

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT ID</u> O69	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> PETALUMA	<u>STATE</u> CA
<u>AIRPORT ELEVATION</u> 90	<u>TDZE</u> 86	<u>SUPERSEDED</u> RNAV (GPS) RWY 29	<u>DATED</u> 10/05/2023	<u>MAG VAR</u> 16E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 1985
		<u>ORIG-D</u>		<u>CANCEL/SUSPEND</u>

**TERMINAL ROUTES**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
HABAP		JIVLI		TF	FO	1.00	132.41	10.24	4000
CROIT	IAF	JIVLI	NOPT	TF	FB	1.00	282.40	11.75	2500
REBAS	IAF	JIVLI	NOPT	TF	FB	1.00	337.73	12.57	2500
JIVLI	IF/IAF	ZESEP		TF	FB	1.00	289.61	5.04	2000
ZESEP	FAF	WUDKO/2.91 NM TO RW29		TF	FB	0.30	289.53	2.95	
WUDKO/2.91 NM TO RW29		RW29	MAP	TF	FO	0.30	289.53	2.91	
RW29	MAP	336 MSL		CA			289.53		
336 MSL		XIKIY		DF	FB	1.00			
XIKIY		HIRUV		TF	FO	1.00	215.96	11.67	3500

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW29

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3500 DIRECT XIKIY AND ON TRACK 215.96 TO HIRUV AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3500.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- PT** SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD E JIVLI, RT, 289.61 INBOUND, 2500 IN LIEU OF PT (IAF), MAX 6000.
- FAC:** 289.53 **FAF:** ZESEP **DIST FAF TO MAP:** 5.86 **DIST FAF TO THLD:** 5.86
- MIN ALT:** JIVLI 2500, ZESEP 2000, WUDKO/2.91 NM TO RW29 1060
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **250 HAT:** 0.64 **GS ANT:**
- MIN GP INCPT:** 2000 **GP ALT AT PFAF:** ZESEP 2000 **OM:** **MM:** **IM:**
- GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 54.9
- MSA FROM:** RW29 5600



**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.  
 CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT (VGS1 ANGLE {ANGLE}/TCH {FEET}).  
 CHART NOTE: CIRCLING RWY 11 NA AT NIGHT.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HABAP ON V108 NORTHWEST BOUND.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CROIT ON V195 SOUTHBOUND, V108 SOUTHEAST BOUND AND V150 NORTHEAST BOUND.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT REBAS ON V87 SOUTHBOUND AND V150 SOUTHWEST BOUND.

**ADDITIONAL FLIGHT DATA:**

HOLD SW, RT, 035.84 INBOUND.  
 CHART FAS OBST: 376 TRANSMISSION\_LINE (06-108545) 381426N/1223408W.  
 CHART 582 TRANSMISSION\_LINE (06-107445) 381326N/1223300W.  
 CHART VDP AT 1.62 NM TO RW29.  
 WAAS CHANNEL # 49124  
 REFERENCE PATH ID: W29A  
 LTP HAE: -8 M

**MINIMUMS:**

**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT**

**ALTERNATE:** NA  STANDARD - CAT B 900-2, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<b><u>CATEGORY:</u></b>	<b><u>A</u></b>			<b><u>B</u></b>			<b><u>C</u></b>			<b><u>D</u></b>			<b><u>E</u></b>		
<b><u>FINAL TYPE</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>
LPV DA	336	3/4	250	336	3/4	250		NA			NA				
LNAV/VNAV DA	640	1 5/8	554	640	1 5/8	554		NA			NA				
LNAV MDA	640	1	554	640	1	554		NA			NA				
CIRCLING	820	1	730	940	1 1/4	850		NA			NA				



**CHANGES - REASONS**

1. CHANGED JIVLI-ZESEP COURSE FROM "289.59" TO "289.61" AND DISTANCE FROM "5.03" TO "5.04" IN TERMINAL ROUTES -- FIX ZESEP RELOCATED.
2. CHANGED ZESEP-WUDKO COURSE FROM "289.54" TO "289.53" AND DISTANCE FROM "2.97" TO "2.95" IN TERMINAL ROUTES -- FIXES ZESEP AND WUDKO RELOCATED.
3. CHANGED ALL INSTANCES OF "WUDK0/2.90 NM TO RW29" TO "WUDKO/2.91 NM TO RW29" -- FIX WUDKO RELOCATED.
4. CHANGED WUDKO-RW29 COURSE FROM "289.51" TO "289.53" AND DISTANCE FROM "2.97" TO "2.91" IN TERMINAL ROUTES -- FIX WUDKO RELOCATED.
5. CHANGED CA LEG ALTITUDE FROM "347" TO "336" AND COURSE FROM "289.51" TO "289.53" IN TERMINAL ROUTES -- LOWER LPV MINIMUMS; FINAL REALIGNMENT.
6. ADDED "TO HIRUV AND HOLD, CLIMB-IN-HOLD TO 3500" IN MISSED APPROACH INSTRUCTIONS -- FPT REQUEST TO ADD HOLDING.
7. CHANGED COURSE FROM "289.59" TO "289.61" AND ADDED "MAX 6000" IN PROFILE LINE 2 -- UPDATED IAW 8260.19K, 8-6-7.B(2).
8. CHANGED FAC FROM "289.54" TO "289.53" AND DISTANCE FAF TO MAP/THLD FROM "5.87" TO "5.86" IN PROFILE LINE 3 -- FIX ZESEP RELOCATED.
9. CHANGED WUDKO STEPDOWN ALTITUDE FROM "1040" TO "1060" IN PROFILE LINE 4 -- NEW CONTROLLING OBSTACLE.
10. MOVED DISTANCE TO THLD TO PROFILE LINE 5 AND UPDATED FROM "270 HATH: 0.67 NM" TO "250 HAT: 0.64 NM" -- LOWER LPV MINIMUMS; UPDATED IAW 8260.19K, 8-6-7.E(3).
11. ADDED "20:1 IS CLEAR" IN PROFILE LINE 7 -- CONFIRMED CLEAR BY TARGETS EVALUATION; UPDATED IAW 8260.19K, 8-6-7.G(3)(A).
12. ADDED "V150 NORTHEAST BOUND" TO ARRIVALS AT CROIT AND "V150 SOUTHWEST BOUND" TO ARRIVALS AT REBAS -- TURNS GREATER THAN 90 DEGREES IAW 8260.58D, 1-2-5.A(3).
13. ADDED "HOLD SW, RT, 035.84 INBOUND" IN ADDITIONAL FLIGHT DATA -- ADD MISSED APPROACH HOLDING AT HIRUV.
14. CHANGED CHART FAS FROM "554 TREE 381408N/1223252W" TO "376 TRANSMISSION\_LINE (06-108545) 381426N/1223408W" IN ADDITIONAL FLIGHT DATA -- NEW CONTROLLING OBSTACLE.
15. ADDED "CHART 582 TRANSMISSION\_LINE (06-107445) 381326N/1223300W" IN ADDITIONAL DATA -- 7:1 OBSTACLE.
16. CHANGED VDP FROM "2.16 MILES" TO "1.62 NM" IN ADDITIONAL FLIGHT DATA -- LOWER LNAV MINIMUMS; UPDATED IAW 8260.19K, 8-6-11.M(2).
17. CHANGED LTP HAE FROM "-8.1 M" TO "-8 M" IN ADDITIONAL FLIGHT DATA -- RECALCULATED.
18. CHANGED LPV DA/HAT FROM "356/270" TO "336/250" AND VISIBILITY FROM "7/8" TO "3/4" -- FPT REQUEST LOWER MINIMUMS; NEW CONTROLLING OBSTACLE.
19. CHANGED LNAV/VNAV DA/HAT FROM "707/621" TO "640/554" AND VISIBILITY FROM "2 1/2" TO "1 5/8" -- FPT REQUEST LOWER MINIMUMS; NEW CONTROLLING OBSTACLE.
20. CHANGED LNAV MDA/HAT FROM "820/734" TO "640/554" -- FPT REQUEST LOWER MINIMUMS; NEW CONTROLLING OBSTACLE.
21. FAS DATA: CRC REMAINDER CHANGED FROM "A9FBAE0E" TO "6E98A8FE" -- LTP/FTP COORDINATES CHANGED FROM "381517.7200N/1223800.7790W" TO "381517.7305N/1223600.7865W", ELLIPSOIDAL HEIGHT CHANGED FROM "-00081" TO "-00080", FPAF COORDINATES CHANGED FROM "381609.4800N/1223732.9100W" TO "381609.4790N/1223732.9275W", LTP/FPAF ORTHOMETRIC HEIGHT CHANGED FROM "+00234" TO "+00236".

**COORDINATED WITH:**

**A4A**  
  **ALPA**  
  **AOPA**  
  **APA**  
  **HAI**  
  **NBAA**  
 **OTHER:** ZOA, O69 ATCT, AMGR

**FLIGHT CHECKED BY**

NATHAN J CHOTT

*Digitally signed by*

**CASIMIR L TABAKA**

Feb 18, 2026

**OFFICE**

AJF

**DATE**

02/17/2026

**DEVELOPED BY**

CASIMIR L. TABAKA (DANIEL C JOHNSEN)

*Digitally signed by*

**CASIMIR L TABAKA**

Feb 18, 2026

**OFFICE**

AJV-A432

**DATE**

11/18/2025

**APPROVED BY**

CASIMIR L. TABAKA

*Digitally signed by*

**CASIMIR L TABAKA**

Feb 18, 2026

**OFFICE**

AJV-A432

**DATE**

**TITLE  
MANAGER**



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	O69
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	381517.7305N
LTP/FTP LONGITUDE	1223600.7865W
LTP/FTP ELLIPSOIDAL HEIGHT	-00080
FPAP LATITUDE	381609.4790N
FPAP LONGITUDE	1223732.9275W
THRESHOLD CROSSING HEIGHT (TCH)	00054.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1656
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 6E98A8FE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00236
FPAP ORTHOMETRIC HEIGHT	+00236



**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> O69	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29	<u>AMDT NO.</u> 1	<u>CITY</u> PETALUMA	<u>STATE</u> CA	<u>AIRPORT ELEVATION</u> 90	<u>FACILITY</u> RNAV
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**PART A: OBSTRUCTION DATA SEGMENTS**

**FEEDER**

<u>FROM</u> HABAP	<u>TO</u> JIVLI
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<u>RNP</u> 1.00	<u>DISTANCE</u> 10.24	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	381754.00N/1223324.00W	1966	215	8	4B	2000					4000
TERRAIN	381706.00N/1223245.00W	1371 (1400)								AS1500	2900

**COMPUTATIONS**

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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**SEGMENT REMARKS:**

**INITIAL**

<u>FROM</u> CROIT	<u>TO</u> JIVLI
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<u>RNP</u> 1.00	<u>DISTANCE</u> 11.75	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	380145.00N/1221151.00W	1096	215	8	4B	1000				AT404	2500
TERRAIN	380139.00N/1221251.00W	787 (800)								AS1500	2300

**COMPUTATIONS**

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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**SEGMENT REMARKS:**



**AIRPORT ID**  
O69

**PROCEDURE NAME**  
RNAV (GPS) RWY 29

**AMDT NO.**  
1

**CITY**  
PETALUMA

**STATE**  
CA

**AIRPORT ELEVATION**  
90

**FACILITY**  
RNAV

**INITIAL**

**FROM**  
REBAS

**TO**  
JIVLI

**RNP**  
1.00

**DISTANCE**  
12.57

**PAT**

**MAP**

**HAT**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
AAO	375633.00N/1222409.00W	680	215	8	4B	1000				AT820	2500
TERRAIN	375633.00N/1222409.00W	479 (500)								AS1500	2000

**COMPUTATIONS**

**ALT    KIAS    KTAS    HAA    VKTW    TR    BA    DTA    COURSE CHANGE    DVEB    VEB OCS    RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**

**INTERMEDIATE**

**FROM**  
JIVLI (IF/IAF)

**TO**  
ZESEP

**RNP**  
1.00

**DISTANCE**  
5.04

**PAT**

**MAP**

**HAT**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
AAO	381245.00N/1222909.00W	1119	215	8	4B	500				AT381	2000
TERRAIN	381245.00N/1222909.00W	918 (900)								AS1000	1900

**COMPUTATIONS**

**ALT    KIAS    KTAS    HAA    VKTW    TR    BA    DTA    COURSE CHANGE    DVEB    VEB OCS    RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**



**AIRPORT ID**  
O69

**PROCEDURE NAME**  
RNAV (GPS) RWY 29

**AMDT NO.**  
1

**CITY**  
PETALUMA

**STATE**  
CA

**AIRPORT ELEVATION**  
90

**FACILITY**  
RNAV

**FINAL: LPV**

**FROM**  
ZESEP

**TO**  
RW29

**RNP**  
0.30

**DISTANCE**  
5.86

**PAT**

**MAP**  
DA

**HAT**  
250

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TREE (06-044619)	381519.35N/1223554.40W	120	20	3	1A		34.00:1			SA-6	336

**COMPUTATIONS**

**ALT      KIAS      KTAS      HAA      VKTW      TR      BA      DTA      COURSE CHANGE      DVEB      VEB OCS      RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**

**FINAL: LNAV/VNAV**

**FROM**  
ZESEP

**TO**  
RW29

**RNP**  
0.30

**DISTANCE**  
5.86

**PAT**

**MAP**  
DA

**HAT**  
554

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TRANSMISSION_LINE (06-108545)	381425.88N/1223407.66W	376	20	3	1A		23.42:1				640

**COMPUTATIONS**

**ALT      KIAS      KTAS      HAA      VKTW      TR      BA      DTA      COURSE CHANGE      DVEB      VEB OCS      RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**

OBSTACLE REQUIRED DA 703 LOWERED TO MATCH LNAV MDA IAW 8260.58D, 3-3-5.



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CA

**AIRPORT ELEVATION**  
90

**FACILITY**  
RNAV

**FINAL: LNAV**

**FROM**  
ZESEP

**TO**  
WUDKO/2.91 NM TO RW29

**RNP**  
0.30

**DISTANCE**  
2.95

**PAT**

**MAP**

**HAT**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
AAO	381300.00N/1223006.00W	798	215	8	4B	250				SA-53 RA60	1060

**COMPUTATIONS**

**ALT      KIAS      KTAS      HAA      VKTW      TR      BA      DTA      COURSE CHANGE      DVEB      VEB OCS      RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**

**FINAL: LNAV STEPDOWN**

**FROM**  
WUDKO/2.91 NM TO RW29

**TO**  
RW29

**RNP**  
0.30

**DISTANCE**  
2.91

**PAT**

**MAP**  
RW29

**HAT**  
554

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TRANSMISSION_LINE (06-108545)	381425.88N/1223407.66W	376	20	3	1A	250					640

**COMPUTATIONS**

**ALT      KIAS      KTAS      HAA      VKTW      TR      BA      DTA      COURSE CHANGE      DVEB      VEB OCS      RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**







**AIRPORT ID**  
O69

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RNAV (GPS) RWY 29

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1

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PETALUMA

**STATE**  
CA

**AIRPORT ELEVATION**  
90

**FACILITY**  
RNAV

**MISSED APPROACH: LNAV/VNAV**

**FROM**  
DA **TO**  
HIRUV

**RNP**  
0.30-1.00

**DISTANCE**

**PAT**

**MAP**

**HAT**

**HMAS**  
561

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
							ASC				
AAO	381112.00N/1224921.00W	1195	215	8	4B	1000				AT1305	3500
TERRAIN	381112.00N/1224924.00W	994 (1000)								AS1500	2500

**COMPUTATIONS**

**ALT    KIAS    KTAS    HAA    VKTW    TR    BA    DTA    COURSE CHANGE    DVEB    VEB OCS    RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**

**MISSED APPROACH: LNAV**

**FROM**  
RW29 **TO**  
HIRUV

**RNP**  
0.30-1.00

**DISTANCE**

**PAT**

**MAP**

**HAT**

**HMAS**  
540

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
							ASC				
AAO	381112.00N/1224921.00W	1195	215	8	4B	1000				AT1305	3500
TERRAIN	381112.00N/1224924.00W	994 (1000)								AS1500	2500

**COMPUTATIONS**

**ALT    KIAS    KTAS    HAA    VKTW    TR    BA    DTA    COURSE CHANGE    DVEB    VEB OCS    RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**



**AIRPORT ID**  
O69

**PROCEDURE NAME**  
RNAV (GPS) RWY 29

**AMDT NO.**  
1

**CITY**  
PETALUMA

**STATE**  
CA

**AIRPORT ELEVATION**  
90

**FACILITY**  
RNAV

**CIRCLING**  ALL CATS  CAT A  CAT B  CAT C  CAT D  CAT E  NOT AUTHORIZED

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>RADIUS</u>	<u>HAA</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CATEGORY A											
TREE	381630.00N/1223600.00W	1.30	730	505	215	8	4B	300			820
CATEGORY B											
TREE	381700.00N/1223509.00W	1.81	850	639	215	8	4B	300			940

**CIRCLING REMARKS:**

**MSA**

**CENTER** RW29 **RADIUS** 25

<u>SECTOR</u>	<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
360-360	AAO	384009.00N/1223800.00W	340	24.9	4531	215	8	4B	1000			5600

**MSA REMARKS:**

**NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:**

**PART B: SUPPLEMENTAL DATA**

**COMMUNICATIONS WITH**

ZOA ARTCC, OAK FSS

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
AWOS-3P	O69	24	O69		Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	STS	24	STS	17.96	Y	47

**WX REMARKS:**

RASS PRESSURE PATTERNS THE SAME  
KO69 90, KSTS 129  
RA = 46.8.

**PRIMARY NAVAID** **MONITOR POINT** **HRS OPERATION** **CAT**

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW11 - MIRL (PCL)	NPI-G	
RW29 - REIL (PCL), MIRL (PCL), PAPI-4L (PCL)	NPI-G	



**AIRPORT ID**  
O69

**PROCEDURE NAME**  
RNAV (GPS) RWY 29

**AMDT NO.**  
1

**CITY**  
PETALUMA

**STATE**  
CA

**AIRPORT ELEVATION**  
90

**FACILITY**  
RNAV

**GLIDESLOPE ANGLE**  
3.00

**ELEV RWY THRESHOLD**  
77.5

**TCH**  
54.9

**ELEV GS ANTENNA**

**DISTANCE FROM RWY**

**VGSI ANGLE**  
3.00

**TCH**  
44.3

**FINAL APPROACH COURSE AIMING**

RUNWAY THRESHOLD

FT FROM THRESHOLD

DISPLACED THRESHOLD DISTANCE

ON CENTERLINE

FT FROM CENTERLINE

**CRITICAL TEMPERATURES**

**CRITICAL LOW**  
-15C

**CRITICAL HIGH**  
+54C

**ACT**  
-15C

**APT ISA**  
+14.82C

**CRITICAL TEMPERATURE REMARKS:**

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 710 HIGH TEMP 1124.

**"VISUAL PORTION OF FINAL" PENETRATIONS**

FINAL TYPE	CIRCLING RWY 11		
20:1			
172 TREE (06-109772) 381547.6700N/1223650.8200W (21.42)	176 TREE (06-218654) 381549.9100N/1223650.7900W (18.95)		
168 TREE (06-107458) 381550.1500N/1223650.3700W (11.61)	165 TREE (06-219507) 381549.2900N/1223651.0100W (9.05)		
<b>PENETRATIONS REMARKS:</b>			

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

and/or

**5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS**

<b>PENETRATIONS REMARKS:</b>



**PART C: GENERAL REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VEGETATION HEIGHT 55 FEET PER FPT.

54.9 TCH USED TO TO MITIGATE 582 MSL TRANSMISSION LINE (06-107445) FOR LOWER LNAV MDA.

FOR CONTINGENCY PURPOSES:

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE STS ALTIMETER SETTING AND INCREASE LPV DA TO 383 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 687 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 60 FEET.

BARO-VNAV AND VDP NA WHEN USING STS ALTIMETER SETTING.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1119 AAO 381245.00N/1222909.00W.

ORDER 8260.3 CHAPTER 2 APPLIED TO 582 TRANSMISSION\_LINE (06-107445) 381326.14N/1223300.01W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

**PART D: AIRSPACE**

**DOCKET #**

**ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE**

<b>DISTANCE FROM</b>	THLD	<b>TO 1000FT POINT</b>	5.55
<b>WIDTH OF</b>	FINAL	<b>SEGMENT AT 1000FT POINT</b>	1.84
<b>TRUE COURSE OF</b>	FINAL	<b>SEGMENT CONTAINING 1000FT POINT</b>	305.53
<b>HIGH TERRAIN IN</b>	FINAL	<b>SEGMENT CONTAINING 1000FT POINT</b>	900
<b>DISTANCE FROM</b>	THLD	<b>TO 1500FT POINT</b>	10.70
<b>WIDTH OF</b>	INTERMEDIATE	<b>SEGMENT AT 1500FT POINT</b>	5.56
<b>TRUE COURSE OF</b>	INTERMEDIATE	<b>SEGMENT CONTAINING 1500FT POINT</b>	305.61
<b>HIGH TERRAIN IN</b>	INTERMEDIATE	<b>SEGMENT CONTAINING 1500FT POINT</b>	900

**THRESHOLD COORDINATES (IF STR-IN)**

381517.73N/1223600.79W

**ARP COORDINATES**

381528.06N/1223619.17W

**RUNWAY APCH END AND DIST FURTHEST FROM ARP**

RUNWAY 29 DISTANCE 0.30 NM

**FAF COORDINATES**

381153.16N/1222957.25W

**FIX NAME COORDINATES**

IF JIVLI 380857.18N/1222445.64W

**REMARKS**

**PART E: PREPARED BY**

**NAME**

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**OFFICE**

AJV-A432

**DATE**

11/18/2025

**TITLE**

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