

**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> KSAC	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 2	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> SACRAMENTO	<u>STATE</u> CA		
<u>AIRPORT ELEVATION</u> 24	<u>TDZE</u> 21	<u>SUPERSEDED</u> RNAV (GPS) RWY 2	<u>ORIGINAL/AMENDMENT</u> ORIG-E	<u>DATED</u> 06/20/2019	<u>MAG VAR</u> 14E	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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>
EMBER	IAF	JIRAG		TF	FB	1.00	049.52	10.74	2000
COUPS	IAF	JIRAG		TF	FB	1.00	015.66	2.98	2000
VISTO	IAF	JIRAG		TF	FB	1.00	348.17	9.92	2000
JIRAG	IF	SEBAE		TF	FB	1.00	019.03	5.95	1500
SEBAE	FAF	WUDRO/1.96 NM TO RW02		TF	FB	0.30	019.08	2.51	
WUDRO/1.96 NM TO RW02		RW02	MAP	TF	FO	0.30	019.08	1.96	
RW02	MAP	440 MSL		CA			019.08		440
440 MSL		JIRAG		DF	FO	1.00			2000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW02

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 440 THEN CLIMBING LEFT TURN TO 2000 DIRECT JIRAG AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. PROFILE STARTS AT JIRAG

3. FAC:

019.08

FAF: SEBAE

DIST FAF TO MAP: 4.48

DIST FAF TO THLD: 4.48

4. MIN ALT: JIRAG 2000, SEBAE 1500, WUDRO/1.96 NM TO RW02 700

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

200 HAT: 0.46

GS ANT:

6. MIN GP INCPT:

1500

GP ALT AT FAF :

SEBAE 1500

OM:

MM:

IM:

7. GP ANGLE:

3.00

34:1:

IS CLEAR

20:1:

IS CLEAR

TCH:

57.3

8. MSA FROM: RW02 3900

PBN REQUIREMENTS NOTE:

RNP APCH - GPS

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -1°C OR ABOVE 54°C.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EMBER ON V150 SOUTHWEST BOUND, AT COUPS ON V6 SOUTHBOUND AND AT VISTO ON V334-392 SOUTHBOUND.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 SM, INCREASE LNAV ALL CATS VISIBILITY TO 1 SM.  
CHART SPEED ICON IN PLANVIEW AT COUPS: MAX 230 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 019.03 INBOUND.  
CHART FAS OBST: 142 TREE (06-095696) 383024N/1213027W.  
CHART VDP AT 1.02 NM TO RW02  
WAAS CHANNEL # 62810  
REFERENCE PATH ID: W02A  
CHART CIRCLING ICON.  
LTP HAE: -25.7 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	221	1/2	200	221	1/2	200	221	1/2	200	221	1/2	200			
LNAV/VNAV DA	304	1/2	283	304	1/2	283	304	1/2	283	304	1/2	283			
LNAV MDA	400	1/2	379	400	1/2	379	400	5/8	379	400	5/8	379			
CIRCLING	500	1	476	520	1	496	560	1 1/2	536	800	2 1/2	776			

QUALITY  
16  
CHECKED

**CHANGES - REASONS**

1. CHANGES FROM P-NOTAMS FOR ORIG-A, ORIG-B, ORIG-C, ORIG-D, AND ORIG-E INCORPORATED INTO FORM - 8260.19I, 8-3-4.C (3).
2. ADDED LNAV STEPDOWN FIX (WUDRO/1.96 NM TO RW2 700) BETWEEN SEBAE AND RWY02 TO TERMINAL ROUTES - PER FPT REQUEST.
3. TERMINAL ROUTE FROM JIRAG TO SEBAE COURSE AND DISTANCE CHANGED FROM 019.04/6.00 TO 019.03/5.95 - PFAF (SEBAE) MOVED 333.91 FT SW TO MAINTAIN 3 DEGREE GPA.
4. DELETED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED RNP APCH - GPS TO PBN REQUIREMENTS NOTES - IAW 8260.19I PARA 8-6-8.B (2).
5. UPDATED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 3000 DIRECT HOGBI AND ON TRACK 027.48 TO ROZZY AND HOLD." TO "CLIMB TO 440 THEN CLIMBING LEFT TURN TO 2000 DIRECT JIRAG AND HOLD." - PER FPT REQUEST.
6. CHANGED PROFILE LINE 3 DIST FAF TO MAP AND DIST FAF TO THLD FROM 4.42 TO 4.48 - NEW PFAF LOCATION.
7. ADDED "WUDRO/1.96 NM TO RW2 700" TO PROFILE LINE 4 - LNAV STEPDOWN FIX ADDED.
8. PROFILE LINE 7: CHANGED 34:1 IS NOT CLEAR TO 34:1 IS CLEAR AND ADDED 20:1 IS CLEAR - NEW OBSTACLE EVALUATION.
9. AMENDED AND RELOCATED "DISTANCE TO THLD FROM 273 HATH: 0.69 NM" FROM ADDITIONAL FLIGHT DATA TO "DISTANCE TO THLD FROM 200 HAT: 0.46" TO PROFILE LINE 5 - 8260.19I, 8-6-7.E (3).
10. AMENDED NOTE FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C (5°F) OR ABOVE 54°C (130°F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -1°C OR ABOVE 54°C" - IAW 8260.19I PARA 8-6-9.R.
11. CRITICAL LOW BARO-VNAV TEMPERATURE CHANGED FROM -15C TO -1C - 5 YEAR TEMPERATURE HISTORY USED.
12. RELOCATED BACKUP ALTIMETER NOTES FROM THIS FORM TO THE 8260-9 FOR CONTINGENCY PURPOSES - 8260.19I, 8-6-9.F (3).
13. CHANGED CHART NOTE FROM "BARO-VNAV NA WHEN USING SACRAMENTO INTERNATIONAL ALTIMETER SETTING" TO "BARO-VNAV AND VDP NA WHEN USING SACRAMENTO INTERNATIONAL ALTIMETER SETTING." AND MOVED TO 8260-9 FOR CONTINGENCY PURPOSES. - VDP PUBLISHED DUE TO NO 20:1 PENETRATIONS.
14. ADDITIONAL FLIGHT DATA: ADDED HOLD S, RT, 019.08 INBOUND. - NEW MISSED APPROACH HOLDING.
15. REMOVED CHART FAS OBST: 107 TREE 382951N/1213013W AND CHART FAS OBSTACLE: 205 T-L TWR 382800N/1213021W FROM ADDITIONAL FLIGHT DATA - NEW OBSTACLE EVALUATION.
16. ADDED CHART FAS OBST: 142 TREE (06-095696) 383024N/1213027W TO ADDITIONAL FLIGHT DATA - NEW OBSTACLE EVALUATION AND 8260.19I, 8-6-10.C.
17. ADDITIONAL FLIGHT DATA: ADDED VDP AT 1.02 NM TO RW02 - VDP IS NOW PUBLISHABLE. 20:1 IS NOW CLEAR.
18. ADDED "CHART CIRCLING ICON" TO ADDITIONAL FLIGHT DATA - 8260.19I 8-6-10.S.
19. AMENDED ALTERNATE MINIMUMS FROM "STANDARD" TO "STANDARD - CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE" - 8260.19I 8-6-11 B(4).
20. LOWERED LPV DA/HAT ALL CATS FROM DA 294/HAT 273 TO DA 221/HAT 200 - PENETRATIONS REMOVED.
21. LOWERED LNAV/VNAV DA/HAT ALL CATS FROM DA 373/HAT 352 TO DA 304/HAT 283 - NEW OBSTACLE EVALUATION.
22. LOWERED LNAV MDA/HAT ALL CATS FROM MDA 440/HAT 419 TO MDA 400/HAT 379 - NEW OBSTACLE EVALUATION.
23. INCREASED CIRCLING CAT C MDA/HAA FROM 520/496 TO 560/536 AND CIRCLING CAT D MDA/HAA FROM 580/566 TO 800/776 - INCORPORATED !FDC NOTAM 0/6577.
24. LOWERED LNAV/VNAV VISIBILITY ALL CATS FROM 5/8 SM TO 1/2 SM AND LNAV VISIBILITY CATS C/D FROM 3/4 SM TO 5/8 SM - NEW VISCHECKS.
25. RAISED CIRCLING CAT D VISIBILITY FROM 2 SM TO 2 1/2 SM - INCORPORATED !FDC NOTAM 0/6577.
26. CRC REMAINDER CHANGED FROM "FCDCDB29" TO "A4B2479A." - VERTICAL ALERT LIMIT (VAL) AND FPAP LAT/LONG UPDATED.
27. VERTICAL ALERT LIMIT (VAL) CHANGED FROM 50 TO 35 - 200 HAT AUTHORIZED.
28. ADDED SPEED RESTRICTION OF 230 KIAS AT IAF (COUPS) - SPEED RESTRICTION TO ALLOW FOR ATC VECTORING.
29. FPAP LAT/LONG UPDATED FROM "383133.4500N/1212900.5900W" TO "383133.4450N/1212900.5950W." - NEW TARGETS EVALUATION.

**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** NORCAL APP CON, TRAVIS APP CON, ST AV. DIR., AMGR

**FLIGHT CHECKED BY**

DANIEL C FAVORITE

*Digitally signed by*

**JASON KRETSCHMER**

Mar 05, 2021

**OFFICE**

FICO

**DATE**

3/2/2021

**DEVELOPED BY**

JASON KRETSCHMER (DALLIN STRICKLAND)

*Digitally signed by*

**JASON KRETSCHMER**

Jan 19, 2021

**OFFICE**

AJV-A421

**DATE**

11/10/2020

**APPROVED BY**

MARLON ROBINSON

*Digitally signed by*

**JASON KRETSCHMER**

Jan 19, 2021

**OFFICE**

AJV-A420

**DATE**

**TITLE**  
MANAGER

QUALITY  
16  
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSAC
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	383018.7475N
LTP/FTP LONGITUDE	1213002.6270W
LTP/FTP ELLIPSOIDAL HEIGHT	-00257
FPAP LATITUDE	383133.4450N
FPAP LONGITUDE	1212900.5950W
THRESHOLD CROSSING HEIGHT (TCH)	00057.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 CRC REMAINDER	 A4B2479A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00053
FPAP ORTHOMETRIC HEIGHT	+00053



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

<u>AIRPORT ID</u> KSAC	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 2	<u>AMDT NO.</u> 1	<u>CITY</u> SACRAMENTO	<u>STATE</u> CA	<u>AIRPORT ELEVATION</u> 24	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM  
EMBER

TO  
JIRAG

<u>RNP</u>	<u>DISTANCE</u> 10.74	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					<u>MIN ALT</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	382112.00N/1213939.00W		305	164	98	4E	1000				AT695	2000
TERRAIN	382112.00N/1213939.00W		105 (100)								AS1500	1600

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

FROM  
COUPS

TO  
JIRAG

<u>RNP</u>	<u>DISTANCE</u> 2.98	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					<u>MIN ALT</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	382112.00N/1213939.00W		305	164	98	4E	1000				AT695	2000
TERRAIN	382112.00N/1213939.00W		105 (100)								AS1500	1600

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

FROM  
VISTO

TO  
JIRAG

RNP	DISTANCE 9.92	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	382112.00N/1213939.00W		305	164	98	4E	1000				AT695	2000
TERRAIN	382112.00N/1213939.00W		105 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM  
JIRAG

TO  
SEBAE

RNP	DISTANCE 5.95	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	382112.00N/1213939.00W		305	164	98	4E	500				AC98 AT500	1500
TERRAIN	382615.00N/1213333.00W		75 (100)								AS1000	1100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LPV

FROM  
SEBAE

TO  
RW02

RNP	DISTANCE 4.48	PAT	MAP DA	HAT 200	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				221

COMPUTATIONS

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

LPV:34.00:1  
FINAL: LNAV/VNAV

FROM  
SEBAE

TO  
RW02

RNP	DISTANCE 4.48	PAT	MAP DA	HAT 283	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (06-095696)	383023.97N/1213026.73W		142	20	3	1A	162					304

COMPUTATIONS

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

LNAV/VNAV: 22.00:1



FINAL: LNAV

FROM  
SEBAE

TO  
WUDRO/1.96 NM TO RW02

<u>RNP</u>	<u>DISTANCE</u> 2.51	<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	382716.37N/1213350.80W		210	50	20	2C	250				RA40 AT200	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:

FINAL: LNAV STEPDOWN

FROM  
WUDRO/1.96 NM TO RW02

TO  
RW02

<u>RNP</u>	<u>DISTANCE</u> 1.96	<u>PAT</u>	<u>MAP</u> RW02	<u>HAT</u> 379			<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 (06-095696)	383023.97N/1213026.73W		142	20	3	1A	250					400

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

JIRAG

RNP	DISTANCE	PAT	MAP	HAT			HMAS 50					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2000
TOWER (06-000038)	383516.00N/1212926.00W		586	100	20	3C	1000					1600
TERRAIN	382809.00N/1213209.00W		98 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LNAV/VNAV

FROM

DA

TO

JIRAG

RNP	DISTANCE	PAT	MAP	HAT			HMAS 143					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2000
TOWER (06-000038)	383516.00N/1212926.00W		586	100	20	3C	1000					1600
TERRAIN	382809.00N/1213209.00W		98 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH : LNAV

FROM  
RW02

TO  
JIRAG

RNP	DISTANCE	PAT	MAP	HAT			HMAS 300					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2000
TOWER (06-000038)	383516.00N/1212926.00W		586	100	20	3C	1000					1600
TERRAIN	382809.00N/1213209.00W		98 (100)								AS1500	1600

COMPUTATIONS

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

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											
TOWER (06-001821)	383047.00N/1213014.00W	1.30	476	186	20	3	1A	300			500
CATEGORY B											
TANK (06-001409)	383233.72N/1212915.18W	1.81	496	214	20	3	1A	300			520
CATEGORY C											
BUILDING (06-088885)	383318.47N/1212720.00W	2.84	536	258	20	3	1A	300			560
CATEGORY D											
BUILDING (06-020464)	383441.00N/1213005.00W	3.70	776	438	500	50	5D	300		AC50	800

CIRCLING REMARKS:



MSA

CENTER

RW02

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (06-033928)	382334.10N/1220553.12W	243	29.0	2828	250	125	4E	1000			3900

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH  
NORCAL APP CON

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KSAC	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KSAC	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> KSMF	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KSMF	<u>DISTANCE</u> 12.273	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 29

WX REMARKS:  
RASS PRESSURE PATTERNS THE SAME  
KSAC 24, KSMF 27  
RA = 28.7.

<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>
RW12 - MIRL (PCL), REIL (PCL), PAPI-4L		BSC-G	
RW30 - MIRL (PCL), REIL (PCL), PAPI-4R		BSC-G	
RW02 - MALSR (PCL), MIRL (PCL)		PIR-G	
RW20 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)		PIR-G	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 17.3	<u>TCH</u> 57.3	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
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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> -1C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -1C	<u>APT ISA</u> +14.95C
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CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2015-2019).  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 955 HIGH TEMP 1260.

"VISUAL PORTION OF FINAL" PENETRATIONS



**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.

FOR CONTINGENCY PURPOSES:  
WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SACRAMENTO INTL ALTIMETER SETTING: INCREASE LPV DA TO 250 FEET; INCREASE LNAV/VNAV DA TO 333 FEET; INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CATS C AND D 1/8 SM, CIRCLING CAT D VISIBILITY 1/4 SM.

BARO-VNAV AND VDP NA WHEN USING SACRAMENTO INTERNATIONAL ALTIMETER SETTING.

FOR INOPERATIVE ALS WHEN USING SACRAMENTO INTL ALTIMETER SETTING, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 SM, INCREASE LNAV CATS C/D VISIBILITY TO 1 1/8 SM.

MAXIMUM VEGETATION HEIGHT: 100 FEET

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<div>AIRPORT ID KSAC</div>	<div>PROCEDURE NAME RNAV (GPS) RWY 2</div>	<div>AMDT NO. 1</div>	<div>CITY SACRAMENTO</div>	<div>STATE CA</div>	<div>AIRPORT ELEVATION 24</div>	<div>FACILITY RNAV</div>
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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	THLD	TO 1000FT POINT	3.22
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	033.08
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	100
DISTANCE FROM	THLD	TO 1500FT POINT	9.62
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	33.03
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	100

THRESHOLD  
COORDINATES  
(IF STR-IN)

383018.75N/1213002.63W

ARP COORDINATES

383046.30N/1212935.88W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP

RUNWAY 2 DISTANCE 0.58 NM

FAF  
COORDINATES

382633.52N/1213309.40W

FIX NAME  
COORDINATES

REMARKS

QUALITY  
16  
CHECKED

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Electronic Version

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PART E: PREPARED BY

<u>NAME</u> JASON KRETSCHMER (DALLIN STRICKLAND)	<u>OFFICE</u> AJV-A421	<u>DATE</u> 11/10/2020	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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