

# RADIO FIX AND HOLDING DATA RECORD

NAME: JATPO

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 380911.73N/1222703.39W

TYPE: INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	SCAGGS ISLAND	SGD	VORTAC	L	230.00	247.00	4.00	4.00		2600	17500
2	SAUSALITO	SAU	VOR/DME	L	353.78	010.78		18.18		2600	17500

## REMARKS:

SCAGGS ISLAND (FAC 1) AND SAUSALITO (FAC 2) USED TO ESTABLISH FIX COORDINATES.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR RWY 6	1, 2		KAPC	NAPA	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/15/2016

## REASON FOR REVISION:

1. UPDATE FAC 2 FROM VORTAC TO VOR/DME.
2. ADDED INT TO TYPE.
3. ADDED REMARK: SCAGGS ISLAND (FAC 1) AND SAUSALITO (FAC 2) USED TO ESTABLISH FIX COORDINATES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 06/16/2016

OFFICE: AJV-5421

NAME: JACOB POWERS (DARREN HOOPER)

APPROVED BY:

DATE: 06/23/2016

OFFICE: AJV-5430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZOA  
ATC FACILITY: APC TOWER  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: JUNUV

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 381213.69N/1221800.60W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	SCAGGS ISLAND	SGD	VORTAC	L	049.99	066.99	3.75	3.75		360	17500

## FIX USE:

USE TYPE  
IAP

USE TITLE  
VOR RWY 6

FAC  
1

PAT

AIRPORT IDENT  
KAPC

CITY  
NAPA

STATE  
CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/15/2016

## REASON FOR REVISION:

UPDATED SGD VORTAC FROM HISTORY STATUS TO ACTIVE STATUS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 05/02/2016

OFFICE: AJV-5431

NAME: JOHNNIE BAKER (CHRISTINE BAYSE)

APPROVED BY:

DATE: 06/23/2016

OFFICE: AJV-5430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZOA  
ATC FACILITY: APC TOWER  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** POINT REYES VOR/DME **STATE:** CA **COUNTRY:** US **ICAO REGION CODE:** K2

**LATITUDE/LONGITUDE:** 380447.12N/1225204.18W **TYPE:**

**AIRSPACE DOCKET:** 19-AWP-98 **FIX TYPE OF ACTION:** MODIFY

**FIX MAKE-UP FACILITIES:**

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	POINT REYES	PYE	VOR/DME	H						45000

**FIX RESTRICTIONS:**

MCA V25 8200 NORTHBOUND

**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	NW	PYE	VORTAC	324.98	144.98	R	1-1 1/2	4000 45000	4 29
2	S	PYE	VORTAC	190.37	010.37	R	1	4000 10000	5 9

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	380224.00N/1224924.00W	1670	4E
2	200	AAO	380224.00N/1224924.00W	1670	4E

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAGVAR: 17E (1980).

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BUCHANAN			KCCR	CONCORD	CA (US)
DP	HALF MOON BAY			KHAF	HALF MOON BAY	CA (US)
DP	LIZRD			KAPC	NAPA	CA (US)
DP	MERLOT			KAPC	NAPA	CA (US)
DP	OZIEE (RNAV)			KAPC	NAPA	CA (US)
DP	COAST			KOAK	OAKLAND	CA (US)
DP	NIMITZ			KOAK	OAKLAND	CA (US)
DP	NUEVO			KOAK	OAKLAND	CA (US)
DP	SKYLINE			KOAK	OAKLAND	CA (US)
DP	MOLEN			KSFO	SAN FRANCISCO	CA (US)
DP	OFFSHORE			KSFO	SAN FRANCISCO	CA (US)
DP	CHARLIE			KSTS	SANTA ROSA	CA (US)
EN ROUTE	J143					(US)
EN ROUTE	J501					(US)
EN ROUTE	J88					(US)
EN ROUTE	Q1					(US)
EN ROUTE	Q3					(US)
EN ROUTE	T257					(US)
EN ROUTE	V107					(US)
EN ROUTE	V25					(US)
EN ROUTE	V27					(US)
EN ROUTE	V301					(US)
IAP	RNAV (GPS) RWY 6			KAPC	NAPA	CA (US)
IAP	VOR RWY 6			KAPC	NAPA	CA (US)
IAP	VOR RWY 29			O69	PETALUMA	CA (US)
IAP	ILS OR LOC RWY 32			KSTS	SANTA ROSA	CA (US)
IAP	ILS OR LOC RWY 32 ALTERNATE		2	KSTS	SANTA ROSA	CA (US)
MISS						
IAP	RNAV (GPS) RWY 2			KSTS	SANTA ROSA	CA (US)
IAP	RNAV (GPS) RWY 32			KSTS	SANTA ROSA	CA (US)
STAR	POINT REYES		1	KNUQ	MOUNTAIN VIEW	CA (US)
STAR	POINT REYES		1	KPAO	PALO ALTO	CA (US)
STAR	POINT REYES		1	KSQL	SAN CARLOS	CA (US)
STAR	POINT REYES		1	KSFO	SAN FRANCISCO	CA (US)
STAR	STINS		1	KSFO	SAN FRANCISCO	CA (US)
STAR	POINT REYES		1	KRHV	SAN JOSE	CA (US)
STAR	BRINY		1	KSJC	SAN JOSE	CA (US)
STAR	POINT REYES		1	KSJC	SAN JOSE	CA (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 24

**DATE OF REVISION:** 08/12/2021

**REASON FOR REVISION:**

1. ADDED PAT 2 AND CONTROLLING OBSTRUCTION.
2. DELETED REMARK "NAME CHANGED FROM POINT REYES VORTAC TO POINT REYES VOR/DME".
3. ADDED ILS OR LOC RWY 32 ALTERNATE MISS AT KSTS TO FIX USE.
4. CHANGED HOLDING RESTRICTIONS: "HOLDING LIMITED TO ESTABLISHED PATTERN" TO "HOLDING LIMITED TO ESTABLISHED PATTERNS".
5. REMOVED IAP VOR/DME RWY 14 AT KSTS FROM FIX USE.
6. ADDED AIRSOACE DOCKET NUMBER 19-AWP-98.
7. ADDED FIX RESTRICTIONS: MCA V25 8200 NORTHBOUND.

**INITIATED BY:****DATE:****ORGANIZATION:****NAME:****OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

**NAME:** THOR CORNELL**APPROVED BY:****DATE:** 03/10/2021**OFFICE:** AJV-A430**NAME:** LONNIE EVERHART**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: POPES

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 382909.41N/1222045.16W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

**FIX MAKE-UP FACILITIES:**

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	SACRAMENTO	SAC	VORTAC	H	257.11	274.11	37.51	37.51		7000	17500
2	SCAGGS ISLAND	SGD	VORTAC	L	347.00	004.00		18.42		5000	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	150.39	330.39	R		5	5000	6000	6	14
2	N		WP	349.00	169.00	R		5	5000	6000	6	14
3	N	SGD	VORTAC	347.00	167.00	R	1		7000	7000	10	16

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	382716.00N/1221544.10W	2863	6C
1	310	AAO	382425.70N/1220629.00W	3019	6C
2	200	AAO	382709.00N/1221603.00W	2700	4E
2	310	AAO	383949.21N/1221125.03W	3262	1A
3	230	AAO	383648.00N/1222951.00W	3252	4E
3	310	AAO	384009.00N/1223800.00W	4544	4E

**PRECIPITOUS TERRAIN ADDITIONS:**

PAT	SPEED	ADDITION
1	200	240
1	310	210
2	200	230
2	310	260
3	310	260
3	230	230

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN(S)  
PAT 3 CHART 230K ICON

**PROCEDURES REQUIRING CLIMB-IN-HOLD:**

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) Z RWY 1L	KAPC	NAPA	CA (US)
1	RNAV (GPS) Y RWY 1L	KAPC	NAPA	CA (US)
2	RNAV (GPS) RWY 6	KAPC	NAPA	CA (US)
3	VOR RWY 6	KAPC	NAPA	CA (US)

**REMARKS:**

SACRAMENTO (FAC 1) AND SCAGGS ISLAND (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	T263					(US)
EN ROUTE	T329					(US)
EN ROUTE	V494	1, 2				(US)
IAP	RNAV (GPS) RWY 6		2	KAPC	NAPA	CA (US)
IAP	RNAV (GPS) Y RWY 1L		1	KAPC	NAPA	CA (US)
IAP	RNAV (GPS) Z RWY 1L		1	KAPC	NAPA	CA (US)
IAP	VOR RWY 6	1, 2	3	KAPC	NAPA	CA (US)
STAR	POINT REYES	1, 2		KNUQU	MOUNTAIN VIEW	CA (US)
STAR	POINT REYES	1, 2		KPAO	PALO ALTO	CA (US)
STAR	POINT REYES	1, 2		KSQL	SAN CARLOS	CA (US)
STAR	POINT REYES	1, 2		KSFO	SAN FRANCISCO	CA (US)
STAR	POINT REYES	1, 2		KRHV	SAN JOSE	CA (US)
STAR	POINT REYES	1, 2		KSJC	SAN JOSE	CA (US)

**REQUIRED CHARTING:** STAR, IAP, EN ROUTE LOW, CONTROLLER LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 10

**DATE OF REVISION:** 01/27/2022

**REASON FOR REVISION:**

1. ADDED PATTERN 2 AND ASSOCIATED DATA.
2. ADDED FIX USE: IAP RNAV (GPS) RWY 6 KAPC.
3. ADDED FIX USE: IAP VOR RWY 6 KAPC.
4. ADDED PROCEDURES REQUIRING CLIMB-IN-HOLD: VOR RWY 6
5. ADDED PROCEDURES REQUIRING CLIMB-IN-HOLD: RNAV (GPS) RWY 6
6. REMOVED AIRSPACE DOCKET 19-AWP-98
7. ADDED PATTERN 3 AND ASSOCIATED DATA.
8. ADDED HOLDING RESTRICTIONS: PAT 3 CHART 230K ICON.

**INITIATED BY:****DATE:****ORGANIZATION:****NAME:****OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A423

**NAME:** ZACHARY KRUEGER**APPROVED BY:****DATE:** 01/27/2022**OFFICE:** AJV-A420**NAME:** MARLON ROBINSON**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** SAUSALITO VOR/DME      **STATE:** CA      **COUNTRY:** US      **ICAO REGION CODE:** K2

**LATITUDE/LONGITUDE:** 375119.20N/1223121.91W      **TYPE:**

**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	SAUSALITO	SAU	VOR/DME	L						17500

**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 ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	NE	SAU	VORTAC	035.21	215.21		1-1 1/2	4000 17500	4 16
2	NE		WP	037.21	217.21	R	4	4000 17500	5 17

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	375545.00N/1223436.00W	2760	4E
1	310	AAO	375545.00N/1223436.00W	2760	4E
2	200	AAO	375545.00N/1223445.00W	2760	4E
2	310	AAO	375530.60N/1223602.10W	2800	6C

**PRECIPITOUS TERRAIN ADDITIONS:**

PAT	SPEED	ADDITION
2	200	90
2	310	90

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

**PROCEDURES REQUIRING CLIMB-IN-HOLD:**

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS RWY 30 (SA CAT I)	KOAK	OAKLAND	CA (US)
1	ILS OR LOC RWY 30	KOAK	OAKLAND	CA (US)
1	ILS RWY 30 (CAT II/III)	KOAK	OAKLAND	CA (US)
1	ILS OR LOC/DME RWY 28R (ALT MISS)	KOAK	OAKLAND	CA (US)
2	RNAV (GPS) Y RWY 30	KOAK	OAKLAND	CA (US)
2	RNAV (GPS) Y RWY 28L	KOAK	OAKLAND	CA (US)

**REMARKS:**

PAT 1 200K CONTROLLING OBSTACLE LOCATED 1,250 INTO SECONDARY AREA (2211 PRI EQ).  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 ASSIGNED FACILITY MAG VAR: E17/1965.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BUCHANAN			KCCR	CONCORD	CA (US)
DP	LIZRD			KAPC	NAPA	CA (US)
DP	MERLOT			KAPC	NAPA	CA (US)
DP	NIMITZ		1	KOAK	OAKLAND	CA (US)
DP	NUEVO			KOAK	OAKLAND	CA (US)
DP	SILENT			KOAK	OAKLAND	CA (US)
DP	GAP			KSFO	SAN FRANCISCO	CA (US)
DP	MOLEN			KSFO	SAN FRANCISCO	CA (US)
DP	SAN FRANCISCO			KSFO	SAN FRANCISCO	CA (US)
EN ROUTE	V150					(US)
IAP	ILS OR LOC RWY 1L			KAPC	NAPA	CA (US)
IAP	RNAV (GPS) RWY 6			KAPC	NAPA	CA (US)
IAP	RNAV (GPS) Y RWY 1L			KAPC	NAPA	CA (US)
IAP	RNAV (GPS) Z RWY 1L			KAPC	NAPA	CA (US)
IAP	VOR RWY 6			KAPC	NAPA	CA (US)
IAP	ILS OR LOC RWY 30		1	KOAK	OAKLAND	CA (US)
IAP	ILS OR LOC/DME RWY 28R (ALT MISS)		1	KOAK	OAKLAND	CA (US)
IAP	ILS RWY 30 (CAT II/III)		1	KOAK	OAKLAND	CA (US)
IAP	ILS RWY 30 (SA CAT I)		1	KOAK	OAKLAND	CA (US)
IAP	RNAV (GPS) Y RWY 28L		2	KOAK	OAKLAND	CA (US)
IAP	RNAV (GPS) Y RWY 30		2	KOAK	OAKLAND	CA (US)
IAP	RNAV (RNP) Z RWY 30		2	KOAK	OAKLAND	CA (US)
IAP	ILS OR LOC RWY 19L			KSFO	SAN FRANCISCO	CA (US)
IAP	ILS OR LOC RWY 28L			KSFO	SAN FRANCISCO	CA (US)
IAP	ILS OR LOC RWY 28R (ALT MISS)		1	KSFO	SAN FRANCISCO	CA (US)
IAP	ILS PRM RWY 28L			KSFO	SAN FRANCISCO	CA (US)
IAP	ILS RWY 28L (SA CAT II)			KSFO	SAN FRANCISCO	CA (US)
IAP	ILS RWY 28R (CAT II/III) (ALT MISS)		1	KSFO	SAN FRANCISCO	CA (US)
IAP	ILS RWY 28R (SA CAT I) (ALT MISS)		1	KSFO	SAN FRANCISCO	CA (US)
IAP	LDA PRM RWY 28R			KSFO	SAN FRANCISCO	CA (US)

IAP	LDA/DME RWY 28R	KSFO	SAN FRANCISCO	CA (US)
IAP	ILS OR LOC RWY 32	KSTS	SANTA ROSA	CA (US)
IAP	RNAV (GPS) RWY 32	KSTS	SANTA ROSA	CA (US)
STAR	POINT REYES	KNUQ	MOUNTAIN VIEW	CA (US)
STAR	POINT REYES	KPAO	PALO ALTO	CA (US)
STAR	POINT REYES	KSQL	SAN CARLOS	CA (US)
STAR	POINT REYES	KSFO	SAN FRANCISCO	CA (US)
STAR	STINS	KSFO	SAN FRANCISCO	CA (US)
STAR	POINT REYES	KRHV	SAN JOSE	CA (US)
STAR	BRINY	KSJC	SAN JOSE	CA (US)
STAR	POINT REYES	KSJC	SAN JOSE	CA (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 20

**DATE OF REVISION:** 08/12/2021

**REASON FOR REVISION:**

1. REMOVED KCCR DP KANAN FROM FIX USE.
2. REMOVED KSFO STAR HADLY FROM FIX USE.
3. REMOVED KOAK IAP VOR/DME RWY 28L(ALT MISS) FROM FIX USE.
4. CHANGED USE TITLE FROM "ILS OR LOC/DME RWY 32" TO "ILS OR LOC RWY 32" FOR KSTS IN FIX USE.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

**NAME:** SILVIA YOUNG

**APPROVED BY:**

**DATE:** 08/12/2021

**OFFICE:** AJV-A430

**NAME:** LONNIE EVERHART

**SIGNATURE:**