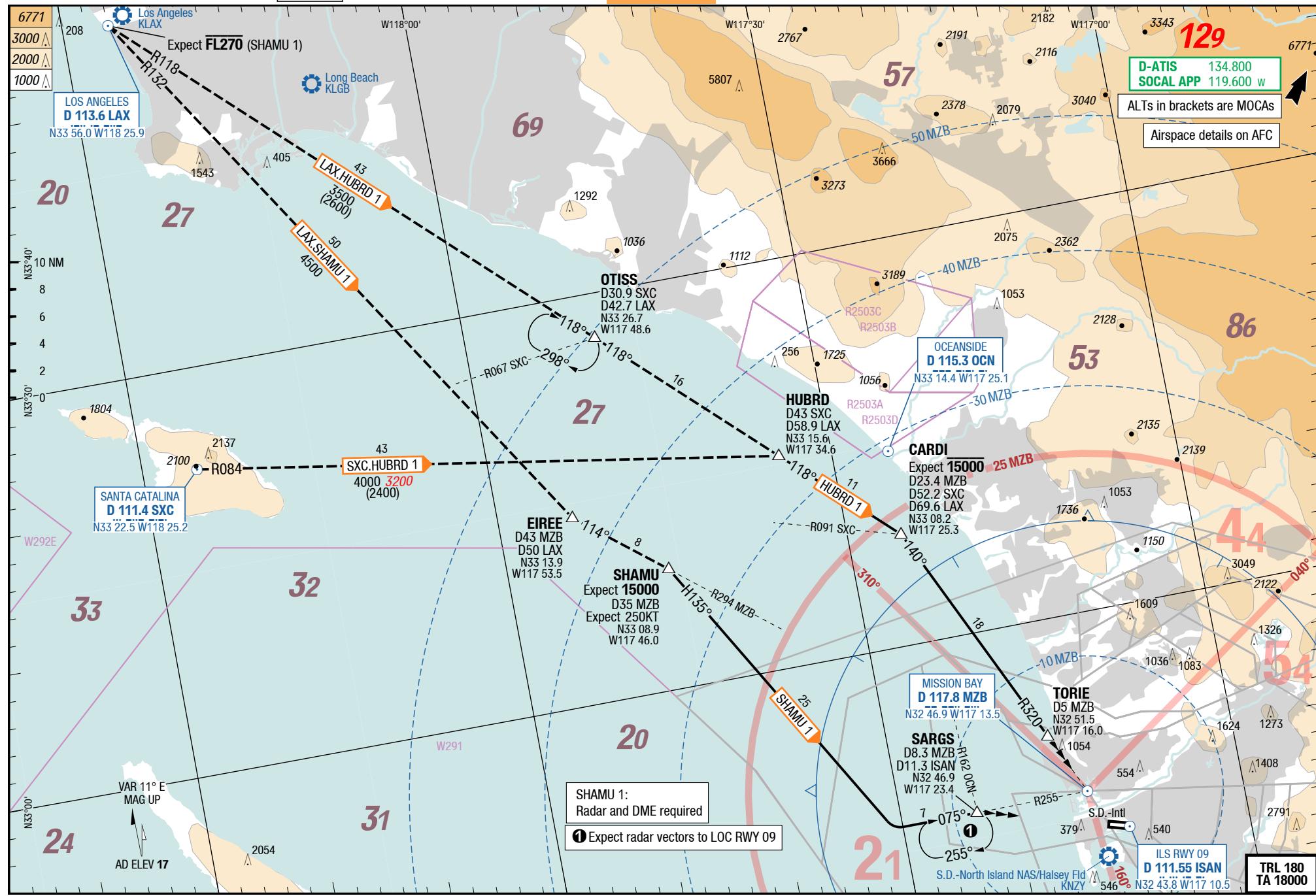
6-60

HUBRD 1 / SHAMU 1

STAR

STAR

HUBRD 1 / SHAMU 1



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22-MAR-2018

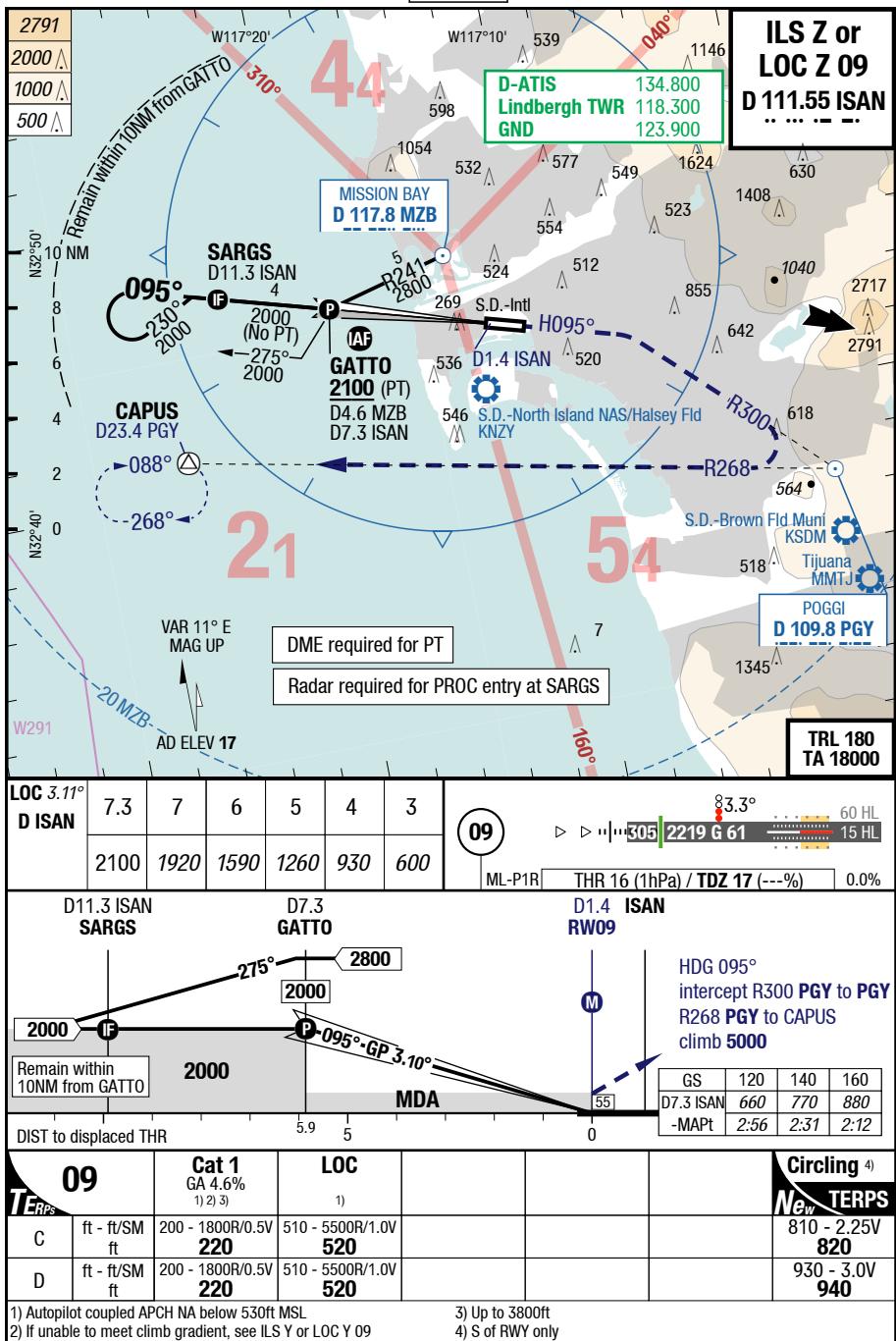
United States San Diego San Diego Intl

IAC

## SAN-KSAN

7-10

## ILS Z or LOC Z 09



Effective 29-MAR-2018  
22-MAR-2018

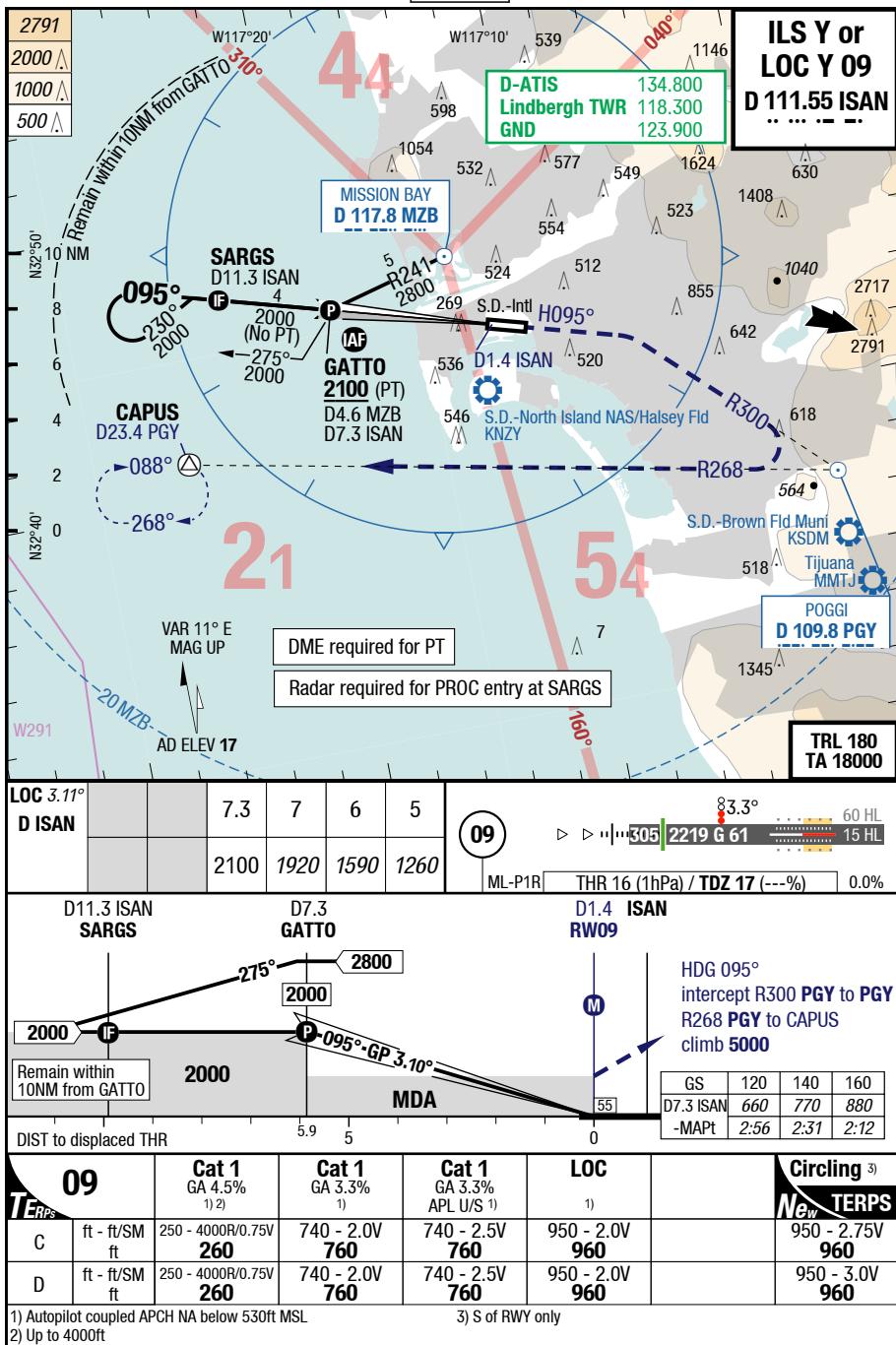
United States San Diego San Diego Intl

IAC

## SAN-KSAN

7-20

## ILS Y or LOC Y 09



Effective 29-MAR-2018

22-MAR-2018

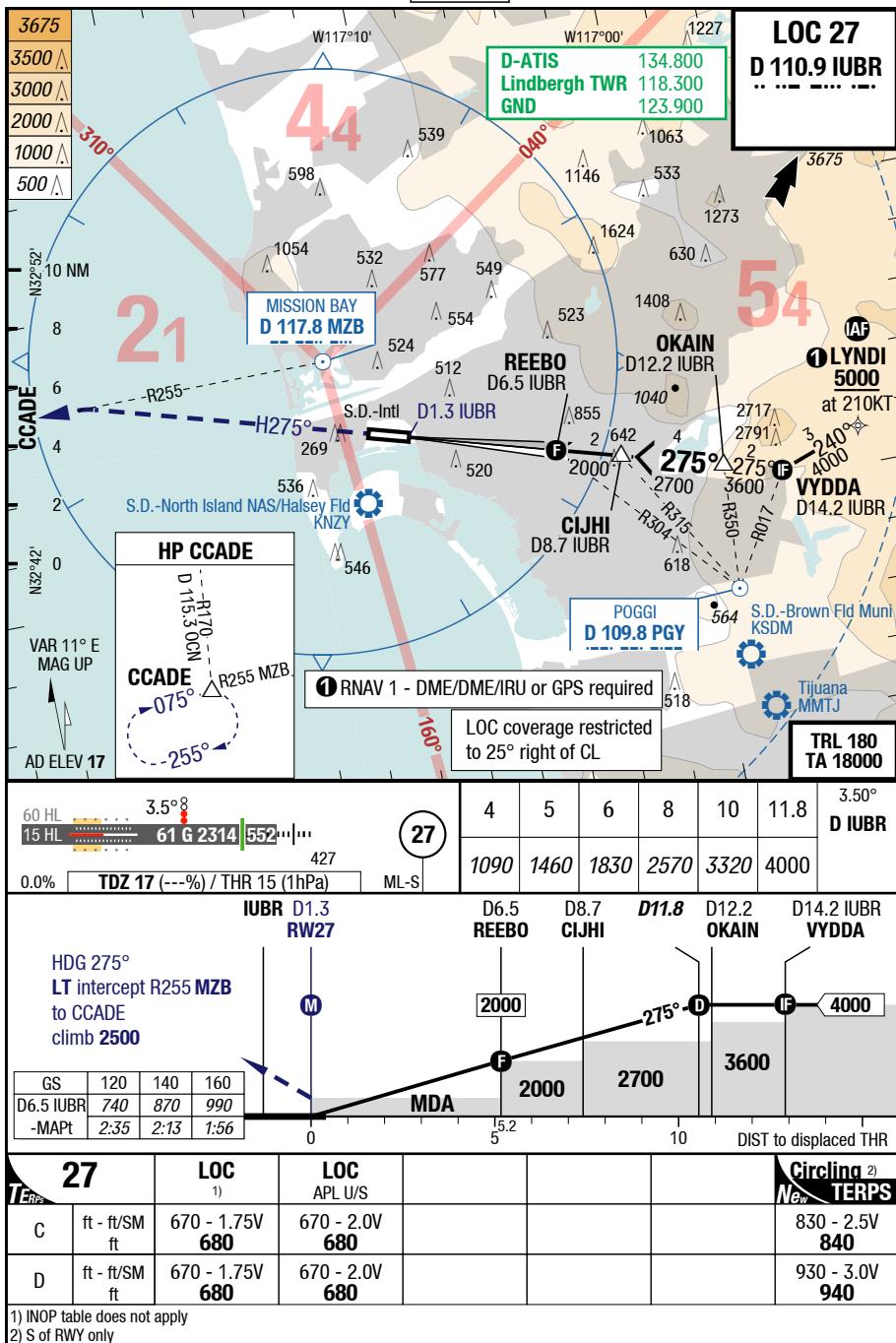
## United States San Diego San Diego Intl

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7-30

LOC 27



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22-MAR-2018

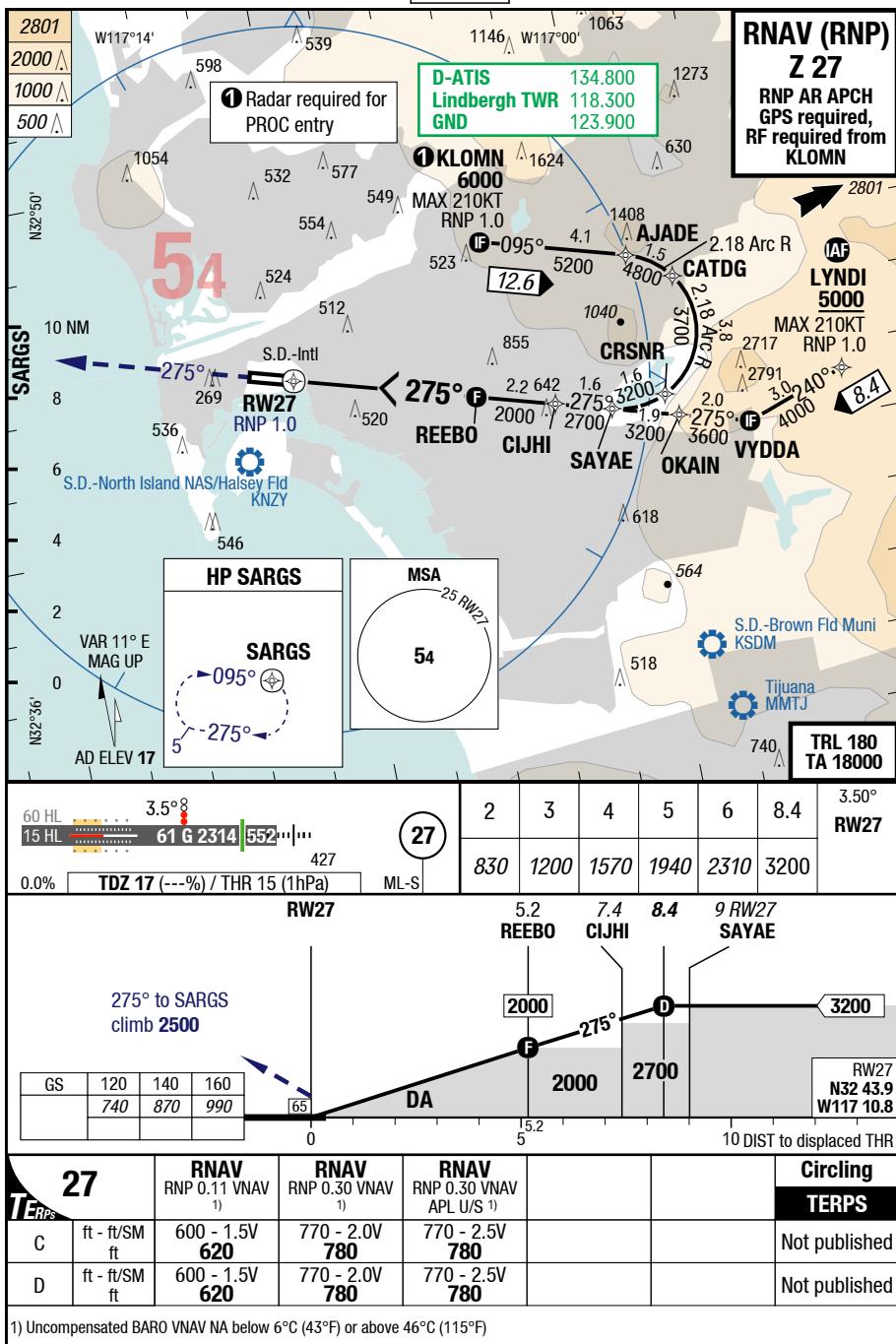
United States San Diego San Diego Intl

IAC

## SAN-KSAN

7-50

RNAV (RNP) Z 27



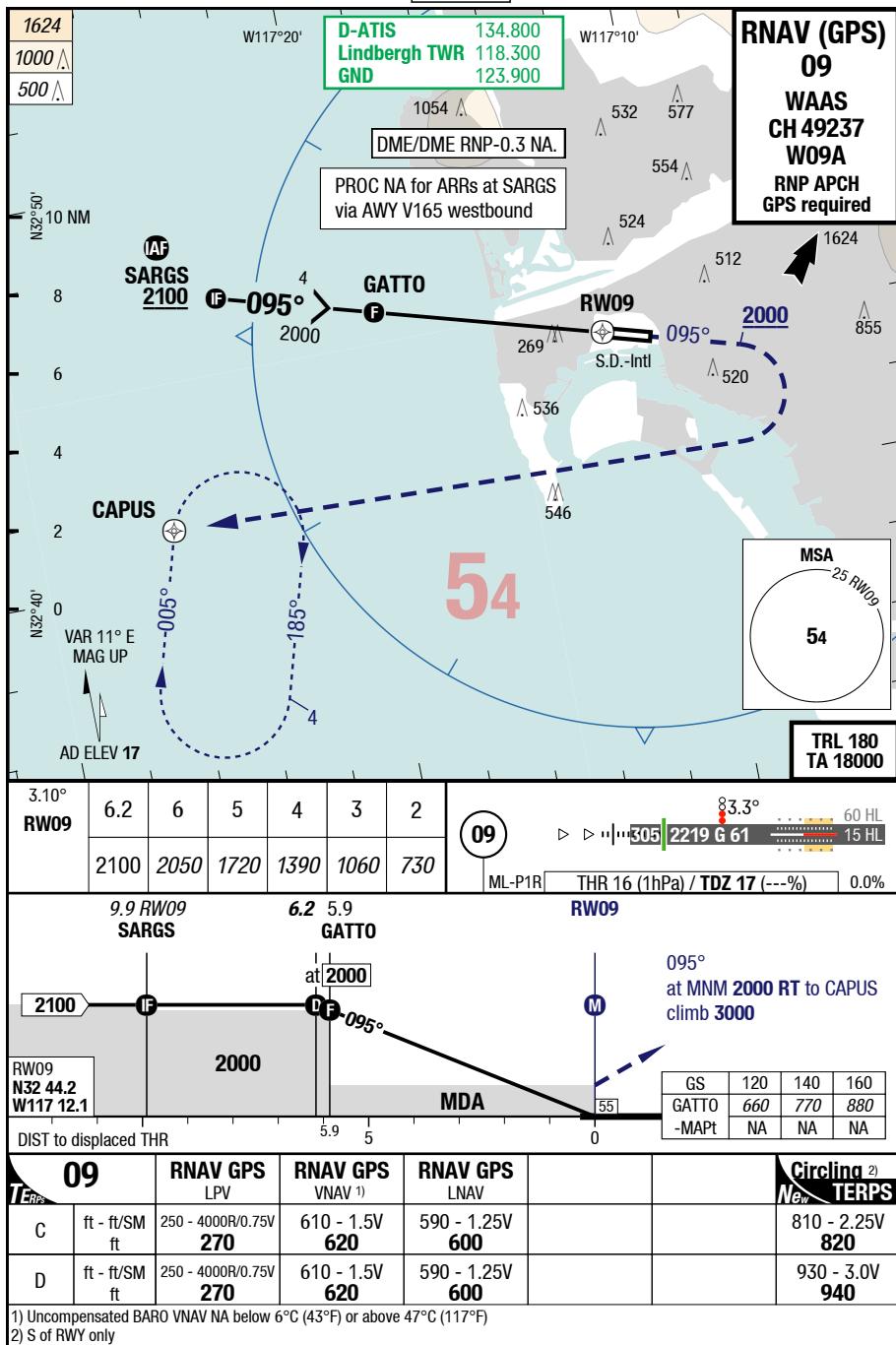
**Effective 29-MAR-2018**  
**22-MAR-2018**

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7-70

RNAV (GPS) 09



1) Uncompensated BARO VNAV NA below 6°C (43°F) or above 47°C (117°F)

2) S of RWY only

## AMDT 1A

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22-MAR-2018

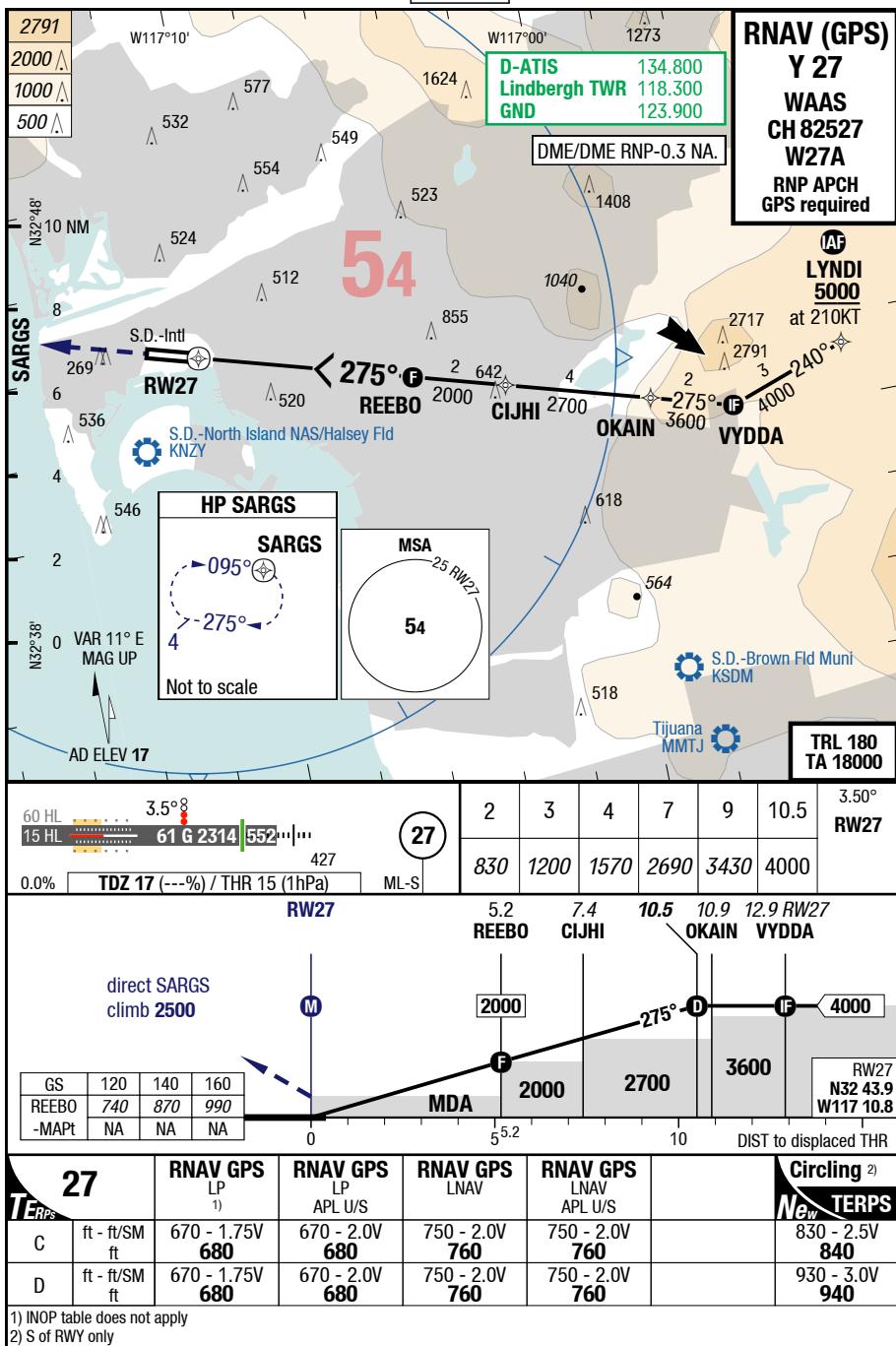
# United States San Diego San Diego Intl

IAC

## SAN-KSAN

7-80

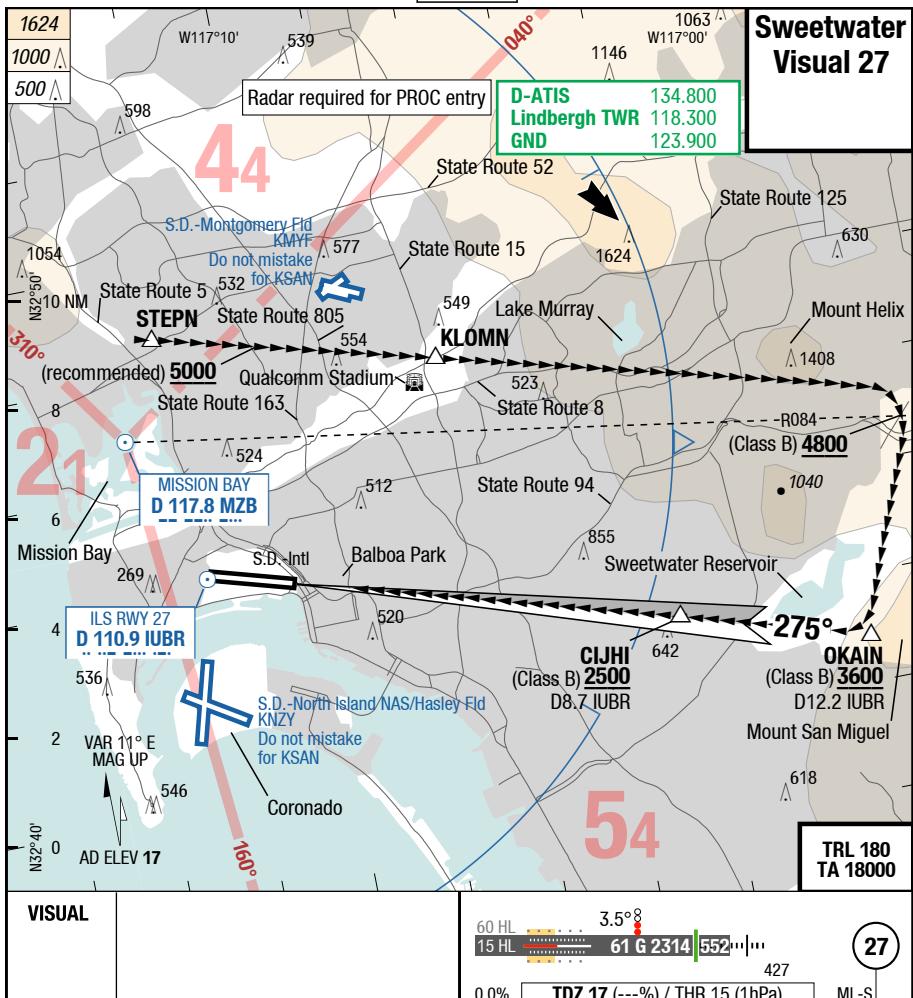
RNAV (GPS) Y 27



## SAN-KSAN

7-90

## Sweetwater Visual 27



Proceed eastbound north of Mission Bay (over STEPN) then north of Qualcomm Stadium (KLOMN), then Lake Murray, turn base after passing State Route 125 abeam Gillespie Field and west of Mount San Miguel, cross R084 MZB MNM 4800 (for Class B), intercept KSAN RWY 27 final approach course in the vicinity of Sweetwater Reservoir (be configured for a steep descent rate if turning right at State Route 125). If intercepting final approach course east of Sweetwater Reservoir, remain MNM 3600 (for Class B) until westbound abeam the eastern edge of Sweetwater Reservoir (OKAIN), at MNM 2500 (for Class B) until west of Sweetwater Reservoir (CJHI), then proceed straight into RWY 27. Missed APCH: at 900 HDG 275° - climb 3000

27		VISUAL					Circling TERPS
C	ft - ft/SM ft	C 5000 - 10.0V					Not published
D	ft - ft/SM ft	C 5000 - 10.0V					Not published