

RADIO FIX AND HOLDING DATA RECORD

NAME: COUPS

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 381858.58N/1213909.44W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	SACRAMENTO	SAC	VORTAC	H	195.00	212.00	9.00	9.00		2000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V-6	1				(US)
IAP	RNAV (GPS) RWY 16			KDWA	DAVIS/WOODLAND/WINTERS	CA (US)
IAP	RNAV (GPS) RWY 34			KDWA	DAVIS/WOODLAND/WINTERS	CA (US)
IAP	ILS OR LOC RWY 2	1		KSAC	SACRAMENTO	CA (US)
IAP	RNAV (GPS) RWY 2			KSAC	SACRAMENTO	CA (US)
IAP	VOR RWY 2	1		KSAC	SACRAMENTO	CA (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

1. REQUIRED CHARTING: REMOVED CONTROLLER AND ADDED CONTROLLER LOW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: DALLIN STRICKLAND

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

JASON KRETSCHMER

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZOA

ATC FACILITY: NORCAL APP CON

OTHER:

Jan 19, 2021

QUALITY
16
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: EMBER

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 381647.10N/1214930.52W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	SACRAMENTO	SAC	VORTAC	H	215.81	232.81	16.22	16.22		3000	17500
2	WILLIAMS	ILA	VORTAC	L	150.62	168.62	48.38	48.38		3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ILA	VORTAC	R-151	49	3000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

SACRAMENTO (FAC 1) AND WILLIAMS (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TEXTUAL DEPARTURE RWY 18	1, 2		KO41	WOODLAND	CA (US)
EN ROUTE	V150	1, 2				CA (US)
IAP	RNAV (GPS) RWY 34			KDWA	DAVIS WOODLAND WINTERS	CA (US)
IAP	RNAV (GPS) RWY 2			KSAC	SACRAMENTO	CA (US)

REQUIRED CHARTING: DP, IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

1. REQUIRED CHARTING: REMOVED CONTROLLER AND ADDED CONTROLLER LOW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: DALLIN STRICKLAND

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: Digitally signed by

JASON KRETSCHMER

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZOA

ATC FACILITY: TRAVIS APP CON

OTHER: NORCAL APP CON

QUALITY
16
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HOGBI

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 383430.21N/1212633.65W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	KSAC R02	null				033.11	5.00				17500

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	SACRAMENTO EXECUTIVE - RNAV (GPS) RWY 2.			KSAC	SACRAMENTO	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 11/20/2008

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

JASON KRETSCHMER

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZOA

ATC FACILITY: norcal app con

OTHER:

Jan 19, 2021

QUALITY
16
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JIRAG STATE: CA COUNTRY: US ICAO REGION CODE: K2
 LATITUDE/LONGITUDE: 382134.22N/1213716.87W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:		IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES MIN MAX	TEMPLATES	
PAT	DIR									MIN	MAX
1	S		WP	195.00	015.00	R	4	3100	6000	5	13
2	S		WP	199.03	019.03	R	4	2000	4000	4	5

CONTROLLING OBSTRUCTIONS:			COORDINATES	ELEVATION	ACCURACY CODE
PAT	AIRSPEED	OBSTRUCTION			
1	200	TOWER (06-001884)	381618.00N/1213022.00W	2030	5C
1	310	TOWER (06-001883)	381424.00N/1213007.00W	2049	3D
2	200	AAO	382000.00N/1213418.00W	355	4E

HOLDING RESTRICTIONS:
 HOLDING LIMITED TO ESTABLISHED PATTERN

PROCEDURES REQUIRING CLIMB-IN-HOLD:				CITY	STATE
PAT	PROCEDURE TITLE	AIRPORT IDENT			
1	RNAV (GPS) RWY 25	KO88		RIO VISTA	CA (US)

REMARKS:
 PRECIPITOUS TERRAIN EVALUATION COMPLETED
 HOLDING OBS #1 200 AIRSPEED IS LOCATED 1.88NM INSIDE SECONDARY AREA.

FIX USE:		USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE							
IAP		RNAV (GPS) RWY 25		1	KO88	RIO VISTA	CA (US)
IAP		RNAV (GPS) RWY 2		2	KSAC	SACRAMENTO	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 04/22/2021

REASON FOR REVISION:
 HOLDING PATTERNS: ADDED PAT 2.
 CONTROLLING OBSTRUCTIONS: ADDED PAT 2 CONTROLLING OBSTACLE AAO 355 FT.
 FIX USE: ADDED IAP RNAV (GPS) RWY 2.
 FIX USE: ADDED PAT 2 TO IAP RNAV (GPS) RWY 2 AT KSAC.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A421	NAME: DALLIN STRICKLAND
APPROVED BY:	DATE:	OFFICE: AJV-A420	NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*
JASON KRETSCHMER

DISTRIBUTION: NFDC
 FPO: WST
 ARTCC: ZOA
 ATC FACILITY: NORCAL APP CON
 OTHER:

Jan 19, 2021

QUALITY
 16
 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ROZZY STATE: CA COUNTRY: US ICAO REGION CODE: K2
 LATITUDE/LONGITUDE: 384442.45N/1211501.75W TYPE: WP, INT, DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	SACRAMENTO	SAC	VORTAC	H	021.01	038.01	22.96	22.96	3500	17500
2	WILLIAMS	ILA	VORTAC	L	100.00	118.00	41.30	41.30	3500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ILA	VORTAC	R-100	42	3000	17500

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SE		WP	131.34	311.34	R		4	2500	6000	5	6
2	E	ILA	VORTAC	100.00	280.00	R	1		3000	6000	6	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	384027.00N/1210509.00W	1375	4E
2	200	AAO	384724.00N/1210457.00W	1631	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

SACRAMENTO (FAC 1) AND WILLIAMS (FAC 2) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V392	1, 2				(US)
EN ROUTE	V494	1, 2				(US)
IAP	RNAV (GPS) RWY 7			KAUN	AUBURN	CA (US)
IAP	ILS OR LOC RWY 15	1, 2	2	KLHM	LINCOLN	CA (US)
IAP	RNAV (GPS) RWY 15		1	KLHM	LINCOLN	CA (US)
IAP	RNAV (GPS) RWY 33		1	KLHM	LINCOLN	CA (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

- HOLDING: REMOVED PAT 2. PAT 3 IS NOW PAT 2.
- CONTROLLING OBSTRUCTIONS: PAT 2 OBSTRUCTION DELETED. PAT 3 OBSTRUCTION IS NOW PAT 2 OBSTRUCTION.
- FIX USE: REMOVED IAP RNAV (GPS) RWY 2 KSAC.
- REQUIRED CHARTING: REMOVED CONTROLLER AND ADDED CONTROLLER LOW.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A421 NAME: DALLIN STRICKLAND

APPROVED BY: DATE: OFFICE: AJV-A420 NAME: MARLON ROBINSON

SIGNATURE: Digitally signed by

JASON KRETSCHMER

DISTRIBUTION: NFDC Jan 19, 2021

FPO: WST
 ARTCC: ZOA
 ATC FACILITY: NORCAL APP CON
 OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: SEBAE

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 382633.52N/1213309.40W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 2

FAC

PAT

AIRPORT IDENT
KSAC

CITY
SACRAMENTO

STATE
CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

1. REMOVED FIX MAKEUP FOR SEBAE FIX WP.
2. UPDATED FIX USE TO SHOW CORRECTED IAP RNAV (GPS) RWY 2 FOR KSAC.
3. UPDATED FIX COORDINATES, FIX MOVED 334 FT SOUTHWEST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: DALLIN STRICKLAND

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by
JASON KRETSCHMER

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: NORCAL / EXEC ATCT
OTHER:

Jan 19, 2021

QUALITY
16
CHECKED

NAME: VISTO	STATE: CA	COUNTRY: US	ICAO REGION CODE: K2
LATITUDE/LONGITUDE: 381138.70N/1213745.54W	TYPE: WP. DME		

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RADIO FIX AND HOLDING DATA RECORD

NAME: WUDRO

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 382839.93N/1213124.62W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 2

FAC PAT

AIRPORT IDENT CITY
KSAC SACRAMENTO

STATE
CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/22/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: DALLIN STRICKLAND

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

JASON KRETSCHMER

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: NORCAL / EXEC ATCT
OTHER:
Jan 19, 2021

QUALITY
16
CHECKED