

**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
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
SANTA MONICA	THREE	SMO3.CHOII	TWO	10/12/2017	01FEB2018

<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:

TAKEOFF RWY 3: CLIMB HEADING 032.57 TO 680, THEN DIRECT TO CROSS TREKK AT OR ABOVE 4000, THEN ON TRACK 035.83 TO DARTS, THEN ON TRACK 328.68 TO CROSS CHOII AT OR ABOVE 7100, THENCE...

TAKEOFF RWY 21: CLIMB HEADING 212.58 TO INTERCEPT COURSE 260.10 TO WRASH, THEN ON TRACK 262.45 TO CROSS CTRUS AT OR ABOVE 5000, THEN ON TRACK 349.99 TO CROSS DZINE AT OR ABOVE 6000, THEN ON TRACK 042.23 TO SEAEM, THEN ON TRACK 008.11 TO CROSS CHOII AT OR ABOVE 7100, THENCE...

...ON ASSIGNED TRANSITION MAINTAIN ALTITUDE ASSIGNED BY ATC, 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	SMO3.DAG	CHOII	SLAPP	TRACK 008.48	4.98	7100		AT/ABOVE 9000
			JARZO	TRACK 054.65	6.73	7500		AT/ABOVE 10300
			VVERA	TRACK 064.72	23.44	11000		
			SSETH	TRACK 064.88	37.07	13000		
			DAG VORTAC	TRACK 045.76	25.55	13000		
HECTOR	SMO3.HEC	CHOII	SLAPP	TRACK 008.48	4.98	7100		AT/ABOVE 9000
			JARZO	TRACK 054.65	6.73	7500		AT/ABOVE 10300
			VVERA	TRACK 064.72	23.44	11000		
			SSETH	TRACK 064.88	37.07	13000		
			HEC VORTAC	TRACK 070.20	27.60	13000		

PROCEDURAL DATA NOTES:

- NOTE:** RNAV 1.
- NOTE:** DME/DME/IRU OR GPS REQUIRED.
- NOTE:** RADAR REQUIRED.
- NOTE:** ALL RWY 21 DEPARTURES EXPECT RADAR VECTORS TO SEAEM PRIOR TO CTRUS.
- NOTE:** THIS DEPARTURE PROCEDURE AUTHORIZED FOR TURBOPROP AIRCRAFT ONLY.



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SANTA MONICA	THREE	SMO3.CHOII	TWO	10/12/2017	01FEB2018

TAKEOFF MINIMUMS:

RWY 3: STANDARD WITH A MINIMUM CLIMB OF 500 FT PER NM TO 680, THEN 275 FT PER NM TO 4300.

RWY 21: STANDARD WITH A MINIMUM CLIMB OF 500 FT PER NM TO 680, THEN 310 FT PER NM TO 3800.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 03, POLE 139 FT FROM DER, 159 FT RIGHT OF CENTERLINE, 26 FT AGL/196 FT MSL. TREES BEGINNING 764 FT FROM DER, 478 FT RIGHT OF CENTERLINE, UP TO 213 FT MSL. TREE 995 FT FROM DER, 619 FT RIGHT OF CENTERLINE, 217 FT MSL. TREE 1063 FT FROM DER, 236 FT LEFT OF CENTERLINE, 206 FT MSL. TREE 1102 FT FROM DER, 289 FT LEFT OF CENTERLINE, 207 FT MSL. TREES BEGINNING 1125 FT FROM DER, 402 FT LEFT OF CENTERLINE, UP TO 214 FT MSL.

NOTE: RWY 21, POLE, TREE BEGINNING 39 FT FROM DER, 357 FT RIGHT OF CENTERLINE, UP TO 13 FT AGL/154 FT MSL. POLE 214 FT FROM DER, 437 FT RIGHT OF CENTERLINE, 30 FT AGL/174 FT MSL. TREES BEGINNING 409 FT FROM DER, 389 FT RIGHT OF CENTERLINE, UP TO 191 FT MSL. TREE, TRANSMISSION LINE BEGINNING 1328 FT FROM DER, 506 FT RIGHT OF CENTERLINE, UP TO 215 FT MSL.

CONTROLLING OBSTACLES:

RWY 3, 3296 FEET MSL TOWER 341254.70W/1181647.60W

RWY 21, 2908 FEET MSL TOWER 340431.68N/1183936.30W

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KSMO 12E EPOCH YR: 2020

DME/DME ASSESSMENT SAT: RNP (2.0).

CHART: TOP ALTITUDE: ASSIGNED BY ATC.

CHART: SPEED ICON MAXIMUM SPEED 250 KIAS AT DZINE.

CHART: SPEED ICON MAXIMUM SPEED 250 KIAS AT JARZO.

DO NOT CHART MOCAS.

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
SANTA MONICA MUNI	SANTA MONICA	CA

COMMUNICATIONS:

SMO TOWER, SOCAL DEP CON

FIXES AND/OR NAVAIDS:



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SANTA MONICA	THREE	SMO3.CHOII	TWO	10/12/2017	01FEB2018

REMARKS:
1. MOCA(S) NOT CHARTED PER ATC REQUEST.

FLIGHT INSPECTED BY: *Digitally signed by*
SCOTT ANDREW THOMPSON **ROBERT G HAMILTON**
Dec 07, 2017

OFFICE SYMBOL: FICO
DATE: 11/27/2017

DEVELOPED BY: *Digitally signed by*
JIMMY SANG HUGHES **ROBERT G HAMILTON**
Dec 07, 2017

OFFICE SYMBOL: AJV-5422
DATE: 09/08/2017

APPROVED BY: *Digitally signed by*
JULIE MORGAN **ROBERT G HAMILTON**
Dec 07, 2017

OFFICE SYMBOL: AJV-5420
DATE:

REQUIRED EFFECTIVE DATE:
ROUTINE

COORDINATED WITH:

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

OTHER:
ZLA, SMO ATCT, SOCAL APP CON

CHANGES - REASONS:

1. UPDATED TAKEOFF OBSTACLES - THLD MOVED CHANGED OBSTACLE LOCATION AND DISTANCES.
2. CHANGED DP ROUTE DESCRIPTION FROM: "CLIMB ON HEADING 212.58 TO INTERCEPT COURSE 260.13 TO WRASH..." TO "CLIMB ON HEADING 212.58 TO INTERCEPT COURSE 260.10 TO WRASH..." - SHORTENED RUNWAY CHANGED VI LEG DISTANCE.
3. ADDED ADDITIONAL CG TO RWY 03, 271 FT PER NM TO 3400. - NEW CONTROLLING OBSTACLE.
4. CHANGED RWY 21 CG FROM 427 FT PER NM TO 700 TO 500 FT PER NM TO 680, THEN 308 FT PER NM TO 2700. - NEW CONTROLLING OBSTACLE.

12/6/2017: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 9/8/2017.

1. CHANGED RUNWAY 3 TAKEOFF MINIMUMS TO "STANDARD WITH A MINIMUM CLIMB OF 500 FT PER NM TO 680, THEN 275 FT PER NM TO 4300" ON 8260-15B.
2. CHANGED RUNWAY 21 TAKEOFF MINIMUMS TO "STANDARD WITH A MINIMUM CLIMB OF 500 FT PER NM TO 680, THEN 310 FT PER NM TO 3800" ON 8260-15B.
3. CHANGED RW03 (AER) VI LEG REMARKS TO "CG 500 FT PER NM TO 680, 275 FT PER NM TO 4300" ON 8260-15C.
4. CHANGED RW21 (AER) VI LEG REMARKS TO "CG 500 FT PER NM TO 680, 310 FT PER NM TO 3800" ON 8260-15C.



FEDERAL AVIATION ADMINISTRATION
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 DEPARTURE (DATA RECORD)

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SANTA MONICA		THREE	SMO3.CHOII	TWO	10/12/2017	01FEB2018			
<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>
RW03 (AER)	3400044.63/1182719.30W	N	-	-	-	-			
680 MSL		-	-	VA	044.57	-			CG 500 FT PER NM TO 680, 275 FT PER NM TO 4300
TREKK	340629.10N/1181959.90W	Y	FB	DF	-	-	AT/ABOVE 4000		
DARTS	340921.77N/1181610.54W	Y	FB	TF	047.83	4.28			
CHOII	342309.61N/1182200.58W	Y	FB	TF	340.68	14.60	AT/ABOVE 7100		
	340109.29N/1182650.11W								
RW21 (AER)	340109.29N/1182650.11W	N	-	-	-	-			
	340014.49N/1182754.94W	-	-	VI	224.58	1.28			CG 500 FT PER NM TO 680, 310 FT PER NM TO 3800
WRASH	340002.48N/1183512.63W	Y	FB	CF	272.10	5.66			RECOMMENDED NAVAID: TFD VORTAC
CTRUS	340023.18N/1184033.81W	Y	FB	TF	274.45	4.46	AT/ABOVE 5000		
DZINE	340551.04N/1184020.14W	Y	FB	TF	001.99	5.46	AT/ABOVE 6000	AT/BELOW 250K	
SEAEM	341430.89N/1182549.76W	Y	FB	TF	054.23	14.82			
CHOII	342309.61N/1182200.58W	Y	FB	TF	020.11	9.19	AT/ABOVE 7100		
CHOII	342309.61N/1182200.58W	Y	-	IF	-	-	AT/ABOVE 7100		SMO3.DAG
SLAPP	342750.14N/1181954.07W	Y	FB	TF	020.48	4.98	AT/ABOVE 9000		
JARZO	343030.27N/1181225.34W	Y	FB	TF	066.65	6.73	AT/ABOVE 10300	AT/BELOW 250K	
VVERA	343550.90N/1174446.99W	Y	FB	TF	076.72	23.44			
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			



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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>
CHOII	342309.61N/1182200.58W	Y	-	IF	-	-	AT/ABOVE 7100		SMO3.HEC
SLAPP	342750.14N/1181954.07W	Y	FB	TF	020.48	4.98	AT/ABOVE 9000		
JARZO	343030.27N/1181225.34W	Y	FB	TF	066.65	6.73	AT/ABOVE 10300	AT/BELOW 250K	
VVERA	343550.90N/1174446.99W	Y	FB	TF	076.72	23.44			
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			

QUALITY
3
CHECKED