

# RADIO FIX AND HOLDING DATA RECORD

NAME: ARPAW

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 392244.93N/1195239.25W

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 NM	FAC FEET	MRA	MAA
1	SQUAW VALLEY	SWR	VOR/DME	L	040.75	056.75	21.81	21.81		13000	17500

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 32	1		KRTS	RENO	NV (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/01/2018

## REASON FOR REVISION:

1. ADDED 21.81 TO DIST FROM FAC IN NM.
2. UPDATED FIX USE. CHANGED "ILS OR LOC/DME RWY 32" TO "ILS OR LOC RWY 32" AND AIRPORT IDENT FROM "K4SD" TO "KRTS". ADDED FAC 1 (SWR).

DEVELOPED BY: DATE: 09/15/2017

OFFICE: AJV-5423

NAME: JASON KRETSCHMER

APPROVED BY: DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

*Digitally signed by*

SIGNATURE:

**DION E LANCIA**

Dec 15, 2017

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZOA  
ATC FACILITY: RNO APP CON  
OTHER:



# RADIO FIX AND HOLDING DATA RECORD

NAME: AYALU

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 393044.36N/1194618.88W

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 NM	FAC FEET	MRA	MAA
1	RENO	I-RTS	LOC/DME		137.59	153.59	11.62	11.62		8200	9500
2	MUSTANG	FMG	VORTAC	H	242.11	258.11		5.50		8200	9500

## REMARKS:

RENO (FAC 1) AND MUSTANG (FAC 2) USED TO ESTABLISH FIX COORDINATES  
I-RTS DME LAT/LONG: 394110.43N/1195256.39W.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 32	1, 2		KRTS	RENO	NV (US)
IAP	RNAV (GPS) RWY 32			KRTS	RENO	NV (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 02/01/2018

## REASON FOR REVISION:

1. UPDATED FIX USE. CHANGED "ILS OR LOC/DME RWY 32" TO "ILS OR LOC RWY 32".

DEVELOPED BY: DATE: 09/15/2017

OFFICE: AJV-5423

NAME: JASON KRETSCHMER

APPROVED BY: DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

Digitally signed by

SIGNATURE:

**DION E LANCIA**

Dec 15, 2017

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



# RADIO FIX AND HOLDING DATA RECORD

NAME: CEVAP STATE: NV COUNTRY: US ICAO REGION CODE: K2  
 LATITUDE/LONGITUDE: 392706.39N/1194359.65W 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	RENO	I-RTS	LOC/DME		137.59	153.59	15.67	15.67	9400	9500
2	MUSTANG	FMG	VORTAC	H	200.97	216.97		5.96	9400	9500
3	HAZEN	HZN	VORTAC	L	246.76	263.76	34.39	34.39	9500	17500
4	SQUAW VALLEY	SWR	VOR/DME	L	040.75	056.75	29.81	29.81	11700	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	137.68	317.68			7	9400	14000	10	11
2	SE	I-RTS	LOC/DME	137.59	317.59	R	1		9400	11700	10	10

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	391902.60N/1194012.70W	8064	6A
2	230	AAO	391902.60N/1194012.70W	8064	6A

## PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	280
2	230	280

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 I-RTS DME LAT/LONG: 394110.43N/1195256.39W.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 32	1, 2, 3, 4	2	KRTS	RENO	NV (US)
IAP	RNAV (GPS) RWY 32		1	KRTS	RENO	NV (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 DATE OF REVISION: 02/01/2018

## REASON FOR REVISION:

1. DELETED ESV FOR I-RTS LOC/DME.
2. CHANGED PAT 2 FAC FROM SWR VOR/DME TO I-RTS LOC/DME.
3. UPDATED FIX USE. CHANGED "ILS OR LOC/DME RWY 32" TO "ILS OR LOC RWY 32".

DEVELOPED BY: DATE: 09/15/2017 OFFICE: AJV-5423 NAME: JASON KRETSCHMER  
 APPROVED BY: DATE: OFFICE: AJV-5420 NAME: JULIE MORGAN Digitally signed by  
 SIGNATURE: DION E LANCIA  
 Dec 15, 2017

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



# RADIO FIX AND HOLDING DATA RECORD

NAME: HALLE STATE: NV COUNTRY: US ICAO REGION CODE: K2  
 LATITUDE/LONGITUDE: 395511.21N/1195703.90W 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 FEET	MAA
1	MUSTANG	FMG	VORTAC	H	313.71	329.71	27.00	27.00	10000	17500
2	SQUAW VALLEY	SWR	VOR/DME	L	002.34	018.34		46.73	10000	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SWR	VOR/DME	R-002	47	10000	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	SE		WP	135.71	315.71	R		7	10000	14000	10	11
2	SE	FMG	VORTAC	133.71	313.71	R	1		14000	14000	11	11
3	SE		WP	133.71	313.71	R		8	14000	14000	11	11

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	400137.80N/1195830.20W	8190	6A
2	230	AAO	400137.80N/1195830.20W	8190	6A
2	310	AAO	395836.20N/1194429.80W	8924	6A
3	230	AAO	400137.80N/1195830.20W	8190	6A
3	310	AAO	395836.20N/1194429.80W	8924	6A

## PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	310
2	230	312
2	310	312
3	230	312
3	310	312

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	ILS OR LOC RWY 32	KRTS	RENO	NV (US)
3	RNAV (GPS) RWY 32	KRTS	RENO	NV (US)

## REMARKS:

MUSTANG (FAC 1) AND SQUAW VALLEY (FAC 2) USED TO ESTABLISH FIX COORDINATES  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PVINE (RNAV)			KRNO	RENO	NV (US)
EN ROUTE	V-452	1, 2				(US)
IAP	RNAV (GPS) Z RWY 26		1	KO02	BECKWOURTH	CA (US)
IAP	RNAV (GPS) RWY 29			KSVE	SUSANVILLE	CA (US)
IAP	ILS OR LOC RWY 32	1, 2	2	KRTS	RENO	NV (US)
IAP	RNAV (GPS) RWY 32		3	KRTS	RENO	NV (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 DATE OF REVISION: 02/01/2018

## REASON FOR REVISION:

1. UPDATED FIX USE. CHANGED KRTS "ILS OR LOC/DME RWY 32" TO "ILS OR LOC RWY 32".

DEVELOPED BY: DATE: 09/15/2017 OFFICE: AJV-5423 NAME: JASON KRETSCHMER

APPROVED BY: DATE: OFFICE: AJV-5420 NAME: JULIE MORGAN

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**DION E LANCIA**

Dec 15, 2017



**SIGNATURE:****DISTRIBUTION:****NFDC****FPO:** WST**ARTCC:** ZOA**ATC FACILITY:** RNO ATCT, NORCAL TRACON**OTHER:**

QUALITY  
16  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: JEBMI

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 393432.94N/1194845.19W

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 NM	FAC FEET	MRA	MAA
1	RENO	I-RTS	LOC/DME		137.59	153.59	7.37	7.37	44794	7000	9500
2	MUSTANG	FMG	VORTAC	H	274.24	290.24		7.74		7000	9500

## REMARKS:

RENO (FAC 1) AND MUSTANG (FAC 2) USED TO ESTABLISH FIX COORDINATES  
USED RNP PFAF FORMULA TO CALCULATE FIX COORDINATES.  
I-RTS DME LAT/LONG: 394110.43N/1195256.39W.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 32	1, 2		KRTS	RENO	NV (US)
IAP	RNAV (GPS) RWY 32			KRTS	RENO	NV (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 02/01/2018

## REASON FOR REVISION:

1. UPDATED FIX USE. CHANGED "ILS OR LOC/DME RWY 32" TO "ILS OR LOC RWY 32".

DEVELOPED BY: DATE: 09/15/2017

OFFICE: AJV-5423

NAME: JASON KRETSCHMER

APPROVED BY: DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

*Digitally signed by*

SIGNATURE:

**DION E LANCIA**

Dec 15, 2017

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZOA  
ATC FACILITY: RNO AAP CON  
OTHER:



# RADIO FIX AND HOLDING DATA RECORD

NAME: MUSTANG VORTAC

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 393152.60N/1193921.87W

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	MUSTANG	FMG	VORTAC	H						45000

**FIX RESTRICTIONS:**

MCA V6 12000 SOUTHWEST BOUND  
MCA V165 10000 SOUTHBOUND  
MCA V28-113 10500 SOUTHBOUND

**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	FMG	VORTAC	041.13	221.13	L	1-1 1/2		10000	17500	9	16
2	NE	FMG	VORTAC	041.13	221.13	R	1-1 1/2		10000	17500	9	16
3	NE	WP		041.13	221.13	L		7	12000	17500	10	17

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	393858.20N/1192743.60W	8235	6A
1	310	AAO	394512.90N/1192745.20W	8566	6A
2	230	AAO	393858.20N/1192743.60W	8235	6A
2	310	AAO	394512.90N/1192745.20W	8566	6A
3	230	AAO	393858.20N/1192743.60W	8235	6A
3	310	AAO	394512.90N/1192745.20W	8566	6A

**PRECIPITOUS TERRAIN ADDITIONS:**

PAT	SPEED	ADDITION
1	230	288
1	310	297
2	230	294
3	230	293

**REASON FOR NONSTANDARD HOLDING:**

PAT 1 ATC REQUEST  
PAT 3 ATC REQUEST

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

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

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	HUNGRY	KRNO	RENO	NV (US)
1	MUSTANG	KRNO	RENO	NV (US)
1	TAKEOFF MINIMUMS	KRNO	RENO	NV (US)
1	VISTA	KRNO	RENO	NV (US)
1	VOR-D	KRNO	RENO	NV (US)
1	MYBAD (RNAV)	KRNO	RENO	NV (US)
2	TAKEOFF MINIMUMS	KRTS	RENO	NV (US)
3	KENNO (RNAV)	KRNO	RENO	NV (US)

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAG VAR: 16E 1985.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CHICO			KCIC	CHICO	CA (US)
DP	YOSEMITE			KFAT	FRESNO	CA (US)
DP	OZIEE (RNAV)			KAPC	NAPA	CA (US)
DP	SHASTA			KRDD	REDDING	CA (US)
DP	DUDES			KSMF	SACRAMENTO	CA (US)
DP	RICHY			KTVL	SOUTH LAKE TAHOE	CA (US)
DP	SHOLE			KTVL	SOUTH LAKE TAHOE	CA (US)
DP	TAHOE (RNAV)			KTRK	TRUCKEE	CA (US)
DP	TRUCK			KTRK	TRUCKEE	CA (US)
DP	HUNGRY		1	KRNO	RENO	NV (US)
DP	MUSTANG		1	KRNO	RENO	NV (US)
DP	PVINE (RNAV)			KRNO	RENO	NV (US)
DP	RENO			KRNO	RENO	NV (US)
DP	SPLTM (RNAV)			KRNO	RENO	NV (US)
DP	TAKEOFF MINIMUMS		1	KRNO	RENO	NV (US)

QUALITY  
16  
CHECKED

DP	VISTA	1	KRNO	RENO	NV (US)
DP	WAGGE		KRNO	RENO	NV (US)
DP	TAKEOFF MINIMUMS	2	KRTS	RENO	NV (US)
DP	KINGSLEY		KLMT	KLAMATH FALLS	OR (US)
EN ROUTE	J32				(US)
EN ROUTE	J5				(US)
EN ROUTE	J7				(US)
EN ROUTE	J92				(US)
EN ROUTE	J94				(US)
EN ROUTE	T331				(US)
EN ROUTE	V105				(US)
EN ROUTE	V113				(US)
EN ROUTE	V165				(US)
EN ROUTE	V200				(US)
EN ROUTE	V28				(US)
EN ROUTE	V32				(US)
EN ROUTE	V392				(US)
EN ROUTE	V452				(US)
EN ROUTE	V564				(US)
EN ROUTE	V6				(US)
IAP	LDA/DME-1 RWY 18		KTVL	SOUTH LAKE TAHOE	CA (US)
IAP	RNAV (GPS) Y RWY 20		KTRK	TRUCKEE	CA (US)
IAP	RNAV (GPS) Z RWY 20		KTRK	TRUCKEE	CA (US)
IAP	ILS OR LOC/DME RWY 34L		KRNO	RENO	NV (US)
IAP	ILS Y RWY 16R		KRNO	RENO	NV (US)
IAP	LOC Y RWY 16R		KRNO	RENO	NV (US)
IAP	RNAV (GPS) X RWY 16L		KRNO	RENO	NV (US)
IAP	RNAV (GPS) X RWY 16R		KRNO	RENO	NV (US)
IAP	RNAV (RNP) Z RWY 34L		KRNO	RENO	NV (US)
IAP	RNAV (RNP) Z RWY 34R		KRNO	RENO	NV (US)
IAP	VOR-D	1	KRNO	RENO	NV (US)
IAP	ILS OR LOC RWY 32		KRTS	RENO	NV (US)
STAR	OAKEY		KSUU	FAIRFIELD	CA (US)
STAR	SQUAW VALLEY		KSUU	FAIRFIELD	CA (US)
STAR	GOLDEN GATE		KSFO	SAN FRANCISCO	CA (US)
STAR	MODESTO		KSFO	SAN FRANCISCO	CA (US)
STAR	STINS		KSFO	SAN FRANCISCO	CA (US)
STAR	BRINY		KSJC	SAN JOSE	CA (US)
STAR	EL NIDO		KSJC	SAN JOSE	CA (US)
STAR	ANAHO		KRNO	RENO	NV (US)
STAR	CANNON		KRNO	RENO	NV (US)
STAR	EELZA (RNAV)		KRNO	RENO	NV (US)
STAR	HARTT (RNAV)	3	KRNO	RENO	NV (US)
STAR	KENNO (RNAV)	3	KRNO	RENO	NV (US)
STAR	MYBAD (RNAV)	1	KRNO	RENO	NV (US)
STAR	RUSME (RNAV)	3	KRNO	RENO	NV (US)
STAR	RYANN		KRNO	RENO	NV (US)
STAR	TARVR		KRNO	RENO	NV (US)
STAR	WADOL (RNAV)		KRNO	RENO	NV (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 32

**DATE OF REVISION:** 02/01/2018

**REASON FOR REVISION:**

1. UPDATED FIX USE. CHANGED KRTS "ILS OR LOC/DME RWY 32" TO "ILS OR LOC RWY 32".

**DEVELOPED BY:**      **DATE:** 09/15/2017      **OFFICE:** AJV-5423      **NAME:** JASON KRETSCHMER

**APPROVED BY:**      **DATE:**      **OFFICE:** AJV-5420      **NAME:** JULIE MORGAN      *Digitally signed by*

**SIGNATURE:**      **DION E LANCIA**

Dec 15, 2017

**DISTRIBUTION:**      **NFDC**  
**FPO:** WST  
**ARTCC:** ZOA  
**ATC FACILITY:** RNO APP CON, RNO ATCT  
**OTHER:**





# RADIO FIX AND HOLDING DATA RECORD

NAME: HAZEN VORTAC

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 393059.05N/1185951.68W

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	HAZEN	HZN	VORTAC	L						17500

## FIX RESTRICTIONS:

MCA V494 9000 SOUTHWEST BOUND

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	W	HZN	VORTAC	258.03	078.03	L	1		8000	14000	8	10
2	W	WP	WP	262.00	082.00	L		7	8000	14000	9	11
3	W	HZN	VORTAC	254.88	074.88	L	1		9300	14000	9	10
4	NE	WP	WP	035.47	215.47	R		7	8000	17500	9	17
5	NE	HZN	VORTAC	031.47	211.47	R	1		8000	17500	14	20

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	393006.00N/1192033.00W	7474	4E
2	230	AAO	392924.00N/1191727.00W	6729	4E
3	230	AAO	393006.00N/1192024.00W	7326	4E
3	310	AAO	393909.00N/1192721.00W	7940	4E
4	230	AAO	394157.00N/1185924.00W	5679	2E
4	310	AAO	394242.00N/1191006.00W	7202	2E
5	310	AAO	393136.00N/1191051.00W	5712	4E

## PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	107
2	230	120
3	310	202
3	230	135
4	310	110

## REASON FOR NONSTANDARD HOLDING:

PAT 1 AVOID HIGH TERRAIN AND R-4803.  
PAT 2 AVOID HIGH TERRAIN AND R-4803.  
PAT 3 AVOID R-4803.

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
3	TEXTUAL DEPARTURE	KFLX	FALLON	NV (US)
4	RNAV (GPS) RWY 24	KSPZ	SILVER SPRINGS	NV (US)
5	TEXTUAL DEPARTURE	KSPZ	SILVER SPRINGS	NV (US)

## REMARKS:

PAT 1 CONTROLLING OBSTACLE LOCATED 1.80 NM INTO SECONDARY AREA.  
PAT 4 310K CONTROLLING OBSTACLE PRIMARY EQUIVALENT HEIGHT 6206.91'.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
HOLDING PAT 4 CLIMB IN HOLD EVALUATED PAT 16.  
ASSIGNED FACILITY MAG VAR: 17E 1980.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TEXTUAL DEPARTURE		3	KFLX	FALLON	NV (US)
DP	WATER			KNFL	FALLON	NV (US)
DP	WAGGE			KRNO	RENO	NV (US)
DP	TEXTUAL DEPARTURE		5	KSPZ	SILVER SPRINGS	NV (US)
EN ROUTE	V32					(US)
EN ROUTE	V494					(US)
IAP	RNAV (GPS)-C		2	KFLX	FALLON	NV (US)
IAP	VOR/DME-B		1	KFLX	FALLON	NV (US)
IAP	TACAN RWY 13R			KNFL	FALLON	NV (US)
IAP	TACAN Y RWY 31L/R			KNFL	FALLON	NV (US)
IAP	TACAN Z RWY 31L/R			KNFL	FALLON	NV (US)
IAP	ILS OR LOC/DME RWY 34L			KRNO	RENO	NV (US)
IAP	ILS Y RWY 16R	1		KRNO	RENO	NV (US)
IAP	LOC Y RWY 16R	1		KRNO	RENO	NV (US)

QUALITY  
16  
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OTHER:

QUALITY  
16  
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# RADIO FIX AND HOLDING DATA RECORD

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

**LATITUDE/LONGITUDE:** 391049.16N/1201610.60W **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 NM	FAC FEET	MRA	MAA
1	SQUAW VALLEY	SWR	VOR/DME	L							17500

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

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	AAO	391900.00N/1195724.00W	10125	4E

**PRECIPITOUS TERRAIN ADDITIONS:**

PAT	SPEED	ADDITION
UPN	230	375

**HOLDING RESTRICTIONS:**

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 11500.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAG VAR: 16E 1990.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DUDES			KSMF	SACRAMENTO	CA (US)
DP	RICHY			KTVL	SOUTH LAKE TAHOE	CA (US)
DP	SHOLE			KTVL	SOUTH LAKE TAHOE	CA (US)
DP	TAKEOFF			KTVL	SOUTH LAKE TAHOE	CA (US)
DP	TAKEOFF			KTRK	TRUCKEE	CA (US)
DP	TRUCK			KTRK	TRUCKEE	CA (US)
DP	MINDEN (RNAV)			KMEV	MINDEN	NV (US)
DP	DOBNE			KRNO	RENO	NV (US)
DP	WAGGE			KRNO	RENO	NV (US)
EN ROUTE	T331					(US)
EN ROUTE	V338					(US)
EN ROUTE	V494					(US)
EN ROUTE	V6					(US)
IAP	ILS OR LOC/DME RWY 22L			KMHR	SACRAMENTO	CA (US)
IAP	LDA/DME-1 RWY 18			KTVL	SOUTH LAKE TAHOE	CA (US)
IAP	RNAV (GPS) RWY 11			KTRK	TRUCKEE	CA (US)
IAP	ILS OR LOC/DME RWY 34L			KRNO	RENO	NV (US)
IAP	RNAV (GPS) X RWY 34L			KRNO	RENO	NV (US)
IAP	RNAV (GPS) X RWY 34R			KRNO	RENO	NV (US)
IAP	RNAV (GPS) Y RWY 34L			KRNO	RENO	NV (US)
IAP	RNAV (GPS) Y RWY 34R			KRNO	RENO	NV (US)
IAP	ILS OR LOC RWY 32			KRTS	RENO	NV (US)
IAP	RNAV (GPS) RWY 32			KRTS	RENO	NV (US)
STAR	SQUAW VALLEY	1		KSUU	FAIRFIELD	CA (US)
STAR	FLUNK			KSMF	SACRAMENTO	CA (US)
STAR	CANNON			KRNO	RENO	NV (US)
STAR	TARVR			KRNO	RENO	NV (US)
STAR	VIKES			KRNO	RENO	NV (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 16 **DATE OF REVISION:** 02/01/2018

**REASON FOR REVISION:**

1. UPDATED FIX USE. CHANGED KRTS "ILS OR LOC/DME RWY 32" TO "ILS OR LOC RWY 32".

**DEVELOPED BY:** **DATE:** 09/15/2017 **OFFICE:** AJV-5423 **NAME:** JASON KRETSCHMER

**APPROVED BY:** **DATE:** **OFFICE:** AJV-5420 **NAME:** JULIE MORGAN *Digitally signed by*

**SIGNATURE:** **DION E LANCIA**

Dec 15, 2017

**DISTRIBUTION:** NFDC  
FPO: WEST  
ARTCC: ZOA  
ATC FACILITY: RNO APP CON



OTHER:

