

# RADIO FIX AND HOLDING DATA RECORD

NAME: BURDE STATE: CA COUNTRY: US ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 380619.44N/1223535.03W TYPE: 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	SANTA ROSA	I-STS	LOC		141.19	157.19		26.98	3000	10000
2	SCAGGS ISLAND	SGD	VORTAC	L	230.00	247.00	11.31	11.31	3000	17500
3	SAUSALITO	SAU	VOR/DME	L	330.47	347.47	15.35	15.35	3000	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-STS	LOC	R-141	27	3000	10000

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	HOLDING ALTITUDES MIN DME	MAX	TEMPLATES MIN	MAX
1	SE	SAU	VOR/DME	330.47	330.47	R	1	5000	14000	6	11
2	NE	SGD	VORTAC	230.00	230.00	R	1	3200	14000	5	11

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	375545.00N/1223436.00W	2760	4E
2	200	AAO	380336.00N/1223621.00W	2087	4E
2	310	AAO	381824.00N/1223345.00W	2155	4E

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	VOR RWY 6	KAPC	NAPA	CA (US)
2	ILS OR LOC RWY 1L	KAPC	NAPA	CA (US)

## REMARKS:

SANTA ROSA (FAC 1) AND SCAGGS ISLAND (FAC 2) USED TO ESTABLISH FIX COORDINATES  
HOLDING PATTERNS PER ATC REQUEST.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 1L	2, 3	2	KAPC	NAPA	CA (US)
IAP	VOR RWY 6	2, 3	2	KAPC	NAPA	CA (US)
IAP	ILS OR LOC RWY 32	1, 2, 3		KSTS	SANTA ROSA	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14 DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

1. CHANGED ILS OR LOC/DME RWY 32 AT KSTS TO ILS OR LOC RWY 32.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 NAME: THOR CORNELL

APPROVED BY: DATE: OFFICE: AJV-A430 NAME: JON DENTON

SIGNATURE: Digitally signed by

JON DENTON

DISTRIBUTION: NFDC  
FPO: WST  
ARTCC: ZOA  
ATC FACILITY: NORCAL APP CON, APC ATCT, STS ATCT  
OTHER:

Apr 19, 2021

QUALITY  
16  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: CABEX

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 384804.30N/1230354.68W

TYPE: WP, 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	MENDOCINO	ENI	VORTAC	H	130.98	146.98	18.00	18.00		6000	17500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SE	ENI	VORTAC	130.98	310.98	L	1		6000	10000	8	10
2	SE		WP	131.00	311.00	L		6	6000	10000	8	10

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	384236.00N/1230845.00W	2899	2C
1	310	AAO	384551.00N/1225045.00W	3659	4E
2	230	AAO	384236.00N/1230845.00W	2874	4E
2	310	AAO	384551.00N/1225045.00W	3659	4E

## PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	240
1	310	270
2	230	240
2	310	270

## REASON FOR NONSTANDARD HOLDING:

PAT 2 TERRAIN  
PAT 1 TERRAIN

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 32	KSTS	SANTA ROSA	CA (US)
2	RNAV (GPS) RWY 32	KSTS	SANTA ROSA	CA (US)
2	RNAV (GPS) RWY 2	KSTS	SANTA ROSA	CA (US)

## REMARKS:

MENDOCINO (FAC 1) USED TO ESTABLISH FIX COORDINATES  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V27	1				(US)
EN ROUTE	V494	1				(US)
IAP	ILS OR LOC RWY 32	1	1	KSTS	SANTA ROSA	CA (US)
IAP	RNAV (GPS) RWY 14			KSTS	SANTA ROSA	CA (US)
IAP	RNAV (GPS) RWY 2		2	KSTS	SANTA ROSA	CA (US)
IAP	RNAV (GPS) RWY 32		2	KSTS	SANTA ROSA	CA (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

1. DELETED FAC 2 (STS VOR/DME) FROM FIX MAKE-UP FACILITIES.
2. DELETED HOLDING PAT 3.
3. CHANGED ILS OR LOC/DME RWY 32 AT KSTS TO ILS OR LOC RWY 32.
3. CHANGED ILS OR LOC RWY 32 AT KSTS FAC FROM 2 TO 1 AND PAT FROM 3 TO 1 IN FIX USE.
4. DELETED ILS OR LOC RWY 32 ALTERNATE MISSED AT KSTS FROM FIX USE.
5. ADDED CONTROLLER LOW TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

QUALITY  
16  
CHECKED

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: THOR CORNELL

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE: *Digitally signed by***JON DENTON**

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZOA

ATC FACILITY: STS ATCT

OTHER:

Apr 19, 2021

QUALITY  
16  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: DACER

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 381807.80N/1223943.26W

TYPE: 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 NM	FAC FEET	MRA	MAA
1	SCAGGS ISLAND	SGD	VORTAC	L	281.42	298.42	15.51	15.51		3900	17500
2	POINT REYES	PYE	VOR/DME	H	019.08	036.08		16.51		3900	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

SCAGGS ISLAND (FAC 1) AND POINT REYES (FAC 2) USED TO ESTABLISH FIX COORDINATES

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 32	1, 2		KSTS	SANTA ROSA	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

1. CHANGED ILS OR LOC/DME RWY 32 AT KSTS TO ILS OR LOC RWY 32 IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: THOR CORNELL

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

*Digitally signed by*

**JON DENTON**

Apr 19, 2021

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZOA

ATC FACILITY: STS ATCT

OTHER:

QUALITY  
16  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: EDOVE

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 382128.81N/1224340.92W

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	SANTA ROSA	I-STS	LOC		141.19	157.19		10.55		2700	4500
2	POINT REYES	PYE	VOR/DME	H	004.58	021.58		17.94		2700	4500
3	SANTA ROSA	STS	DME	L			9.81	9.81		2700	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

SANTA ROSA (FAC 1) AND POINT REYES (FAC 2) USED TO ESTABLISH FIX COORDINATES

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 32	1, 2, 3		KSTS	SANTA ROSA	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

1. CHANGED NAVAID SANTA ROSA VOR/DME TO STS DME.
2. UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: THOR CORNELL

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

*Digitally signed by*

**JON DENTON**

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZOA

ATC FACILITY: STS ATCT

OTHER:

Apr 19, 2021

QUALITY  
16  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: LUSEE STATE: CA COUNTRY: US ICAO REGION CODE: K2  
 LATITUDE/LONGITUDE: 381918.79N/1224231.20W 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	MRA	MAA
1	SANTA ROSA	I-STS	LOC		141.19	157.19		12.90	3000	10000
2	POINT REYES	PYE	VOR/DME	H	010.37	027.37		16.35	3000	10000
3	SANTA ROSA	STS	DME	L			12.16	12.16	3000	10000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-STS	LOC	R-141	13	4500	10000

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	140.96	320.96	L	4	3000 10000	5 10

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	381945.00N/1223515.00W	2599	2C

## PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	200	110

## REASON FOR NONSTANDARD HOLDING:

PAT 1 PAT 2 ATC

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

SANTA ROSA (FAC 1) AND POINT REYES (FAC 2) USED TO ESTABLISH FIX COORDINATES  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 PAT 1 CONTROLLING OBSTACLE LOCATED 9904' INTO SECONDARY PRIME EQUIVALENT 1490.  
 CHANGED FAC 3 FROM STS VOR/DME TO STS DME.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 32	1, 2		KSTS	SANTA ROSA	CA (US)
IAP	RNAV (GPS) RWY 32		1	KSTS	SANTA ROSA	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

1. DELETED FAC 2 (STS VOR/DME FROM) FROM FIX MAKE-UP FACILITIES.
2. DELETED PAT 1 FROM HOLDING.
3. UPDATED FIX USE.
4. ADDED FAC 3 (STS DME) TO FIX MAKE-UP FACILITIES

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A432	NAME: THOR CORNELL
APPROVED BY:	DATE:	OFFICE: AJV-A430	NAME: LONNIE EVERHART
SIGNATURE:		Digitally signed by JON DENTON	
DISTRIBUTION:	NFDC FPO: WST ARTCC: ZOA ATC FACILITY: STS ATCT OTHER:	Apr 19, 2021	



# RADIO FIX AND HOLDING DATA RECORD

NAME: PIGPN

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 382450.77N/1224530.71W

TYPE: WP, 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	SANTA ROSA	I-STS	LOC/DME	L	141.19	157.19		6.89	41863	2000	4500
2	SANTA ROSA	STS	DME	L			6.15	6.15		2000	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

SANTA ROSA (FAC 1) AND SANTA ROSA (FAC 2) USED TO ESTABLISH FIX COORDINATES

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 32	1		KSTS	SANTA ROSA	CA (US)
IAP	RNAV (GPS) RWY 32			KSTS	SANTA ROSA	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

1. CHANGED FAC 2 FROM STS VOR/DME TO STS DME.
2. CHANGED ILS OR LOC/DME RWY 32 AT KSTS TO ILS OR LOC RWY 32.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: THOR CORNELL

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE: *Digitally signed by*

**DAVID TEFFETELLER**

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZOA

ATC FACILITY: STS ATCT

OTHER:

Jun 23, 2021

QUALITY  
16  
CHECKED

# 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	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	VOR/DME	324.98	144.98	R	1-1 1/2	4000 45000	4 29
2	S	PYE	VOR/DME	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 PATTERNS.

## 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			KO69	PETALUMA	CA (US)
IAP	ILS OR LOC RWY 32		2	KSTS	SANTA ROSA	CA (US)
	ALTERNATE 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:****OFFICE:** AJV-A430**NAME:** LONNIE EVERHART**SIGNATURE:***Digitally signed by***JON DENTON**

Apr 19, 2021

**DISTRIBUTION:****NFDC****FPO:** WST**ARTCC:** ZOA, ZLA**ATC FACILITY:** NORCAL APP CON**OTHER:** AMGR

QUALITY  
16  
CHECKED