

GENERAL

Operational Hours

ATS Hours: TWR 1415-0745±

AD OPS Hours: Attended continuously

Airport Information

RFF: FAA Index C / CAT 7

Fuel: Jet A

PCN: RWY 08L/26R: 54/F/B/W/T

RWY 12/30: 62/F/A/X/T

Operation

Traffic Note

APCH lights are turned off when TWR CLSD, thereafter activation by CTAF.

When TWR CLSD, call SOCAL APP for ATC CLR.

AD not to be used as ALTN for Cargo flights since no handling facilities AVBL.

RWY Restrictions

RWY 08L/26R, RWY 08R/26L CLSD 0600-1500±.

RWY 12/30

- MAX LDG weight for A330 157t / 347000lbs; for A340, DC-10, MD11 172t / 379000lbs.
- RWY 30 MAX LDG weight prior to RWY aiming point marking 156t / 344000lbs.
- MAX TKOF weight for DC-10 30/40 and MD11 267t / 588100lbs.

TWY Restrictions

TWY D3 and L3 MAX weight limits A340, DC-10 30/40 and MD11 245t / 541000lbs.

No TWY access to RWY 08L W of TWY D, 4897ft remaining on RWY 08L from TWY D.

Hot Spots

Hot Spot No.	DESCRIPTION
HS 1	ACFT northbound on TWY B and instructed to hold short of RWY 12/30 at TWY K sometimes miss the turn onto TWY K and proceed straight ahead onto RWY 12/30 and RWY 08L/26R.
HS 2	ACFT southbound on TWY B, anticipate reaching their DEST parking ramp and fail to hold short of RWY 08R/26L.
HS 3	ACFT eastbound on TWY J instructed to taxi to RWY 26L at TWY D sometimes miss the turn onto TWY D and proceed onto RWY 12/30 without authorization.
HS 4	ACFT LDG RWY 30, be aware that this RWY crosses every other RWY at the AD. When exiting, pilots should ensure they are following a yellow, "lead-off" line onto a TWY.

Noise Abatement Procedure

The only active RWY between 0600-1500± is RWY 12/30 unless otherwise notified per NOTAM/ATC.

VOR TEST FACILITY (VOT): 113.9 (Unusable all areas except runup RWY 26L at TWY J, runup RWY 26R)

GENERAL**Warnings**

Airships operating and manoeuvring in vicinity of AD.

A laser light demonstration will be conducted nightly between sundown and 0700± 8NM south of SLI VOR/DME. The beam may be injurious to eyes if viewed within 100ft vertically and 1900ft laterally of the light source. Cockpit illumination flash blindness may occur beyond these distances.

Birds in vicinity of AD.

ARRIVAL**Speed**

MAX IAS 250KT below 10000ft.

Communication

COM Failure: See CRAR and in addition;

DSNEE

RWY 30/26R:

After MIDDS proceed on RNAV (RNP) RWY 30 or ILS RWY 30 APCH.

RWY 12:

After BREKE proceed on the RNAV (RNP) RWY 12 APCH.

If unable APCH, after MIDDS/BREKE climb to 4000ft direct SLI VOR/DME and hold.

ROOBY

RWY 30:

After ROYYC intercept and proceed on the RNAV (RNP) RWY 30 or ILS RWY 30 APCH.

RWY 12:

After ROYYC maintain 3000ft and proceed direct BREKE then on RNAV (RNP) RWY 12 APCH.

If unable APCH to LGB climb to 4000ft direct SLI VOR/DME and hold.

BAUBB RNAV, PCIFC RNAV

RWY 30/26R:

After ALBAS proceed on RNAV (RNP) Y RWY 30 or ILS or LOC RWY 30 APCH.

RWY 12:

After BREKE proceed on the RNAV (RNP) RWY 12 APCH.

If unable APCH to LGB, after ALBAS/BREKE climb to 4000ft direct SLI VOR/DME and hold.

ARRIVAL

Arrival Procedure

VFR Traffic Pattern: RWY 26R, 08R right hand circuit.

Land And Hold Short Operation (LAHSO)

These OPS include LDG and hold short of an intersection RWY/TWY or other predetermined points on the RWY other than RWY or TWY marked with (*).

LDG RWY	Hold Short Point (HSP)	Distance
RWY 26R	RWY 12/30	1036m / 3400ft
RWY 30	RWY 26R/08L	1783m / 5850ft
RWY 08R	RWY 12/30	1186m / 3890ft
RWY 12	RWY 08R/26L	1445m / 4740ft

Non-standard GP intercept position on RWY 30

GP intercepts RWY 30 at 337m / 1107ft after landing threshold.

Remaining DIST beyond GP is 1923m / 6307ft.

DEPARTURE

Take-off Minima

RWY		30	
1+2 ENG	ft - ft/SM	0 - 5000R/1.0V	SID TOPMM:
3+4 ENG		0 - 2400R/0.5V	MNM climb gradient 4.7% up to 600
RWY		12	
1+2 ENG	ft - ft/SM	0 - 1.0V	-
3+4 ENG		0 - 0.5V	
RWY		08L, 08R	
1+2 ENG	ft - ft/SM	0 - 1.0V	-
3+4 ENG		0 - 0.5V	
All ACFT		Not authorized	SID FRITR, SID TOPMM, SID ZOOMM
RWY		26L	
1+2 ENG	ft - ft/SM	0 - 1.0V	MNM climb gradient 3.7% up to 2300
3+4 ENG		0 - 0.5V	
All ACFT		Not authorized	SID FRITR, SID TOPMM, SID ZOOMM
RWY		26R	
1+2 ENG	ft - ft/SM	0 - 1.0V	MNM climb gradient 3.8% up to 2300
3+4 ENG		0 - 0.5V	SID FRITR, SID ZOOMM:
			MNM climb gradient 3.8% up to 1600
3+4 ENG	0 - 0.5V	SID TOPMM:	
		MNM climb gradient 4.5% up to 600	

LGB-KLGB

1-40

A01

A01

DEPARTURE

Speed

MAX IAS 250KT below 10000ft.

Communication

COM Failure: See CRAR.

Departure Procedure

Noise Abatement Procedure

Use full length of RWY when able. No intersection DEP are permitted between 0600-1500±.

Effective 13-SEP-2018

06-SEP-2018

LGB-KLGB

United States Long Beach Long Beach/Daugherty Fld

AGC

AFC

AFC

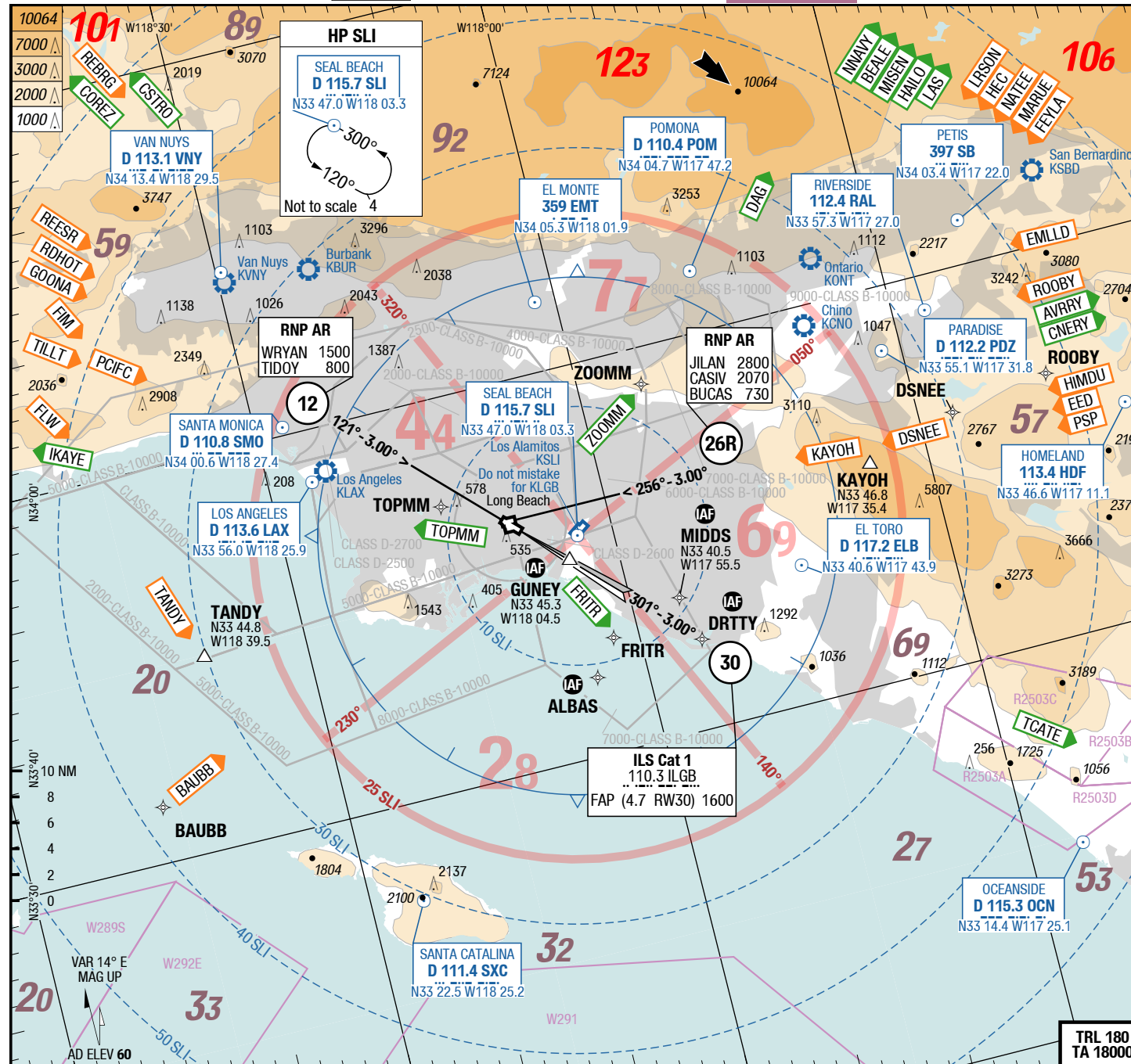
AFC

Long Beach/Daugherty Fld Long Beach United States

AGC

AFC

2-10



ATIS 127.750 ASOS

SOCAL APP

125.350
133.850
127.400
134.000

SOCAL DEP

127.200
125.350
134.900

TWR

119.400 1415-0745± RWY 30
APP, RWY 12 DEP
120.500 1415-0745± RWY 12
APP, RWY 30 DEP

CTAF

119.400 ARCAL

UNICOM

122.950

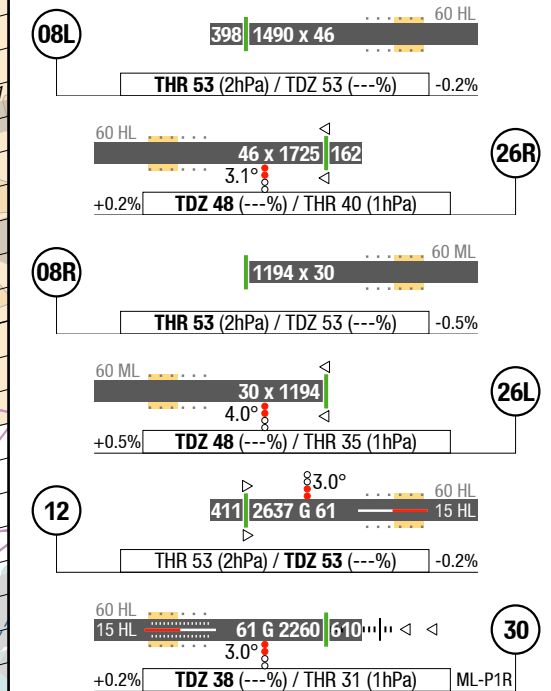
GND

133.000

DLV

118.150

Landing RWY system:

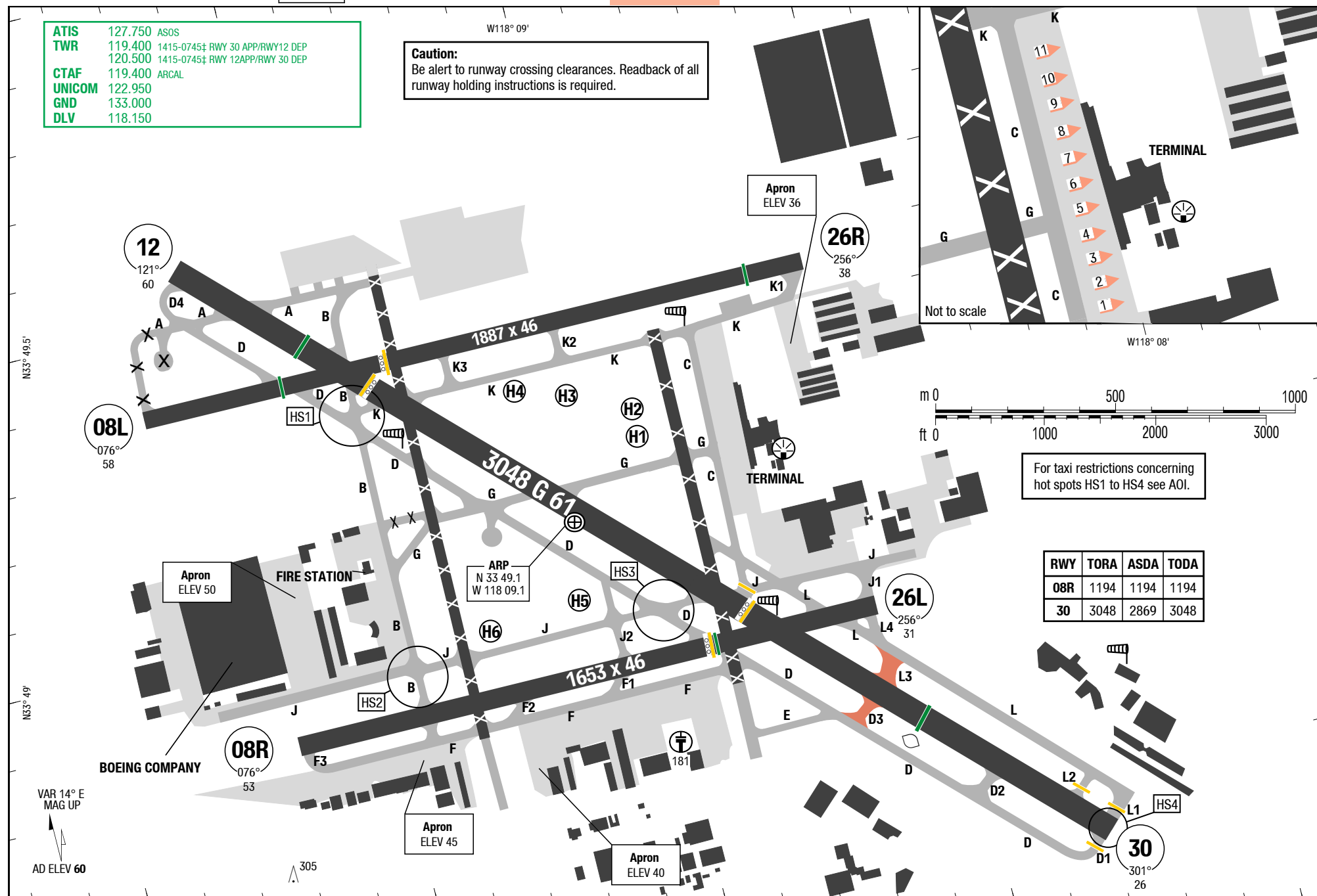


Changes: PROC

ATIS 127.750 ASOS
TWR 119.400 1415-0745± RWY 30 APP/RWY12 DEP
 120.500 1415-0745± RWY 12APP/RWY 30 DEP
CTAF 119.400 ARCAL
UNICOM 122.950
GND 133.000
DLV 118.150

Caution:

Be alert to runway crossing clearances. Readback of all runway holding instructions is required.



For taxi restrictions concerning hot spots HS1 to HS4 see AOl.

RWY	TORA	ASDA	TODA
08R	1194	1194	1194
30	3048	2869	3048

13-SEP-2018/UFW

06-SEP-2018

LGB-KLGB

United States Long Beach Long Beach/Daugherty Fld

NIL

AGC

AGC

Long Beach/Daugherty Fld Long Beach United States

NIL

Tempo AGC

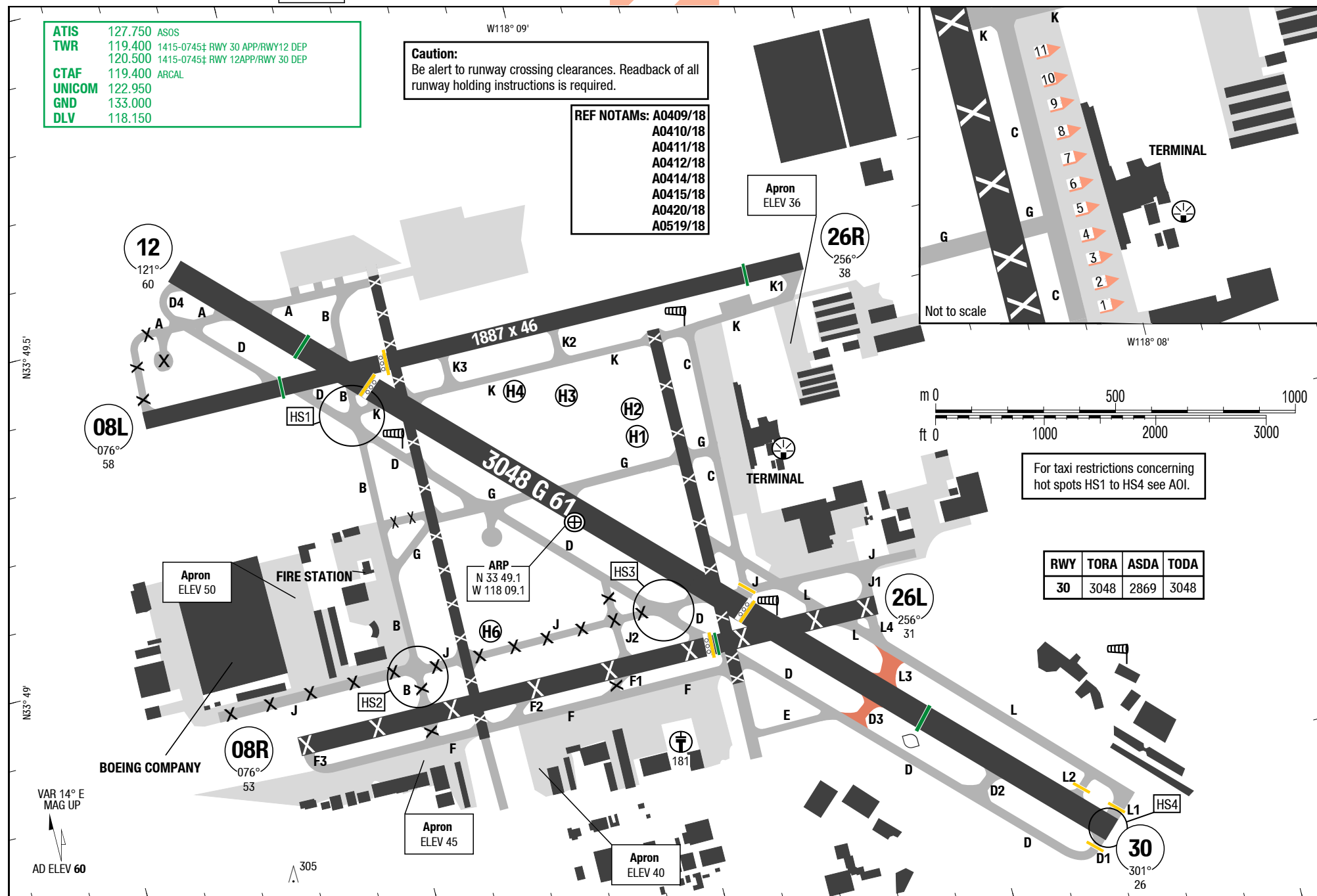
3-21

Tempo AGC

ATIS 127.750 ASOS
TWR 119.400 1415-0745± RWY 30 APP/RWY12 DEP
120.500 1415-0745± RWY 12APP/RWY 30 DEP
CTAF 119.400 ARCAL
UNICOM 122.950
GND 133.000
DLV 118.150

Caution:
Be alert to runway crossing clearances. Readback of all runway holding instructions is required.

REF NOTAMS: A0409/18
A0410/18
A0411/18
A0412/18
A0414/18
A0415/18
A0420/18
A0519/18



For taxi restrictions concerning hot spots HS1 to HS4 see AOI.

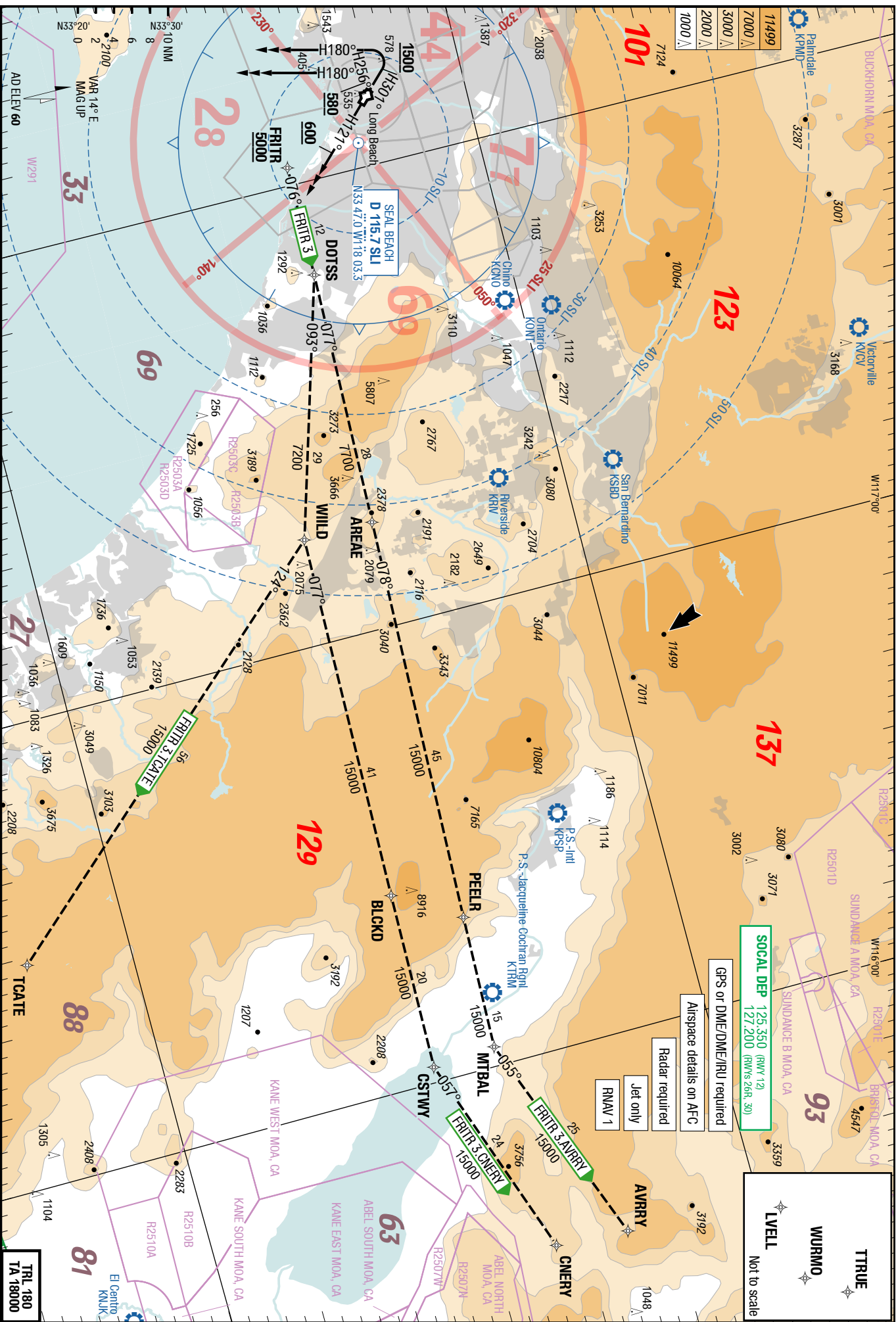
RWY	TORA	ASDA	TODA
30	3048	2869	3048

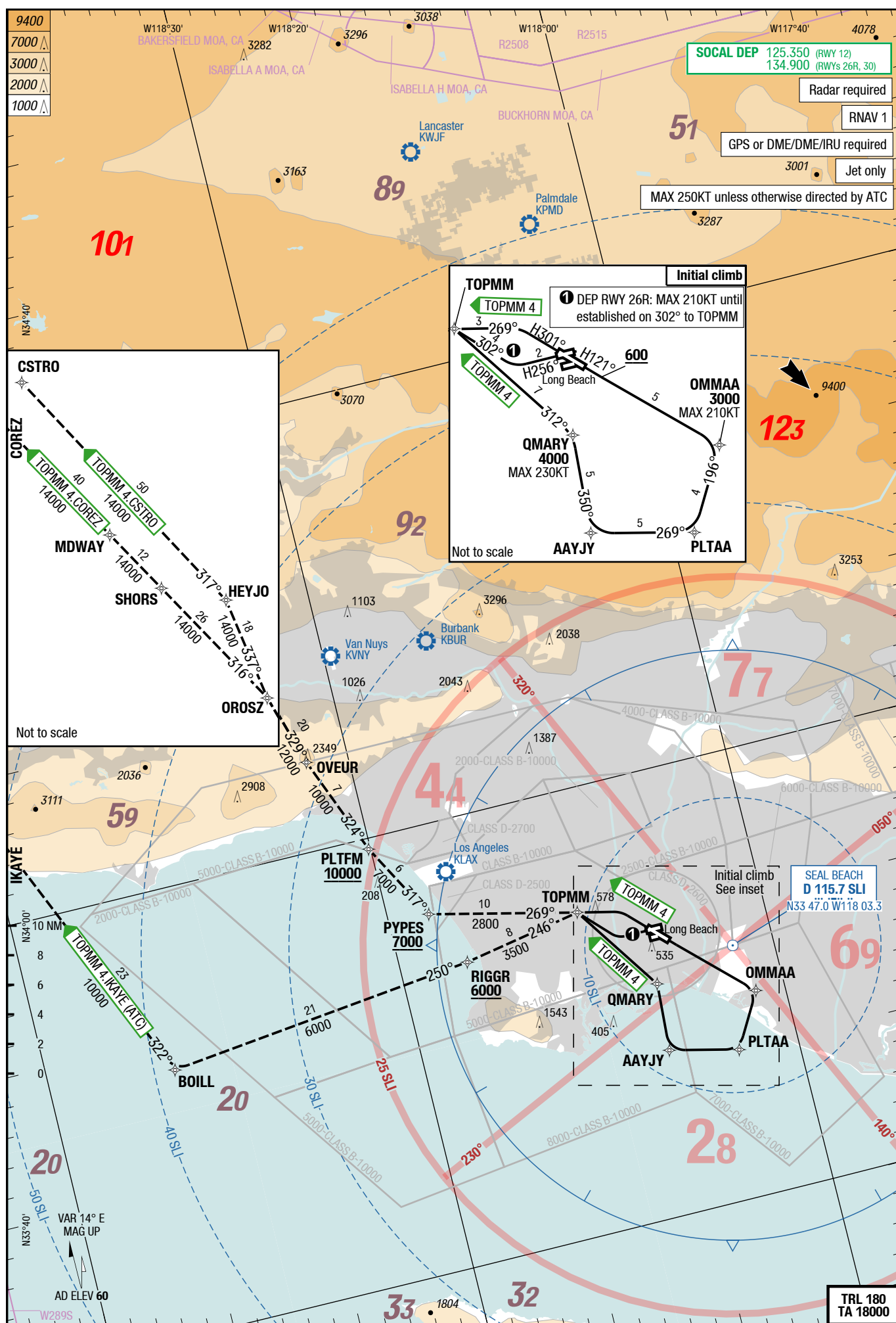
Changes: Note

Long Beach/Daugherty Fld **Long Beach** United States

TOPMM 4 RNAV

FRITR 3 RNAV





Effective 13-SEP-2018

06-SEP-2018

LGB-KLGB

United States Long Beach Long Beach/Daugherty Fld

NIL

4-30

ZOOMM 2 RNAV

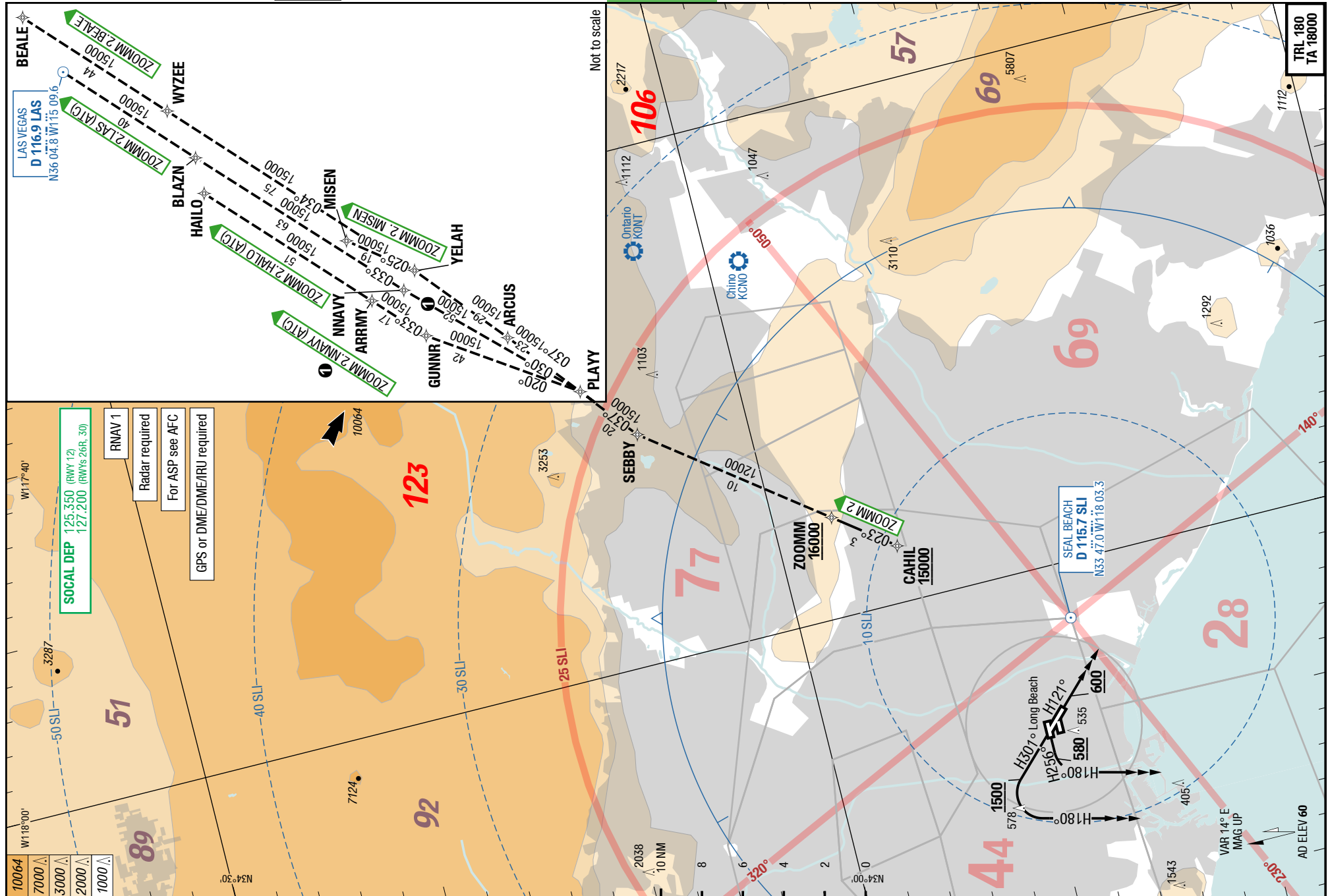
SID

SID

Long Beach/Daugherty Fld Long Beach United States

NIL

ZOOMM 2 RNAV



LGB-KLGB

5-10

FRITR 3 RNAV

FRITR 3

RWYs 12 (121°) / 26R (256°) / 30 (301°)

DESIGNATOR	ROUTING	ALTITUDES
FRITR 3 (Jet only) ①		FRITR MNM 5000 initial climb 17000
RWY 12 125.230	H121° [A600+] - H121° expect VECTORS - DCT FRITR - DOTSS	
RWY 26R 127.200	H256° [A580+] - H180° expect VECTORS - DCT FRITR - DOTSS	
RWY 30 127.200	H301° [A1500+ ;L] - H180° expect VECTORS - DCT FRITR - DOTSS	
	TRANSITION	
	AVRRY DOTSS - AREAE - PEELR - MTBAL - AVRRY	
	CNERY DOTSS - WIILD - BLCKD - CSTWY - CNERY	
	TCATE DOTSS - WIILD - TCATE	

① Expect filed altitude 10 MIN after departure.

LGB-KLGB

5-20

TOPMM 4 RNAV

TOPMM 4

RWYs 12 (121°) / 26R (256°) / 30 (301°)

DESIGNATOR	ROUTING	ALTITUDES
TOPMM 4 (Jet only) ①②③		
RWY 12 125.350	H121° [A600+] - DCT OMMAA [K210-] - PLTAA - AAYJY - QMARY [K230-] - TOPMM	OMMAA at 3000 QMARY at 4000
RWY 26R 134.900	H256° INTCPT [K210-] - 302° TOPMM	
RWY 30 134.900	H301° INTCPT - 269° TOPMM	
TRANSITION		
COREZ TOPMM - PYPES - PLTFM - OVEUR - OROSZ - SHORS - MDWAY - COREZ		PYPES MNM 7000 PLTFM MNM 10000 initial climb 15000
CSTRO TOPMM - PYPES - PLTFM - OVEUR - OROSZ - HEYJO - CSTRO		PYPES MNM 7000 PLTFM MNM 10000 initial climb 15000
IKAYE (ATC) TOPMM - RIGGR - BOILL - IKAYE		RIGGR MNM 6000 initial climb 12000

- ① Some DEP may be vectored to OROSZ when required for TFC
- ② Expect filed ALT 10 min after DEP
- ③ Maintain MAX 250KT or as directed by ATC.

LGB-KLGB

5-30

ZOOMM 2 RNAV

ZOOMM 2

RWYs 12 (121°) / 26R (256°) / 30 (301°)

DESIGNATOR	ROUTING	ALTITUDES
ZOOMM 2 ①		CAHIL MNM 15000 ZOOMM MNM 16000 initial climb 17000 (Jet) initial climb 16000 (Prop)
RWY 12 125.350	H121° [A600+] - H121° expect VECTORS - DCT CAHIL - ZOOMM	
RWY 26R 127.200	H256° [A580+] - H180° expect VECTORS - DCT CAHIL - ZOOMM	
RWY 30 127.200	H301° [A1500+ ;L] - H180° expect VECTORS - DCT CAHIL - ZOOMM	
	TRANSITION	
	BEALE ZOOMM - SEBBY - PLAYY - ARCUS - YELAH - WYZEE - BEALE	ZOOMM MNM 16000
	HAILO (ATC) ZOOMM - SEBBY - PLAYY - GUNNR - ARRMV - HAILO	ZOOMM MNM 16000
	LAS VEGAS (LAS) (ATC) ZOOMM - SEBBY - PLAYY - NNAVY - BLAZN - LAS	ZOOMM MNM 16000
	MISEN ZOOMM - SEBBY - PLAYY - ARCUS - YELAH - MISEN	ZOOMM MNM 16000
	NNAVY (ATC) ZOOMM - SEBBY - PLAYY - NNAVY	ZOOMM MNM 16000

① Expect filed altitude 10 minutes after departure.

Obstacle Departure	
RWY	Routing
08L / 08R	Climb HDG 076° - at 800 RT direct SLI - R210 SLI to PADDR.
12	Climb HDG 121° - intercept R210 SLI to PADDR.
26L / 26R	Climb HDG 256° - at 800 LT HDG 200° intercept R145 LAX to PADDR.
30	Climb HDG 301° - at 800 LT HDG 200° intercept R145 LAX to PADDR.
RWY	Notes
08L	Vehicles on road 1ft from DER, 272ft left of centerline, 52ft MSL. Pole 10ft from DER, 489ft left of centerline, 27ft AGL/66ft MSL. Building, tree, vehicles on road, and poles beginning 63ft from DER, 15ft left of centerline, up to 41ft AGL/77ft MSL. Vehicles on road 121ft from DER, 278ft right of centerline, 52ft MSL. Building and vehicles on road beginning 193ft from DER, 2ft right of centerline, up to 53ft MSL. Buildings, vehicles on road, poles, and trees beginning 440ft from DER, 13ft left of centerline, up to 43ft AGL/79ft MSL. Building and tree beginning 514ft from DER, 13ft right of centerline, up to 67ft MSL. Building, poles, and trees beginning 590ft from DER, 47ft right of centerline, up to 73ft MSL. Tree 716ft from DER, 20ft right of centerline, 34ft AGL/76 MSL. Trees beginning 769ft from DER, 36ft right of centerline, up to 80ft AGL/116ft MSL. Building and trees beginning 1088ft from DER, 22ft left of centerline, up to 52ft AGL/89ft MSL. Trees beginning 1789ft from DER, 280ft right of centerline, up to 83ft AGL/118ft MSL. Trees beginning 2102ft from DER, 180ft left of centerline, up to 60ft AGL/98ft MSL. Tree 2399ft from DER, 612ft left of centerline, 112ft MSL. Trees beginning 2427ft from DER, 101ft left of centerline, up to 123ft MSL. Trees beginning 2739ft from DER, 711ft right of centerline, up to 121ft MSL.
08R	Wind indicator 715ft from DER, 227ft left of centerline, 21ft AGL/54ft MSL. Tower 746ft from DER, 566ft right of centerline, 26ft AGL/58ft MSL. Building 1038ft from DER, 575ft left of centerline, 39ft AGL/73ft MSL. Buildings beginning 1126ft from DER, 570ft left of centerline, up to 76ft MSL. Building beginning 1528ft from DER, 902ft left of centerline, up to 58ft AGL/90ft MSL. Tree 2755ft from DER, 1058ft right of centerline, 93ft AGL/110ft MSL. Buildings beginning 2978ft from DER, 803ft right of centerline, up to 85ft AGL/118ft MSL. Buildings beginning 3038ft from DER, 903ft right of centerline, up to 90ft AGL/120ft MSL. Buildings beginning 3500ft from DER, 1095ft right of centerline, up to 133ft AGL/162ft MSL. Buildings beginning 3651ft from DER, 1203ft right of centerline, up to 145ft AGL/163ft MSL.

Obstacle Departure	
RWY	Notes
12	Vehicles on road beginning 5ft from DER, 432ft right of centerline, up to 39ft MSL. Pole and trees beginning 474ft from DER, 619ft left of centerline, up to 53ft MSL. Tree 678ft from DER, 659ft right of centerline, 60ft MSL. Trees beginning 981ft from DER, 127ft right of centerline, up to 89ft AGL/92ft MSL. General utility, poles, and trees beginning 990ft from DER, 334ft left of centerline, up to 71ft MSL. Trees beginning 1341ft from DER, 361ft left of centerline, up to 50ft AGL/72ft MSL. Tree 2055ft from DER, 890ft left of centerline, 82ft MSL. Trees beginning 2332ft from DER, 470ft left of centerline, up to 81ft AGL/101ft MSL. Tree 2553ft from DER, 762ft left of centerline, 83ft AGL/103ft MSL. Tree 2918ft from DER, 1249ft right of centerline, 99ft MSL. Tree 3004ft from DER, 1205ft left of centerline, 109ft MSL. Spire 3095ft from DER, 1181ft right of centerline, 98ft AGL/118ft MSL. Tree 3394ft from DER, 1063ft left of centerline, 95ft AGL/121ft MSL.
26L	Buildings beginning 110ft from DER, 505ft left of centerline, up to 81ft MSL. Pole 227ft from DER, 554ft left of centerline, 87ft MSL. Buildings beginning 261ft from DER, 520ft right of centerline, up to 73ft MSL. Trees and poles beginning 482ft from DER, 369ft left of centerline, up to 93ft MSL. Building 722ft from DER, 672ft right of centerline, 122ft MSL. Building and sign beginning 1040ft from DER, 235ft left of centerline, up to 118ft MSL. Building 1112ft from DER, 745ft left of centerline, 123ft MSL. Buildings, poles, stack, tower, and trees beginning 1149ft from DER, 96ft right of centerline, up to 105ft AGL/163ft MSL. Trees, buildings, sign, poles, transmission line, and tower beginning 1161ft from DER, 123ft left of centerline, up to 88ft AGL/153ft MSL. Tree 3909ft from DER, 1450ft left of centerline, 161ft MSL. Pole 4520ft from DER, 1646ft left of centerline, 175ft MSL.

LGB-KLGB

5-70

Obstacle Departure 3

Obstacle Departure	
RWY	Notes
26R	<p>Vehicles on road and pole beginning 9ft from DER, 276ft left of centerline, up to 72ft MSL. Vehicles on road beginning 95ft from DER, 165ft right of centerline, up to 78ft MSL. Vehicles on road 109ft from DER, 467ft left of centerline, 73ft MSL. Vehicles on road 192ft from DER, 374ft left of centerline, 76ft MSL. Vehicles on road beginning 237ft from DER, 289ft left of centerline, up to 77ft MSL. Trees, buildings, vehicles on road, and poles beginning 241ft from DER, 5ft right of centerline, up to 97ft MSL. Poles and vehicles on road beginning 320ft from DER, 195ft left of centerline, up to 34ft AGL/95ft MSL. Poles and vehicles on road beginning 475ft from DER, 15ft left of centerline, up to 96ft MSL. Tree, poles, vehicles on road, and buildings beginning 612ft from DER, 52ft left of centerline, up to 97ft MSL. Trees, buildings, and poles beginning 622ft from DER, on centerline, up to 59ft AGL/122ft MSL. Signs, poles, and trees beginning 1151ft from DER, 7ft left of centerline, up to 77ft AGL/139ft MSL. Trees and poles beginning 1262ft from DER, on centerline, up to 65ft AGL/124ft MSL. Trees and poles beginning 1306ft from DER, 76ft right of centerline, up to 84ft AGL/144ft MSL. Trees beginning 1886ft from DER, 33ft right of centerline, up to 147ft MSL. Trees beginning 2604ft from DER, 303ft right of centerline, up to 78ft AGL/150ft MSL. Trees beginning 2918ft from DER, 7ft right of centerline, up to 82ft AGL/156ft MSL. Trees beginning 3536ft from DER, 69ft left of centerline, up to 73ft AGL/154ft MSL. Building 3955ft from DER, 1343ft right of centerline, 173ft MSL. Building 1NM from DER, 963ft right of centerline, 154ft AGL/243ft MSL. Buildings beginning 1.1NM from DER, 935ft right of centerline, up to 156ft AGL/248ft MSL. Building 1.2NM from DER, 651ft right of centerline, 157ft AGL/259ft MSL.</p>

Obstacle Departure

RWY	Notes
30	<p>Vehicles on road 15ft from DER, 480ft right of centerline, 74ft MSL. Vehicles on road 190ft from DER, 456ft right of centerline, 75ft MSL. Pole and vehicles on road beginning 193ft from DER, on centerline, up to 34ft AGL/93ft MSL. Building 350ft from DER, 554ft left of centerline, 18ft AGL/82ft MSL. Building and vehicles on road beginning 440ft from DER, 25ft left of centerline, up to 21ft AGL/86ft MSL. Pole, building, and vehicles on road beginning 678ft from DER, 17ft left of centerline, up to 22ft AGL/89ft MSL. Tree and poles beginning 878ft from DER, 122ft left of centerline, up to 92ft MSL. Pole 953ft from DER, 564ft right of centerline, 94ft MSL. Poles beginning 983ft from DER, 516ft left of centerline, up to 25ft AGL/93ft MSL. Pole and tree beginning 1009ft from DER, 69ft left of centerline, up to 33ft AGL/101ft MSL. Terrain, tree, poles, vehicles on road beginning 1024ft from DER, 8ft left of centerline, up to 33ft AGL/102ft MSL. Poles and trees beginning 1057ft from DER, 23ft right of centerline, up to 102ft MSL. Terrain, building, poles, and trees beginning 1207ft from DER, 63ft left of centerline, up to 66ft AGL/133ft MSL. Poles and buildings beginning 1302ft from DER, 52ft right of centerline, up to 35ft AGL/103ft MSL. Poles beginning 1472ft from DER, 294ft right of centerline, up to 36ft AGL/105ft MSL. Trees beginning 1614ft from DER, 103ft right of centerline, up to 44ft AGL/112ft MSL. Tree 1701ft from DER, 363ft right of centerline, 121ft MSL. Trees beginning 1874ft from DER, 196ft right of centerline, up to 57ft AGL/125ft MSL. Trees and poles beginning 2183ft from DER, 169ft left of centerline, up to 134ft MSL. Building 2520ft from DER, 776ft right of centerline, 128ft MSL. Building 2617ft from DER, 802ft right of centerline, 66ft AGL/139ft MSL. Trees beginning 2738ft from DER, 417ft left of centerline, up to 142ft MSL. Poles beginning 2992ft from DER, 311ft right of centerline, up to 72ft AGL/145ft MSL. Tree 3379ft from DER, 839ft right of centerline, 150ft MSL. Tree 3528ft from DER, 1000ft left of centerline, 160ft MSL. Tree 3643ft from DER, 1074ft left of centerline, 166ft MSL. Trees beginning 3769ft from DER, 873ft left of centerline, up to 174ft MSL. Tree 3779ft from DER, 1222ft right of centerline, 158ft MSL.</p>

LGB-KLGB

United States **Long Beach** Long Beach/Daugherty Fld

DSNEE 4 RNAV

BAUBB 1 RNAV

STAR

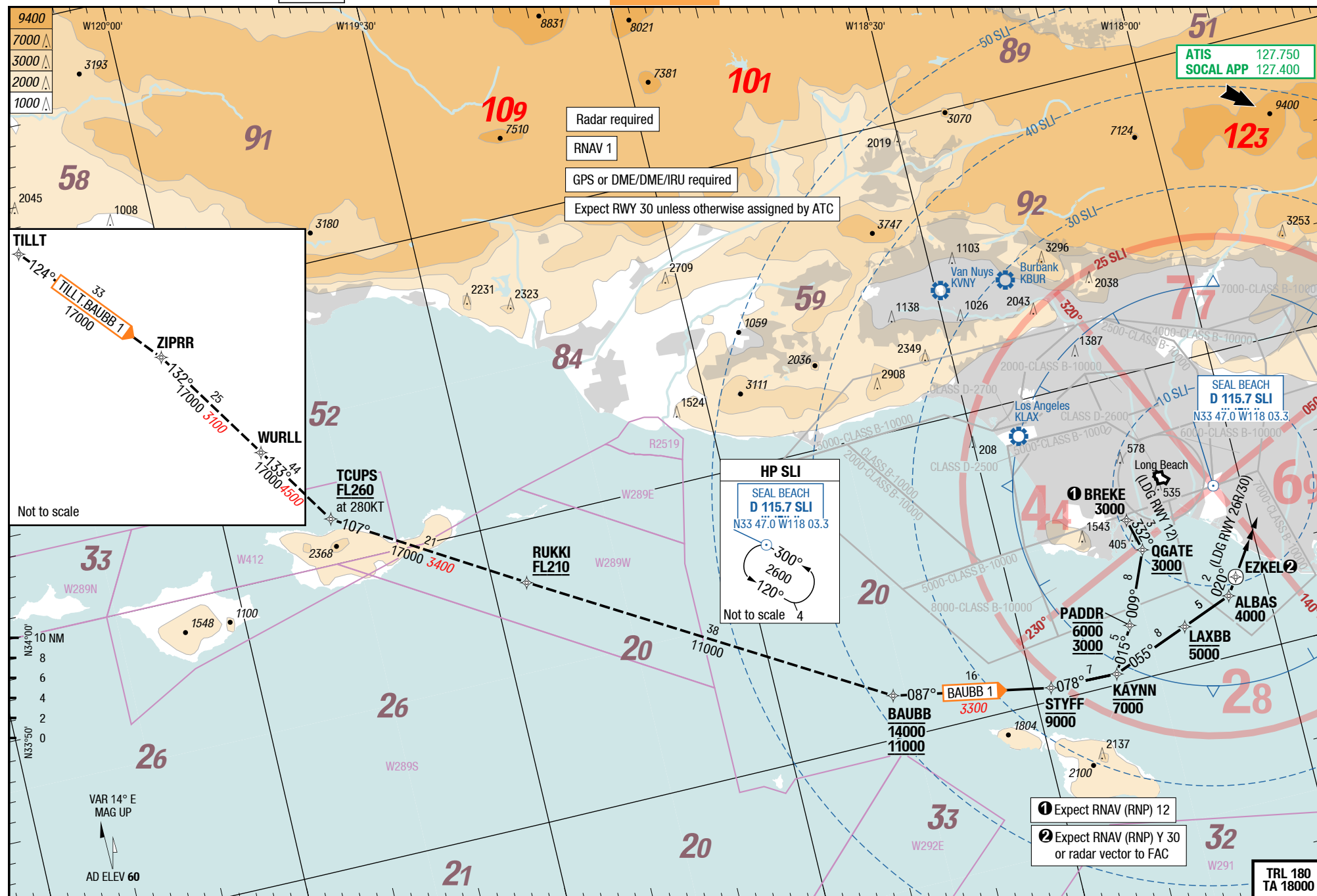
STAR

Long Beach/Daugherty Fld **Long Beach** United States

DSNEE 4 RNAV

BAUBB 1 RNAV

6-10



Changes: MSA, RWY Designator, Note, OBST

LGB-KLGB

United States **Long Beach** Long Beach/Daugherty Fld

STAR

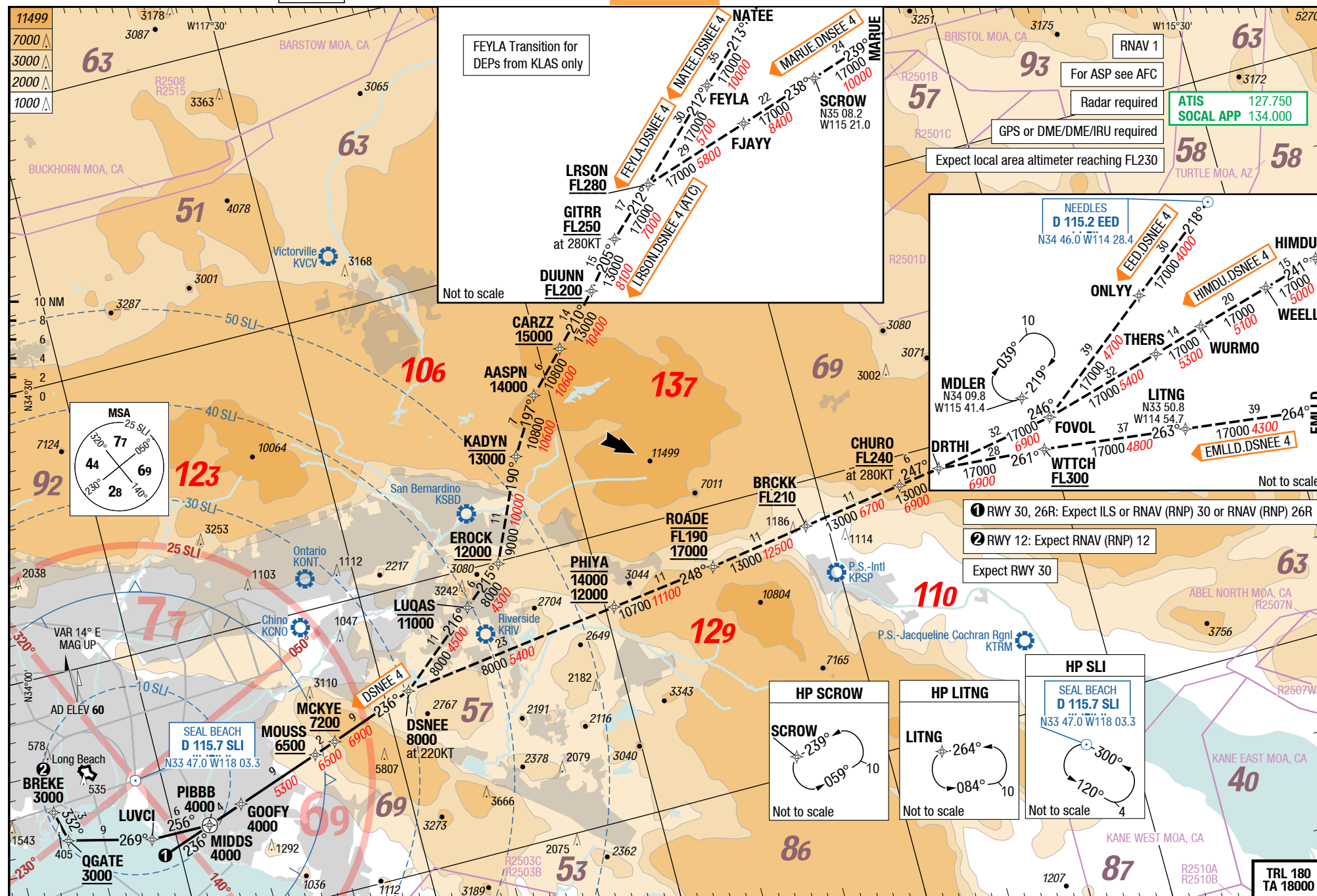
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DSNEE 4 RNAV

DSNEE 4 RNAV

6-20



Changes: RWY Designator, MSA, Track, Note, PROC renumbered

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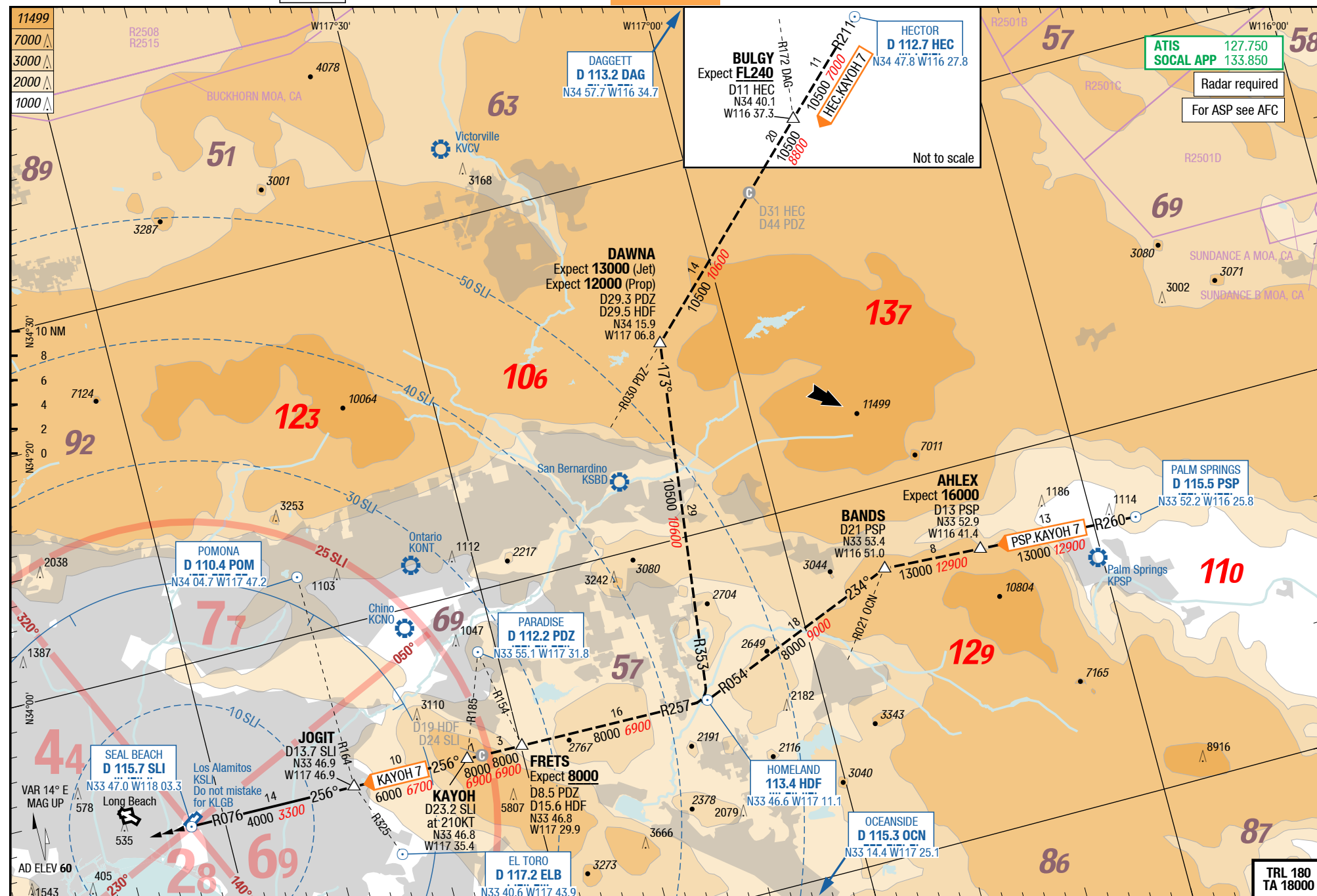
LGB-KLGB

KAYOH 7

STAR

STAR

KAYOH 7



Changes: MSA, SUAs

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12-JUL-2018

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STAR

STAR

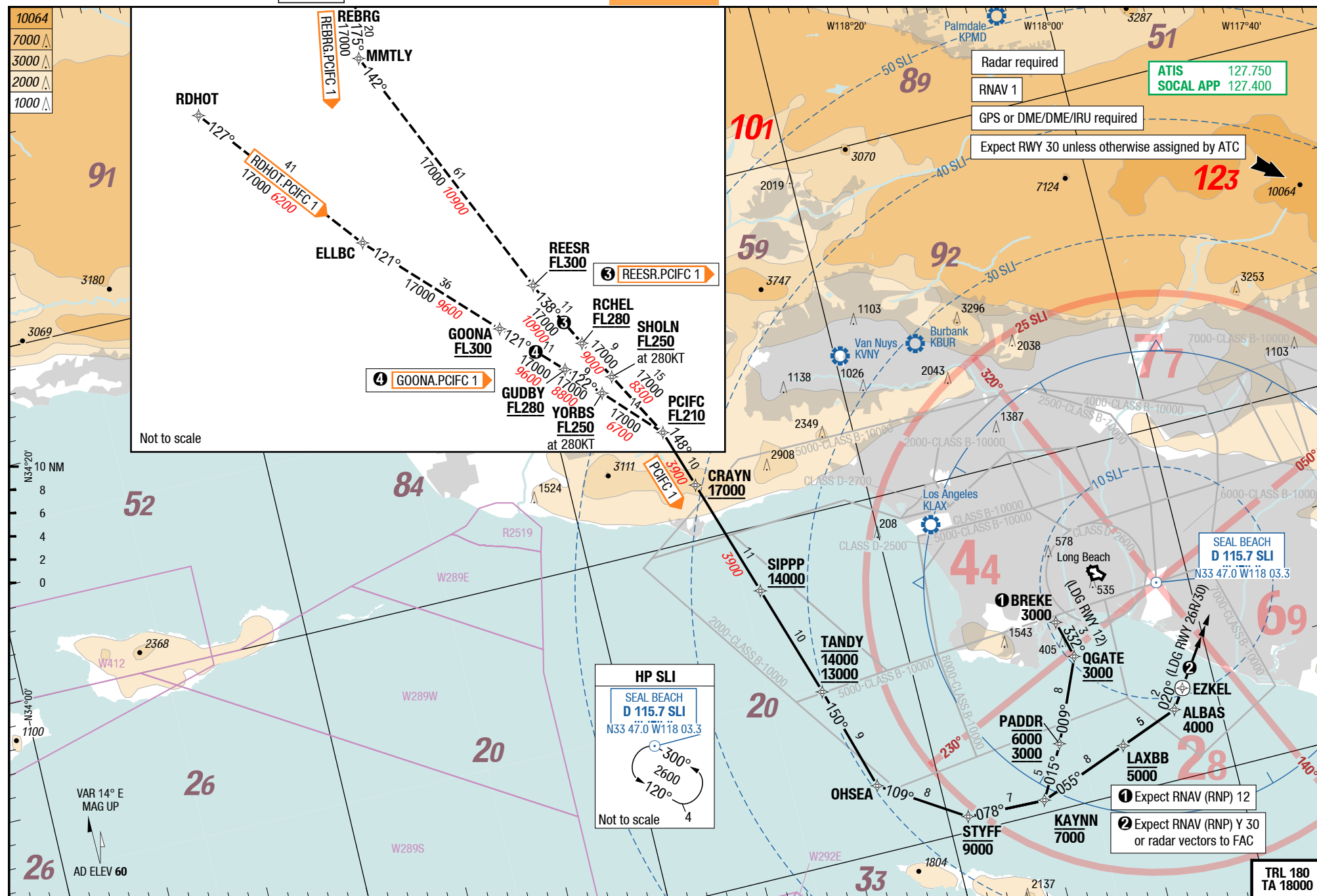
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LGB-KLGB

6-40

PCIFC 1 RNAV

PCIFC 1 RNAV



Changes: MSA, RWY Designator, OBST, Note

Effective 19-JUL-2018

12-JUL-2018

LGB-KLGB

United States Long Beach Long Beach/Daugherty Fld

TANDY 4

6-50

ROOBY 3 RNAV

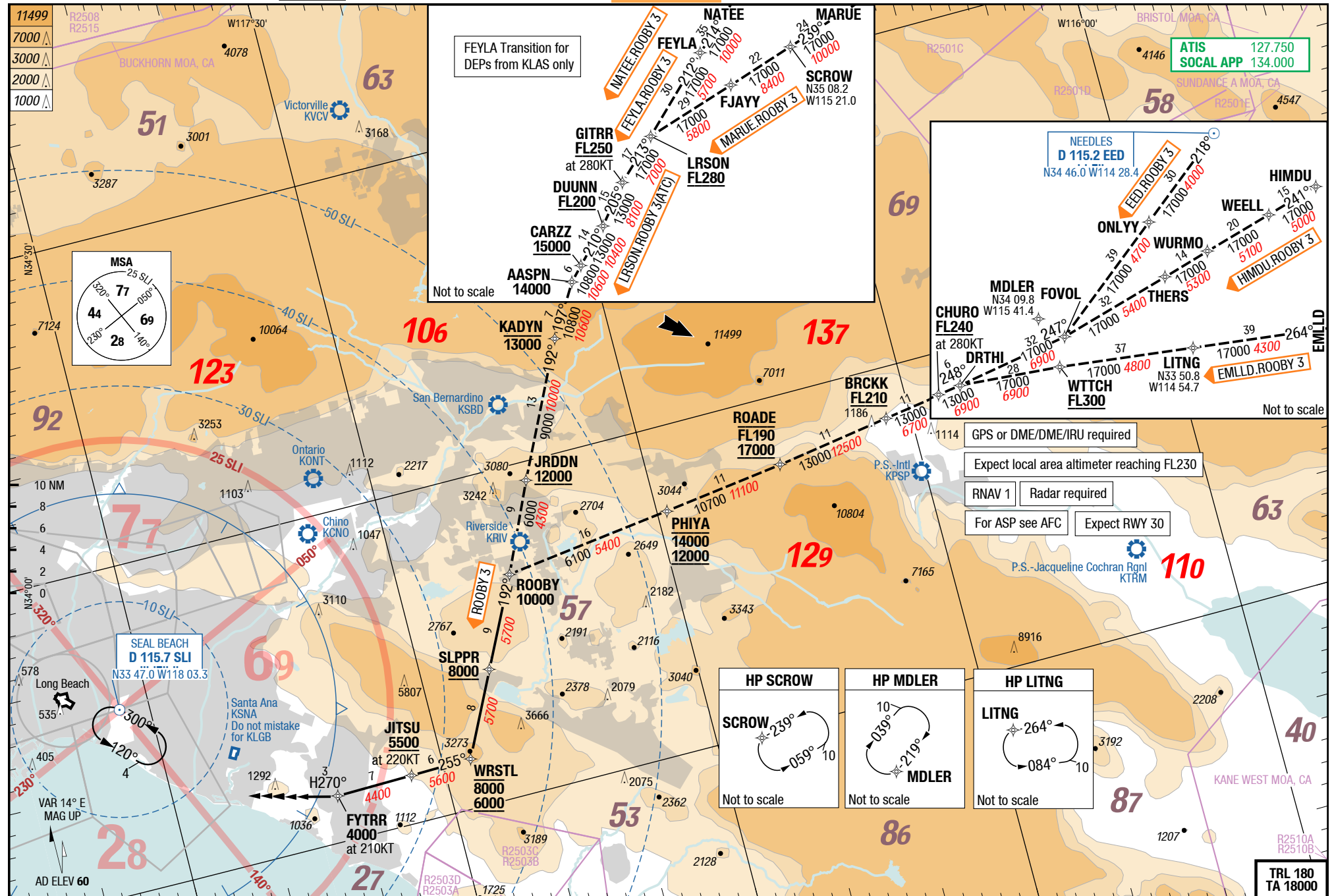
STAR

STAR

Long Beach/Daugherty Fld Long Beach United States

TANDY 4

ROOBY 3 RNAV



Changes: MSA, Note, SUAs, Editorial

Effective 19-JUL-2018

12-JUL-2018

LGB-KLGB

United States Long Beach Long Beach/Daugherty Fld

STAR

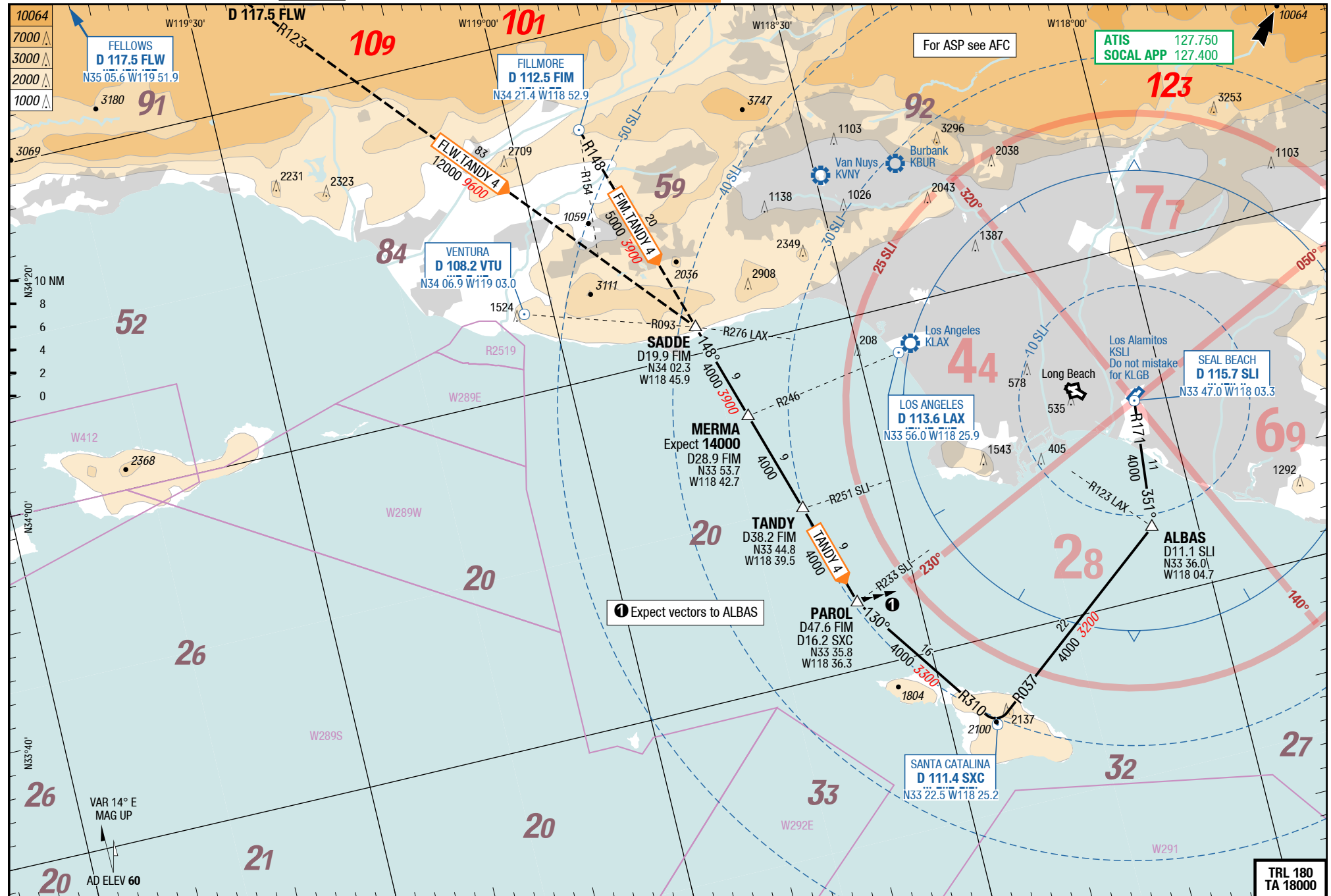
STAR

Long Beach/Daugherty Fld Long Beach United States

6-60

TANDY 4

TANDY 4

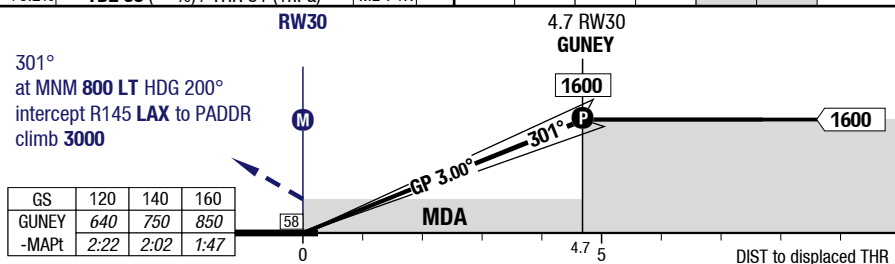
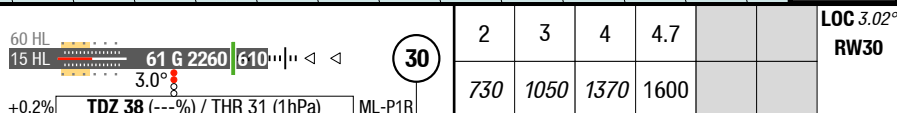
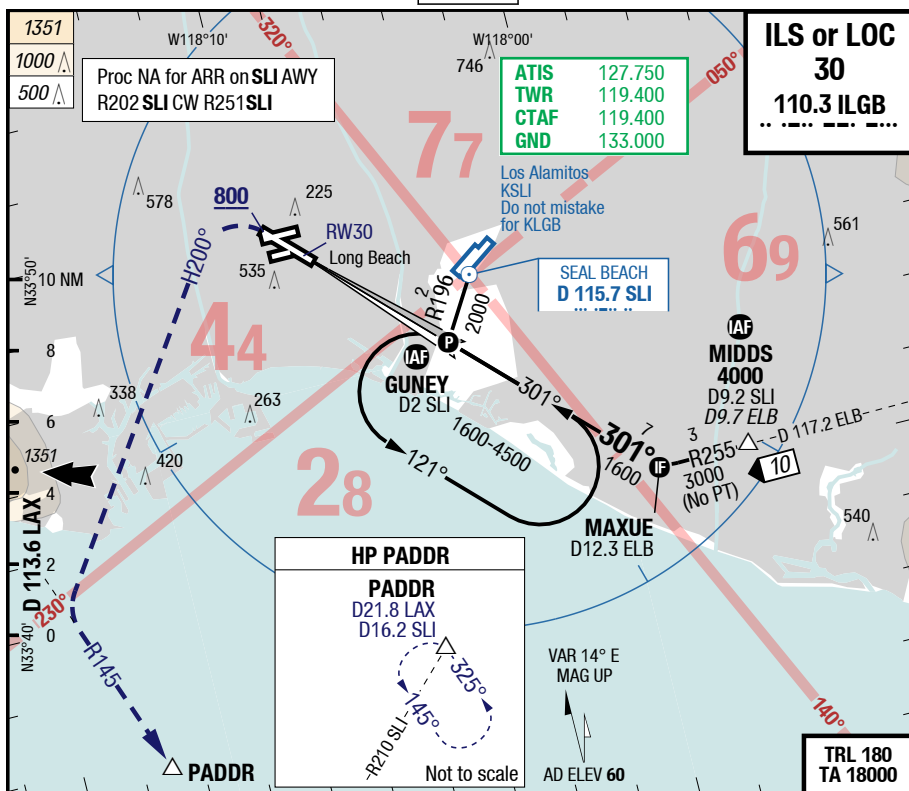


Changes: MSA, OBST

LGB-KLGB

7-10

ILS or LOC 30

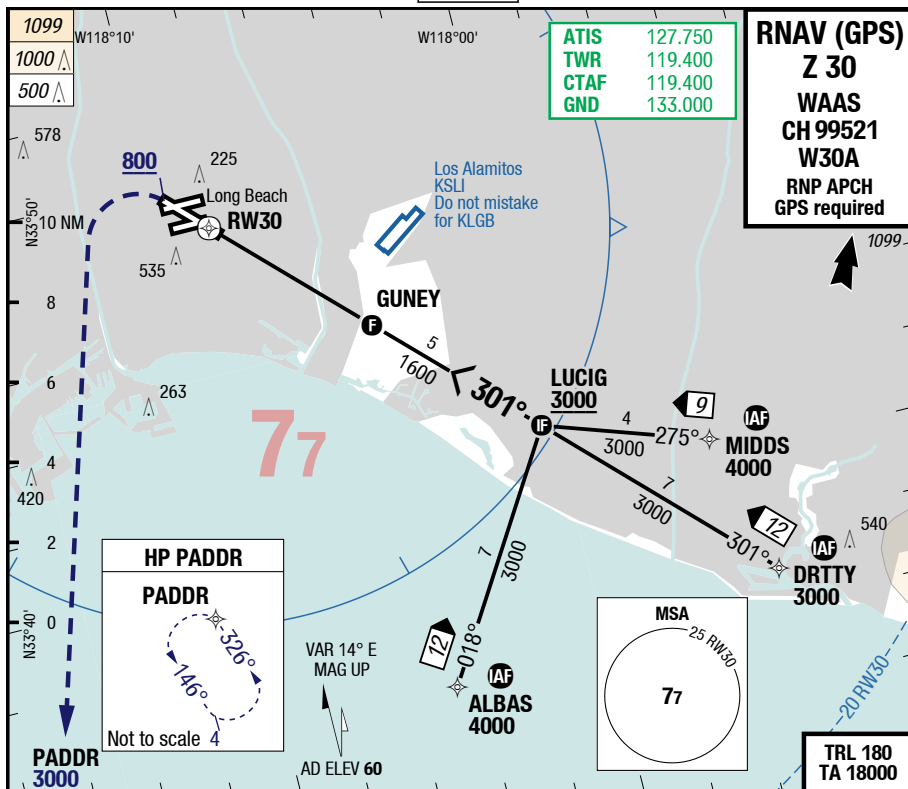


30		Cat 1	LOC	Circling	
T_{Enr}				TERPS	
C	ft - ft/SM ft	220 - 1800R/0.5V 260	490 - 5000R/1.0V 520	780 - 2.25V 840	
D	ft - ft/SM ft	220 - 1800R/0.5V 260	490 - 5000R/1.0V 520	780 - 2.5V 840	

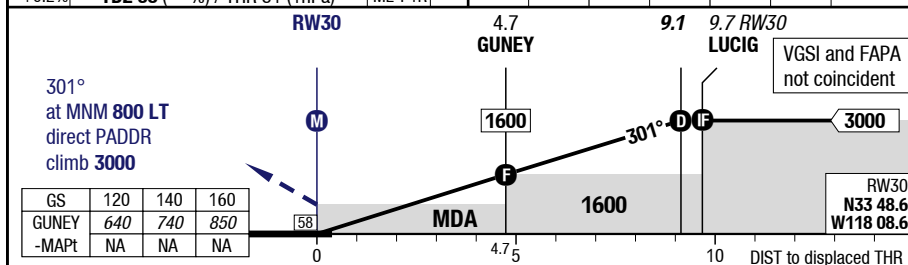
LGB-KLGB

7-30

RNAV (GPS) Z 30



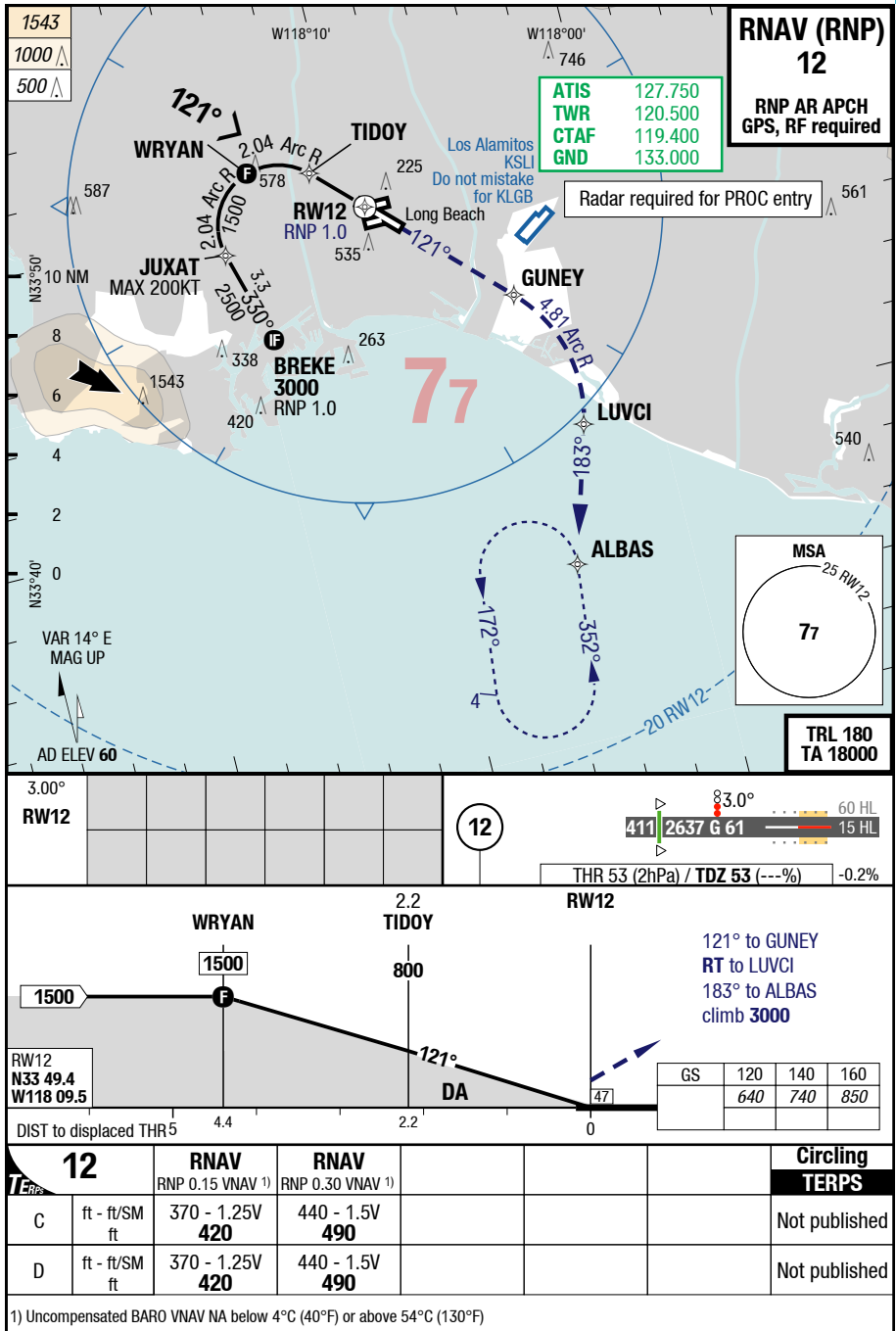
60 HL	61 G 2260	610	30	3	4	5	6	7	9.1	3.00°
15 HL	3.0°			1050	1370	1690	2000	2320	3000	RW30
+0.2%	TDZ 38 (---%) / THR 31 (1hPa)	ML-P1R								



TERPS	30	RNAV GPS LPV	RNAV GPS VNAV 1)	RNAV GPS VNAV APL U/S 1)	RNAV GPS LNAV	RNAV GPS LNAV APL U/S	Circling
C	ft - ft/SM ft	250 - 2400R/0.5V 290	630 - 1.75V 670	630 - 2.5V 670	790 - 1.75V 820	790 - 2.5V 820	820 - 2.5V 880
D	ft - ft/SM ft	250 - 2400R/0.5V 290	630 - 1.75V 670	630 - 2.5V 670	790 - 1.75V 820	790 - 2.5V 820	820 - 2.75V 880

1) Uncompensated BARO VNAV NA below 4°C (40°F) or above 54°C (130°F)

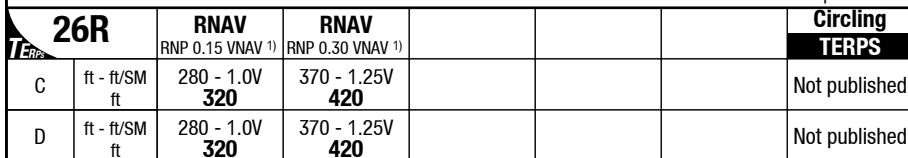
19-JUL-2018

LGB-KLGB**7-50****RNAV (RNP) 12**

Changes: Note

AMDT 2

RNAV (RNP) 26R



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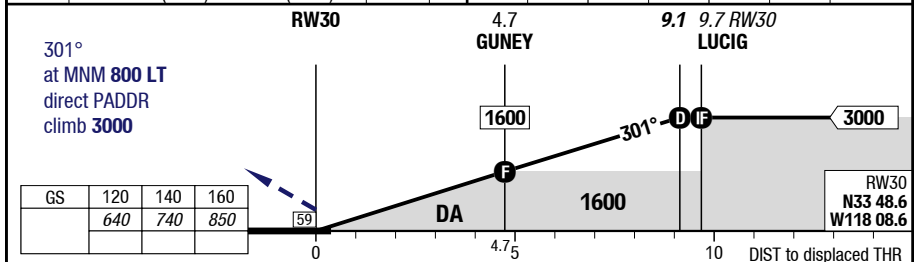
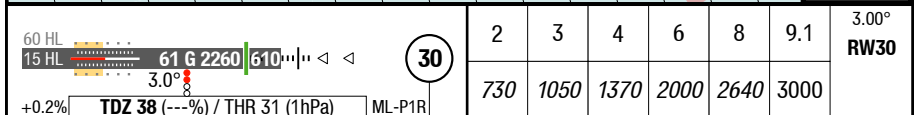
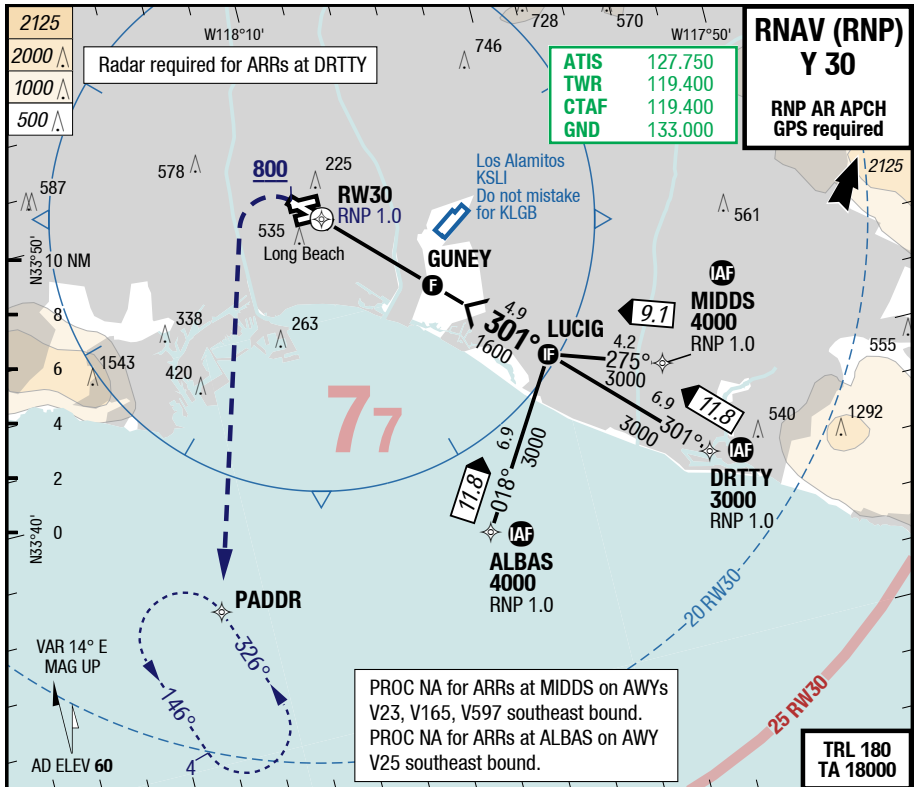
19-JUL-2018

LGB-KLGB

7-70

RNAV (RNP) Y 30

IAC



30		RNAV	Circling	
TERPS		RNP 0.30 VNAV 1)	TERPS	
C	ft - ft/SM ft	350 - 3000R/0.63V 390	Not published	
D	ft - ft/SM ft	350 - 3000R/0.63V 390	Not published	

1) Uncompensated BARO VNAV NA below 4°C (40°F) or above 54°C (130°F)

19-JUL-2018

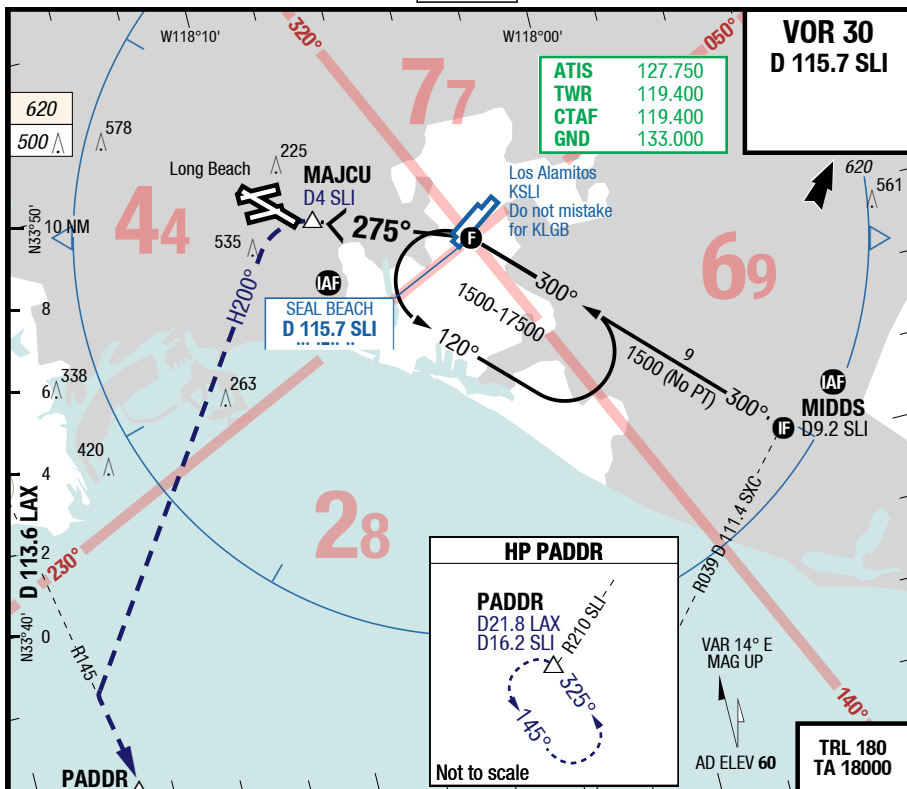
United States **Long Beach** Long Beach/Daugherty Fld

IAC

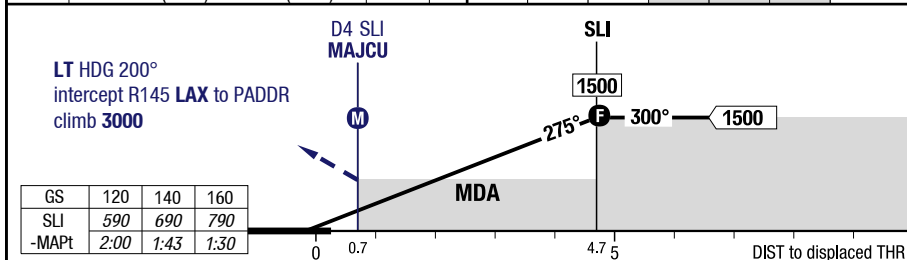
LGB-KLGB

7-90

VOR 30



60 HL	61 G 2260	610	30	2	1	SLI	2.83°
15 HL	3.0°			900	1200	1500	D SLI
+0.2%	TDZ 38 (---%) / THR 31 (1hPa)	ML-P1R					275°
							RWY 301°



30	VOR						Circling
TERPS							TERPS
C	ft - ft/SM ft	570 - 1.75V 600					780 - 2.25V 840
D	ft - ft/SM ft	570 - 1.75V 600					780 - 2.5V 840

Changes: Note

AMDT 9

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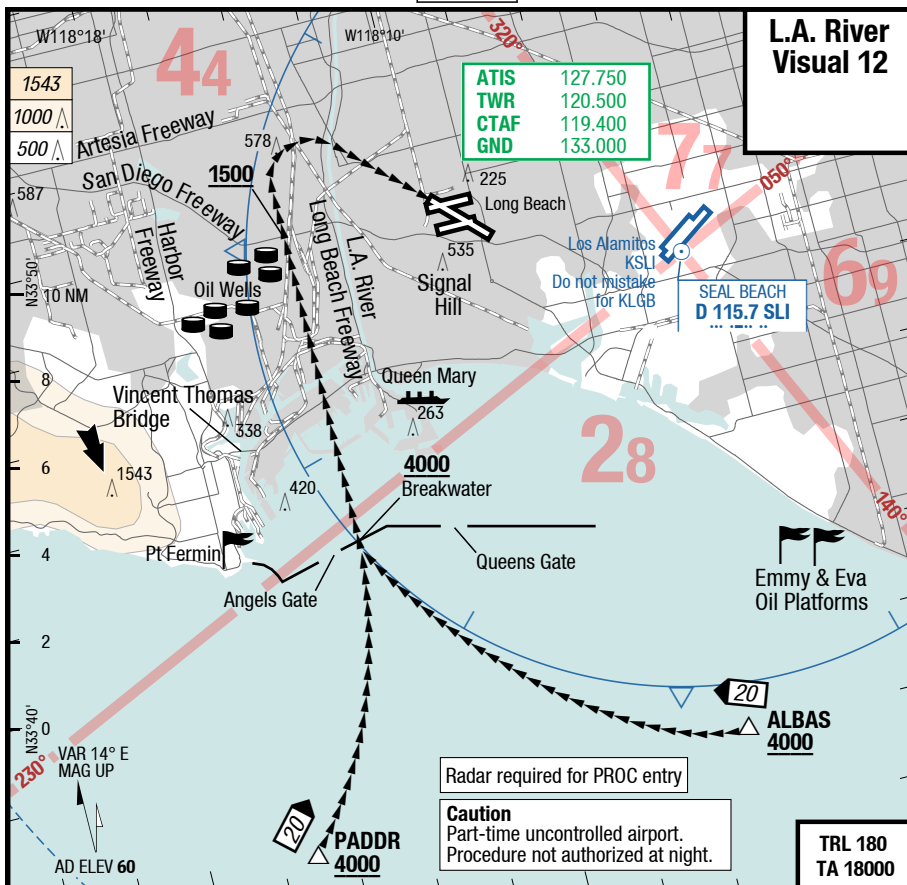
United States Long Beach Long Beach/Daugherty Fld

VAC

LGB-KLGB

7-100

LA River Visual 12



VISUAL

12

From ALBAS/PADDR proceed to Breakwater, cross Breakwater between Angels and Queens Gate with MNM 4000 ft. Follow L.A. River remaining west of L.A. River and Long Beach Freeway. At San Diego Freeway MNM 1500 ft. Turn right onto final remaining south of Artesia freeway.

Missed Approach:

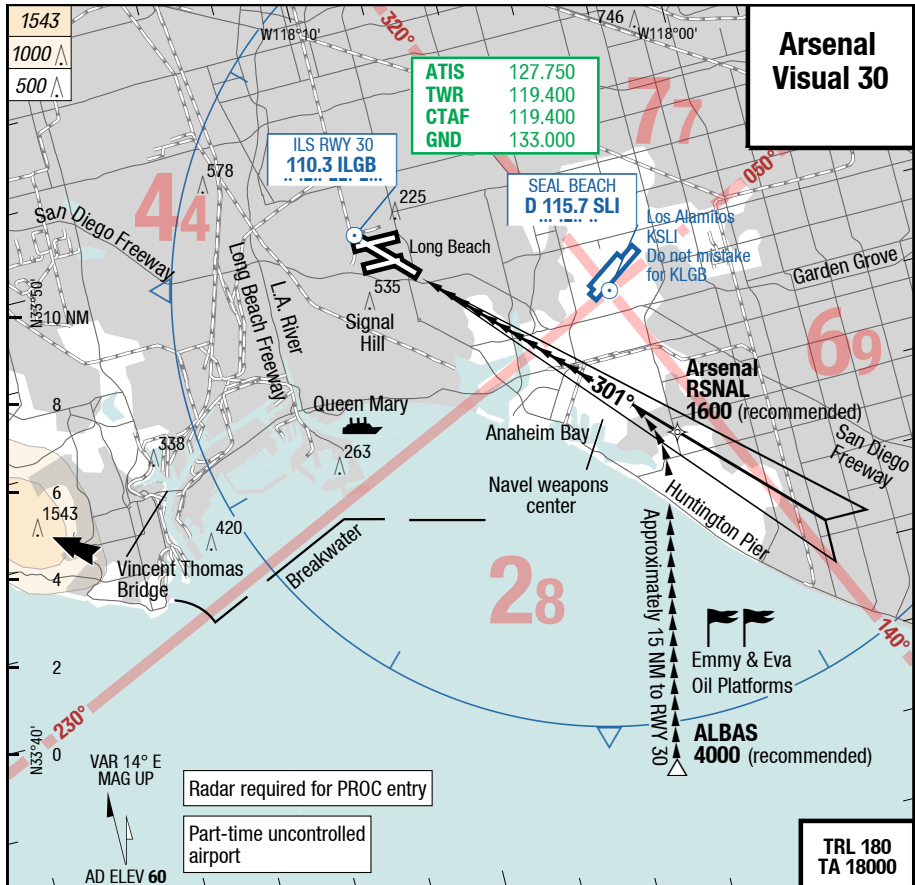
No missed approach procedure published

12		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

LGB-KLGB

7-110

Arsenal Visual 30



VISUAL	<div> <div>60 HL</div> <div>15 HL</div> <div>61 G 2260 610</div> <div>3.0°</div> <div>+0.2%</div> <div>TDZ 38 (---%) / THR 31 (1hPa)</div> <div>ML-P1R</div> </div>	30
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From the east/southeast (ALBAS) proceed direct the Arsenal (RSNAL) MNM 1600 ft recommended, cross the shoreline east of Anaheim Bay, intercept the Long Beach RWY 30 final APP course, proceed straight in to RWY 30.

Missed Approach:

No missed approach procedure published

30	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