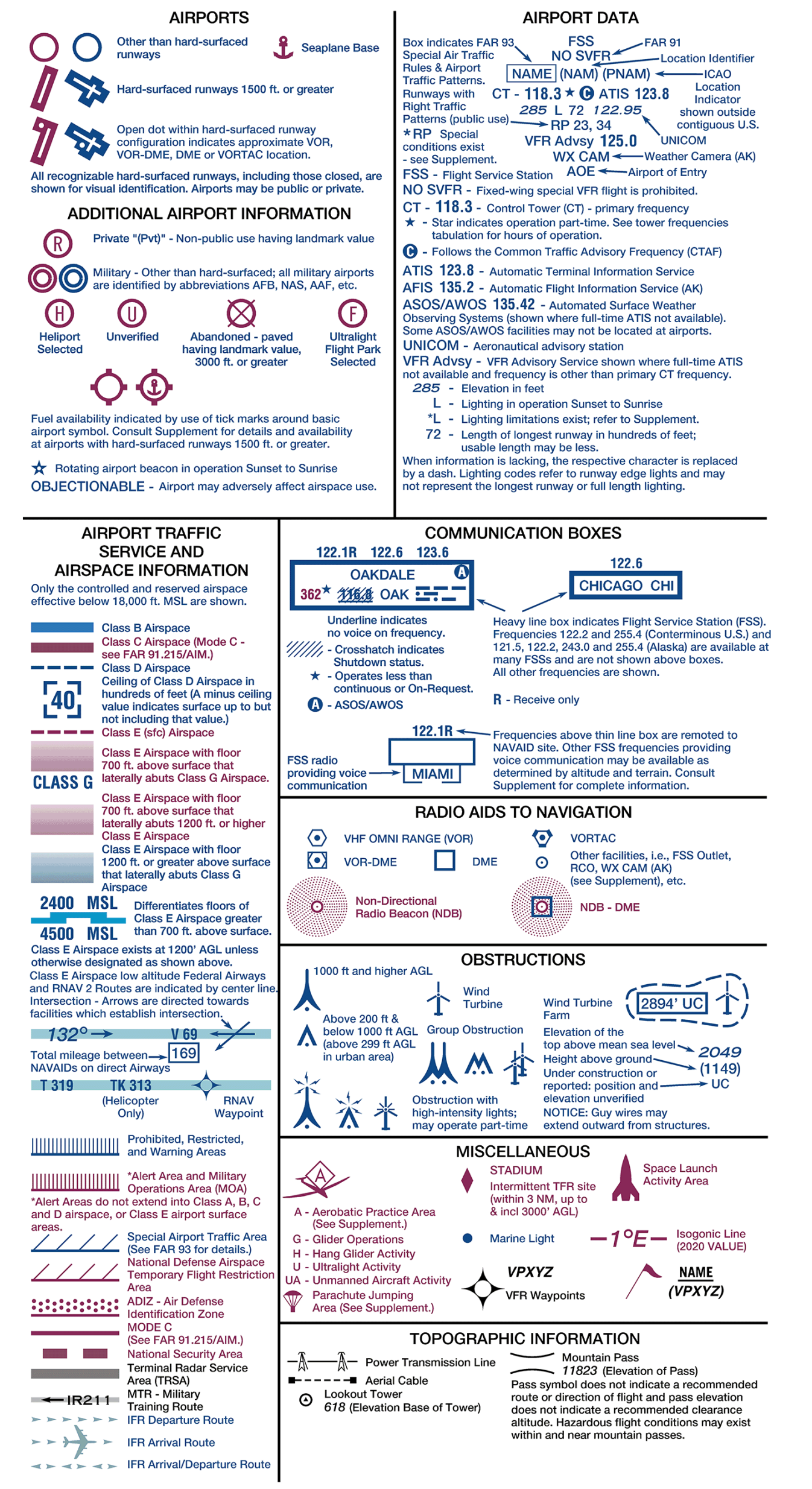
VFR FLYWAY

VFR TERMINAL AREA CHART
LOS ANGELES

LOS ANGELES

Airports having Control Towers are shown in Blue, all others in Magenta. Consult Chart Supplement for details involving airport lighting, navigation aids, and services. All times are local. For additional symbol information refer to the Chart User's Guide.



AIRPORTS

Other than hard-surfaced runways

Seaplane Base

Hard-surfaced runways 1500 ft. or greater

Open dot within hard-surfaced runway configuration indicates approximate VOR, VOR-DME, DME or VORTAC location.

All recognizable hard-surfaced runways, including those closed, are shown for visual identification. Airports may be public or private.

ADDITIONAL AIRPORT INFORMATION

Private "(Pvt)" - Non-public use having landmark value

Military - Other than hard-surfaced; all military airports are identified by abbreviations AFB, NAS, AAF, etc.

Heliport Selected · Unverified · Abandoned - paved having landmark value, 3000 ft. or greater · Ultralight Flight Park Selected

Fuel availability indicated by use of tick marks around basic airport symbol. Consult Supplement for details and availability at airports with hard-surfaced runways 1500 ft. or greater.

Rotating airport beacon in operation Sunset to Sunrise

OBJECTIONABLE - Airport may adversely affect airspace use.

AIRPORT DATA

Box indicates FAR 93 Special Air Traffic Rules & Airport Traffic Patterns.
Runways with Right Traffic Patterns (public use)
*RP Special conditions exist - see Supplement.
FSS
NO SVFR
FAR 91
Location Identifier
ICAO Location Indicator shown outside contiguous U.S.
NAME (NAM) (PNAM)
CT - 118.3 ★ C ATIS 123.8
285 L 72 122.95
RP 23, 34
UNICOM
VFR Advsy 125.0
WX CAM
Weather Camera (AK)
AOE
Airport of Entry

FSS - Flight Service Station

NO SVFR - Fixed-wing special VFR flight is prohibited.

CT - 118.3 - Control Tower (CT) - primary frequency

★ - Star indicates operation part-time. See tower frequencies tabulation for hours of operation.

C - Follows the Common Traffic Advisory Frequency (CTAF)

ATIS 123.8 - Automatic Terminal Information Service

AFIS 135.2 - Automatic Flight Information Service (AK)

ASOS/AWOS 135.42 - Automated Surface Weather Observing Systems (shown where full-time ATIS not available). Some ASOS/AWOS facilities may not be located at airports.

UNICOM - Aeronautical advisory station

VFR Advsy - VFR Advisory Service shown where full-time ATIS not available and frequency is other than primary CT frequency.

285 - Elevation in feet

L - Lighting in operation Sunset to Sunrise

*L - Lighting limitations exist; refer to Supplement.

72 - Length of longest runway in hundreds of feet; usable length may be less.

When information is lacking, the respective character is replaced by a dash. Lighting codes refer to runway edge lights and may not represent the longest runway or full length lighting.

AIRPORT TRAFFIC SERVICE AND AIRSPACE INFORMATION

Only the controlled and reserved airspace effective below 18,000 ft. MSL are shown.

Class B Airspace

Class C Airspace (Mode C - see FAR 91.215/AIM.)

Class D Airspace

Ceiling of Class D Airspace in hundreds of feet (A minus ceiling value indicates surface up to but not including that value.)

Class E (sfc) Airspace

Class E Airspace with floor 700 ft. above surface that laterally abuts Class G Airspace.

CLASS G

Class E Airspace with floor 700 ft. above surface that laterally abuts 1200 ft. or higher Class E Airspace

Class E Airspace with floor 1200 ft. or greater above surface that laterally abuts Class G Airspace

2400 MSL / 4500 MSL Differentiates floors of Class E Airspace greater than 700 ft. above surface.

Class E Airspace exists at 1200' AGL unless otherwise designated as shown above.

Class E Airspace low altitude Federal Airways and RNAV 2 Routes are indicated by center line. Intersection - Arrows are directed towards facilities which establish intersection.

132°
V 69
169
T 319
TK 313

Total mileage between NAVAIDs on direct Airways

(Helicopter Only)

RNAV Waypoint

Prohibited, Restricted, and Warning Areas

*Alert Area and Military Operations Area (MOA)

*Alert Areas do not extend into Class A, B, C and D airspace, or Class E airport surface areas.

Special Airport Traffic Area (See FAR 93 for details.)

National Defense Airspace Temporary Flight Restriction Area

ADIZ - Air Defense Identification Zone

MODE C (See FAR 91.215/AIM.)

National Security Area

Terminal Radar Service Area (TRSA)

IR211 MTR - Military Training Route

IFR Departure Route

IFR Arrival Route

IFR Arrival/Departure Route

COMMUNICATION BOXES

122.1R 122.6 123.6
OAKDALE
362 116.4 OAK
122.6
CHICAGO CHI
122.1R
MIAMI

Underline indicates no voice on frequency.

Crosshatch indicates Shutdown status.

★ - Operates less than continuous or On-Request.

A - ASOS/AWOS

Heavy line box indicates Flight Service Station (FSS). Frequencies 122.2 and 255.4 (Conterminous U.S.) and 121.5, 122.2, 243.0 and 255.4 (Alaska) are available at many FSSs and are not shown above boxes. All other frequencies are shown.

R - Receive only

FSS radio providing voice communication

Frequencies above thin line box are remoted to NAVAID site. Other FSS frequencies providing voice communication may be available as determined by altitude and terrain. Consult Supplement for complete information.

RADIO AIDS TO NAVIGATION

VHF OMNI RANGE (VOR)

VORTAC

VOR-DME

DME

Other facilities, i.e., FSS Outlet, RCO, WX CAM (AK) (see Supplement), etc.

Non-Directional Radio Beacon (NDB)

NDB - DME

OBSTRUCTIONS

1000 ft and higher AGL

Above 200 ft & below 1000 ft AGL (above 299 ft AGL in urban area)

Wind Turbine

Group Obstruction

Wind Turbine Farm

2894' UC
2049
(1149)
UC

Elevation of the top above mean sea level

Height above ground

Under construction or reported; position and elevation unverified

Obstruction with high-intensity lights; may operate part-time

NOTICE: Guy wires may extend outward from structures.

MISCELLANEOUS

A - Aerobatic Practice Area (See Supplement.)

G - Glider Operations

H - Hang Glider Activity

U - Ultralight Activity

UA - Unmanned Aircraft Activity

Parachute Jumping Area (See Supplement.)

STADIUM Intermittent TFR site (within 3 NM, up to & incl 3000' AGL)

Space Launch Activity Area

Marine Light

−1°E− Isogonic Line (2020 VALUE)

VPXYZ VFR Waypoints

NAME (VPXYZ)

TOPOGRAPHIC INFORMATION

Power Transmission Line

Aerial Cable

Lookout Tower

618 (Elevation Base of Tower)

Mountain Pass

11823 (Elevation of Pass)

Pass symbol does not indicate a recommended route or direction of flight and pass elevation does not indicate a recommended clearance altitude. Hazardous flight conditions may exist within and near mountain passes.

LOS ANGELES TAC

VFR TERMINAL AREA CHART SCALE 1:250,000

Federal Aviation Administration

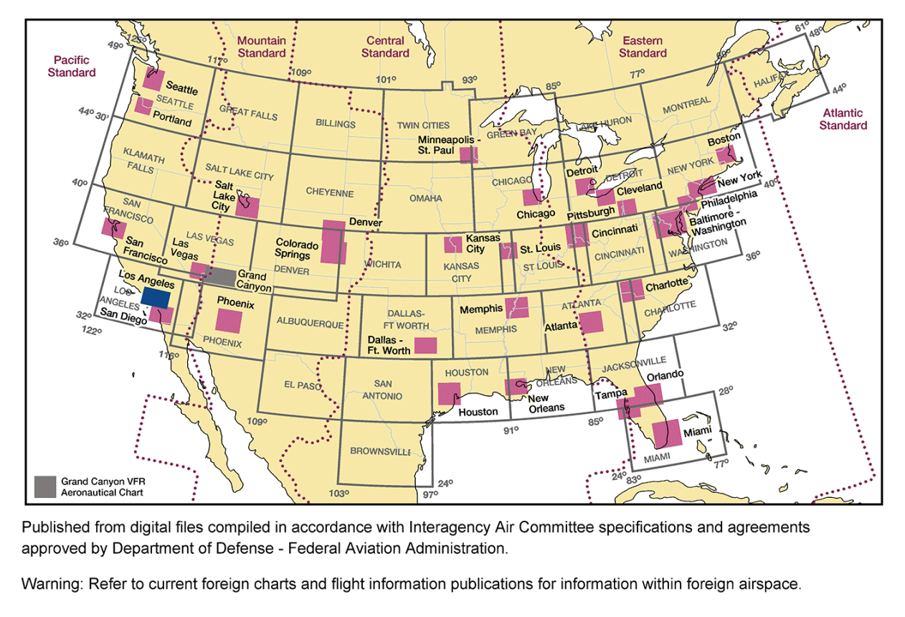
TM

EFFECTIVE 0901Z **23 FEB 2023**

TO 0901Z **20 APR 2023**

Consult NOTAMs for latest information

Consult/Subscribe to FAA Safety Alerts and Charting Notices at:
http://www.faa.gov/air_traffic/flight_info/aeronav/safety_alerts/



Pacific Standard
Mountain Standard
Central Standard
Eastern Standard
Atlantic Standard
Seattle
Great Falls
Billings
Twin Cities
Green Bay
Minneapolis-St. Paul
Lake Huron
Montreal
Halifax
Klamath Falls
Salt Lake City
Cheyenne
Omaha
Chicago
Detroit
Cleveland
New York
Boston
San Francisco
Las Vegas
Denver
Kansas City
St. Louis
Cincinnati
Philadelphia
Baltimore-Washington
Los Angeles
San Diego
Phoenix
Albuquerque
Wichita
Dallas-Ft Worth
Memphis
Atlanta
Charlotte
El Paso
San Antonio
Houston
New Orleans
Jacksonville
Orlando
Tampa
Miami
Brownsville
Grand Canyon
Grand Canyon VFR Aeronautical Chart

Published from digital files compiled in accordance with Interagency Air Committee specifications and agreements approved by Department of Defense - Federal Aviation Administration.

Warning: Refer to current foreign charts and flight information publications for information within foreign airspace.

FAA Product ID: TLA

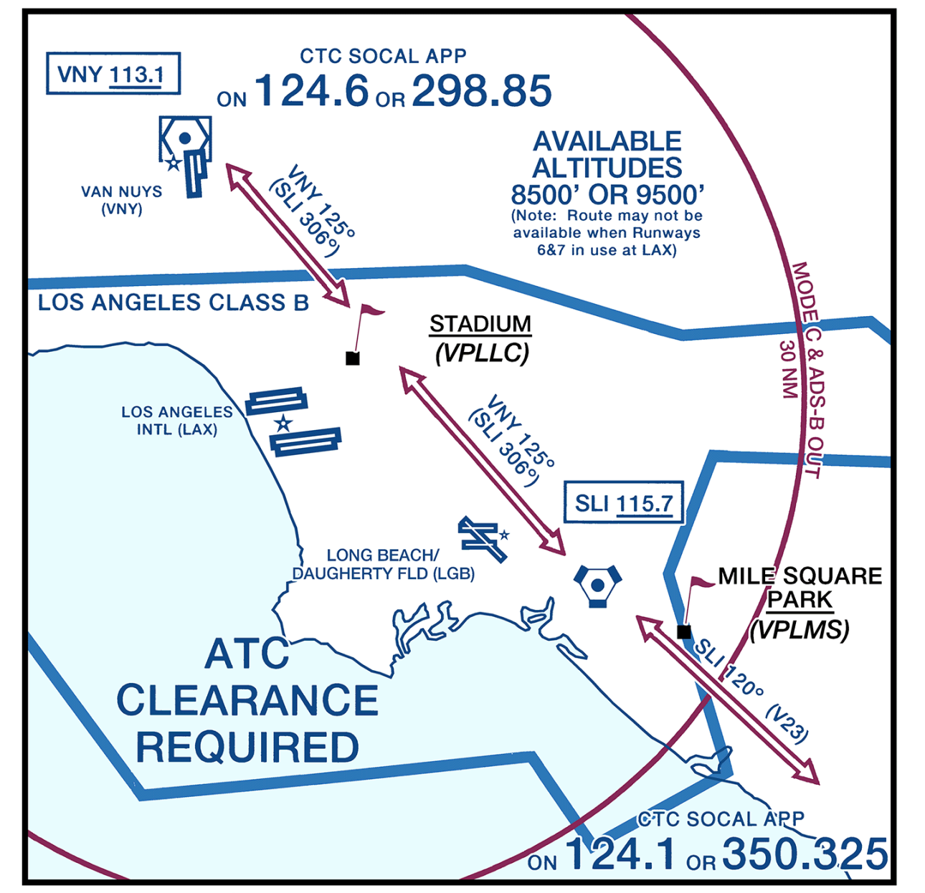
NSN 7641014099803

NGA REF. NO. VFRTALOSANGELES

EFF. DATE 23054

COLISEUM ROUTE

VFR ONLY



VNY 113.1
CTC SOCAL APP ON 124.6 OR 298.85
AVAILABLE ALTITUDES 8500' OR 9500'
(Note: Route may not be available when Runways 6&7 in use at LAX)
VAN NUYS (VNY)
VNY 125° (SLI 306°)
LOS ANGELES CLASS B
STADIUM (VPLLC)
MODE C & ADS-B OUT 30 NM
LOS ANGELES INTL (LAX)
SLI 115.7
LONG BEACH/ DAUGHERTY FLD (LGB)
MILE SQUARE PARK (VPLMS)
SLI 120° (V23)
ATC CLEARANCE REQUIRED
CTC SOCAL APP ON 124.1 OR 350.325

REQUIREMENTS OF FAR 91.215 AND 91.131 SHALL BE MET

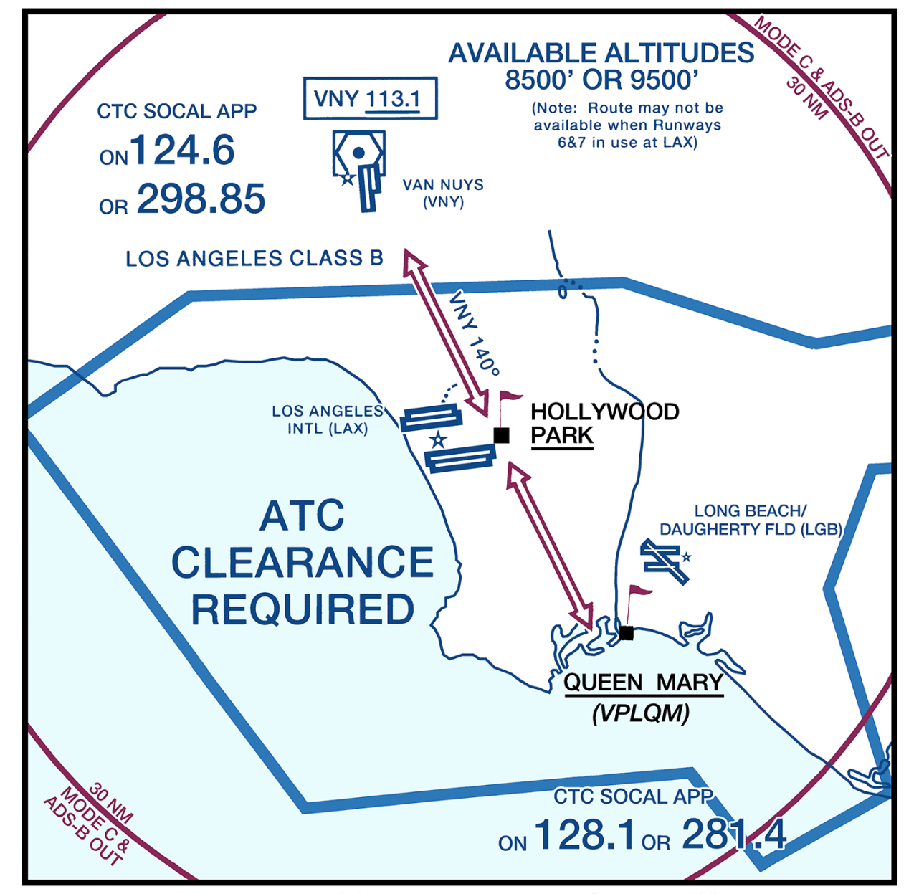
REMAIN OUTSIDE BRAVO AIRSPACE UNTIL RECEIVING BRAVO CLEARANCE

COLISEUM ROUTE NORTHBOUND: Enter the Los Angeles Class B established on V23 (Seal Beach 120 radial) and proceed to Seal Beach VOR, then proceed on the Van Nuys 125 radial until exiting Class B. Maintain altitude as assigned by ATC.

COLISEUM ROUTE SOUTHBOUND: Enter the Los Angeles Class B established on the Van Nuys 125 radial and proceed to Seal Beach VOR, then proceed on V23 (Seal Beach 120 radial) until exiting Class B. Maintain altitude as assigned by ATC.

HOLLYWOOD PARK ROUTE

VFR ONLY



AVAILABLE ALTITUDES 8500' OR 9500'
(Note: Route may not be available when Runways 6&7 in use at LAX)
CTC SOCAL APP ON 124.6 OR 298.85
VNY 113.1
VAN NUYS (VNY)
LOS ANGELES CLASS B
VNY 140°
MODE C & ADS-B OUT 30 NM
LOS ANGELES INTL (LAX)
HOLLYWOOD PARK
ATC CLEARANCE REQUIRED
LONG BEACH/ DAUGHERTY FLD (LGB)
QUEEN MARY (VPLQM)
CTC SOCAL APP ON 128.1 OR 281.4

REQUIREMENTS OF FAR 91.215 AND 91.131 SHALL BE MET

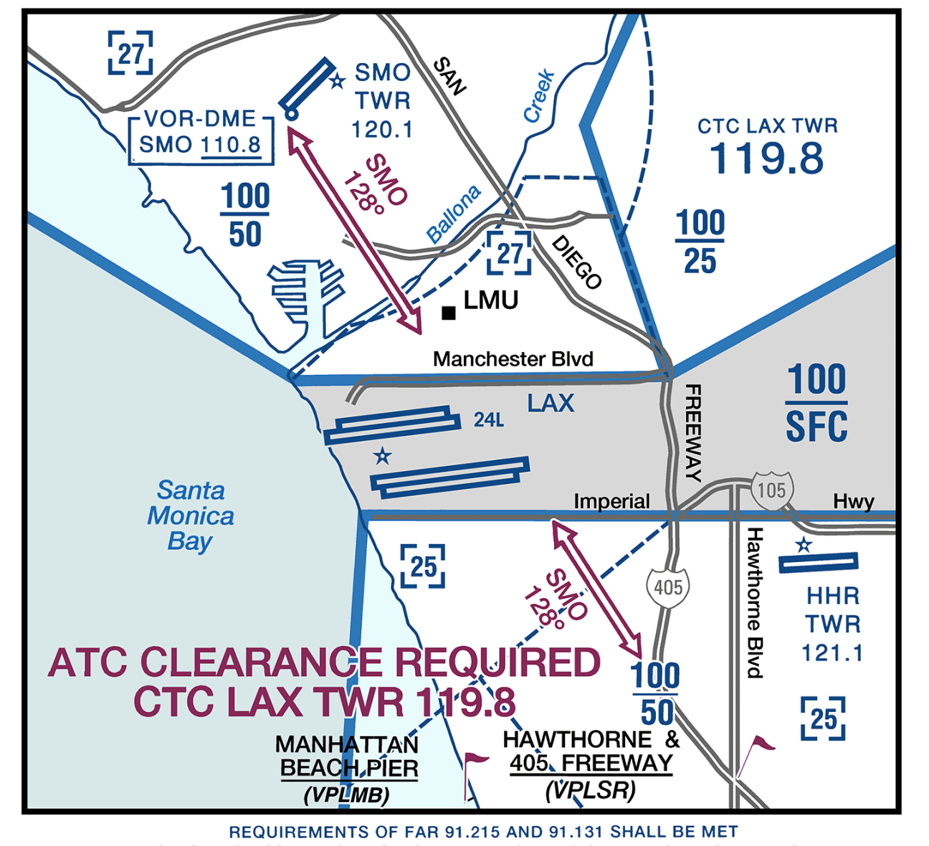
REMAIN OUTSIDE BRAVO AIRSPACE UNTIL RECEIVING BRAVO CLEARANCE

HOLLYWOOD PARK ROUTE NORTH/SOUTHBOUND: Enter the Los Angeles Class B north/southbound established on and follow the Van Nuys 140 radial until exiting the Class B. Maintain altitude as assigned by ATC.

Note: If VNY VOR is out of service navigate visually along a line between the Van Nuys airport, Hollywood Park and Queen Mary, or request radar vectors.

MINI ROUTE

VFR ONLY



27
VOR-DME SMO 110.8
SMO TWR 120.1
SAN
Creek
CTC LAX TWR 119.8
100 50
SMO 128°
Ballona
27
DIEGO
100 25
LMU
Manchester Blvd
LAX
24L
FREEWAY
100 SFC
Santa Monica Bay
Imperial
105
Hwy
25
SMO 128°
405
Hawthorne Blvd
HHR TWR 121.1
ATC CLEARANCE REQUIRED CTC LAX TWR 119.8
100 50
25
MANHATTAN BEACH PIER (VPLMB)
HAWTHORNE & 405 FREEWAY (VPLSR)

REQUIREMENTS OF FAR 91.215 AND 91.131 SHALL BE MET

REMAIN OUTSIDE CLASS BRAVO AIRSPACE UNTIL RECEIVING CLEARANCE FROM LAX TOWER

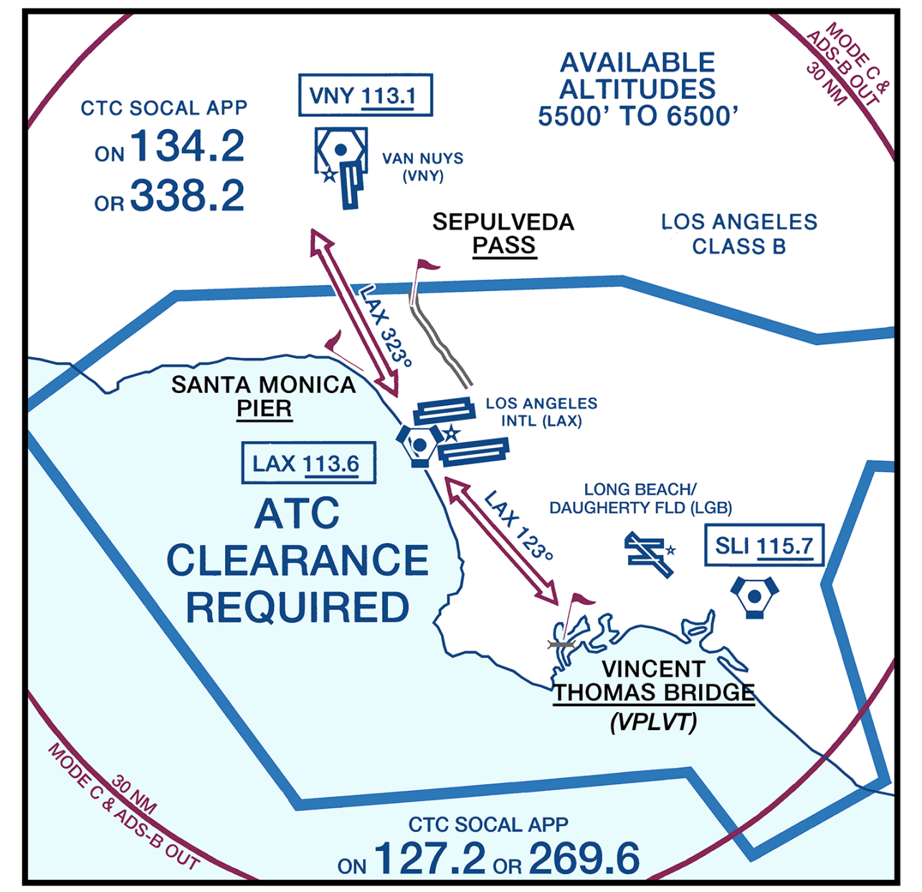
Restrictions: Fixed-wing, non-turbo jet aircraft only. LAX must be in a west traffic or over-ocean configuration (generally midnight to 0630 LCL) and reporting a ceiling of at least 3500' and visibility of at least three miles. Northrop/Hawthorne and Santa Monica airports must be VFR.

Mini Route Northbound: (GPS routing: VPLSR direct SMO) During normal tower operating hours, 0600-2000 LCL, Northrop/Hawthorne Tower 121.1 will coordinate transitions through the Mini Route. After normal tower operating hours, contact LAX Tower 119.8. Proceed to Hawthorne and 405 Freeway (VPLSR) at 2500'. When cleared by LAX Tower, enter the Los Angeles Class B, established on the SMO 128° radial level at 2500', cross over the LAX Runway 24L numbers or as directed by ATC.

Mini Route Southbound: (GPS routing: SMO direct VPLSR) During normal tower operating hours, 0700-2100 LCL, Santa Monica Tower 120.1 will coordinate transitions through the Mini Route. After normal tower operating hours, contact LAX Tower 119.8. Proceed to Loyola Marymount University (LMU) at 2500'. When cleared by LAX Tower, enter the Los Angeles Class B, established on the SMO 128° radial level at 2500', cross over the LAX Runway 24L numbers or as directed by ATC.

COASTAL ROUTE

VFR ONLY



CTC SOCAL APP ON 134.2 OR 338.2
VNY 113.1
VAN NUYS (VNY)
AVAILABLE ALTITUDES 5500' TO 6500'
MODE C & ADS-B OUT 30 NM
SEPULVEDA PASS
LOS ANGELES CLASS B
LAX 323°
SANTA MONICA PIER
LOS ANGELES INTL (LAX)
LAX 113.6
ATC CLEARANCE REQUIRED
LAX 123°
LONG BEACH/ DAUGHERTY FLD (LGB)
SLI 115.7
VINCENT THOMAS BRIDGE (VPLVT)
CTC SOCAL APP ON 127.2 OR 269.6

REQUIREMENTS OF FAR 91.215 AND 91.131 SHALL BE MET

REMAIN OUTSIDE BRAVO AIRSPACE UNTIL RECEIVING BRAVO CLEARANCE

COASTAL ROUTE NORTHBOUND: Enter the Los Angeles Class B northbound abeam the Vincent Thomas Bridge established on the Los Angeles 123 radial. After crossing the Los Angeles VOR, proceed outbound on the Los Angeles 323 radial until exiting the Class B near the Sepulveda Pass. Maintain altitude as assigned by ATC.

COASTAL ROUTE SOUTHBOUND: Enter the Los Angeles Class B southbound abeam the Sepulveda Pass established on the Los Angeles 323 radial. After crossing the Los Angeles VOR, proceed outbound on the Los Angeles 123 radial until exiting the Class B near the Vincent Thomas Bridge. Maintain altitude as assigned by ATC.

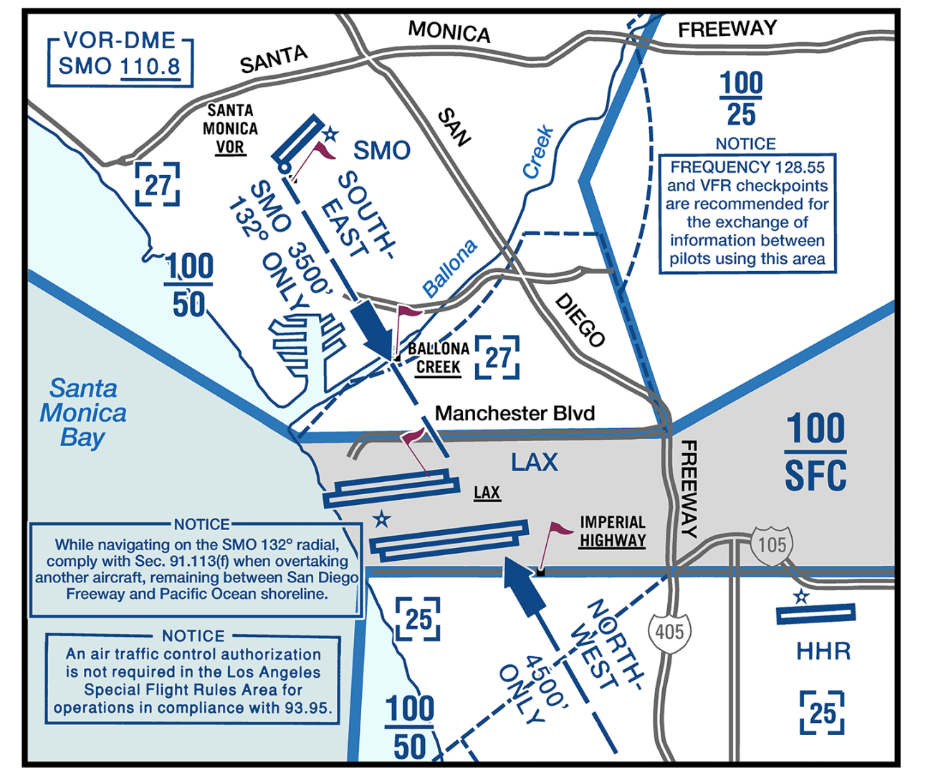
Note: Aircraft departing Long Beach, Torrance, Hawthorne, or Santa Monica airport, please contact So Cal Tracon 134.9 or 363.2 for clearance.

Flight Following Services are available on request and highly recommended in and around Class B, C, and TRSA areas.

VFR TRANSITION ROUTE
(ATC CLEARANCE REQUIRED)
ALTITUDE ASSIGNED BY ATC

LOS ANGELES SPECIAL FLIGHT RULES AREA

ALTITUDE	LATERAL LIMITS	
Southeasterly 3500 feet MSL	North - Manchester Boulevard	South - Imperial Highway
Northwesterly 4500 feet MSL	East - San Diego Freeway	West - Pacific Ocean Shoreline



VOR-DME SMO 110.8
SANTA
MONICA
FREEWAY
SANTA MONICA VOR
SMO
SAN
Creek
100 25
27
SMO 132° ONLY
SOUTH-EAST 3500'
Ballona
BALLONA CREEK
27
DIEGO
100 50
Santa Monica Bay
Manchester Blvd
LAX
LAX
IMPERIAL HIGHWAY
FREEWAY
100 SFC
105
25
405
NORTH-WEST 4500' ONLY
HHR
100 50
25

NOTICE
FREQUENCY 128.55 and VFR checkpoints are recommended for the exchange of information between pilots using this area

NOTICE
While navigating on the SMO 132° radial, comply with Sec. 91.113(f) when overtaking another aircraft, remaining between San Diego Freeway and Pacific Ocean shoreline.

NOTICE
An air traffic control authorization is not required in the Los Angeles Special Flight Rules Area for operations in compliance with 93.95.

The following rules shall be adhered to when utilizing the LOS ANGELES SPECIAL FLIGHT RULES AREA:

The flight must be conducted under VFR and only when operation may be conducted in compliance with Sec. 91.155.

The aircraft must be equipped as specified in Sec. 91.215 replying on code 1201 prior to entering and while operating in this area.

The pilot shall have a current Los Angeles Terminal Area Chart in the aircraft.

The pilot shall operate on the Santa Monica very high frequency omni-directional radio range (VOR) 132° radial.

Aircraft navigating in a southeasterly direction shall be in level flight at 3500 feet MSL.

Aircraft navigating in a northwesterly direction shall be in level flight at 4500 feet MSL.

Indicated airspeed shall not exceed 140 knots.

Anti-collision lights and aircraft position/navigation lights shall be on. Use of landing lights is recommended.

TURBOJET AIRCRAFT ARE PROHIBITED FROM VFR OPERATIONS IN THIS AREA.

INTENSIVE FLIGHT TRAINING AREAS

CAUTION
INTENSIVE FLIGHT TRAINING
122.775 BELOW 4500'
123.025 AT OR BELOW 2000'
SIMI VALLEY

	NAME	CEILING	FREQ
1	SANTA PAULA	5500	122.775
2	SIMI VALLEY	4500	122.775
		AT OR BELOW 2000	123.025
3	SANTA CLARITA	4500	122.775
		AT OR BELOW 2000	123.025
4	PALOS VERDES	4500	121.95
		AT OR BELOW 2000	122.85
5	LONG BEACH	4500	121.95
		AT OR BELOW 2000	122.85
6	SANTA FE	4500	123.3
		AT OR BELOW 2000	123.025
7	LA HABRA	4000	123.3
		AT OR BELOW 2000	123.025
8	REDLANDS	7500	123.3
9	CAJON PASS	4500	123.3
10	JOHN WAYNE	4500	123.5
		AT OR BELOW 2000	122.85
11	EL TORO	4500	123.5
		AT OR BELOW 2000	122.85
12	BLOCKHOUSE	6000	123.5
13	LAKE MATHEWS	4500	123.5

To enhance safety in the vicinity of intensive flight training, frequencies are listed for air-to-air communications with other pilots using or transitioning the area.

The following guidelines are encouraged when utilizing these areas:

The flight does not require communications with or a clearance from Air Traffic Control.

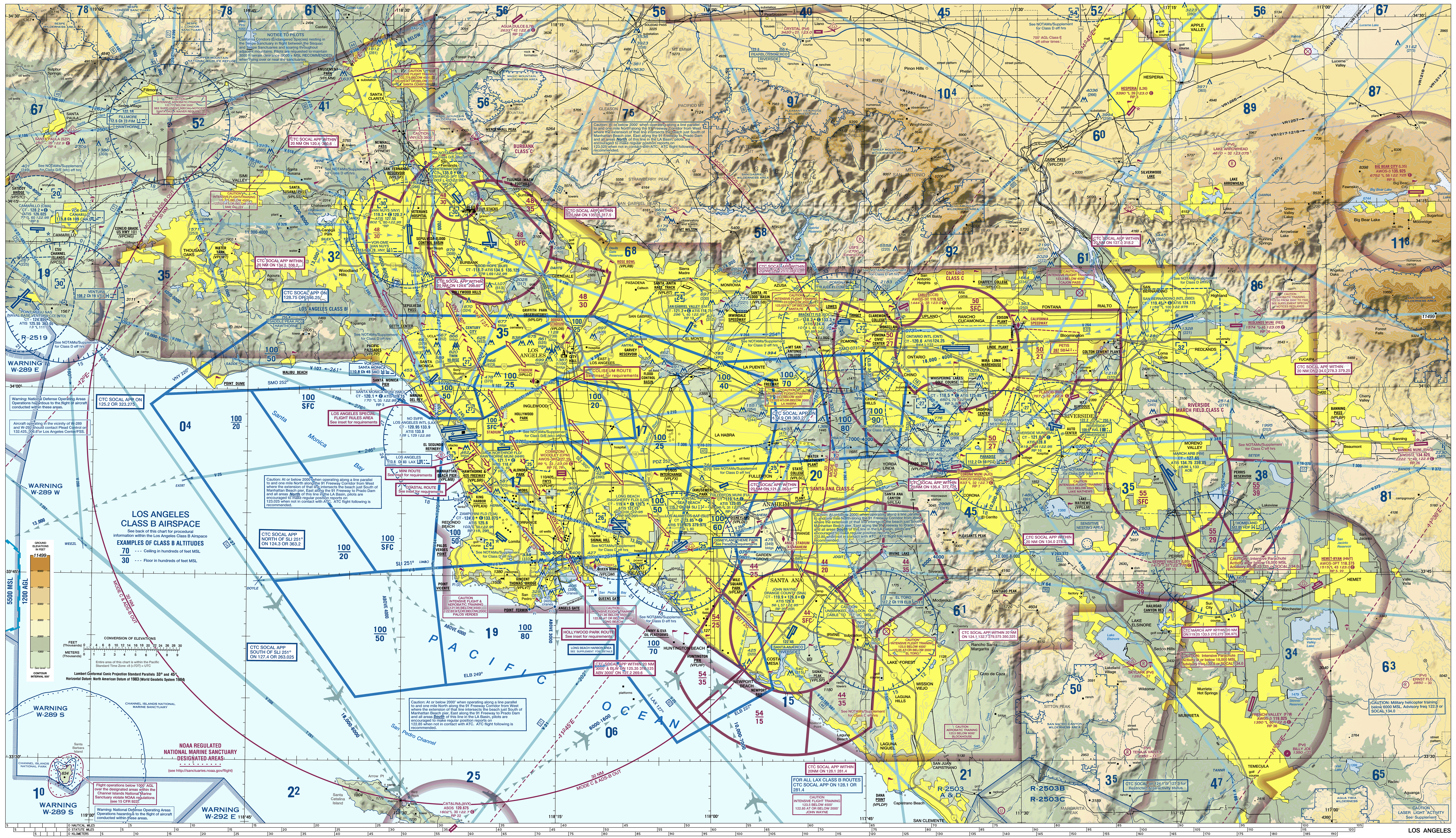
All flights are to be conducted under visual flight rules and in compliance with FAR 91.155.

Pilots are encouraged to have a current Los Angeles Terminal Area Chart in the aircraft.

Use of anticollision lights, aircraft position/navigation lights and landing lights is recommended.

Use of indicated VFR checkpoints is helpful to provide location information between pilots using these areas.

CAUTION: This chart is primarily designed for VFR navigational purposes and does not purport to indicate the presence of all power transmission and telecommunication lines, terrain or obstacles which may be encountered below reasonable and safe altitudes.



SESPE CONDOR SANCTUARY
SESPE WILDERNESS AREA
Fillmore
Sespe Village
SANTA PAULA
FILLMORE 112.5 Ch 72 FIM
SANTA PAULA (SZP) 250 - 26 122.9 C RP 4
SATICOY BRIDGE (VPSTC)
CAMARILLO (CMA) CT - 128.2 ★ C ATIS 126.025 77 L 60 122.95 RP 8
VOR-DME CAMARILLO 115.8 Ch 105 CMA
CONEJO GRADE US HWY 101 (VPCNG)
CSU CHANNEL ISLANDS (VPCSU)
VENTURA 108.2 Ch 19 VTU
POINT MUGU NAS (NAVAL BASE VENTURA CO) (NTD) CT - 124.85 ★ ATIS 125.55 363.05 13 *L 111
R-2519
WARNING W-289 E
WARNING W-289 W
WARNING W-289 S
WARNING W-292 E
Castaic
SANTA CLARITA
NEWHALL PASS (VPNEW)
AGUA DULCE (L70) 2633 - 42 122.8 C RP 22
CRYSTAL (Pvt) 3420 - 27 123.0
PEARBLOSSOM RCO 122.2 255.4 RIVERSIDE
SIMI VALLEY
SANTA SUSANA PASS (VPLSS)
THOUSAND OAKS
WATER TANK (VPLWT)
SAN FERNANDO RESERVOIR (VPLSF)
WHITEMAN (WHP) CT - 135.0 ★ C ATIS/AWOS-3PT 132.1 1003 L 41 122.95 RP 30
VAN NUYS (VNY) CT - 119.3 ★ C 120.2 ★ ATIS 127.55 802 *L 80 122.95 *RP
VOR-DME VAN NUYS 113.1 Ch 78 VNY
SEPULVEDA FLOOD CONTROL BASIN
TUJUNGA WASH & FOOTHILL (VPLTW)
BURBANK CLASS C
BOB HOPE (BUR) CT - 118.7 ATIS 134.5 135.125 778 L 69 122.95
HOLLYWOOD HILLS
SEPULVEDA PASS
GETTY CENTER
SADDLE PEAK RCO 255.4 HAWTHORNE
PACIFIC PALISADES (VPLPP)
VOR-DME SANTA MONICA 110.8 Ch 45 SMO
MALIBU BEACH
POINT DUME
SANTA MONICA PIER
SANTA MONICA MUNI (SMO) CT - 120.1 ★ C ATIS 119.15 170 *L 35 122.95 RP 3
MARINA DEL REY
NO SVFR LOS ANGELES INTL (LAX) CT - 120.95 133.9 ATIS 133.8 128 L 129 122.95
LOS ANGELES 113.6 Ch 83 LAX
EL SEGUNDO REFINERY
JACK NORTHROP FLD/ HAWTHORNE MUNI (HHR) CT - 121.1 ★ C ATIS 118.4 66 L 49 RP 7
HOLLYWOOD PARK
INGLEWOOD
GRIFFITH PARK OBSERVATORY (VPLGP)
DODGER STADIUM (VPLDS)
LOS ANGELES
CITY HALL
EAST LOS ANGELES
GLENDALE
PASADENA
ROSE BOWL (VPLRB)
SANTA ANITA RACE TRACK (VPLRT)
SAN GABRIEL VALLEY (EMT) CT - 121.2 ★ C ATIS 118.75 296 *L 40 122.95 RP 19
IRWINDALE SPEEDWAY
SANTA FE FLOOD BASIN (VPLSB)
BRACKETT FLD (POC) CT - 118.2 ★ C 133.3 ATIS 124.4 1014 L 48 122.95 RP 8R, 26R
CABLE (CCB) AWOS-3P 119.525 1444 *L 38 123.0 C
ONTARIO CLASS C
ONTARIO INTL (ONT) CT - 120.6 ATIS 124.25 944 L 122
CHINO (CNO) CT - 118.5 ★ C ATIS 125.85 650 L 70 122.95 RP 3, 8L, 8R
PARADISE 112.2 Ch 59 PDZ
CORONA MUNI (AJO) AWOS-3PT 132.175 533 *L 32 122.7 C RP 7
FLABOB (RIR) 767 *L 32 122.8 C
RIVERSIDE MUNI (RAL) CT - 121.0 ★ C ATIS 128.8 819 L 54 122.95 RP 16
RIVERSIDE 108.6 RAL
RIVERSIDE MARCH FIELD CLASS C
MARCH ARB (RIV) CT - 127.65 ATIS 134.75 239.05 1536 L 133 AOE
PERRIS VALLEY (L65) 1413 - 51 122.775 C RP 15
HEMET-RYAN (HMT) AWOS-3PT 118.375 1515 L 43 123.0 C RP 5, 22
FRENCH VALLEY (F70) AWOS-3 119.025 1350 *L 60 122.8 C RP 36
SKYLARK (Pvt) 1262 - 27
TENAJA VALLEY (Pvt) 2350 - 14
BILLY JOE (Pvt) 1350 - 22
ERNST FLD (Pvt) 2850 - 30
BANNING MUNI (BNG) AWOS-3 134.625 2222 *L 49 122.8 C RP 26
REDLANDS MUNI (REI) 1574 *L 45 123.05 C RP 26
SAN BERNARDINO INTL (SBD) CT - 119.45 ★ C ATIS 124.175 1159 L 100 122.975 RP 6
HESPERIA (L26) 3390 *L 39 123.0 C RP 3
LAKE ARROWHEAD (Pvt) 4610 - 32 123.075
BIG BEAR CITY (L35) AWOS-3 135.925 6752 *L 58 122.725 C RP 8
CAJON PASS (VPLCP)
APPLE VALLEY
Big Bear Lake
ZAMPERINI FLD (TOA) CT - 124.0 ★ C 133.075 ATIS 125.6 103 *L 50 122.95 RP 11R, 29R
COMPTON/ WOODLEY (CPM) AWOS-3PT 127.15 99 *L 33 123.05 C RP 7L 7R
LONG BEACH (DAUGHERTY FLD) (LGB) CT - 119.4 ★ C 120.5 ★ ATIS 127.75 60 L 100 122.95 RP 8R 26R
LOS ALAMITOS AAF (SLI) CT - 123.85 ★ C ATIS 118.875 379.975 36 L 80
VORTAC SEAL BEACH 115.7 Ch 104 SLI
FULLERTON MUNI (FUL) CT - 119.1 ★ C ATIS 125.05 96 L 31 122.95 RP 24
DISNEYLAND (VPLDL)
ANGEL STADIUM AT ANAHEIM
SANTA ANA CLASS C
JOHN WAYNE/ ORANGE COUNTY (SNA) CT - 119.9 ★ 126.8 ★ C ATIS 126.0 56 L 57 122.95 RP 2R 20R
MILE SQUARE PARK (VPLMS)
EL TORO 117.2 Ch 119 ELB
SANTA ANA RCO RIVERSIDE
HUNTINGTON PIER (VPLHP)
QUEEN MARY (VPLQM)
VINCENT THOMAS BRIDGE (VPLVT)
POINT FERMIN
ANGELS GATE
QUEENS GATE
POINT VICENTE
PALOS VERDES POINT
KING HARBOR (VPLKH)
MANHATTAN BEACH PIER (VPLMB)
HAWTHORNE & 405 FREEWAY (VPLSR)
DANA POINT (VPLDP)
SAN CLEMENTE
R-2503 A & D
R-2503B
R-2503C
CATALINA (AVX) ASOS 120.675 1602 *L 30 122.7 C RP 22
Santa Catalina Island
Santa Barbara Island
P A C I F I C
O C E A N
Santa Monica Bay
San Pedro Channel
LOS ANGELES CLASS B
MODE C & ADS-B OUT 30 NM
SAN GABRIEL MTNS
LAKE ELSINORE
MURRIETA
TEMECULA
118°45'
118°30'
118°15'
118°00'
117°45'
117°30'
117°15'
117°00'
34°30'
34°15'
34°00'
33°45'
33°30'
NAUTICAL MILES
STATUTE MILES
KILOMETERS
CONVERSION OF ELEVATIONS
FEET (Thousands)
METERS (Thousands)
GROUND ELEVATIONS IN FEET
11499
Sea Level
CONTOUR INTERVAL 500'
5500 MSL
1200 AGL

NOTICE TO PILOTS
California Condors (Endangered Species) nesting in the Sespe Sanctuary in flight between the Sisquac and Sespe Sanctuaries and soaring throughout adjacent mountains. Pilots are requested to maintain 3000 ft terrain clearance (9000 + MSL RECOMMENDED) when flying over or near the sanctuaries.

Caution: At or below 2000' when operating along a line parallel to and one mile North along the 91 Freeway Corridor from West where the extension of that line intersects the beach just South of Manhattan Beach pier, East along the 91 Freeway to Prado Dam and all areas North of this line in the LA Basin, pilots are encouraged to make regular position reports on 123.025 when not in contact with ATC. ATC flight following is recommended.

Caution: At or below 2000' when operating along a line parallel to and one mile North along the 91 Freeway Corridor from West where the extension of that line intersects the beach just South of Manhattan Beach pier, East along the 91 Freeway to Prado Dam and all areas South of this line in the LA Basin, pilots are encouraged to make regular position reports on 122.85 when not in contact with ATC. ATC flight following is recommended.

LOS ANGELES CLASS B AIRSPACE
See back of this chart for procedural information within the Los Angeles Class B Airspace

EXAMPLES OF CLASS B ALTITUDES
70 --- Ceiling in hundreds of feet MSL
30 --- Floor in hundreds of feet MSL

Warning: National Defense Operating Areas Operations hazardous to the flight of aircraft conducted within these areas.

Aircraft operating in the vicinity of W-289 and W-292 should contact Plead Control on 132.425, 306.6 or Los Angeles Center/FSS.

NOAA REGULATED NATIONAL MARINE SANCTUARY DESIGNATED AREAS
(see http://sanctuaries.noaa.gov/flight)

Flight operations below 1000' AGL over the designated areas within the Channel Islands National Marine Sanctuary violate NOAA regulations (see 15 CFR 922).

Entire area of this chart is within the Pacific Standard Time Zone +8 (+7DT) = UTC

Lambert Conformal Conic Projection Standard Parallels 33° and 45°
Horizontal Datum: North American Datum of 1983 (World Geodetic System 1984)

CTC SOCAL APP ON 125.2 OR 323.275

CTC SOCAL APP NORTH OF SLI 251° ON 124.3 OR 363.2

CTC SOCAL APP SOUTH OF SLI 251° ON 127.4 OR 263.025

CTC SOCAL APP WITHIN 20 NM 3000' & BLW ON 125.35 316.125 ABV 3000' ON 127.2 269.6

FOR ALL LAX CLASS B ROUTES CTC SOCAL APP ON 128.1 OR 281.4

CAUTION: Intensive Parachute Activity at or below 18,000 MSL Advisory freq 122.775 or SOCAL 134.0

CAUTION: Intensive Parachute Activity at or below 18,000 MSL Advisory freq 122.9 or SOCAL 134.0

CAUTION: Military helicopter training below 6000 MSL. Advisory freq 122.9 or SOCAL 134.0

CTC SOCAL on 124.1 or 127.3 for Restricted Area activity status

CAUTION LASER LIGHT ACTIVITY See Supplement

LOS ANGELES

CONTROL TOWER FREQUENCIES ON LOS ANGELES TERMINAL AREA CHART

Airports with control towers are indicated on the face of the chart by the letters CT followed by the primary VHF tower frequency(ies). Information for each tower is listed in the table below. Operational hours are local time. The primary VHF and UHF tower and ground control frequencies are listed.

Automatic Terminal Information Service (ATIS) frequencies shown on the face of the chart are arrival VHF/UHF frequencies. All ATIS frequencies are listed in the table below. ATIS operational hours may differ from tower operational hours.

ASR and/or PAR indicate Radar Instrument Approach available.

"MON-FRI" indicates Monday through Friday.

O/T indicates other times.

CONTROL TOWER	OPERATES	TOWER	GND CON	ATIS	ASR/PAR
BOB HOPE	CONTINUOUS	118.7 254.3 132.325 (HELI)	123.9 348.6	134.5 135.125 (ARR VIA FIM/PMD VORTAC ONLY)	
BRACKETT FLD	0700-2100	118.2 (RWY 08R/26L) 133.3 (RWY 08L/26R)	125.0	124.4	
CAMARILLO	0700-2100	128.2 269.4	121.8	126.025	
CHINO	0700-2100	118.5	121.6	125.85	
FULLERTON MUNI	0700-2100	119.1	121.8	125.05	
JACK NORTHROP FLD/ HAWTHORNE MUNI	0600-2200	121.1 257.8	125.1	118.4	
JOHN WAYNE/ORANGE COUNTY	0615-2300	119.9 (RWY 02R/20L) 126.8 (RWY 02L/20R) 343.625	120.8	126.0	
LONG BEACH (DAUGHERTY FLD)	0615-2345	119.4 (RWY 30 ARR RWY 12 DEP) 120.5 (RWY 12 ARR RWY 30 DEP) 257.6	133.0 257.6	127.75	
LOS ALAMITOS AAF	0700-1600 MON & FRI 0700-2200 TUE-THU 0700-1600 SAT-SUN CLSD FED HOL O/T BY NOTAM	123.85 251.15	126.95 257.95	118.875 379.975	ASR/PAR
LOS ANGELES INTL	CONTINUOUS	133.9 239.3 (N COMPLEX) 120.95 379.1 (S COMPLEX) 119.8 239.9 (HELI)	121.4 (W) 121.65 (N COMPLEX) 121.75 (S COMPLEX) 327.0	133.8 (ARR) 135.65 (DEP)	
MARCH ARB	CONTINUOUS	127.65 253.5	121.75 335.8	134.75 239.05	
ONTARIO INTL	CONTINUOUS	120.6 360.775	121.9 257.8	124.25	
POINT MUGU NAS (NAVAL BASE VENTURA CO)	0700-2300 CLSD HOL	124.85 290.375 340.2	121.6 360.2	125.55 363.05	ASR/PAR
RIVERSIDE MUNI	0700-2000	121.0 257.8	124.12	128.8	
SAN BERNARDINO INTL	0700-2100	119.45	121.8	124.175	
SAN GABRIEL VALLEY	0800-2000	121.2	125.9	118.75	
SANTA MONICA MUNI	0700-2100	120.1 257.8	121.9	119.15	
VAN NUYS	0600-2245	119.3 (162°-345° & RWY 16R/34L DEP) 120.2 (346°-161° & RWY 16L/34R DEP) 239.0	121.7	127.55	
WHITEMAN	0800-2000	135.0	125.0	132.1	
ZAMPERINI FLD	0700-2000	124.0 (S) 133.075 (N) 257.8	120.9	125.6	

CLASS B, CLASS C, TRSA, AND SELECTED APPROACH CONTROL FREQUENCIES

FACILITY	FREQUENCIES	SERVICE AVAILABILITY
LOS ANGELES CLASS B	124.3 124.5 124.9 125.2 127.4 128.75 134.9 235.975 263.025 269.0 323.275 346.25 363.2	CONTINUOUS
BURBANK CLASS C	120.4 360.6 (VNY 280°-BUR 050°) 134.2 338.2 (VNY 160°-280°) 135.05 317.5 (BUR 050°-150°) 124.6 298.85 (BUR 150°-VNY 160°)	CONTINUOUS
ONTARIO CLASS C	127.0 318.2 (N-NE) 379.25 (NE-E) 134.0 278.3 (NE-S) 278.3 (E-S) 135.4 377.125 (S-SW) 125.5 349.0 (SW-N)	CONTINUOUS
RIVERSIDE MARCH FIELD CLASS C	119.25 133.5 270.275 306.975 O/T SOCAL APP 134.0 278.3	0700-2300 CLSD HOL
SANTA ANA CLASS C	121.3 263.1 (315°-045° SNA) 124.1 132.7 279.575 350.325 (045°-130° SNA) 128.1 281.4 (130°-190° SNA) 125.35 316.125 (190°-315° SLI) 127.2 269.6 (190°-315° ABV 3000 SNA)	0615-2300 O/T CLASS G
POINT MUGU NAS (NAVAL BASE VENTURA CO)	128.65 307.275 335.5 O/T 135.5 327.1 LOS ANGELES CNTR	0700-2300

SPECIAL USE AIRSPACE ON LOS ANGELES TERMINAL AREA CHART

Unless otherwise noted altitudes are MSL and in feet. Time is local.
"TO" an altitude means "To and including."
FL – Flight Level
NO A/G – No air to ground communications. Contact Flight Service for information.

† Other times by NOTAM.
NOTAM – Use of this term in Restricted Areas indicates FAA and DoD NOTAM systems. Use of this term in all other Special Use areas indicates the DoD NOTAM system.

U.S. P–PROHIBITED, R–RESTRICTED, W–WARNING, A–ALERT, MOA–MILITARY OPERATIONS AREA

NUMBER	ALTITUDE	TIME OF USE	CONTROLLING AGENCY/ CONTACT FACILITY	FREQUENCIES
R-2503 A	TO 2000	0600-2400†	LOS ANGELES CNTR	125.65
R-2503 B	TO 15,000	0600-2400†	LOS ANGELES CNTR	125.65
R-2503 C	15,000 TO FL 270	INTERMITTENT BY NOTAM 24 HRS IN ADVANCE	LOS ANGELES CNTR	125.65
R-2503 D	2000 TO 11,000	INTERMITTENT BY NOTAM 24 HRS IN ADVANCE	SOCAL TRACON	124.1 127.3
R-2519	UNLIMITED	CONTINUOUS	LOS ANGELES CNTR	135.5
W-289 S, E, W	UNLIMITED	INTERMITTENT BY NOTAM	LOS ANGELES CNTR	132.15
W-292 E	UNLIMITED	INTERMITTENT BY NOTAM	LOS ANGELES CNTR	132.15

NORTH AMERICAN AEROSPACE DEFENSE COMMAND (NORAD) PROCEDURES

All aircraft operating in the U.S. national airspace, if capable, will maintain a listening watch on guard frequencies VHF 121.5 or UHF 243.0. It is incumbent upon all aviators to know and understand their responsibilities if intercepted. Review "AIM" section 5-6-13 for intercept procedures. Additionally, if U.S. military fighter jets intercept an aircraft and flares are dispensed in the area of that aircraft, aviators will pay strict attention, contact air traffic control immediately on the local frequency or on VHF guard 121.5 or UHF 243.0 and follow the interceptor visual ICAO signals. Be advised that non-compliance may result in the use of force.

ATTENTION

THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF). The Maximum Elevation Figures shown in quadrangles bounded by ticked lines of latitude and longitude are represented in THOUSANDS and HUNDREDS of feet above mean sea level. The MEF is based on information available concerning the highest known feature in each quadrangle, including terrain and obstructions (trees, towers, antennas, etc.).

Example: 12,500 feet 12 5

Features normally used as checkpoints for controlling VFR traffic are emphasized on this series of charts so they may be readily identified.

Example: POWER PLANT

The name shown is that used by the controlling personnel and is not necessarily the official name of the feature.

DISNEYLAND THEME PARK

Pursuant to Public Law 108-199, Section 521, aircraft flight operations are prohibited at and below 3000 feet AGL within a 3 nautical mile radius of the Disneyland Theme Park (334805N/1175517W or the Seal Beach (SLI) VORTAC 066 degree radial at 6.8 nautical miles) except as specified. See Supplement for details

FOR PROCUREMENT: For digital products, visit http://www.faa.gov/air_traffic/flight_info/aeronav/digital_products/
For a list of approved FAA Print Providers, visit our website at: http://www.faa.gov/air_traffic/flight_info/aeronav/print_providers/

REPORTING CHART ERRORS

You are requested to inform us of chart errors and/or additions that come to your attention while using this chart. See frequently asked questions (FAQs) on our website at http://faa.gov/go/ais/ prior to contacting us via toll free number at 1-800-638-8972 or visit https://www.faa.gov/air_traffic/flight_info/aeronav/aero_data/ or mail to: FAA, Aeronautical Information Services,1305 East-West Highway, SSMC 4, Suite 4400, Silver Spring, MD 20910-3281.

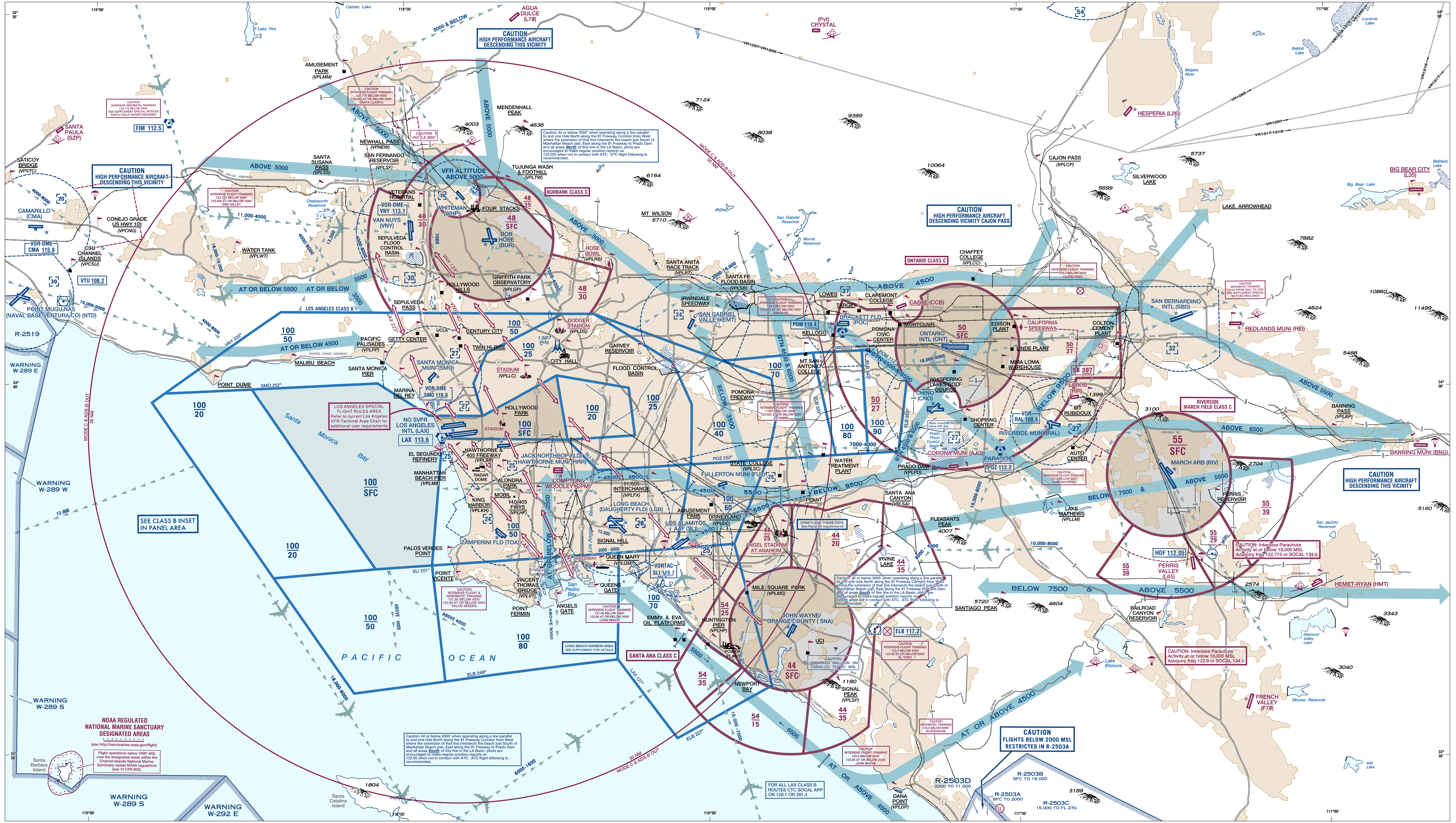
Class G Airspace within the United States extends up to 14,500 feet MSL. At and above this altitude all airspace is within Class E Airspace, excluding the airspace less than 1500 feet above the terrain and certain special use airspace areas.

CAUTION: Severe turbulence may occur over rugged terrain. See AIM.

MILITARY TRAINING ROUTES (MTRs)

All IR and VR MTRs are shown, and may extend from the surface upwards. Only the route centerline, direction of flight along the route, and the route designator are depicted - route widths and altitudes are not shown.

DoD users refer to Area Planning AP/1B Military Training Routes North and South America for current routes.


119°00'
118°30'
118°00'
117°30'
117°00'
34° 30'
34° 00'
33° 30'
Castaic Lake
Lake Piru
AGUA DULCE (L70)
8000 & BELOW
CAUTION HIGH PERFORMANCE AIRCRAFT DESCENDING THIS VICINITY
AMUSEMENT PARK (VPLMM)
CAUTION INTENSIVE FLIGHT TRAINING 122.775 BELOW 4500' 123.025 AT OR BELOW 2000' SANTA CLARITA
CAUTION INTENSIVE AEROBATIC TRAINING 122.775 BELOW 5500' SEE SUPPLEMENT SPECIAL NOTICES SANTA PAULA WAIVER REQUIRED
SANTA PAULA (SZP)
FIM 112.5
SATICOY BRIDGE (VPSTC)
CAMARILLO (CMA)
VOR-DME CMA 115.8
CONEJO GRADE US HWY 101 (VPCNG)
CSU CHANNEL ISLANDS (VPCSU)
VTU 108.2
POINT MUGU NAS (NAVAL BASE VENTURA CO) (NTD)
R-2519
WARNING W-289 E
WARNING W-289 W
WARNING W-289 S
WARNING W-292 E
MENDENHALL PEAK
4003
4636
ABOVE 5000
NEWHALL PASS (VPNEW)
SAN FERNANDO RESERVOIR (VPLSF)
SANTA SUSANA PASS (VPLSS)
CAUTION VNY ILS 3800'
VFR ALTITUDE ABOVE 5000
TUJUNGA WASH & FOOTHILL (VPLTW)
BURBANK CLASS C
VETERANS HOSPITAL
VOR-DME VNY 113.1
VAN NUYS (VNY)
WHITEMAN (WHP)
FOUR STACKS
BOB HOPE (BUR)
48 SFC
48 35
48 30
SEPULVEDA FLOOD CONTROL BASIN
CAUTION INTENSIVE FLIGHT TRAINING 122.775 BELOW 4500' 123.025 AT OR BELOW 2000' SIMI VALLEY
11,000-4000
4000-8000
13,000
18,000-10,000
WATER TANK (VPLWT)
Chatsworth Reservoir
AT OR BELOW 5500
AT OR BELOW 3500
HOLLYWOOD HILLS
GRIFFITH PARK OBSERVATORY (VPLGP)
ROSE BOWL (VPLRB)
7000-4000
10,000-5000
LOS ANGELES CLASS B
SEPULVEDA PASS
LAX 323°
VNY 140°
VNY 125°
VNY 220°
100 50
AT OR BELOW 4500
PACIFIC PALISADES (VPLPP)
GETTY CENTER
UCLA
CENTURY CITY
TWIN HI-RISE
100 25
1387 bldg
DODGER STADIUM (VPLDS)
CITY HALL
MALIBU BEACH
SANTA MONICA PIER
POINT DUME
SMO 252°
SANTA MONICA MUNI (SMO)
VOR-DME SMO 110.8
STADIUM (VPLLC)
MARINA DEL REY
HOLLYWOOD PARK
100 SFC
100 20
LOS ANGELES SPECIAL FLIGHT RULES AREA Refer to current Los Angeles VFR Terminal Area Chart for additional user requirements
NO SVFR LOS ANGELES INTL (LAX)
LAX 113.6
Santa Monica Bay
SEE CLASS B INSET IN PANEL AREA
MODE C & ADS-B OUT 30 NM
EL SEGUNDO REFINERY
HAWTHORNE & 405 FREEWAY (VPLSR)
JACK NORTHROP FLD/ HAWTHORNE MUNI (HHR)
RADAR DOME
MANHATTAN BEACH PIER (VPLMB)
ALONDRA PARK
COMPTON/ WOODLEY (CPM)
MOBIL
KING HARBOR (VPLKH)
110/405 FWYS (VPLHF)
ZAMPERINI FLD (TOA)
PALOS VERDES POINT
SLI 251°
POINT VICENTE
CAUTION INTENSIVE FLIGHT & AEROBATIC TRAINING 121.95 BELOW 4500' 122.85 AT OR BELOW 2000' PALOS VERDES
VINCENT THOMAS BRIDGE (VPLVT)
POINT FERMIN
ANGELS GATE
ABOVE 4000
ABOVE 3000
100 80
PACIFIC OCEAN
ELB 249°
13,000
18,000-6000
6000-1600
LONG BEACH HARBOR AREA SEE SUPPLEMENT FOR DETAILS
Caution: At or below 2000' when operating along a line parallel to and one mile North along the 91 Freeway Corridor from West where the extension of that line intersects the beach just South of Manhattan Beach pier, East along the 91 Freeway to Prado Dam and all areas North of this line in the LA Basin, pilots are encouraged to make regular position reports on 123.025 when not in contact with ATC. ATC flight following is recommended.
Caution: At or below 2000' when operating along a line parallel to and one mile North along the 91 Freeway Corridor from West where the extension of that line intersects the beach just South of Manhattan Beach pier, East along the 91 Freeway to Prado Dam and all areas South of this line in the LA Basin, pilots are encouraged to make regular position reports on 122.85 when not in contact with ATC. ATC flight following is recommended.
NOAA REGULATED NATIONAL MARINE SANCTUARY DESIGNATED AREAS (see http://sanctuaries.noaa.gov/flight)
Flight operations below 1000' AGL over the designated areas within the Channel Islands National Marine Sanctuary violate NOAA regulations (see 15 CFR 922).
Santa Barbara Island
Santa Catalina Island
1804
CATALINA (AVX)
(Pvt) CRYSTAL
VR1257-VR1265
7124
8038
9399
6164
10064
MODE C & ADS-B OUT 30 NM
MT WILSON 5710
San Gabriel Reservoir
Morris Reservoir
SANTA ANITA RACE TRACK (VPLRT)
3500-14,000
SANTA FE FLOOD BASIN (VPLSB)
IRWINDALE SPEEDWAY
CAUTION INTENSIVE FLIGHT TRAINING 123.3 BELOW 4500' 123.025 AT OR BELOW 2000' SANTA FE
SAN GABRIEL VALLEY (EMT)
POM 110.4
KELLOGG
LOWES
TARGET
CLAREMONT COLLEGE
BRACKETT FLD (POC)
MONTCLAIR
POMONA CIVIC CENTER
GARVEY RESERVOIR
FLOOD CONTROL BASIN
SMO 071°
BTN 4500 & 6500
BELOW 3500
100 70
100 40
100 90
MT SAN ANTONIO COLLEGE
POMONA FREEWAY
CAUTION INTENSIVE FLIGHT TRAINING 123.3 BELOW 4000' 123.025 AT OR BELOW 2000' LA HABRA
ELB 333°
ELB 343°
ELB 353°
POM 112°
CAUTION HIGH PERFORMANCE AIRCRAFT DESCENDING VICINITY CAJON PASS
ONTARIO CLASS C
CHAFFEY COLLEGE (VPLCC)
ABOVE 4500
CABLE (CCB)
ONTARIO INTL (ONT)
50 SFC
50 27
18,000-4000
WHISPERING LAKES GOLF COURSE
CHINO (CNO)
Radio controlled aircraft below 400' AGL
Prado Flood Control Basin
CORONA MUNI (AJO)
PRADO DAM (VPLPD)
SHOPPING CENTER
EDISON PLANT
CALIFORNIA SPEEDWAY
LINDE PLANT
MIRA LOMA WAREHOUSE
SB 397
FLABOB (RIR)
1399
MT RUBIDOUX
VOR RAL 108.6
RIVERSIDE MUNI (RAL)
PARADISE
PDZ 112.2
AUTO CENTER
COLTON CEMENT PLANT
CAUTION INTENSIVE FLIGHT TRAINING 123.3 BELOW 4500' CAJON PASS
CAJON PASS (VPLCP)
HESPERIA (L26)
Mojave River
Rabbit Lake
Lucerne Lake
VR1265
VR1257
VR1217-1218
VR1214-1215
5737
SILVERWOOD LAKE
5699
LAKE ARROWHEAD
Big Bear Lake
Baldwin Lake
BIG BEAR CITY (L35)
7882
10860
11499
4624
5488
SAN BERNARDINO INTL (SBD)
CAUTION AEROBATIC TRAINING 123.05 FROM 3500' TO 7500' SEE SUPPLEMENT SPECIAL NOTICES REDLANDS
REDLANDS MUNI (REI)
ABOVE 5500
BANNING PASS (VPLBP)
BANNING MUNI (BNG)
ABOVE 6500
3100
RIVERSIDE MARCH FIELD CLASS C
55 SFC
MARCH ARB (RIV)
BELOW 7500 & ABOVE 5500
2704
PERRIS RESERVOIR
55 39
55 29
CAUTION: Intensive Parachute Activity at or below 18,000 MSL Advisory freq 122.775 or SOCAL 134.0
HDF 112.05
PERRIS VALLEY (L65)
HEMET-RYAN (HMT)
2574
CAUTION HIGH PERFORMANCE AIRCRAFT DESCENDING THIS VICINITY
5160
San Jacinto Reservoir
3343
Diamond Valley Lake
3040
CAUTION: Intensive Parachute Activity at or below 18,000 MSL Advisory freq 122.9 or SOCAL 134.0
Lake Elsinore
FRENCH VALLEY (F70)
Skinner Reservoir
Vail Lake
PDZ 252°
STATE COLLEGE (VPLSC)
FULLERTON MUNI (FUL)
BELOW 9500
WATER TREATMENT PLANT
7000-4000
100 60
91/605 INTERCHANGE (VPLFX)
LONG BEACH (DAUGHERTY FLD) (LGB)
AMUSEMENT PARK
DISNEYLAND (VPLDL)
DISNEYLAND THEME PARK See Panel for requirements
ANGEL STADIUM AT ANAHEIM
44 25
44 20
LOS ALAMITOS AAF (SLI)
SIGNAL HILL
3000 - 6000
SPEEDWAY
QUEEN MARY (VPLQM)
VORTAC SLI 115.7
SLI 120°
SLI 300°
LAX 123°
QUEENS GATE
San Pedro Bay
CAUTION INTENSIVE FLIGHT TRAINING 121.95 BELOW 4500' 122.85 AT OR BELOW 2000' LONG BEACH
EMMY & EVA OIL PLATFORMS
SANTA ANA CLASS C
HUNTINGTON PIER (VPLHP)
POWER PLANT
MILE SQUARE PARK (VPLMS)
JOHN WAYNE/ ORANGE COUNTY (SNA)
UCI
44 SFC
54 25
54 35
54 15
CAUTION: UNMARKED BALLOON ON CABLE TO 767' UC MSL
ELB 117.2
CAUTION INTENSIVE FLIGHT TRAINING 123.5 BELOW 4500' 122.85 AT OR BELOW 2000' EL TORO
NEWPORT BAY
1180 SIGNAL PEAK (VPLSP)
44 35
LAX 127°
ELB 227°
10,000-7000
6500
5500
FOR ALL LAX CLASS B ROUTES CTC SOCAL APP ON 128.1 OR 281.4
CAUTION INTENSIVE FLIGHT TRAINING 123.5 BELOW 4500' 122.85 AT OR BELOW 2000' JOHN WAYNE
CAUTION AEROBATIC TRAINING 123.5 BELOW 6000' BLOCKHOUSE
AT OR ABOVE 4500
DANA POINT (VPLDP)
SANTA ANA CANYON (VPLSA)
PLEASANTS PEAK 4007
IRVINE LAKE
10,000-8000
LAKE MATHEWS (VPLLM)
CAUTION INTENSIVE FLIGHT TRAINING 123.5 BELOW 4500' LAKE MATHEWS
8000 - 4000
5720 SANTIAGO PEAK
4604
RAILROAD CANYON RESERVOIR
CAUTION FLIGHTS BELOW 2000 MSL RESTRICTED IN R-2503A
R-2503D 2000 TO 11,000
R-2503B SFC TO 15,000
R-2503A SFC TO 2000
R-2503C 15,000 TO FL 270
3189

VFR FLYWAY PLANNING CHART
LOS ANGELES
Scale 1:250,000

NOT TO BE USED FOR NAVIGATION

AIRPORTS
Paved Runways
NAME (NAM)
NAME (NAM)
Unpaved Runways
○ NAME (NAM)

RADIO AIDS TO NAVIGATION
VOR DLG 138.8
NDB DCW 262
VORTAC PPS 121.8
NDB-DME RMW 320
VOR-DME KIP 110.7
DME PVU CH 21 (108.4)

AIRPORT TRAFFIC SERVICE AND AIRSPACE INFORMATION

Class B Airspace

Class C Airspace (Mode C - see FAR 91.215/AIM.)

Class B/C Surface Area

Prohibited, Restricted, and Warning Areas

*Alert Area and Military Operations Area (MOA)

*Alert Areas do not extend into Class A, B, C and D airspace, or Class E airport surface areas.

IFR Departure Routes

IFR Arrival Routes

IFR Arrival/Departure Routes

Examples of Class B Airspace Altitudes

70 - - - Ceiling in hundreds of feet MSL

30 - - - Floor in hundreds of feet MSL

Mode C (See FAR 91.215/AIM.)

Class D Airspace

[40] Ceiling of Class D Airspace in hundreds of feet (A minus ceiling value indicates surface up to but not including that value.)

Class E (sfc) Airspace

Suggested VFR Flyway and Altitude

2600 | 6700

OBSTRUCTIONS (Selected)
2049

MISCELLANEOUS
Navigation Reference Point
N39° 56.32'
W120° 36.91'

TOPOGRAPHIC INFORMATION
12256 Mountain Top or Peak and Spot Elevation

THIS CHART IDENTIFIES VFR FLYWAYS DESIGNED TO HELP VFR PILOTS AVOID MAJOR CONTROLLED TRAFFIC FLOWS. IT DEPICTS MULTIPLE VFR ROUTINGS THROUGHOUT THE LOS ANGELES AREA WHICH MAY BE USED AS ALTERNATES TO FLIGHT WITHIN THE ESTABLISHED CLASS B/CLASS C AIRSPACE. ITS GROUND REFERENCES PROVIDE A GUIDE FOR IMPROVED VISUAL NAVIGATION. THIS IS NOT INTENDED TO DISCOURAGE REQUESTS FOR VFR OPERATIONS WITHIN THE CLASS B/ CLASS C AIRSPACE BUT IS DESIGNED SOLELY FOR INFORMATION AND PLANNING PURPOSES.

CAUTION

THE ENTIRE LOS ANGELES AREA IS HEAVILY CONGESTED WITH MANY DIFFERENT AIRCRAFT TYPES. THESE ROUTE SUGGESTIONS ARE NOT STERILE OF OTHER TRAFFIC; THEY ARE AREAS WE BELIEVE LEAST CONGESTED IN AN AREA OF HEAVY CONGESTION. PILOT ADHERENCE TO VFR RULES MUST BE EXERCISED AT ALL TIMES. COMMUNICATIONS MUST BE MAINTAINED BETWEEN AIRCRAFT AND CONTROL TOWERS WHILE IN CLASS D AIRSPACE.

VFR TRANSITION ROUTES

THIS CHART ALSO IDENTIFIES VFR TRANSITION ROUTES IN THE LOS ANGELES CLASS B AIRSPACE. OPERATION ON THESE ROUTES REQUIRES ATC AUTHORIZATION FROM LOS ANGELES APPROACH CONTROL. UNTIL AUTHORIZATION IS RECEIVED, REMAIN OUTSIDE CLASS B AIRSPACE. DEPICTION OF THESE ROUTES IS TO ASSIST PILOTS IN POSITIONING THE AIRCRAFT IN AN AREA OUTSIDE THE CLASS B AIRSPACE WHERE ATC CLEARANCE CAN NORMALLY BE EXPECTED WITH MINIMAL OR NO DELAY. ON INITIAL CONTACT, ADVISE ATC OF POSITION, ALTITUDE, ROUTE NAME DESIRED, AND DIRECTION OF FLIGHT. REFER TO CURRENT LOS ANGELES VFR TERMINAL AREA CHART FOR USER REQUIREMENTS.

LOS ANGELES CLASS B AIRSPACE

OPERATING RULES AND PILOT/EQUIPMENT REQUIREMENTS. Regardless of weather conditions, an ATC authorization is required prior to operating within the Class B Airspace. Pilots should not request an authorization to operate within the Class B Airspace unless the requirements of FAR 91.215 and FAR 91.131 are met. Included among those requirements are:

1. Unless otherwise authorized by ATC, an operable two-way radio capable of communicating with ATC on appropriate frequencies for that Class B Airspace.
2. No person may take off or land a civil aircraft at the Los Angeles International Airport unless the pilot in command holds at least a Private Pilot certificate.
3. Except as noted in 2. above, no person may take off or land a civil aircraft at an airport within the Class B Airspace or operate a civil aircraft within the Class B Airspace unless:
   (a) The pilot in command holds at least a Private Pilot certificate, or holds a Recreational Pilot certificate and has met the requirements of FAR 61.101(d); or holds a Sport Pilot certificate and has met the requirements of FAR 61.325, or:
   (b) The aircraft is operated by a student pilot who has met the requirements of FAR 61.94 or FAR 61.95 as applicable.
4. Unless otherwise authorized by ATC, each person operating a large turbine engine-powered aircraft to or from a primary airport shall operate at or above the designated floors while within the lateral limits of the Class B Airspace.
5. An operable VOR or TACAN receiver for IFR operations.
6. A transponder with automatic altitude reporting equipment.

NOTE: ATC may, upon notification, immediately authorize a deviation from the altitude reporting equipment requirement or for a transponder failure; however, other requests for deviations from the transponder equipment requirement must be submitted to the controlling ATC facility at least one hour before the proposed operation.

FLIGHT PROCEDURES

IFR FLIGHTS—Aircraft operating within the Los Angeles Class B Airspace must be operated in accordance with ATC clearances and instructions.

VFR FLIGHTS—

1. Arriving aircraft should contact the appropriate approach control on specified frequencies and in relation to geographic fixes shown on the accompanying chart. Although arriving aircraft may be operating beneath the floor of the Class B Airspace on initial contact, communications should be established with approach control in relation to the points indicated for sequencing and spacing purposes.
2. Aircraft departing the primary airports are requested to advise clearance delivery prior to taxiing of their intended altitude and direction of flight to depart the Class B Airspace. Aircraft departing from other than the primary airports whose route of flight would penetrate the Class B Airspace should give this information to ATC on the appropriate frequencies.
3. Aircraft desiring to transit the Class B Airspace must obtain an ATC clearance to enter the Class B Airspace and will be handled on an ATC workload permitting basis.

ATC PROCEDURES

All aircraft will be controlled and separated while operating within the Class B Airspace, except helicopters need not be separated from other helicopters. Although radar separation will be the primary standard used, approved visual and other nonradar procedures will be applied as required or deemed appropriate. Traffic information on observed but unidentified radar targets will be provided on a workload permitting basis to aircraft operating outside the Class B Airspace.

NOTE: Assignment of radar headings and/or altitudes is based on the provision that a pilot operating in accordance with visual flight rules is expected to advise ATC if compliance with an assigned route, radar heading, or altitude will cause the pilot to violate such rules.

CAUTION: Unmanned Aircraft Systems (UAS) may be approved to operate above critical infrastructure including obstacles and linear features such as high-voltage powerlines and railroads pipelines
Check NOTAMs and see AIM for details.

REGULATIONS REGARDING FLIGHTS OVER CHARTED NATIONAL PARK SERVICE AREAS, U.S. FISH AND WILDLIFE SERVICE AREAS, BUREAU OF LAND MANAGEMENT AREAS AND U.S. FOREST SERVICE AREAS

The landing of aircraft is prohibited on lands or waters administered by the National Park Service, U.S. Fish and Wildlife Service, Bureau of Land Management or U.S. Forest Service (hereafter referred to as Agency/Agencies) without authorization from the respective agency. Exceptions include: 1) when forced to land due to an emergency beyond the control of the operator, 2) at officially designated landing sites, or 3) on approved official business of the Federal Government. All aircraft are requested to maintain a minimum altitude of 2,000 feet above the surface of the following: National Parks, Monuments, Seashores, Lakeshores, Recreation Areas, Scenic Riverways, Wildlife Refuges, Big Game Refuges, Game Ranges, Wildlife Ranges, Conservation Areas, Wild and Scenic Rivers, Wilderness Areas and Primitive Areas administered by the Agencies. FAA Advisory Circular (AC) 91-36, "Visual Flight Rules (VFR) Flight Near Noise-Sensitive Areas," defines the surface as: the highest terrain within 2,000 feet laterally of the route of flight, or the upper-most rim of a canyon or valley. Federal regulations also prohibit airdrops by parachute or other means of persons, cargo, or objects from aircraft on lands administered by the four agencies without authorization from the respective agency. Exceptions include: 1) emergencies involving the safety of human life, or 2) threat of serious property loss.

• • • • • • • • Boundary of Agency Areas

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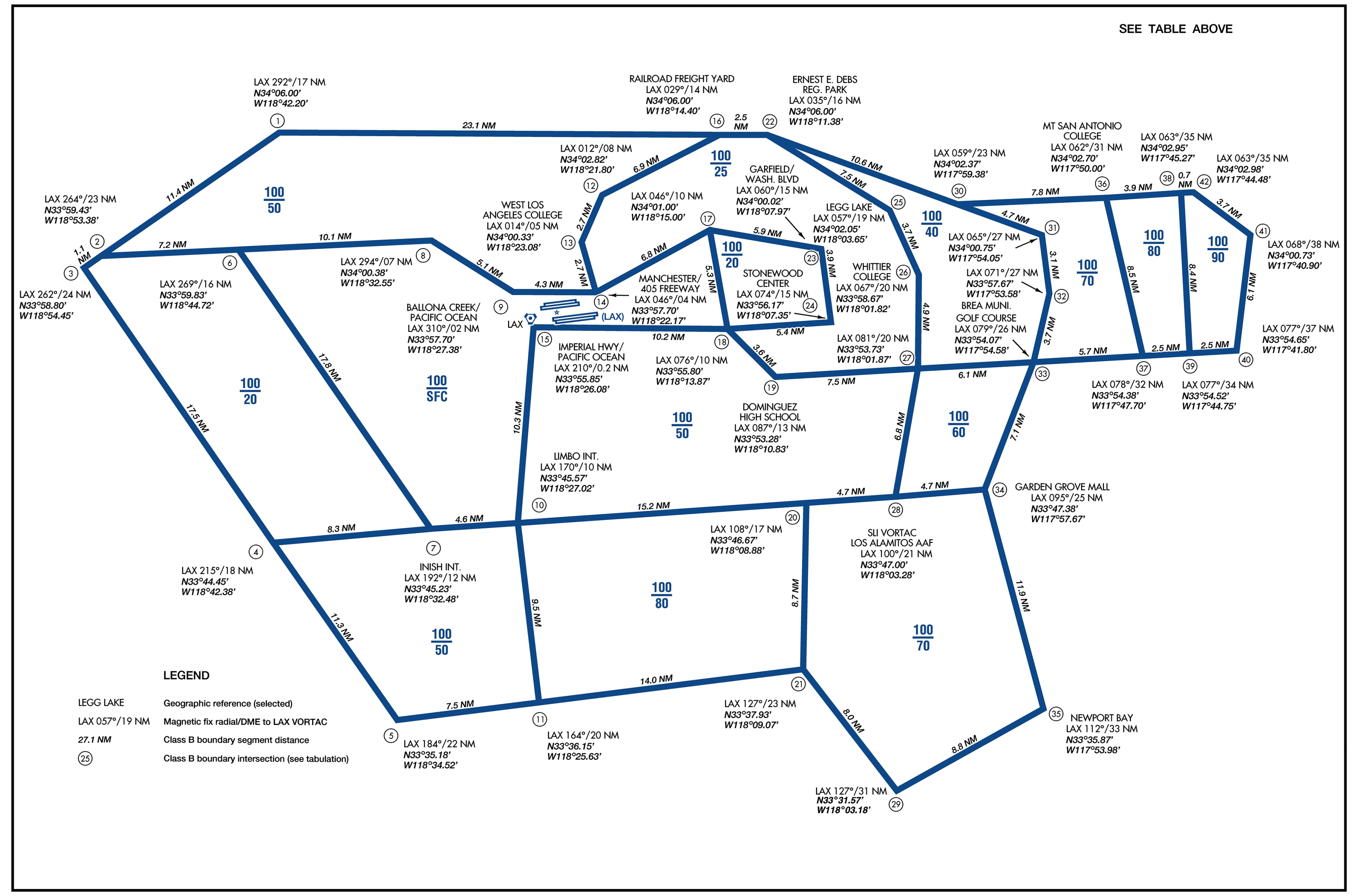
LOS ANGELES CLASS B AIRSPACE RADIAL/DME-AREA VORs

	SMO	FIM	SLI	POM	VNY	SXC
1	279°/13	135°/18	286°/38	257°/46	220°/13	327°/46
2	252°/22	166°/22	272°/44	250°/55	220°/24	313°/44
3	251°/23	168°/23	271°/44	249°/56	220°/25	311°/44
4	209°/18	151°/35	256°/33	235°/49	188°/28	315°/29
5	178°/26	147°/49	231°/29	218°/49	171°/38	313°/15
6	252°/14	148°/23	276°/37	249°/48	208°/19	321°/41
7	180°/16	140°/40	251°/24	228°/42	170°/28	330°/23
8	252°/04	126°/27	284°/28	249°/38	176°/13	336°/38
9	165°/03	123°/32	283°/23	243°/34	159°/16	342°/35
10	164°/15	134°/42	251°/20	225°/38	161°/28	341°/23
11	162°/24	138°/51	225°/22	213°/43	160°/37	343°/14
12	050°/05	111°/32	301°/22	251°/29	134°/12	349°/40
13	079°/04	115°/32	294°/21	247°/30	143°/14	348°/38
14	109°/05	118°/35	289°/19	242°/30	144°/17	349°/35
15	152°/05	124°/34	280°/21	240°/33	156°/18	344°/33
16	048°/12	101°/35	319°/21	258°/23	105°/15	357°/44
17	073°/10	108°/37	310°/17	246°/23	121°/17	357°/39
18	098°/12	113°/41	300°/12	233°/24	128°/22	001°/35
19	103°/16	114°/45	300°/09	225°/23	127°/25	006°/33
20	117°/21	118°/50	251°/05	210°/25	132°/32	014°/28
21	131°/27	125°/57	193°/10	199°/32	139°/39	026°/20
22	053°/14	099°/38	325°/20	259°/20	101°/17	360°/45
23	077°/16	105°/43	328°/14	240°/18	112°/22	006°/40
24	090°/17	108°/45	325°/10	228°/19	118°/25	009°/37
25	071°/20	100°/45	344°/15	244°/14	103°/24	009°/43
26	080°/21	103°/48	351°/12	229°/14	107°/27	013°/41
27	093°/22	108°/51	355°/07	213°/16	115°/30	017°/37
28	109°/24	115°/54	345°/00	202°/22	125°/34	022°/31
29	130°/35	125°/65	165°/15	187°/36	137°/47	049°/21
30	071°/23	098°/48	357°/16	242°/10	099°/27	013°/45
31	075°/28	098°/53	014°/16	220°/07	098°/32	019°/46
32	081°/28	100°/55	022°/13	202°/09	103°/34	022°/44
33	088°/28	104°/56	031°/10	195°/12	108°/35	024°/41
34	103°/28	111°/57	070°/05	192°/19	119°/37	028°/34
35	116°/37	118°/67	130°/14	176°/29	127°/48	048°/29
36	071°/31	094°/55	020°/19	214°/03	093°/34	021°/50
37	085°/34	101°/60	045°/15	167°/10	103°/40	029°/45
38	071°/35	093°/59	028°/22	122°/02	091°/38	024°/52
39	085°/36	100°/63	049°/17	154°/10	102°/42	031°/46
40	084°/38	099°/65	052°/19	141°/11	100°/44	033°/48
41	075°/39	094°/63	039°/23	112°/07	092°/42	029°/53
42	071°/36	093°/60	029°/22	112°/03	090°/39	025°/53

LOS ANGELES CLASS B AIRSPACE


SEE TABLE ABOVE
① LAX 292°/17 NM N34°06.00' W118°42.20'
② LAX 264°/23 NM N33°59.43' W118°53.38'
③ LAX 262°/24 NM N33°58.80' W118°54.45'
④ LAX 215°/18 NM N33°44.45' W118°42.38'
⑤ LAX 184°/22 NM N33°35.18' W118°34.52'
⑥ LAX 269°/16 NM N33°59.83' W118°44.72'
⑦ INISH INT. LAX 192°/12 NM N33°45.23' W118°32.48'
⑧ LAX 294°/07 NM N34°00.38' W118°32.55'
⑨ BALLONA CREEK/ PACIFIC OCEAN LAX 310°/02 NM N33°57.70' W118°27.38'
⑩ LIMBO INT. LAX 170°/10 NM N33°45.57' W118°27.02'
⑪ LAX 164°/20 NM N33°36.15' W118°25.63'
⑫ LAX 012°/08 NM N34°02.82' W118°21.80'
⑬ WEST LOS ANGELES COLLEGE LAX 014°/05 NM N34°00.33' W118°23.08'
⑭ (LAX)
⑮ IMPERIAL HWY/ PACIFIC OCEAN LAX 210°/0.2 NM N33°55.85' W118°26.08'
⑯ RAILROAD FREIGHT YARD LAX 029°/14 NM N34°06.00' W118°14.40'
⑰ LAX 046°/10 NM N34°01.00' W118°15.00'
⑱ LAX 076°/10 NM N33°55.80' W118°13.87'
⑲ DOMINGUEZ HIGH SCHOOL LAX 087°/13 NM N33°53.28' W118°10.83'
⑳ LAX 108°/17 NM N33°46.67' W118°08.88'
㉑ LAX 127°/23 NM N33°37.93' W118°09.07'
㉒ ERNEST E. DEBS REG. PARK LAX 035°/16 NM N34°06.00' W118°11.38'
㉓ GARFIELD/ WASH. BLVD LAX 060°/15 NM N34°00.02' W118°07.97'
㉔ MANCHESTER/ 405 FREEWAY LAX 046°/04 NM N33°57.70' W118°22.17'
STONEWOOD CENTER LAX 074°/15 NM N33°56.17' W118°07.35'
㉕ LEGG LAKE LAX 057°/19 NM N34°02.05' W118°03.65'
㉖ WHITTIER COLLEGE LAX 067°/20 NM N33°58.67' W118°01.82'
㉗ LAX 081°/20 NM N33°53.73' W118°01.87'
㉘ SLI VORTAC LOS ALAMITOS AAF LAX 100°/21 NM N33°47.00' W118°03.28'
㉙ LAX 127°/31 NM N33°31.57' W118°03.18'
㉚ LAX 059°/23 NM N34°02.37' W117°59.38'
㉛ LAX 065°/27 NM N34°00.75' W117°54.05'
㉜ LAX 071°/27 NM N33°57.67' W117°53.58'
㉝ BREA MUNI. GOLF COURSE LAX 079°/26 NM N33°54.07' W117°54.58'
㉞ GARDEN GROVE MALL LAX 095°/25 NM N33°47.38' W117°57.67'
㉟ NEWPORT BAY LAX 112°/33 NM N33°35.87' W117°53.98'
㊱ MT SAN ANTONIO COLLEGE LAX 062°/31 NM N34°02.70' W117°50.00'
㊲ LAX 078°/32 NM N33°54.38' W117°47.70'
㊳ LAX 063°/35 NM N34°02.95' W117°45.27'
㊴ LAX 077°/34 NM N33°54.52' W117°44.75'
㊵ LAX 077°/37 NM N33°54.65' W117°41.80'
㊶ LAX 068°/38 NM N34°00.73' W117°40.90'
㊷ LAX 063°/35 NM N34°02.98' W117°44.48'
23.1 NM
2.5 NM
10.6 NM
7.5 NM
11.4 NM
1.1 NM
7.2 NM
10.1 NM
5.1 NM
4.3 NM
6.9 NM
2.7 NM
2.7 NM
6.8 NM
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8.8 NM
100 50
100 25
100 20
100 SFC
100 20
100 40
100 70
100 80
100 90
100 50
100 60
100 80
100 50
100 70
LAX
LEGEND
LEGG LAKE Geographic reference (selected)
LAX 057°/19 NM Magnetic fix radial/DME to LAX VORTAC
27.1 NM Class B boundary segment distance
㉕ Class B boundary intersection (see tabulation)