

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

<u>AIRPORT ID</u> SVE	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29	<u>AMDT NO.</u> 1D	<u>CITY</u> SUSANVILLE	<u>STATE</u> CA	<u>AIRPORT ELEVATION</u> 4149	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM WNDEL **TO** JIVGI

RNP 1.00 DISTANCE 19.14 PAT MAP HAT HMAS

<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	400421.00N/1201118.00W	5588	215	8	4B	2000				AT2412	10000
TERRAIN	400512.00N/1201151.00W	4970 (5000)								AS1500	6500

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM HALLE **TO** JIVGI

RNP 1.00 DISTANCE 14.32 PAT MAP HAT HMAS

<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	400148.00N/1195845.00W	8186	215	8	4B	1000				PR360 AT454	10000
TERRAIN	400148.00N/1195845.00W	7985 (8000)								AS1500	9500

COMPUTATIONS

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

SEGMENT REMARKS:

QUALITY
37
CHECKED

INTERMEDIATE

FROM

JIVGI (IF/IAF)

TO

EVUNE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	5.00										
<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	400524.00N/1201457.00W	7287	215	8	4B	500				PR280 AT1133	9200
TERRAIN	400524.00N/1201457.00W	7086 (7100)								AS1500	8600

COMPUTATIONS

ALT

CIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

EVUNE

TO

WARTI

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	10.00										
<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	400648.00N/1201615.00W	7002	215	8	4B	500				PR260 SA-484 AT222	7500
TERRAIN	400757.00N/1201645.00W	4507 (4500)								AS1500	6000

COMPUTATIONS

ALT

CIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV

FROM

WARTI

TO

CEBAS/5.95 NM TO BIDAY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	3.80										
<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	401751.00N/1202857.00W	4292	215	8	4B	250				RA260 XL188 PR70 DG1140	6200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

CEBAS/5.95 NM TO BIDAY

TO

BIDAY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	5.95		BIDAY		1614						
<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	402018.00N/1203127.00W	5018	215	8	4B	250				DG492	5760

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM

JIVGI

TO

P-10

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-10	<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	400148.00N/1195845.00W	8186	215	8	4B	1000				PR370 AT444	10000
TERRAIN	400148.00N/1195845.00W	7985 (8000)								AS1500	9500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

BIDAY

TO

AHC VOR/DME

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u> 5660				
<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>
							ASC				14000
AAO	402648.00N/1202130.00W	6926	215	8	4B	1000				PR180	8200
TERRAIN	402648.00N/1202130.00W	6725 (6700)								AS1500	8200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
SVE

PROCEDURE NAME
RNAV (GPS) RWY 29

AMDT NO.
1D

CITY
SUSANVILLE

STATE
CA

AIRPORT ELEVATION
4149

FACILITY
RNAV

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	402127.00N/1203445.00W	1.39	1611	4723	215	8	4B	300		SI	5760
CATEGORY B											
TREE	402103.00N/1203509.00W	1.99	1611	4726	215	8	4B	300		SI	5760
CATEGORY C											
TREE	401930.00N/1203530.00W	3.14	1631	5468	215	8	4B	300			5780
CATEGORY D											
AAO	402651.00N/1203348.00W	4.15	1911	5752	215	8	4B	300			6060

CIRCLING REMARKS:

MSA

CENTER	RADIUS
BIDAY	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	395939.00N/1203739.00W	170	22.9	8567	215	8	4B	1000			9600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

RNO FSS, ZOA ARTCC

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3	SVE	24	SVE		Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3	RTS	24	RTS	53.19	Y	247

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KSVR 4149, KRTS 5036
RA = 247.0.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
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<u>AIRPORT ID</u> SVE	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29	<u>AMDT NO.</u> 1D	<u>CITY</u> SUSANVILLE	<u>STATE</u> CA	<u>AIRPORT ELEVATION</u> 4149	<u>FACILITY</u> RNAV
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>		<u>RUNWAY VISUAL RANGE</u>		
RW25						
RW07						
RW11 - MIRL (PCL), PAPI-2L		NPI-F				
RW29 - MIRL (PCL), PAPI-2L		NPI-F				

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 4.00	<u>TCH</u> 52.0
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☐	1501 FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LNAV RWY 29
34:1	
4920 VEGETATION (06-098703) 402017.7500N/1203127.8000W (304.57)	4920 TERRAIN (06-098705) 402017.7600N/1203126.4300W (302.16)
4920 TERRAIN (06-073482) 402016.3600N/1203127.6600W (301.71)	4918 VEGETATION (06-041255) 402018.1400N/1203126.6300W (301.23)
4866 POLE (06-028732) 402016.9800N/1203150.8600W (289.94)	4872 VEGETATION (06-140698) 402017.7300N/1203143.7900W (284.83)
4875 TERRAIN (06-085033) 402017.0700N/1203139.4300W (278.88)	4865 VEGETATION (06-085032) 402016.1100N/1203144.4900W (276.03)
4875 VEGETATION (06-085034) 402018.0600N/1203136.6500W (275.81)	4885 VEGETATION (06-086422) 402014.3700N/1203131.5100W (269.8)
4882 VEGETATION (06-098704) 402013.7200N/1203130.7900W (264.31)	4865 VEGETATION (06-076268) 402022.5400N/1203129.9600W (262.36)
4880 TERRAIN (06-073568) 402021.4300N/1203122.0700W (261.32)	4874 TERRAIN (06-073481) 402022.3600N/1203123.4900W (259.58)
4830 VEGETATION (06-085030) 402018.7000N/1203150.7300W (256.93)	4843 VEGETATION (06-076373) 402020.4100N/1203140.8300W (255.61)
4853 VEGETATION (06-085035) 402020.7500N/1203132.6200W (251.72)	4820 VEGETATION (06-076369) 402020.4800N/1203148.9700W (247.15)
4869 VEGETATION (06-073571) 402013.6800N/1203122.3200W (236.24)	4847 VEGETATION (06-085036) 402011.2400N/1203136.9600W (235.58)
4858 VEGETATION (06-073573) 402009.9800N/1203124.9800W (223.02)	4805 TERRAIN (06-076243) 402024.2700N/1203136.5900W (217.34)
4813 TERRAIN (06-140390) 402024.9500N/1203127.5500W (210.61)	4773 TERRAIN (06-076370) 402023.4200N/1203145.7600W (199.97)
4754 TERRAIN (06-076337) 402022.7300N/1203154.9000W (195.86)	4770 TERRAIN (06-085031) 402012.1700N/1203148.7600W (181.21)
4800 TERRAIN (06-073569) 402009.6900N/1203134.3200W (181.01)	4771 VEGETATION (06-096137) 402006.0500N/1203138.6700W (152.89)
4696 TERRAIN (06-076332) 402025.9300N/1203159.7500W (152.44)	4693 VEGETATION (06-076335) 402028.3700N/1203153.7200W (143.33)
4781 VEGETATION (06-086425) 402009.0900N/1203118.9000W (133.59)	4765 TERRAIN (06-099932) 402018.6000N/1203117.2000W (132.4)

QUALITY
37
CHECKED

<u>AIRPORT ID</u> SVE	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29	<u>AMDT NO.</u> 1D	<u>CITY</u> SUSANVILLE	<u>STATE</u> CA	<u>AIRPORT ELEVATION</u> 4149	<u>FACILITY</u> RNAV
4775 VEGETATION (06-073574) 402007.5600N/1203120.4200W (127.41)			4670 TERRAIN (06-076331) 402029.6500N/1203155.8500W (126.5)			
4707 VEGETATION (06-076372) 402028.4400N/1203132.9400W (120.69)			4763 TERRAIN (06-099933) 402011.7300N/1203116.1600W (115.69)			
4697 VEGETATION (06-076267) 402029.2500N/1203124.2300W (96.79)			4639 VEGETATION (06-076330) 402033.6900N/1203152.1300W (96.49)			
4665 VEGETATION (06-076340) 402027.8700N/1203141.4700W (92.72)			4633 VEGETATION (06-076334) 402033.3400N/1203151.6000W (88.89)			
4693 TERRAIN (06-076269) 402027.9700N/1203122.1200W (86.66)			4772 VEGETATION (06-086456) 402001.7500N/1203104.1700W (84.77)			
4613 TERRAIN (06-095449) 402029.4200N/1203204.5100W (84.4)			4742 VEGETATION (06-073575) 402012.9200N/1203108.1000W (82.65)			
4737 VEGETATION (06-073576) 402012.4400N/1203106.8700W (74.58)			4737 VEGETATION (06-099934) 402011.9200N/1203107.3200W (74.4)			
4752 VEGETATION (06-074692) 402004.2500N/1203104.2400W (69.58)			4759 VEGETATION (06-074697) 401959.9800N/1203103.5400W (67.34)			
4647 VEGETATION (06-098406) 402031.9700N/1203128.3700W (59.22)			4747 VEGETATION (06-074694) 401958.5300N/1203106.0200W (57.01)			
4582 TERRAIN (06-076328) 402034.3000N/1203158.9700W (52.73)			4750 VEGETATION (06-140388) 401957.0900N/1203103.4100W (52.69))			
4704 VEGETATION (06-086426) 402018.1600N/1203106.3800W (51.43)			4684 TERRAIN (06-073572) 402006.4400N/1203129.1300W (49.73)			
4574 TERRAIN (06-141041) 402036.6400N/1203156.7000W (45.1)			4618 VEGETATION (06-100009) 402035.0000N/1203133.4400W (44.87)			
4614 VEGETATION (06-076341) 402031.2100N/1203137.6100W (41.14)			4686 TERRAIN (06-086424) 402019.6000N/1203108.6000W (40.05)			
4713 VEGETATION (06-074690) 402005.3700N/1203106.9700W (37.51)			4545 TERRAIN (06-098388) 402033.5400N/1203208.3800W (30.97)			
4648 TERRAIN (06-073570) 402024.6700N/1203116.9500W (26.33)			4668 TERRAIN (06-140696) 402003.7500N/1203124.5400W (20.57)			
4697 VEGETATION (06-086455) 402009.2400N/1203102.2600W (20.42)			4556 VEGETATION (06-076329) 402039.0500N/1203150.3100W (20.31)			
4615 VEGETATION (06-076244) 402033.5700N/1203120.8100W (16.84)			4543 VEGETATION (06-099882) 402040.5500N/1203152.9000W (14.7)			
4647 TERRAIN (06-086423) 402002.8900N/1203133.6900W (14.15)			4705 VEGETATION (06-086458) 402002.1900N/1203101.2000W (13.34)			
4671 TERRAIN (06-074689) 402015.9100N/1203102.7600W (7.81)			4566 VEGETATION (06-076338) 402034.2100N/1203142.6100W (7.61)			
<u>PENETRATIONS REMARKS:</u>						

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

<u>PENETRATIONS REMARKS:</u>



PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - 20:1 PENETRATIONS.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

CIRCLING CAT D NA SW OF AIRPORT TO AVOID HIGH TERRAIN PER FPT.

LPV, LNAV/VNAV, AND TAA'S NOT DEVELOPED PER FPT.

WARTI TO BIDAY: 3.14/44 NOT DOCUMENTED DUE TO VISUAL SEGMENT OBSTACLES.

AVERAGE VEGETATION ASSUMED TO BE 100 FT.

FEEDER SEGMENT WNDEL TO JIVGI TERRAIN IDENTIFIED AS PRECIPITOUS TERRAIN; ROC REDUCTIONS NOT AUTHORIZED/2000 - FT ROC REQUIRED.

FINAL OFFSET 5 DEGREES TO AVOID R-2530. R-2530 DECOMMISSIONED - PROCEDURE TO BE ALIGNED NEXT FULL AMENDMENT.

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

DISTANCE FROM	MAP	TO 1000FT POINT	4.42
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.48
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	314.10
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	4900
DISTANCE FROM	MAP	TO 1500FT POINT	7.55
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.81
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	314.10
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	4900

THRESHOLD COORDINATES (IF STR-IN)	402222.07N/1203358.26W
ARP COORDINATES	402232.50N/1203421.70W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 29 DISTANCE 0.35 NM
FAF COORDINATES	401525.71N/1202433.55W
FIX NAME COORDINATES	

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
RAKE MCGRAW (JUDITH TUTTLE)	AJV-A431	10/06/2025	AERONAUTICAL INFORMATION SPECIALIST

