

**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><b>AIRPORT ID</b></u> KWVI	<u><b>PROCEDURE NAME</b></u> RNAV (GPS) RWY 2	<u><b>ORIGINAL/AMENDMENT</b></u> 3	<u><b>CITY</b></u> WATSONVILLE	<u><b>STATE</b></u> CA		
<u><b>AIRPORT ELEVATION</b></u> 163	<u><b>TDZE</b></u> 152	<u><b>SUPERSEDED</b></u> RNAV (GPS) RWY 2	<u><b>ORIGINAL/AMENDMENT</b></u> 2	<u><b>DATED</b></u> 01/30/2020	<u><b>MAG VAR</b></u> 14E	<u><b>EPOCH YEAR</b></u> 2015
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u>	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>CANCEL/SUSPEND</b></u>		

**TERMINAL ROUTES**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
SNS VORTAC		RISPE		TF	FB	1.00	263.70	10.56	4000
SANTY		LEPWU		TF	FB	1.00	161.66	10.31	4000
RISPE	IAF	IFAFY		TF	FB	1.00	288.39	6.76	3000
LEPWU	IAF	IFAFY		TF	FB	1.00	108.16	6.75	3000
IFAFY	IF	FOXOV		TF	FB	1.00	018.23	7.19	2000
FOXOV	FAF	RW02	MAP	TF	FO	0.30	018.28	5.67	
RW02	MAP	700 MSL		CA			018.28		700
700 MSL		RISPE		DF	FO	1.00			5500

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW02

**MISSED APPROACH INSTRUCTIONS:**

(DO NOT EXCEED 185 KIAS UNTIL RISPE) CLIMB TO 700 THEN CLIMBING RIGHT TURN TO 5500 DIRECT RISPE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5500.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

QUALITY  
20  
CHECKED

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT IFAFY					
3. FAC:	018.28	FAF: FOXOV	DIST FAF TO MAP:	5.67	DIST FAF TO THLD: 5.67
4. MIN ALT:	IFAFY 3000, FOXOV 2000				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	250 HAT: 0.65	GS ANT:
6. MIN GP INCPT:	2000	GP ALT AT PFAF :	FOXOV 2000	OM:	MM:
7. GP ANGLE:	3.00	34:1:	IS NOT CLEAR	20:1:	IS CLEAR
			TCH:	56.0	
8. MSA FROM:	RW02 5600				

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 9, 27 NA AT NIGHT.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 0°C OR ABOVE 54°C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SNS VORTAC AIRWAY RADIALS 264 CW 293.  
CHART NOTE: CIRCLING NA W OF RWY 2-20.  
CHART SPEED ICON IN PLANVIEW AT RISPE: MAX 210 KIAS.  
CHART SPEED ICON IN PLANVIEW AT LEPWU: MAX 210 KIAS.  
CHART SPEED ICON IN PLANVIEW AT IFAFY: MAX 180 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD E, LT, 288.39 INBOUND.  
CHART FAS OBST: 439 TREE 365437N/1214924W.  
CHART VDP AT 1.62 NM TO RW02.  
WAAS CHANNEL # 50144  
REFERENCE PATH ID: W02A  
CHART CIRCLING ICON.  
LTP HAE: 9.1 M



**MINIMUMS:**

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

**ALTERNATE:** NA ☐ STANDARD - CAT D 900-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<b>CATEGORY:</b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b>FINAL TYPE</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>
LPV DA	402	3/4	250	402	3/4	250	402	3/4	250	402	3/4	250			
LNAV/VNAV DA	768	1 3/4	616	768	1 3/4	616	768	1 3/4	616	768	1 3/4	616			
LNAV MDA	700	1	548	700	1	548	700	1 5/8	548	700	1 5/8	548			
CIRCLING	700	1	537	700	1	537	700	1 5/8	537	1060	3	897			

**CHANGES - REASONS**

- 1) CHANGED MISSED APPROACH PROCEDURE FROM TURNING LEFT DIRECT SHOBY TO CLIMBING RIGHT TURN DIRECT RISPE - DECONFLICT WITH THE LOCAL ON FIELD PARACHUTE LANDING AREA.
- 2) LOWERED LNAV/VNAV DA FROM 772 TO 768 - NEW CLIMATE STUDY CHANGES SLOPE FROM 22.07:1 TO 21.88:1, NO CHANGE TO CONTROLLING OBSTACLE.
- 3) CHANGED PBN REQUIREMENTS NOTE FROM RNP APCH TO RNP APCH - GPS - IAW 8260.19.
- 4) CHANGED UNCOMPENSATED BARO-VNAV NOTE FROM FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -2°C OR ABOVE 54°C TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 0C OR ABOVE 54C. - UPDATED CRITICAL TEMPERATURES 2017 - 2021.
- 5) UPDATED THE CIRCLING AT NIGHT NOTE FROM CIRCLING RWY 27 NA AT NIGHT TO CIRCLING RWY 9, 27 NA AT NIGHT - IDENTIFIED UNLIGHTED 20:1 PENETRATIONS.
- 6) CRC REMAINDER CHANGED FROM FFD1AEC8 TO 65F17099 - FPAP COORDINATES CHANGED.
- 7) PROFILE LINE 5: DIST TO THLD CHANGED FROM 296 HAT: 0.79 TO 250 HAT: 0.65 - NEW LPV DA.
- 8) ADDITIONAL FLIGHT DATA: REMOVED \*LNAV ONLY - NO LONGER REQUIRED
- 9) ALTERNATE MINS CHANGED FROM STANDARD - CAT D 1000-3 TO STANDARD - CAT D 900-3, NA WHEN LOCAL WEATHER NOT AVAILABLE - NEW CAT D CMDA.
- 10) LOWERED LPV DA/HAT FROM 448/296 TO 402/250 AND VIS FROM 7/8 TO 3/4 - MISSED APPROACH NO LONGER PENETRATED.
- 11) LOWERED CIRCLING CAT D MDA/HAT FROM 1100/937 TO 1060/897. - NEW MAP STUDY.
- 12) FPAP LAT/LONG CHANGED FROM 365659.9240N/1214645.4375W TO 365659.9245N/1214645.4380W - NEW DATA PULL.

**COORDINATED WITH:**A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ **OTHER:** ZOA ARTCC, NORCAL TRACON, AMGR**FLIGHT CHECKED BY**

ASHU S GAUTAM

Digitally signed by

**ERIC N SUSKI**

Sep 16, 2022

**OFFICE**

FPO

**DATE**

09/13/2022

**DEVELOPED BY**

LIAM DONAHUE

Digitally signed by

**LIAM DONAHUE****OFFICE**

AJV-A431

**DATE**

06/10/2022

**APPROVED BY**

CASIMIR TABAKA

Jun 14, 2022

**OFFICE**

AJV-A430

**DATE****TITLE**  
MANAGER

Digitally signed by

**ERIC N SUSKI**

Sep 16, 2022

QUALITY  
20  
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KWVI
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	365544.5330N
LTP/FTP LONGITUDE	1214744.8640W
LTP/FTP ELLIPSOIDAL HEIGHT	+00091
FPAP LATITUDE	365659.9245N
FPAP LONGITUDE	1214645.4380W
THRESHOLD CROSSING HEIGHT (TCH)	00056.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1376
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	65F17099

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00425
FPAP ORTHOMETRIC HEIGHT	+00425

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

<u>AIRPORT ID</u> KWVI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 2	<u>AMDT NO.</u> 3	<u>CITY</u> WATSONVILLE	<u>STATE</u> CA	<u>AIRPORT ELEVATION</u> 163	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM  
SNS VORTAC

TO  
RISPE

<u>RNP</u>	<u>DISTANCE</u> 10.56	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	363854.00N/1214615.00W		552	164	98	4E	2000				AT1448	4000
TERRAIN	363854.00N/1214615.00W		352 (400)								AS1500	1900

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER

FROM  
SANTY

TO  
LEPWU

<u>RNP</u>	<u>DISTANCE</u> 10.31	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	365942.00N/1220518.00W		912	164	98	4E	2000				AT1088	4000
TERRAIN	365839.00N/1220542.00W		498 (500)								AS1500	2000

COMPUTATIONS

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

SEGMENT REMARKS:



INITIAL

FROM

RISPE

TO

IFAFY

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	6.76											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	363936.00N/1214842.00W		332	164	98	4E	1000				AT1668	3000
TERRAIN	364315.00N/1214818.00W		6 (0)								AS1500	1500

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

SEGMENT REMARKS:

INITIAL

FROM

LEPWU

TO

IFAFY

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	6.75											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
SHIP	364525.78N/1215549.78W		208	50	20	2C	1000				AT1792	3000
WATER	364639.38N/1215951.37W		0 (0)								AS1500	1500

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

SEGMENT REMARKS:



INTERMEDIATE

FROM  
IFAFY

TO  
FOXOV

RNP	DISTANCE 7.19	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
SHIP	364525.78N/1215549.78W		208	50	20	2C	500				AT1292	2000
WATER	364754.05N/1215354.83W		0 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM  
FOXOV

TO  
RW02

<u>RNP</u>	<u>DISTANCE</u> 5.67	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 250			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (06-041023)	365531.83N/1214749.06W		203	20	3	1A		34:1				402

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM

FOXOV

TO

RW02

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.67		DA	616								
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	365436.77N/1214923.54W		439	50	20	2C		21.88:1			AC20	768

COMPUTATIONS

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

FINAL: LNAV

FROM

FOXOV

TO

RW02

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.67		RW02	548								
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	365436.77N/1214923.54W		439	50	20	2C	250					700

COMPUTATIONS

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





MISSED APPROACH : LPV

FROM  
DA

TO  
RISPE

RNP	DISTANCE	PAT	MAP	HAT			HMAS 206					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				5500
AAO	365033.00N/1211430.00W		666	164	98	4E	1000					1700
TERRAIN	365033.00N/1211430.00W		465 (500)									500

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

MISSED APPROACH : LNAV/VNAV

FROM  
DA

TO  
RISPE

RNP	DISTANCE	PAT	MAP	HAT			HMAS 607					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				5500
AAO	365033.00N/1211430.00W		666	164	98	4E	1000					1700
TERRAIN	365033.00N/1211430.00W		465 (500)									500

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



MISSED APPROACH : LNAV

FROM

RW02

TO

RISPE

RNP	DISTANCE	PAT	MAP	HAT			HMAS 600					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				5500
AAO	365033.00N/1211430.00W		666	164	98	4E	1000					1700
TERRAIN	365033.00N/1211430.00W		465 (500)									500

COMPUTATIONS

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

CIRCLING ☐ ALL CATS ☒ CAT A ☒ CAT B ☒ CAT C ☒ CAT D ☐ CAT E ☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE (06-043179)	365727.21N/1214641.89W	1.30	537	332	50	20	2C	300		SI	700
CATEGORY B											
TREE (06-089244)	365739.75N/1214630.05W	1.81	537	340	20	3	1A	300		SI	700
CATEGORY C											
TREE (06-089244)	365739.75N/1214630.05W	2.84	537	340	20	3	1A	300		SI	700
CATEGORY D											
AAO	365742.24N/1214242.92W	3.71	897	760	50	20	2C	300			1060

CIRCLING REMARKS:



MSA

CENTER

RW02

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	372054.00N/1213748.00W	004	26.4	4521	164	98	4E	1000			5600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

VEGETATION 100.  
USED 208 FT SHIP HEIGHT FROM ORIGINAL PROCEDURE.  
TAA AND HOLD-IN-LIEU NOT DEVELOPED PER FPT/ATC.  
CIRCLING NA WEST OF RWY 2-20 DUE TO TERRAIN/AMGR.  
IAF AND IF LOCATION REQUIRED THE USE OF SPEED RESTRICTIONS.  
185 KIAS REQUIRED IN MISSED APPROACH TO AVOID HIGH TERRAIN NORTHWEST OF AIRPORT. ELIMINATES THE NEED TO DEVELOP AN ADDITIONAL PROCEDURE WITH A CLIMB GRADIENT.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH  
ZOA ARTCC, NCT TRACON, OAK FSS

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KWVI	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KWVI	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> KMRY	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KMRY	<u>DISTANCE</u> 21.06	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 62

WX REMARKS:  
RASS PRESSURE PATTERNS THE SAME  
KWVI 163.20, KMRY 256.6  
RA = 61.13.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW09 - PAPI-2R		BSC-F	
RW27		BSC-F	
RW20 - MIRL (PCL), PAPI-2L (PCL)		NPI-F	
RW02 - MIRL (PCL), REIL (PCL), PAPI-2L (PCL)		NPI-G	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 139.4	<u>TCH</u> 56.0	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 43.0
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u> 0C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> 0C	<u>APT ISA</u> +14.68C
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CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2017-2021).  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 957 HIGH TEMP 1263.



“VISUAL PORTION OF FINAL” PENETRATIONS

Final Type	CIRCLING - RWY 20		
20:1			
220 POLE (06-029859) 365627.29N/1214715.47W (24.01) (LIGHTED)			
Final Type	CIRCLING - RWY 20		
34:1			
.			
Final Type	CIRCLING - RWY 27		
20:1			
162 POLE (06-029865) 365611.42N/1214641.38W (0.93)			
Final Type	CIRCLING - RWY 9		
20:1			
234 TREE (06-102184) 365618.36N/1214751.66W (28.49)		228 TREE (06-106803) 365618.88N/1214751.70W (21.88)	
220 TOWER (06-029973) 365621.81N/1214750.23W (17.23)		533 TREE (06-133121) 365620.38N/1214908.84W (17.03)	
220 TREE (06-043165) 365620.98N/1214751.69W (12.11)		193 TREE (06-102299) 365616.95N/1214746.06W (11.1)	
301 TREE (06-043167) 365622.01N/1214812.66W (8.34)		188 TREE (06-089287) 365618.19N/1214746.09W (4.91)	
309 TREE (06-108447) 365619.48N/1214816.64W (2.6)		220 TREE (06-099190) 365622.76N/1214753.93W (1.61)	
Final Type	LPV, LNAV/VNAV, LNAV - RWY 2		
34:1			
196 TREE (06-089340) 365530.70N/1214751.13W (19.71)		192 TREE (06-041552) 365533.60N/1214754.15W (19.14)	
177 TREE (06-099140) 365533.41N/1214753.74W (4.19)		169 TREE (06-136284) 365536.41N/1214755.44W (1.56)	

<b>PENETRATIONS REMARKS:</b>
RWY 20: 220 POLE (06-029859) IS LIT.

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or  
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS



PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

DESCENT ANGLE: 3.00/56.0 TCH, 56' USED TO MITIGATE GQS PENETRATIONS.  
192 TREE (06-041552) 365533.60N/1214754.15W (5.64)

CONTINGENCY NOTES FOR BACKUP ALTIMETER SETTING: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MONTEREY ALTIMETER SETTING AND INCREASE LPV DA TO 464 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE LNAV VNAV DA TO 830 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM, AND CIRCLING VISIBILITY CAT C 1/8 SM.

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

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

<b>AIRPORT ID</b> KWVI	<b>PROCEDURE NAME</b> RNAV (GPS) RWY 2	<b>AMDT NO.</b> 3	<b>CITY</b> WATSONVILLE	<b>STATE</b> CA	<b>AIRPORT ELEVATION</b> 163	<b>FACILITY</b> RNAV
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PART D: AIRSPACE

DOCKET # NOT REQUIRED

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

DISTANCE FROM	THLD	TO 1000FT POINT	3.47
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	032.28
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	300
DISTANCE FROM	THLD	TO 1500FT POINT	5.27
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.76
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	032.28
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	300

THRESHOLD  
COORDINATES  
(IF STR-IN)

365544.53N/1214744.86W

ARP COORDINATES

365608.60N/1214722.70W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP

RUNWAY 2 DISTANCE 0.50 NM

FAF  
COORDINATES

365056.76N/1215131.34W

FIX NAME  
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

QUALITY  
20  
CHECKED

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PART E: PREPARED BY

<u>NAME</u> LIAM DONAHUE	<u>OFFICE</u> AJV-A431	<u>DATE</u> 06/10/2022	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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