

# RADIO FIX AND HOLDING DATA RECORD

NAME: COALDALE VORTAC STATE: NV COUNTRY: US ICAO REGION CODE: K2  
 LATITUDE/LONGITUDE: 380011.74N/1174613.61W 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	COALDALE	OAL	VORTAC	H						45000

## 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	OAL	VORTAC	129.00	309.00	R	1	11000 17500	9 16
2	NE	OAL	VORTAC	067.00	247.00	R	1	11000 45000	9 29

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	374921.00N/1174433.00W	8065	4E
2	230	AAO	380130.60N/1172935.90W	9308	6A

## PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	281
2	230	280

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 PAT 1, 2 ATC REQUEST.  
 ASSIGNED FACILITY MAGVAR: 17 DEGREES EAST (1965).

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	COALDALE			KFAT	FRESNO	CA (US)
DP	YOSEMITE			KFAT	FRESNO	CA (US)
DP	OENNS (RNAV)			KMMH	MAMMOTH LAKES	CA (US)
DP	OZIEE (RNAV)			KAPC	NAPA	CA (US)
DP	PALLY (RNAV)			KHND	LAS VEGAS	NV (US)
DP	SHEAD (RNAV)			KLAS	LAS VEGAS	NV (US)
DP	FAIRFIELD			KSLC	SALT LAKE CITY	UT (US)
DP	SEVYR			KSLC	SALT LAKE CITY	UT (US)
EN ROUTE	J148					(US)
EN ROUTE	J58					(US)
EN ROUTE	J80					(US)
EN ROUTE	J92					(US)
EN ROUTE	Q136					(US)
EN ROUTE	T298					(US)
EN ROUTE	V105					(US)
EN ROUTE	V244					(US)
EN ROUTE	V564					(US)
IAP	LDA RWY 17			KBIH	BISHOP	CA (US)
IAP	VOR OR GPS-A			KBIH	BISHOP	CA (US)
STAR	GIVEN			KFAT	FRESNO	CA (US)
STAR	MODESTO			KSFO	SAN FRANCISCO	CA (US)
STAR	EL NIDO			KSJC	SAN JOSE	CA (US)
STAR	KENNO (RNAV)			KRNO	RENO	NV (US)
STAR	RUSME (RNAV)			KRNO	RENO	NV (US)
STAR	TARVR			KRNO	RENO	NV (US)

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

COMPULSORY REPORTING POINT: LOW/HIGH

RECORD REVISION NUMBER: 21

DATE OF REVISION: 03/29/2018

## REASON FOR REVISION:

1. UPDATED FIX USE: REMOVED KSLC EDETH (RNAV) DP, PECOP (RNAV) DP, AND WEVIC (RNAV) DP; CHANGED KBIH FROM LDA/DME RWY 16 TO LDA RWY 17.  
 2. CHANGED PATS 1-2 LEG LENGTH TIME FROM "1-1 1/2" TO "1".

DEVELOPED BY:

DATE: 10/23/2017

OFFICE: AJV-5422

NAME: DUSTIN DAVIDSON

**APPROVED BY:****DATE:****OFFICE:** AJV-5420**NAME:** JULIE MORGAN**SIGNATURE:****DISTRIBUTION:****NFDC****FPO:** WST**ARTCC:** ZOA**ATC FACILITY:** NORCAL APP 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)

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

**SIGNATURE:**

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

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** PANOCHE VORTAC      **STATE:** CA      **COUNTRY:** US      **ICAO REGION CODE:** K2  
**LATITUDE/LONGITUDE:** 364255.65N/1204643.26W      **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	PANOCHE	PXN	VORTAC	L						24000

**FIX RESTRICTIONS:**

MCA V113 5500 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	SW	PXN	VORTAC	229.00	049.00	R	1-1 1/2		5500	17500	5	16
2	SE		WP	154.88	334.88	R		7	6500	17500	9	17
3	SW		WP	229.00	049.00	R		5	5200	17500	6	17

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	AAO	362724.00N/1204915.00W	4357	4E
1	200	AAO	364110.60N/1205553.90W	3863	6A
1	310	AAO	362827.00N/1205403.00W	4223	4E
2	230	AAO	363230.00N/1204845.00W	3304	4E
2	310	AAO	362208.10N/1203830.10W	5441	6A
3	200	AAO	364110.60N/1205553.90W	3869	4E

**PRECIPITOUS TERRAIN ADDITIONS:**

PAT	SPEED	ADDITION
UPN	230	182
1	200	154
1	310	262
2	230	121
2	310	254
3	200	258

**HOLDING RESTRICTIONS:**

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 9000.  
HOLDING LIMITED TO ESTABLISHED PATTERNS BELOW 9000.

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

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKEOFF MINIMUMS	KF34	FIREBAUGH	CA (US)
2	RNAV (GPS) RWY 14	KLSN	LOS BANOS	CA (US)

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAG VAR: E16/1980.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MEADOWS			KBFL	BAKERSFIELD	CA (US)
DP	TAKEOFF MINIMUMS		1	KF34	FIREBAUGH	CA (US)
DP	YOSEMITE			KFAT	FRESNO	CA (US)
DP	MONTEREY			KMRY	MONTEREY	CA (US)
DP	TORO			KMRY	MONTEREY	CA (US)
DP	SOUTHLAND			KNUQ	MOUNTAIN VIEW	CA (US)
DP	OAKLAND			KOAK	OAKLAND	CA (US)
DP	SKYLINE			KOAK	OAKLAND	CA (US)
DP	CHALONE			KSNS	SALINAS	CA (US)
DP	SAN JOSE			KSJC	SAN JOSE	CA (US)
EN ROUTE	T263					(US)
EN ROUTE	V107					(US)
EN ROUTE	V109					(US)
EN ROUTE	V113					(US)
EN ROUTE	V230					(US)
EN ROUTE	V301					(US)
EN ROUTE	V585					(US)
EN ROUTE	V87					(US)
IAP	RNAV (GPS)-B		3	KF34	FIREBAUGH	CA (US)
IAP	VOR/DME-A		1	KF34	FIREBAUGH	CA (US)
IAP	HI-VOR/DME OR TACAN RWY 11L			KFAT	FRESNO	CA (US)
IAP	LOC RWY 11L			KFAT	FRESNO	CA (US)
IAP	TACAN RWY 14L			KNLC	LEMOORE	CA (US)

IAP	TACAN RWY 14R		KNLC	LEMOORE	CA (US)
IAP	RNAV (GPS) RWY 14	2	KLSN	LOS BANOS	CA (US)
IAP	RNAV (GPS) RWY 32		KLSN	LOS BANOS	CA (US)
IAP	VOR/DME RWY 32		KLSN	LOS BANOS	CA (US)
IAP	ILS OR LOC RWY 30		KMCE	MERCED	CA (US)
IAP	RNAV (GPS) RWY 30		KMCE	MERCED	CA (US)
IAP	VOR RWY 30		KMCE	MERCED	CA (US)
IAP	RNAV (GPS) RWY 31		KMER	MERCED	CA (US)
IAP	ILS OR LOC/DME RWY 28R		KMOD	MODESTO	CA (US)
IAP	RNAV (GPS) RWY 28R		KMOD	MODESTO	CA (US)
IAP	VOR/DME RWY 28R		KMOD	MODESTO	CA (US)
STAR	PANOCHE		KOAK	OAKLAND	CA (US)
STAR	EL NIDO		KSJC	SAN JOSE	CA (US)
STAR	ROBIE		KSJC	SAN JOSE	CA (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 26

**DATE OF REVISION:** 05/24/2018

**REASON FOR REVISION:**

ADDED DP OAKLAND AT KOAK TO FIX USE.

ADDED REMARK ASSIGNED FACILITY MAG VAR: E16/1980.

**DEVELOPED BY:**      **DATE:** 12/05/2017

**OFFICE:** AJV-5432

**NAME:** ADOLFO URRUTIA (CHRISTINE BAYSE)

**APPROVED BY:**      **DATE:**

**OFFICE:** AJV-5430

**NAME:** PATRICK MULQUEEN

**SIGNATURE:**

**DISTRIBUTION:**

**NFDC**

**FPO:** WST

**ARTCC:** ZOA

**ATC FACILITY:** NORCAL APP CON

**OTHER:**