

# RADIO FIX AND HOLDING DATA RECORD

NAME: PARADISE VORTAC      STATE: CA      COUNTRY: US      ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 335506.01N/1173147.99W      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	PARADISE	PDZ	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	NE	PDZ	VORTAC	030.00	210.00	R	1-1 1/2		3500	17500	4	16
2	E	PDZ	VORTAC	078.00	258.00	R	1-1 1/2		3100	17500	4	16
3	E		WP	080.00	260.00	R		4	3200	17500	5	17
4	E	PDZ	VORTAC	089.00	269.00	R	1-1 1/2		4600	17500	5	16
5	E	PDZ	VORTAC	078.00	258.00	R	1-1 1/2		4600	17500	5	16
6	E		WP	078.00	258.00	R		5	4700	17500	6	17
7	NE	PDZ	VORTAC	030.00	210.00	R	1-1 1/2		7200	17500	8	16

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	340203.00N/1172639.00W	2487	4E
2	200	AAO	335215.00N/1172818.00W	2041	4E
2	310	AAO	334818.00N/1173612.00W	3645	4E
3	200	AAO	335800.00N/1171718.00W	3160	4E
3	310	TOWER (06-002516)	334743.06N/1173632.00W	4100	5E
4	200	AAO	335215.00N/1172818.00W	2041	4E
4	310	AAO	334748.50N/1173614.80W	4207	6A
5	200	AAO	335800.00N/1171718.00W	3160	4E
5	310	AAO	334748.50N/1173614.80W	4207	6A
6	200	TOWER (06-002098)	335755.00N/1171706.00W	3242	5E
6	310	TOWER (06-002516)	334743.06N/1173632.00W	4100	5E
7	230	AAO	334818.00N/1173615.00W	3668	4E
7	310	AAO	341254.00N/1173233.00W	6677	4E

## PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
2	310	114
3	310	200
3	200	140
4	310	101
5	310	98
6	310	160
7	310	346

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKE-OFF MINIMUMS	KONT	ONTARIO	CA (US)
2	TAKE-OFF MINIMUMS	KCNO	CHINO	CA (US)
2	VOR OR GPS-A	KAJO	CORONA	CA (US)
3	RNAV (GPS) Y RWY 08L	KONT	ONTARIO	CA (US)
4	VOR RWY 9	KRAL	RIVERSIDE	CA (US)
4	VOR-A	KRAL	RIVERSIDE	CA (US)
5	VOR OR GPS-A	KAJO	CORONA	CA (US)
5	ILS Z OR LOC Z RWY 6	KSBD	SAN BERNARDINO	CA (US)
5	TAKE-OFF MINIMUMS	KCCB	UPLAND	CA (US)
5	LOC Y RWY 6	KSBD	SAN BERNARDINO	CA (US)
5	TAKE-OFF MINIMUMS	KSBD	SAN BERNARDINO	CA (US)
6	RNAV (GPS) Y RWY 06	KSBD	SAN BERNARDINO	CA (US)
6	RNAV (GPS) Z RWY 06	KRIR	RIVERSIDE/RUBIDOUX	CA (US)
7	TAKE-OFF MINIMUMS	KAJO	CORONA	CA (US)
7	TAKE-OFF MINIMUMS	KEMT	EL MONTE	CA (US)
7	TAKE-OFF MINIMUMS	KRAL	RIVERSIDE	CA (US)
7	TAKE-OFF MINIMUMS	KSBD	SAN BERNARDINO	CA (US)
7	TAKE-OFF MINIMUMS	KREI	REDLANDS	CA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

PATTERNS 3 AND 5 200K CONTROLLING OBSTACLES LOCATED 12062.55 FT INTO SECONDARY AREA - PRIMARY EQUIVALENT VALUE 2163.01 FT.

PATTERN 4 310K CONTROLLING OBSTACLE LOCATED 7291.1 FT INTO SECONDARY AREA - PRIMARY EQUIVALENT VALUE 3407.01 FT - PAT 13 USED FOR CIH EVALUATION.

PATTERN 5 310K CONTROLLING OBSTACLE LOCATED 7023.75 FT INTO SECONDARY AREA - PRIMARY EQUIVALENT VALUE 3418.01 FT - PAT 13 USED FOR CIH EVALUATION.

PATTERN 6 200K CONTROLLING OBSTACLE LOCATED 8020.23 FT INTO SECONDARY AREA - PRIMARY EQUIVALENT VALUE 2409.01 FT.

PATTERN 6 310K CONTROLLING OBSTACLE LOCATED 3985.69 FT INTO SECONDARY AREA - PRIMARY EQUIVALENT VALUE 3543.01 FT - PAT 14 USED FOR CIH EVALUATION.

PATTERN 7 230K CONTROLLING OBSTACLE LOCATED 11905.30 FT INTO SECONDARY AREA - PRIMARY EQUIVALENT VALUE 2678.01 FT.

PATTERN 7 310K CONTROLLING OBSTACLE LOCATED 10289.78 FT INTO SECONDARY AREA - PRIMARY EQUIVALENT VALUE 5753.01 FT - PAT 14 USED FOR CIH EVALUATION.

PDZ VORTAC MAGVAR: 15E 1965

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKE-OFF MINIMUMS		2	KCNO	CHINO	CA (US)
DP	TAKE-OFF MINIMUMS		7	KAJO	CORONA	CA (US)
DP	TAKE-OFF MINIMUMS		7	KEMT	EL MONTE	CA (US)
DP	ANAHEIM			KFUL	FULLERTON	CA (US)
DP	REDHL (RNAV)			KFUL	FULLERTON	CA (US)
DP	ANAHEIM			KLGB	LONG BEACH	CA (US)
DP	REDHL (RNAV)			KLGB	LONG BEACH	CA (US)
DP	REDHL (RNAV)			KSLI	LOS ALAMITOS	CA (US)
DP	NIKKL			KONT	ONTARIO	CA (US)
DP	TAKE-OFF MINIMUMS		1	KONT	ONTARIO	CA (US)
DP	CATHEDRAL			KPSP	PALM SPRINGS	CA (US)
DP	TAKE-OFF MINIMUMS		7	KREI	REDLANDS	CA (US)
DP	TAKE-OFF MINIMUMS		7	KRAL	RIVERSIDE	CA (US)
DP	SKYES			KRIV	RIVERSIDE	CA (US)
DP	TAKE-OFF MINIMUMS		5	KRIR	RIVERSIDE/RUBIDOUX	CA (US)
DP	TAKE-OFF MINIMUMS		7	KSBD	SAN BERNARDINO	CA (US)
DP	PEBLE			KSAN	SAN DIEGO	CA (US)
DP	ANAHEIM			KSNA	SANTA ANA	CA (US)
DP	EL TORO			KSNA	SANTA ANA	CA (US)
DP	IRVINE			KSNA	SANTA ANA	CA (US)
DP	MUSEL			KSNA	SANTA ANA	CA (US)
DP	PLZZA (RNAV)			KSNA	SANTA ANA	CA (US)
DP	REDHL (RNAV)			KTOA	TORRANCE	CA (US)
DP	TAKE-OFF MINIMUMS		5	KCCB	UPLAND	CA (US)
DP	ADAMM			KVNY	VAN NUYS	CA (US)
EN ROUTE	J107					(US)
EN ROUTE	J128					(US)
EN ROUTE	J50					(US)
EN ROUTE	J60					(US)
EN ROUTE	J64					(US)
EN ROUTE	J74					(US)
EN ROUTE	J93					(US)
EN ROUTE	J96					(US)
EN ROUTE	T306					(US)
EN ROUTE	V16					(US)
EN ROUTE	V186					(US)
EN ROUTE	V197					(US)
EN ROUTE	V21					(US)
EN ROUTE	V370					(US)
EN ROUTE	V388					(US)
EN ROUTE	V442					(US)
EN ROUTE	V8					(US)
IAP	ILS OR LOC RWY 26R			KCNO	CHINO	CA (US)
IAP	RNAV (GPS) RWY 26R			KCNO	CHINO	CA (US)
IAP	VOR RWY 26R			KCNO	CHINO	CA (US)
IAP	VOR OR GPS-A		2	KAJO	CORONA	CA (US)
IAP	NDB OR GPS-C			KEMT	EL MONTE	CA (US)
IAP	VOR OR GPS-A			KEMT	EL MONTE	CA (US)
IAP	VOR OR GPS-B			KEMT	EL MONTE	CA (US)
IAP	ILS RWY 26L		2	KPOC	LA VERNE	CA (US)
IAP	LOC RWY 26L		2	KPOC	LA VERNE	CA (US)
IAP	RNAV (GPS) RWY 26L			KPOC	LA VERNE	CA (US)
IAP	VOR OR GPS-A			KPOC	LA VERNE	CA (US)
IAP	ILS OR LOC RWY 6L (ALT MA)		2	KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 08L			KONT	ONTARIO	CA (US)
IAP	ILS OR LOC RWY 26L			KONT	ONTARIO	CA (US)
IAP	ILS OR LOC RWY 26R		2	KONT	ONTARIO	CA (US)
IAP	ILS RWY 26L (CAT II)			KONT	ONTARIO	CA (US)
IAP	ILS RWY 26L (CAT III)			KONT	ONTARIO	CA (US)
IAP	RNAV (GPS) Y RWY 08L		3	KONT	ONTARIO	CA (US)
IAP	RNAV (GPS) Y RWY 08R			KONT	ONTARIO	CA (US)
IAP	RNAV (GPS) Y RWY 26L		3	KONT	ONTARIO	CA (US)
IAP	RNAV (GPS) Y RWY 26R		3	KONT	ONTARIO	CA (US)
IAP	HI-ILS OR LOC RWY 25			KPMD	PALMDALE	CA (US)
IAP	HI-TACAN RWY 25			KPMD	PALMDALE	CA (US)
IAP	GPS-A			KREI	REDLANDS	CA (US)
IAP	ILS OR LOC RWY 9			KRAL	RIVERSIDE	CA (US)
IAP	VOR RWY 9		4	KRAL	RIVERSIDE	CA (US)
IAP	VOR-A		4	KRAL	RIVERSIDE	CA (US)
IAP	HI-TACAN Z RWY 32			KRIV	RIVERSIDE	CA (US)
IAP	HI-VOR Z RWY 32			KRIV	RIVERSIDE	CA (US)
IAP	ILS OR LOC Y RWY 32			KRIV	RIVERSIDE	CA (US)

IAP	VOR Y RWY 32 RNAV		KRIV	RIVERSIDE	CA (US)
IAP	(GPS)-A	6	KRIR	RIVERSIDE/RUBIDOUX/	CA (US)
IAP	ILS Z OR LOC Z RWY 6	5	KSBD	SAN BERNARDINO	CA (US)
IAP	LOC Y RWY 6	5	KSBD	SAN BERNARDINO	CA (US)
IAP	RNAV (GPS) Y RWY 6	6	KSBD	SAN BERNARDINO	CA (US)
IAP	RNAV (GPS) Z RWY 6	6	KSBD	SAN BERNARDINO	CA (US)
IAP	ILS OR LOC RWY 20R		KSNA	SANTA ANA	CA (US)
IAP	VOR-A	2	KCCB	UPLAND	CA (US)
STAR	FERNANDO		KBUR	BURBANK	CA (US)
STAR	SETER		KCNO	CHINO	CA (US)
STAR	ZIGGY		KCNO	CHINO	CA (US)
STAR	SETER		KAJO	CORONA	CA (US)
STAR	ZIGGY		KAJO	CORONA	CA (US)
STAR	SETER		KEMT	EL MONTE	CA (US)
STAR	ZIGGY		KEMT	EL MONTE	CA (US)
STAR	KAYOH		KFUL	FULLERTON	CA (US)
STAR	SETER		KPOC	LA VERNE	CA (US)
STAR	ZIGGY		KPOC	LA VERNE	CA (US)
STAR	KAYOH		KLGB	LONG BEACH	CA (US)
STAR	KAYOH		KSLL	LOS ALAMITOS	CA (US)
STAR	BASET	1	KLAX	LOS ANGELES	CA (US)
STAR	DOWNE		KLAX	LOS ANGELES	CA (US)
STAR	KIMMO		KLAX	LOS ANGELES	CA (US)
STAR	SEAVU		KLAX	LOS ANGELES	CA (US)
STAR	KARLB (RNAV)		KONT	ONTARIO	CA (US)
STAR	SETER		KONT	ONTARIO	CA (US)
STAR	ZIGGY		KONT	ONTARIO	CA (US)
STAR	SETER		KRAL	RIVERSIDE	CA (US)
STAR	ZIGGY		KRAL	RIVERSIDE	CA (US)
STAR	ARKOE		KRIV	RIVERSIDE	CA (US)
STAR	MARCH		KRIV	RIVERSIDE	CA (US)
STAR	SETER		KSBD	SAN BERNARDINO	CA (US)
STAR	ZIGGY		KSBD	SAN BERNARDINO	CA (US)
STAR	KAYOH		KSNA	SANTA ANA	CA (US)
STAR	FERNANDO		KSMO	SANTA MONICA	CA (US)
STAR	KIMMO		KSMO	SANTA MONICA	CA (US)
STAR	KAYOH		KTOA	TORRANCE	CA (US)
STAR	FERNANDO		KVNY	VAN NUYS	CA (US)

**REQUIRED CHARTING:** DP, STAR, MILITARY IAP, IAP, AREA, 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 PAT 6 CONTROLLING OBSTACLE ELEVATION FROM 3239 MSL TO 3242 MSL.
2. UPDATED FIX USE - CHANGED NAME OF KPMD HI-ILS/DME RWY 25 TO HI-ILS OR LOC RWY 25; ADDED "(ALT MA)" TO KLAX ILS OR LOC RWY 6L; ADDED KSNAN PEBLE DP; DELETED KLAX RIIVR STAR; DELETED KCRQ FODRR STAR; ADDED Z TO ILS OR LOC Z RWY 06 KSBD; ADDED PAT 6 310 KT PATTERN.

**DEVELOPED BY:**      **DATE:** 08/24/2017

**OFFICE:** AJV-5431

**NAME:** SEAN BARBEE

**APPROVED BY:**      **DATE:**

**OFFICE:** AJV-5430

**NAME:** PATRICK MULQUEEN

**SIGNATURE:**

**DISTRIBUTION:**    **NFDC**  
**FPO:** WST  
**ARTCC:** ZLA  
**ATC FACILITY:** SOCAL APP CON  
**OTHER:** KONT ATCT

# RADIO FIX AND HOLDING DATA RECORD

NAME: UCUDO

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 340110.18N/1172925.35W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**FIX USE:**

USE TYPE  
IAP  
IAP

USE TITLE  
RNAV (GPS) Y RWY 6  
RNAV (GPS) Z RWY 6

FAC PAT

AIRPORT IDENT  
KSBD  
KSBD

CITY  
SAN BERNARDINO  
SAN BERNARDINO

STATE  
CA (US)  
CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 03/29/2018

**REASON FOR REVISION:**

DELETED FAC 1 (RWY 06 @ KSBD).  
REFORMATTED FIX USE TO CURRENT CRITERIA.

DEVELOPED BY:

DATE: 10/05/2017

OFFICE: AJV-5431

NAME: ROBERT GRIM

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZLA  
ATC FACILITY: SOCAL APP CON  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** WIDAD

**STATE:** CA

**COUNTRY:** US

**ICAO REGION CODE:** K2

**LATITUDE/LONGITUDE:** 340309.61N/1172244.10W

**TYPE:** WP

**AIRSPACE DOCKET:**

**FIX TYPE OF ACTION:** MODIFY

**HOLDING:**

**HOLDING TYPE OF ACTION:** NO CHANGE

**FIX USE:**

**USE TYPE**  
IAP  
IAP

**USE TITLE**  
RNAV (GPS) Y RWY 6  
RNAV (GPS) Z RWY 6

**FAC PAT**

**AIRPORT IDENT**  
KSBD  
KSBD

**CITY**  
SAN BERNARDINO  
SAN BERNARDINO

**STATE**  
CA (US)  
CA (US)

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1

**DATE OF REVISION:** 03/29/2018

**REASON FOR REVISION:**

DELETED FAC 1 (RWY 06 @ KSBD).  
REFORMATTED FIX USE TO CURRENT CRITERIA.  
FIX MOVED 768 FT SSW TO MATCH IPDS PFAF LOCATION.

**DEVELOPED BY:**

**DATE:** 10/05/2017

**OFFICE:** AJV-5431

**NAME:** ROBERT GRIM

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-5430

**NAME:** PATRICK MULQUEEN

**SIGNATURE:**

**DISTRIBUTION:**

**NFDC**  
**FPO:** WST  
**ARTCC:** ZLA  
**ATC FACILITY:** SOCAL APP CON  
**OTHER:**