

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GRAPHIC DEPARTURE PROCEDURES (DP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated
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| <u>DP NAME</u> | <u>NUMBER</u> | <u>DP COMPUTER CODE</u> | <u>SUPERSEDED NUMBER</u> | <u>DATED</u> | <u>EFFECTIVE DATE</u> |
|----------------|---------------|-------------------------|--------------------------|--------------|-----------------------|
| VVERA | TWO | VVERA2.VVERA | ONE | 03/02/2017 | 12 OCT 2017 |

| <u>TYPE:</u> | <u>OBSTACLE</u> | <u>COPTER</u> | <u>SID</u> | <u>SPECIAL</u> | <u>RNAV</u> |
|--------------|--------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|
| | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

DP ROUTE DESCRIPTION:

BOB HOPE

TAKEOFF RWY 8: CLIMBING RIGHT TURN HEADING 210.00 OR AS ASSIGNED BY ATC, EXPECT VECTORS TO CROSS CCHUM AT OR ABOVE 6800, THEN ON TRACK 002.82 TO CROSS KIMMO AT OR ABOVE 7000, THEN ON DEPICTED ROUTE TO VVERA, THENCE...

TAKEOFF RWY 15: CLIMBING RIGHT TURN HEADING 210.00 OR AS ASSIGNED BY ATC, EXPECT VECTORS TO CROSS CCHUM AT OR ABOVE 6800, THEN ON TRACK 002.82 TO CROSS KIMMO AT OR ABOVE 7000, THEN ON DEPICTED ROUTE TO VVERA, THENCE...

TAKEOFF RWY 26: CLIMBING RIGHT TURN HEADING 290.00 OR AS ASSIGNED BY ATC, EXPECT VECTORS TO CROSS CCHUM AT OR ABOVE 6800, THEN ON TRACK 002.82 TO CROSS KIMMO AT OR ABOVE 7000, THEN ON DEPICTED ROUTE TO VVERA, THENCE...

TAKEOFF RWY 33: CLIMBING LEFT TURN HEADING 270.00 OR AS ASSIGNED BY ATC, EXPECT VECTORS TO CROSS CCHUM AT OR ABOVE 6800, THEN ON TRACK 002.82 TO CROSS KIMMO AT OR ABOVE 7000, THEN ON DEPICTED ROUTE TO VVERA, THENCE...

VAN NUYS

TAKEOFF RWY 34L: CLIMBING LEFT TURN HEADING 250.00 TO 4000, EXPECT VECTORS TO CROSS CCHUM AT OR ABOVE 6800, THEN ON TRACK 002.82 TO CROSS KIMMO AT OR ABOVE 7000, THEN ON DEPICTED ROUTE TO VVERA, THENCE...

...ON (TRANSITION). MAINTAIN 13000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

| <u>TRANSITION NAME</u> | <u>TRANSITION COMPUTER CODE</u> | <u>FROM FIX/NAVAID</u> | <u>TO FIX/NAVAID</u> | <u>COURSE</u> | <u>DISTANCE</u> | <u>MEA</u> | <u>MOCA</u> | <u>CROSSING ALTITUDE/FIXES</u> |
|------------------------|---------------------------------|------------------------|----------------------|---------------|-----------------|------------|-------------|--------------------------------|
| DAGGETT | VVERA2.DAG | VVERA | SSETH | TRACK 064.88 | 37.07 | 13000 | 7200 | |
| | | | DAG VORTAC | TRACK 045.76 | 25.55 | 13000 | 6800 | |
| HECTOR | VVERA2.HEC | VVERA | SSETH | TRACK 064.88 | 37.07 | 13000 | 7200 | |
| | | | HEC VORTAC | TRACK 070.20 | 27.60 | 13000 | 8500 | |

PROCEDURAL DATA NOTES:

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

NOTE: RADAR REQUIRED

NOTE: THIS DEPARTURE PROCEDURE AUTHORIZED FOR TURBOPROP AIRCRAFT ONLY.

TAKEOFF MINIMUMS:

BOB HOPE

RWY 8: STANDARD WITH MINIMUM CLIMB OF 420 FEET PER NM TO 2500.

RWY 15: STANDARD WITH MINIMUM CLIMB OF 340 FEET PER NM TO 2100.

RWY 26: STANDARD WITH MINIMUM CLIMB OF 380 FEET PER NM TO 4800.

RWY 33: STANDARD WITH MINIMUM CLIMB OF 460 FEET PER NM TO 4900.



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VAN NUYS
RWY 16L, 16R, 34R: NA-ATC.
RWY 34L: STANDARD WITH MINIMUM CLIMB OF 370 FT PER NM TO 7100.

TAKEOFF OBSTACLES NOTES:

BOB HOPE
NOTE: RWY 8: MULTIPLE TREES, POLES, BUILDINGS BEGINNING 124 FT FROM DER, 42 FT RIGHT OF CENTERLINE, UP TO 65 FT AGL/745 FT MSL. MULTIPLE TREES, BUILDINGS AND POLES BEGINNING 278 FT FROM DER, 73 FT LEFT OF CENTERLINE, UP TO 56 FT AGL/746 FT MSL.
NOTE: RWY 15: MULTIPLE TREES, BUILDINGS, POLES, AND BLAST FENCE BEGINNING 50 FT FROM DER, 2 FT RIGHT OF CENTERLINE, UP TO 65 FT AGL/762 FT MSL. MULTIPLE TREES, BUILDINGS, POLES, BLAST FENCE BEGINNING 185 FT FROM DER, 53 FT LEFT OF CENTERLINE, UP TO 108 FT AGL/ 777 FT MSL.
NOTE: RWY 26: MULTIPLE TREES, POLES, TRANSMISSION TOWERS, BUILDINGS, ROADS, AND TERRAIN BEGINNING 26 FT FROM DER, 4 FT RIGHT OF CENTERLINE, UP TO 145 FT AGL/731 FT MSL. MULTIPLE TREES, POLES, TRANSMISSION TOWERS, RAILROAD, AND BUILDINGS BEGINNING 302 FT FROM DER, 437 FT LEFT OF CENTERLINE, UP TO 117 FT AGL/846 FT MSL.
NOTE: RWY 33: MULTIPLE TREES, POLES, TERRAIN, BUILDINGS, ROAD BEGINNING 33 FT FROM DER, 30 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1333 FT MSL. MULTIPLE TREES, POLES, BUILDINGS, ANTENNA, RAILROAD, AND BLAST FENCE BEGINNING 97 FT FROM DER, 11 FT LEFT OF CENTERLINE, UP TO 50 FT AGL/878 FT MSL.

VAN NUYS
NOTE: RWY 34L: BLAST FENCE 169 FT FROM DER, 405 FT LEFT OF CENTERLINE, 10 FT AGL/812 FT MSL. OBSTRUCTION LIGHT ON BLAST FENCE, 241 FT FROM DER, 195 FT LEFT OF CENTERLINE, 17 FT AGL/819 FT MSL. MULTIPLE TREES BEGINNING 325 FT FROM DER, 549 FT RIGHT OF CENTERLINE, UP TO 91 FT AGL/921 FT MSL. TRAIN 305 FT FROM DER, 369 FT RIGHT OF CENTERLINE, 23 FT AGL/832 FT MSL. BUILDING 424 FT FROM DER, 589 FT RIGHT OF CENTERLINE, 29 FT AGL/831 FT MSL. ANTENNA ON BUILDING 449 FT FROM DER 462 FT LEFT OF CENTERLINE, 15 FT AGL/817 FT MSL. POLE 1376 FT FROM DER, 779 FT LEFT OF CENTERLINE, 68FT AGL/870 FT MSL. TREES BEGINNING 828 FT FROM DER, 15 FT LEFT OF CENTERLINE, 78 FT AGL/907 FT MSL.

CONTROLLING OBSTACLES:

BOB HOPE
RWY 8: 2039 FT MSL AAO 340813.79N/1181935.23W.
RWY 15: 1719 FT MSL AAO 340734.43N/1182205.99W.
RWY 26: 3799 FT MSL AAO 342117.06N/1182732.03W.
RWY 33: 3999 FT MSL AAO 342124.40N/1182615.00W. 3959 FT MSL AAO 342123.57N/1182615.36W.

VAN NUYS
RWY 34L: 5279 FT MSL AAO 341608.40N/1181420.01W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:
 REFERENCE MAG VAR: KBUR 12E EPOCH YR: 2020
 DME/DME/IRU ASSESSMENT: SAT (RNP 2.0)

PILOT NAVIGATION AREA:
 7 NM ARC CENTERED ON CCHUM (IF), CW
 FROM: POINT A (BEARING 317.82 TO CCHUM)
 TO: POINT B (BEARING 047.82 TO CCHUM)

CHART: TOP ALTITUDE: 13000.
CHART: MINIMUM CROSSING ALTITUDE AT CCHUM 6800.
 DO NOT CHART MOCAS.



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AIRPORTS SERVED:

| <u>AIRPORT NAME</u> | <u>CITY</u> | <u>STATE</u> |
|---------------------|-------------|--------------|
| BOB HOPE (KBUR) | BURBANK | CA |
| VAN NUYS (KVNY) | VAN NUYS | CA |

COMMUNICATIONS:

CLNC DEL, SOCAL DEP CON.

FIXES AND/OR NAVAIDS:

SLAPP, VVERA



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REMARKS:

1. BOB HOPE CLIMB GRADIENTS AND CONTROLLING OBSTACLES MATCH PUBLISHED DIVERSE VECTOR AREA (DVA), ORIG AT AIRPORT.
2. MOCA(S) NOT CHARTED PER ATC REQUEST.
3. ABBREVIATED AMENDMENT, DOES NOT SATISFY PERIODIC REVIEW REQUIREMENTS.

FLIGHT INSPECTED BY:

Digitally signed by

BRYAN VEIT

ROBERT G HAMILTON

Jul 31, 2017

OFFICE SYMBOL:

FICO

DATE:

6/28/17

DEVELOPED BY:

Digitally signed by

PETER GUIMOND

PETER R GUIMOND

May 08, 2017

OFFICE SYMBOL:

AJV-5422

DATE:

05/08/2017

APPROVED BY:

Digitally signed by

ROBERT G HAMILTON

JULIE MORGAN

Jul 31, 2017

OFFICE SYMBOL:

AJV-5420

DATE:

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

| | | | | | |
|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|
| A4A | ALPA | AOPA | APA | HAI | NBAA |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

OTHER:

ZLA, SOCAL APP CON, BUR ATCT, VNY ATCT, AMGR(S)

CHANGES - REASONS:

1. DELETED NOTE: THIS DEPARTURE PROCEDURE NOT AUTHORIZED FOR TURBOJET AIRCRAFT - ATC REQUEST.
2. ADDED NOTE: THIS DEPARTURE PROCEDURE AUTHORIZED FOR TURBOPROP AIRCRAFT ONLY - ATC REQUEST.



FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 DEPARTURE (DATA RECORD)

| <u>DP NAME</u> | <u>NUMBER</u> | <u>DP COMPUTER CODE</u> | <u>SUPERSEDED NUMBER</u> | <u>DATED</u> | <u>EFFECTIVE DATE</u> |
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| <u>FIX/NAVAID</u> | <u>LAT/LONG</u> | <u>C</u> | <u>FO/FB</u> | <u>LEG TYPE</u> | <u>TC</u> | <u>DIST (NM)</u> | <u>ALTITUDE</u> | <u>SPEED</u> | <u>REMARKS</u> |
|-------------------|------------------------|----------|--------------|-----------------|-----------|------------------|-----------------|--------------|----------------|
| CCHUM | 342006.17N/1182628.51W | Y | - | IF | - | - | AT/ABOVE 6800 | | |
| KIMMO | 342436.57N/1182502.17W | Y | FB | TF | 014.82 | 4.65 | AT/ABOVE 7000 | | |
| SLAPP | 342750.14N/1181954.07W | Y | FB | TF | 052.80 | 5.33 | | | |
| JARZO | 343030.27N/1181225.34W | Y | FB | TF | 066.65 | 6.73 | | | |
| VVERA | 343550.90N/1174446.99W | Y | FB | TF | 076.72 | 23.44 | | | |
| VVERA | 343550.90N/1174446.99W | Y | - | IF | - | - | | | VVERA2.DAG |
| SSETH | 344408.66N/1170058.77W | Y | FB | TF | 076.88 | 37.07 | | | |
| DAG VORTAC | 345744.85N/1163441.40W | Y | FB | TF | 057.76 | 25.55 | | | |
| VVERA | 343550.90N/1174446.99W | Y | - | IF | - | - | | | VVERA2.HEC |
| SSETH | 344408.66N/1170058.77W | Y | FB | TF | 076.88 | 37.07 | | | |
| HEC VORTAC | 344749.26N/1162746.52W | Y | FB | TF | 082.20 | 27.60 | | | |

