

**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.

DP NAME PIGGN	NUMBER THREE	DP COMPUTER CODE PIGGN3.PIGGN	SUPERSEDED NUMBER TWO	DATED 08/17/2017	ACTUAL EFFECTIVE DATE 24 MAR 2022
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TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWY 02L: CLIMB ON HEADING 015.91 TO 560, THEN DIRECT LIION, THEN ON TRACK 058.31 TO CHOAK, THEN ON TRACK 132.65 TO CROSS JAABB AT OR ABOVE 4100 AND AT OR BELOW 210 KIAS, THEN ON TRACK 119.50 TO CROSS MANBY AT OR ABOVE 7000, THEN ON TRACK 104.68 TO CROSS PIGGN AT OR ABOVE 9000, THENCE...

TAKEOFF RWY 20R: CLIMB ON HEADING 195.92 TO INTERCEPT COURSE 175.00 TO CROSS STREL AT OR BELOW 5000, THEN ON TRACK 140.27 TO TANGL, THEN ON TRACK 102.72 TO CROSS SHIRR AT OR ABOVE 7000, THEN ON TRACK 072.64 TO DANAH, THEN ON TRACK 048.34 TO CROSS PIGGN AT OR ABOVE 9000, THENCE...

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

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID	TO FIX/NAVAID	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
AVRRY	PIGGN3.AVRRY	PIGGN	FNCHH	TRACK 079.63	12.22	9000	5800	
		FNCHH	TBERD	TRACK 063.61	12.51	10000	5300	
		TBERD	PEELR	TRACK 079.68	33.13	15000	10000	
		PEELR	MTBAL	TRACK 079.71	14.77	15000	8700	
		MTBAL	AVRRY	TRACK 057.20	25.24	15000	7500	
CNERY	PIGGN3.CNERY	PIGGN	WILD	TRACK 098.49	13.39	9000	5600	
		WILD	FLWRZ	TRACK 079.30	16.65	10000	6200	
		FLWRZ	BLCKD	TRACK 078.71	23.94	15000	10800	
		BLCKD	CSTWY	TRACK 078.96	19.59	15000	10800	
		CSTWY	CNERY	TRACK 058.68	23.99	15000	5900	
OTAYY	PIGGN3.OTAYY	PIGGN	WILD	TRACK 098.49	13.39	9000	5600	
		WILD	WAGAV	TRACK 143.57	15.78	10000	4600	
		WAGAV	OTAYY	TRACK 169.02	35.92	15000	4300	



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PIGGN	THREE	PIGGN3.PIGGN	TWO	08/17/2017	24 MAR 2022
TCATE	PIGGN3.TCATE	PIGGN	WILD	TRACK 098.49	13.39 9000 5600
		WILD	TCATE	TRACK 125.64	56.29 15000 8700

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED
 NOTE: RNAV-1
 NOTE: DME/DME/IRU OR GPS REQUIRED.
 NOTE: TURBOJET AND TURBOPROP ONLY
 NOTE: PARACHUTE JUMPING ALL HOURS, 14000 AND BELOW, NORTH OF ROUTE BETWEEN PIGGN AND FNCHH
 NOTE: AIRCRAFT MAY BE RADAR VECTORED TO DANAH OR PIGGN

TAKEOFF MINIMUMS:

RWY 20R: STANDARD
 RWY 2L: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1300

TAKEOFF OBSTACLES NOTES:

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

CONTROLLING OBSTACLES:

RWY 2L: 1955 FT MSL AAO 334354.00N/1174157.00W

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART: TOP ALTITUDE: 13000
 REFERENCE MAG VAR: KSNA 12E EPOCH YR: 2015
 DME/DME ASSESSMENT SAT: RNP (2.0)
 CHART SPEED ICON MAXIMUM SPEED 210 KIAS AT JAABB

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
JOHN WAYNE AIRPORT-ORANGE COUNTY	KSNA	SANTA ANA	CA

COMMUNICATIONS:

TWR, ATIS, CLNC DEL, GND CON (EAST/WEST), SOCAL DEP CON

FIXES AND/OR NAVAIDS:

LVLL, TTRUE, WURMO

REMARKS:

CHART LVLL, TTRUE, AND WURMO AS STAND ALONE WAYPOINTS
 DO NOT CHART MOCAS



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PIGGN	THREE	PIGGN3.PIGGN	TWO	08/17/2017	24 MAR 2022

<u>FLIGHT INSPECTED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>
THOMAS E MOLOKIE	DONALD H LANIER Jan 06, 2022	FPO	01/05/2022

<u>DEVELOPED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>
RICHARD CHRISTENSEN	RICHARD E CHRISTENSE Dec 03, 2021	AJV-A431	Oct 27, 20

<u>APPROVED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
LONNIE EVERHART	DONALD H LANIER Jan 06, 2022	AJV-A430		MANAGER

REQUIRED EFFECTIVE DATE
ROUTINE

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER:ZLC, SLC APP CON, SLC ATCT, AMGR

CHANGES - REASONS:

1. CHANGED TAKEOFF MINIMUMS FROM RWY 2L: STANDARD WITH A MINIMUM CLIMB OF 500 FT PER NM TO 800 TO RWY 2L: STANDARD WITH A MINIMUM CLIMB OF 500 FT PER NM TO 1300 - NEW OBSTACLE EVALUATION RESULTS.
2. ADDED SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP) TO TAKEOFF OBSTACLE NOTES - IAW 8260.46G APPENDIX E7.
3. ADDED CONTROLLING OBSTACLE FOR RWY 2L: 1955 FT MSL AAO 334354.00N/1174157.00W - OBSTACLE EVALUATION RESULTS/IAW 8260.46G APPENDIX E8(A).
4. CHANGED WP CNERY FROM FLY-BY TO FLY-OVER - PER FPT/ATC REQUEST.
5. ADDED DO NOT CHART MOCAS IN REMARKS - ATC REQUEST.
6. REMOVED RECOMMENDED NAVAID FROM CF LEG - NO LONGER REQUIRED PER 8260.46H 1-1-5B(2).
7. MOCAS CHANGED FROM/TO: PIGGN TO FNCHH 6800/5800, TBERD TO PEELR 10800/10000, PIGGN TO WIILD 6100/5600, WIILD TO FLWRZ 7000/6200 - NEW OBSTACLE EVALUATION RESULTS.



**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>ACTUAL EFFECTIVE DATE</u>				
PIGGN	THREE	PIGGN3.PIGGN	TWO	08/17/2017	24 MAR 2022				
<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>
RW02L (AER)	334004.09N/1175225.79W	N	-	-	-	-			
560 MSL	-	-	-	VA	027.91	-	AT/ABOVE 560		CG 500 FT/NM TO 1300
LIION	334359.63N/1174958.41W	Y	FB	DF	-	-			
CHOAK	334520.01N/1174529.18W	Y	FB	TF	070.31	03.97			
JAABB	334207.69N/1174245.98W	Y	FB	TF	144.65	03.92	AT/ABOVE 4100	AT/BELOW 210K	
MANBY	333902.59N/1173835.89W	Y	FB	TF	131.50	04.65	AT/ABOVE 7000		
PIGGN	333500.00N/1172900.00W	Y	FB	TF	116.68	08.97	AT/ABOVE 9000		
RW20R (AER)	334053.93N/1175154.21W	N	-	-	-	-			
	333839.96N/1175319.07W	-	-	VI	207.92	02.52			
STREL	333417.50N/1175357.60W	Y	FB	CF	187.00	04.40	AT/BELOW 5000		
TANGL	333027.00N/1175133.00W	Y	FB	TF	152.27	04.33			
SHIRR	332830.00N/1174630.00W	Y	FB	TF	114.72	04.65	AT/ABOVE 7000		
DANAH	332851.62N/1174154.15W	Y	FB	TF	084.64	03.86			
PIGGN	333500.00N/1172900.00W	Y	FB	TF	060.34	12.40	AT/ABOVE 9000		
TRANSITIONS									
PIGGN	333500.00N/1172900.00W	Y	-	IF	-	-	AT/ABOVE 9000		PIGGN3.AVRRY
FNCHH	333438.20N/1171422.80W	Y	FB	TF	091.63	12.22			
TBERD	333744.21N/1165951.91W	Y	FB	TF	075.61	12.51			
PEELR	333639.62N/1162012.96W	Y	FB	TF	091.68	33.13			
MTBAL	333611.93N/1160232.30W	Y	FB	TF	091.71	14.77			
AVRRY	334507.35N/1153414.56W	Y	FB	TF	069.20	25.24			



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PIGGN		THREE	PIGGN3.PIGGN	TWO	08/17/2017	24 MAR 2022			
<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>
PIGGN	333500.00N/1172900.00W	Y	-	IF	-	-	AT/ABOVE 9000		PIGGN3.CNERY
WIILD	333017.34N/1171359.88W	Y	FB	TF	110.49	13.39			
FLWRZ	332953.00N/1165405.90W	Y	FB	TF	091.30	16.65			
BLCKD	332931.77N/1162528.14W	Y	FB	TF	090.71	23.94			
CSTWY	332909.77N/1160203.05W	Y	FB	TF	090.96	19.59			
CNERY	333703.75N/1153456.72W	Y	FO	TF	070.68	23.99			
PIGGN	333500.00N/1172900.00W	Y	-	IF	-	-	AT/ABOVE 9000		PIGGN3.OTAYY
WIILD	333017.34N/1171359.88W	Y	FB	TF	110.49	13.39			
WAGAV	331553.62N/1170613.02W	Y	FB	TF	155.57	15.78			
OTAYY	323954.45N/1170658.45W	Y	FB	TF	181.02	35.92			
PIGGN	333500.00N/1172900.00W	Y	-	IF	-	-	AT/ABOVE 9000		PIGGN3.TCATE
WIILD	333017.34N/1171359.88W	Y	FB	TF	110.49	13.39			
TCATE	324829.07N/1162859.88W	Y	FB	TF	137.64	56.29			

