

# RADIO FIX AND HOLDING DATA RECORD

NAME: DIRBE

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 385009.77N/1213440.45W

TYPE: WP, RADAR, 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	I-MDK	LOC/DME		347.76	000.76	9.32	9.31		1900	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17L	1		KSMF	SACRAMENTO	CA (US)
IAP	ILS RWY 17L (SA CAT II)	1		KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) Y RWY 17L			KSMF	SACRAMENTO	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 05/21/2020

## REASON FOR REVISION:

1. FIX USE: UPDATED ALL KSMF IAP RUNWAY REFERENCES FROM RWY 16L TO RWY 17L.
2. FIX USE: UPDATED KSMF IAP FROM ILS RWY 16L (CAT II) TO ILS RWY 17L (SA CAT II).
3. REMARKS: DELETED SACRAMENTO (FAC 1) USED TO ESTABLISH FIX COORDINATES - IAW 8260.19H 8-5-2E(1).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: MARK CIARLONE

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

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

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** JAMIM

**STATE:** CA

**COUNTRY:** US

**ICAO REGION CODE:** K2

**LATITUDE/LONGITUDE:** 384537.87N/1213444.95W

**TYPE:** WP

**AIRSPACE DOCKET:**

**FIX TYPE OF ACTION:** NO CHANGE

**HOLDING:**

**HOLDING TYPE OF ACTION:** NO CHANGE

**FIX USE:**

**USE TYPE**  
IAP

**USE TITLE**  
RNAV (GPS) Y RWY 17L

**FAC**

**PAT**

**AIRPORT IDENT**  
KSMF

**CITY**  
SACRAMENTO

**STATE**  
CA (US)

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1

**DATE OF REVISION:** 05/21/2020

**REASON FOR REVISION:**

1. FIX USE: UPDATED KSMF IAP FROM RNAV (GPS) Y RWY 16L TO RNAV (GPS) Y RWY 17L.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A423

**NAME:** MARK CIARLONE

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-A420

**NAME:** MARLON ROBINSON

**SIGNATURE:**

**DISTRIBUTION:**

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

# RADIO FIX AND HOLDING DATA RECORD

NAME: LEVEY

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 384808.56N/1213442.44W

TYPE: WP, RADAR, 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	FEET	MRA	MAA
1	SACRAMENTO	I-MDK	LOC/DME		347.76	000.76	7.30	7.29	44305	1900	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

PFAF LAT-LONG DETERMINED BY IPDS (WHICH IS ONLY 2.38FT FROM IAPA-DERIVED PFAF LOCATION).

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17L	1		KSMF	SACRAMENTO	CA (US)
IAP	ILS RWY 17L (SA CAT II)	1		KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) Y RWY 17L			KSMF	SACRAMENTO	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 05/21/2020

## REASON FOR REVISION:

1. FIX USE: UPDATED ALL KSMF IAP RUNWAY REFERENCES FROM RWY 16L TO RWY 17L.
2. FIX USE: UPDATED KSMF IAP FROM ILS RWY 16L (CAT II) TO ILS RWY 17L (SA CAT II).
3. REMARKS: DELETED SACRAMENTIO (FAC 1) USED TO ESTABLISH FIX COORDINATES - IAW 8260.19H 8-5-2E(1).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: MARK CIARLONE

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

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

# RADIO FIX AND HOLDING DATA RECORD

NAME: ORRCA

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 382637.17N/1213305.84W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	S		WP	200.00	020.00	R	4	3000	4000	5	5

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	382000.00N/1213418.00W	355	4E

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HUSSH (RNAV)			KOAK	OAKLAND	CA (US)
DP	OAKLAND			KOAK	OAKLAND	CA (US)
DP	SKYLINE			KOAK	OAKLAND	CA (US)
DP	CIITY (RNAV)			KSFO	SAN FRANCISCO	CA (US)
DP	NIITE (RNAV)			KSFO	SAN FRANCISCO	CA (US)
DP	SNTNA (RNAV)			KSFO	SAN FRANCISCO	CA (US)
DP	TRUKN (RNAV)			KSFO	SAN FRANCISCO	CA (US)
DP	ALMDN (RNAV)			KSJC	SAN JOSE	CA (US)
DP	BMRNG (RNAV)			KSJC	SAN JOSE	CA (US)
DP	LOUPE			KSJC	SAN JOSE	CA (US)
EN ROUTE	Q120					(US)
IAP	RNAV (GPS) Y RWY 17L		1	KSMF	SACRAMENTO	CA (US)
STAR	RISTI (RNAV)			KSFO	SAN FRANCISCO	CA (US)
STAR	RISTI (RNAV)			KSJC	SAN JOSE	CA (US)
STAR	ORRCA (RNAV)			KRNO	RENO	NV (US)
STAR	TARVR (RNAV)			KRNO	RENO	NV (US)

REQUIRED CHARTING: DP, STAR, IAP, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 11/03/2022

## REASON FOR REVISION:

1. FIX USE: ADDED ORRCA (RNAV) AND TARVR (RNAV) STARS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: SCOTT LINDHOLM

APPROVED BY:

DATE: 11/03/2022

OFFICE: AJV-A430

NAME: JOHNNIE BAKER

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** TENCO **STATE:** CA **COUNTRY:** US **ICAO REGION CODE:** K2

**LATITUDE/LONGITUDE:** 385328.01N/1212314.70W **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 FEET	MRA	MAA
1	SQUAW VALLEY	SWR	VOR/DME	L	236.00	252.00	55.06	55.06	5000	17500
2	SACRAMENTO	SAC	VORTAC	H	359.01	016.01		27.90	5000	17500
3	MARYSVILLE	MYV	VOR/DME	T	129.02	145.02		15.17	5000	12000

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SWR	VOR/DME	R-236	56	5000	17500

**HOLDING:** **HOLDING TYPE OF ACTION:** NO CHANGE

**REMARKS:**

SQUAW VALLEY (FAC 1) USED TO ESTABLISH FIX COORDINATES.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17L			KSMF	SACRAMENTO	CA (US)
IAP	ILS OR LOC RWY 17R			KSMF	SACRAMENTO	CA (US)
IAP	ILS RWY 17L (SA CAT II)			KSMF	SACRAMENTO	CA (US)
IAP	ILS RWY 17R (CAT II-III)			KSMF	SACRAMENTO	CA (US)
IAP	ILS RWY 17R (SA CAT I)			KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) Y RWY 17L			KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) Y RWY 17R			KSMF	SACRAMENTO	CA (US)
IAP	RNAV (RNP) Z RWY 17L			KSMF	SACRAMENTO	CA (US)
IAP	RNAV (RNP) Z RWY 17R			KSMF	SACRAMENTO	CA (US)
STAR	SQUAW VALLEY	1, 2, 3		KSUU	FAIRFIELD	CA (US)
STAR	SLMMR (RNAV)			KSMF	SACRAMENTO	CA (US)

**REQUIRED CHARTING:** STAR, IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 12 **DATE OF REVISION:** 03/24/2022

**REASON FOR REVISION:**

ADDED RNAV (RNP) Z RWY 17L/R (KSMF) TO FIX USE.

**INITIATED BY:** **DATE:** **ORGANIZATION:** **NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:** AJV-A411 **NAME:** SYLVAN DRAKES

**APPROVED BY:** **DATE:** 01/27/2022 **OFFICE:** AJV-A410 **NAME:** JULIE MORGAN

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: VRONA

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 385856.57N/1213431.59W

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	I-MDK	LOC/DME		347.76	000.76	18.09	18.08		1900	12000
2	WILLIAMS	ILA	VORTAC	L	086.00	104.00	21.78	21.78		1900	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-MDK	LOC/DME	R-348	19	1900	12000

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
IAP	ILS OR LOC RWY 17L	1, 2		KSMF	SACRAMENTO	CA (US)
IAP	ILS RWY 17L (SA CAT II)	1, 2		KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) Y RWY 17L			KSMF	SACRAMENTO	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 02/23/2023

## REASON FOR REVISION:

FIX USE: ADDED FAC 2 TO ILS RWY 17L (SA CAT II).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE: