

# 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	MRA FEET	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	VOR/DME	035.21	215.21	R	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 PATTERNS.

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

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 30	KOAK	OAKLAND	CA (US)
1	ILS OR LOC/DME RWY 28R (ALT MISS)	KOAK	OAKLAND	CA (US)
1	ILS RWY 30 (CAT II/III)	KOAK	OAKLAND	CA (US)
1	ILS RWY 30 (SA CAT I)	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:** 06/17/2021

**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:**                      **OFFICE:** AJV-A430                      **NAME:** LONNIE EVERHART

**SIGNATURE:**

**DISTRIBUTION:**      **NFDC**  
**FPO:** WST  
**ARTCC:** ZOA  
**ATC FACILITY:** NORCAL/SFO  
**OTHER:**



# RADIO FIX AND HOLDING DATA RECORD

NAME: SCAGGS ISLAND VORTAC

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 381045.70N/1222223.35W

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	SCAGGS ISLAND	SGD	VORTAC	L							17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

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	N	SGD	VORTAC	347.00	167.00	L	1		4000	10000	4	9
2	E	SGD	VORTAC	095.93	275.93	L	1		3000	10000	4	9
3	N		WP	360.00	180.00	R		4	3000	10000	5	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	381930.00N/1222321.00W	1500	4E
2	200	AAO	380903.00N/1221127.00W	1313	4E
3	310	AAO	381957.00N/1222445.00W	1861	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
3	RNAV (GPS) RWY 13	KDVO	NOVATO	CA (US)

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	LIZRD			KAPC	NAPA	CA (US)
DP	MERLOT		1	KAPC	NAPA	CA (US)
DP	NAPAA			KAPC	NAPA	CA (US)
DP	TAKEOFF MINIMUMS			KDVO	NOVATO	CA (US)
DP	NIMITZ			KOAK	OAKLAND	CA (US)
DP	OAKLAND			KOAK	OAKLAND	CA (US)
DP	SALAD			KOAK	OAKLAND	CA (US)
DP	SILENT			KOAK	OAKLAND	CA (US)
DP	TAKEOFF MINIMUMS			KO69	PETALUMA	CA (US)
DP	GAP			KSFO	SAN FRANCISCO	CA (US)
DP	CHARLIE			KSTS	SANTA ROSA	CA (US)
EN ROUTE	T263					(US)
EN ROUTE	V108					(US)
EN ROUTE	V87					CA (US)
IAP	LDA RWY 19R			KCCR	CONCORD	CA (US)
IAP	VOR RWY 19R			KCCR	CONCORD	CA (US)
IAP	ILS OR LOC RWY 21L			KSUU	FAIRFIELD	CA (US)
IAP	ILS OR LOC RWY 3L			KSUU	FAIRFIELD	CA (US)
IAP	ILS OR LOC RWY 1L			KAPC	NAPA	CA (US)
IAP	VOR RWY 06			KAPC	NAPA	CA (US)
IAP	RNAV (GPS) RWY 13		3	KDVO	NOVATO	CA (US)
IAP	ILS OR LOC/DME RWY 28R			KOAK	OAKLAND	CA (US)
IAP	VOR RWY 29		2	KO69	PETALUMA	CA (US)
IAP	ILS OR LOC RWY 19L			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/DME RWY 32			KSTS	SANTA ROSA	CA (US)
IAP	RNAV (GPS) RWY 32			KSTS	SANTA ROSA	CA (US)
STAR	SEATO			KSUU	FAIRFIELD	CA (US)
STAR	SQUAW VALLEY			KSUU	FAIRFIELD	CA (US)
STAR	POINT REYES			KNUQ	MOUNTAIN VIEW	CA (US)
STAR	POINT REYES			KPAO	PALO ALTO	CA (US)
STAR	POINT REYES			KSQI	SAN CARLOS	CA (US)
STAR	MODESTO			KSFO	SAN FRANCISCO	CA (US)
STAR	POINT REYES			KSFO	SAN FRANCISCO	CA (US)
STAR	POINT REYES			KRHV	SAN JOSE	CA (US)
STAR	POINT REYES			KSJC	SAN JOSE	CA (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 34

**DATE OF REVISION:** 06/17/2021

**REASON FOR REVISION:**

1. REMOVED FREES AND SANTA ROSA DPS FROM KSTS.
2. UPDATED FIX USE: CHANGED KDVO IAP FROM GPS RWY 13 TO RNAV (GPS) RWY 13.
3. CHANGED PAT THREE FROM 200 KT TO 310 KT PATTERN.
4. CHANGED KDVO RNAV (GPS) RWY 13 HOLDING FROM LEVEL TO CLIMB IN HOLD.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

**NAME:** JANTZEN TAYLOR

**APPROVED BY:**

**DATE:**

**OFFICE:** AFFSA-XAP

**NAME:** LONNIE EVERHART

**SIGNATURE:**

**DISTRIBUTION:**

**NFDC**

**FPO:** WST

**ARTCC:** ZOA

**ATC FACILITY:** NORCAL APP CON, KAPC ATCT

**OTHER:** AMGR