

# RADIO FIX AND HOLDING DATA RECORD

NAME: GOATZ

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 331105.47N/1184014.88W

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 NM	FAC FEET	MRA	MAA
1	SANTA CATALINA	SXC	VORTAC	VL	213.00	228.00	17.00	17.00		16000	17500
2	SAN CLEMENTE	NUC	TACAN	L	322.10	334.10	10.51	10.51		16000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

SANTA CATALINA (FAC 1) USED TO ESTABLISH FIX COORDINATES.  
FIX USED IN CONTROL 1177L (FAC 1, FAC 2).

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LAXX	1		KLAX	LOS ANGELES	CA (US)
STAR	GOATZ (RNAV)			KLAX	LOS ANGELES	CA (US)
STAR	LEENA	1		KLAX	LOS ANGELES	CA (US)
STAR	KARLB (RNAV)			KONT	ONTARIO	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 12/26/2024

## REASON FOR REVISION:

CHANGED STATE FROM OP TO CA  
CHANGED ICAO REGION CODE FROM P TO K2

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JON NEIDIGH

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

*Digitally signed by*

**JOSEPH L ZEDER**

Sep 30, 2024

QUALITY  
35  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: MALIT

STATE: OP

COUNTRY: US

ICAO REGION CODE: P

LATITUDE/LONGITUDE: 322832.13N/1193528.25W

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 FAC NM	FEET	MRA	MAA
1	SANTA CATALINA	SXC	VORTAC	VL	213.00	228.00	80.00	80.00		6000	45000
2	MISSION BAY	MZB	VORTAC	VH	246.93	261.93	121.27	121.27		18000	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SXC	VORTAC	R-213	80	6000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

SANTA CATALINA (FAC 1) USED TO ESTABLISH FIX COORDINATES.  
FIX USED IN CONTROL 1177L (FAC 1).

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PADRZ (RNAV)			KCRQ	CARLSBAD	CA (US)
DP	KYLOW (RNAV)			KLAX	LOS ANGELES	CA (US)
DP	LAXX	1, 2		KLAX	LOS ANGELES	CA (US)
DP	ZILLI (RNAV)			KLAX	LOS ANGELES	CA (US)
DP	RAJEE (RNAV)			KONT	ONTARIO	CA (US)
DP	PADRZ (RNAV)			KRNM	RAMONA	CA (US)
DP	PADRZ (RNAV)			KMYF	SAN DIEGO	CA (US)
DP	MMOTO (RNAV)			KSAN	SAN DIEGO	CA (US)
DP	PADRZ (RNAV)			KSAN	SAN DIEGO	CA (US)
DP	PADRZ (RNAV)			KSDM	SAN DIEGO	CA (US)
DP	PADRZ (RNAV)			KSEE	SAN DIEGO/EL CAJON	CA (US)
STAR	GOATZ (RNAV)			KLAX	LOS ANGELES	CA (US)
STAR	LEENA	1, 2		KLAX	LOS ANGELES	CA (US)
STAR	KARLB (RNAV)			KONT	ONTARIO	CA (US)
STAR	PLYYA (STAR)			KSAN	SAN DIEGO	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 12/26/2024

## REASON FOR REVISION:

ADDED "FIX USED IN CONTROL 1177L (FAC 1)." TO  
REMARKS  
REMOVED CONTROL 1177L ENROUTE FROM FIX USE  
CHANGED MZB VORTAC CLASS FROM H TO VH

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JON NEIDIGH

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

*Digitally signed by*  
**JOSEPH L ZEDER**  
Sep 30, 2024

QUALITY  
35  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: ROSIN

STATE: OP

COUNTRY: US

ICAO REGION CODE: P

LATITUDE/LONGITUDE: 315631.52N/1201606.32W

TYPE: WP, 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	FEET	MRA	MAA
1	SANTA CATALINA	SXC	VORTAC	VL	213.00	228.00	127.00	127.00		12000	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SXC	VORTAC	R-213	127	12000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

SANTA CATALINA (FAC 1) USED TO ESTABLISH FIX COORDINATES.  
FIX USED IN CONTROL 1177L (FAC 1).

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LAXX	1		KLAX	LOS ANGELES	CA (US)
STAR	GOATZ (RNAV)			KLAX	LOS ANGELES	CA (US)
STAR	LEENA	1		KLAX	LOS ANGELES	CA (US)
STAR	KARLB (RNAV)			KONT	ONTARIO	CA (US)
STAR	PLYYA (RNAV)			KSAN	SAN DIEGO	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 12/26/2024

## REASON FOR REVISION:

ADDED "FIX USED IN CONTROL 1177L (FAC 1)." TO REMARKS  
REMOVED CONTROL 1177L ENROUTE FROM FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JON NEIDIGH

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

*Digitally signed by*

SIGNATURE: **JOSEPH L ZEDER**

Sep 30, 2024

QUALITY  
35  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: SEAL BEACH VORTAC      STATE: CA      COUNTRY: US      ICAO REGION CODE: K2  
 LATITUDE/LONGITUDE: 334659.88N/1180317.13W      TYPE:

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 FEET	MRA	MAA
1	SEAL BEACH	SLI	VORTAC	VL						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	SLI	VORTAC	058.00	238.00	L	1	2600 17500	4 16
2	SE	SLI	VORTAC	120.00	300.00	L	1	1500 17500	4 16
3	S	SLI	VORTAC	171.00	351.00	L	1	1800 17500	4 16
4	NE		WP	058.00	238.00	L		2600 12000	5 10
5	SE		WP	122.00	302.00	L		2600 14000	5 11
6	SE		WP	120.00	300.00	L		3000 14000	5 11
7	SE		WP	123.35	303.35	L		1400 1400	4 4
8	S		WP	171.00	351.00	L		4000 6000	5 13

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	BLDG (06-000442)	334652.00N/1175336.00W	475	1D
2	200	TOWER (06-002478)	334725.60N/1180855.10W	337	2C
3	200	TOWER (06-002478)	334725.60N/1180855.10W	337	2C
3	310	TOWER (06-020156)	335246.90N/1180050.10W	744	1A
4	200	BLDG (06-000442)	334652.00N/1175336.00W	475	1D
5	200	TOWER (06-002478)	334725.60N/1180855.10W	337	2C
6	200	TOWER (06-002478)	334725.60N/1180855.10W	337	2C
7	175	TOWER (06-002478)	334725.60N/1180855.10W	337	2C
8	200	TOWER (06-002478)	334725.60N/1180855.10W	337	2C
8	310	TOWER (06-020156)	335246.90N/1180050.10W	744	1A

## REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST  
 PAT 2 ATC REQUEST  
 PAT 3 ATC REQUEST  
 PAT 4 ATC REQUEST  
 PAT 5 ATC REQUEST  
 PAT 6 ATC REQUEST  
 PAT 7 ATC REQUEST  
 PAT 8 ATC REQUEST

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
3	TAKEOFF MINIMUMS	KFUL	FULLERTON	CA (US)
3	TAKEOFF MINIMUMS	KSNA	SANTA ANA	CA (US)
8	RNAV (GPS) RWY 7	KHHR	HAWTHORNE	CA (US)

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 ASSIGNED FACILITY MAG VAR: 15E (1975).

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL DP	SUXYO (RNAV)			KFUL	FULLERTON	CA (US)
SPECIAL DP	KUTEY (RNAV)			50CA	LONG BEACH	CA (US)
SPECIAL DP	AZPAD (RNAV)			14CA	NEWPORT BEACH	CA (US)
SPECIAL IAP	COPTER RNAV (GPS) 16		7	3CNA	ANAHEIM	CA (US)
SPECIAL IAP	COPTER RNAV (GPS) 25		7	50CA	LONG BEACH	CA (US)
SPECIAL IAP	COPTER RNAV (GPS) 17		7	14CA	NEWPORT BEACH	CA (US)
SPECIAL IAP	COPTER RNAV (GPS) 19		7	4CA5	ORANGE	CA (US)
DP	ELMOO			KBUR	BURBANK	CA (US)
DP	CWARD (RNAV)			KCRQ	CARLSBAD	CA (US)
DP	ANAHEIM			KFUL	FULLERTON	CA (US)
DP	TAKEOFF MINIMUMS		3	KFUL	FULLERTON	CA (US)
DP	ANAHEIM			KLGB	LONG BEACH	CA (US)
DP	TAKEOFF MINIMUMS			KLGB	LONG BEACH	CA (US)
DP	TAKEOFF MINIMUMS			KSLI	LOS ALAMITOS	CA (US)
DP	CATALINA			KLAX	LOS ANGELES	CA (US)
DP	LAXX			KLAX	LOS ANGELES	CA (US)
DP	SEAL BEACH			KLAX	LOS ANGELES	CA (US)
DP	SEBBY			KLAX	LOS ANGELES	CA (US)

DP	TAKEOFF MINIMUMS		KLAX	LOS ANGELES	CA (US)
DP	NIKKL		KONT	ONTARIO	CA (US)
DP	DOYLE		KNTD	POINT MUGU	CA (US)
DP	CWARD (RNAV)		KRNM	RAMONA	CA (US)
DP	CWARD (RNAV)		KMYF	SAN DIEGO	CA (US)
DP	CWARD (RNAV)		KSAN	SAN DIEGO	CA (US)
DP	ECHHO (RNAV)		KSAN	SAN DIEGO	CA (US)
DP	FALCC		KSAN	SAN DIEGO	CA (US)
DP	PEBLE		KSAN	SAN DIEGO	CA (US)
DP	CWARD (RNAV)		KSDM	SAN DIEGO	CA (US)
DP	CWARD (RNAV)		KSEE	SAN DIEGO/EL CAJON	CA (US)
DP	ANAHEIM		KSNA	SANTA ANA	CA (US)
DP	CHANNEL		KSNA	SANTA ANA	CA (US)
DP	IRVINE		KSNA	SANTA ANA	CA (US)
DP	MUSEL		KSNA	SANTA ANA	CA (US)
DP	TAKEOFF MINIMUMS	3	KSNA	SANTA ANA	CA (US)
DP	ADAMM		KVNY	VAN NUYS	CA (US)
EN ROUTE	J134				(US)
EN ROUTE	J169				(US)
EN ROUTE	J78				(US)
EN ROUTE	T245				(US)
EN ROUTE	T247				(US)
EN ROUTE	T249				(US)
EN ROUTE	V165				(US)
EN ROUTE	V21				(US)
EN ROUTE	V23				(US)
EN ROUTE	V283				(US)
EN ROUTE	V372				(US)
EN ROUTE	V388				(US)
EN ROUTE	V394				(US)
EN ROUTE	V459				(US)
EN ROUTE	V597				(US)
EN ROUTE	V64				(US)
EN ROUTE	V8				(US)
IAP	VOR-A		KEMT	EL MONTE	CA (US)
IAP	LOC/DME RWY 24	2	KFUL	FULLERTON	CA (US)
IAP	RNAV (GPS) RWY 24	4	KFUL	FULLERTON	CA (US)
IAP	VOR-A	1	KFUL	FULLERTON	CA (US)
IAP	LOC RWY 25		KHHR	HAWTHORNE	CA (US)
IAP	RNAV (GPS) RWY 7	8	KHHR	HAWTHORNE	CA (US)
IAP	RNAV (GPS) RWY 25		KHHR	HAWTHORNE	CA (US)
IAP	VOR RWY 25		KHHR	HAWTHORNE	CA (US)
IAP	ILS RWY 26L		KPOC	LA VERNE	CA (US)
IAP	LOC RWY 26L		KPOC	LA VERNE	CA (US)
IAP	VOR OR GPS-A		KPOC	LA VERNE	CA (US)
IAP	ARSENAL VISUAL RWY 30		KLGB	LONG BEACH	CA (US)
IAP	ILS OR LOC RWY 30		KLGB	LONG BEACH	CA (US)
IAP	VOR OR TACAN RWY 30	2	KLGB	LONG BEACH	CA (US)
IAP	VOR OR TACAN RWY 22L		KSLI	LOS ALAMITOS	CA (US)
IAP	ILS OR LOC RWY 25L		KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 25R		KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 6L		KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 6R		KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 7L		KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 7R		KLAX	LOS ANGELES	CA (US)
IAP	ILS RWY 25L (CAT II & III)		KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 9		KRAL	RIVERSIDE	CA (US)
IAP	ILS OR LOC RWY 20R	2	KSNA	SANTA ANA	CA (US)
IAP	ILS RWY 20R (SA CAT I)	2	KSNA	SANTA ANA	CA (US)
IAP	LDA RWY 20R	2	KSNA	SANTA ANA	CA (US)
IAP	LOC BC RWY 2L	2	KSNA	SANTA ANA	CA (US)
IAP	RNAV (GPS) Y RWY 2L	5	KSNA	SANTA ANA	CA (US)
IAP	RNAV (RNP) Z RWY 2L	5	KSNA	SANTA ANA	CA (US)
IAP	ILS OR LOC RWY 29R		KTOA	TORRANCE	CA (US)
IAP	RNAV (GPS) RWY 29R		KTOA	TORRANCE	CA (US)
IAP	VOR RWY 11L		KTOA	TORRANCE	CA (US)
STAR	FERNANDO		KBUR	BURBANK	CA (US)
STAR	EMMLN		KFUL	FULLERTON	CA (US)
STAR	KAYOH		KFUL	FULLERTON	CA (US)
STAR	BAUBB (RNAV)	6	KLGB	LONG BEACH	CA (US)
STAR	DSNEE (RNAV)	6	KLGB	LONG BEACH	CA (US)
STAR	EMMLN		KLGB	LONG BEACH	CA (US)
STAR	KAYOH		KLGB	LONG BEACH	CA (US)
STAR	PCIFC (RNAV)	6	KLGB	LONG BEACH	CA (US)
STAR	ROOBY (RNAV)	6	KLGB	LONG BEACH	CA (US)
STAR	TANDY		KLGB	LONG BEACH	CA (US)
STAR	EMMLN		KSLI	LOS ALAMITOS	CA (US)
STAR	KAYOH		KSLI	LOS ALAMITOS	CA (US)
STAR	BASET		KLAX	LOS ANGELES	CA (US)
STAR	DIRBY (RNAV)		KLAX	LOS ANGELES	CA (US)
STAR	GOATZ (RNAV)		KLAX	LOS ANGELES	CA (US)
STAR	KIMMO		KLAX	LOS ANGELES	CA (US)
STAR	LEENA		KLAX	LOS ANGELES	CA (US)
STAR	OCEAN		KLAX	LOS ANGELES	CA (US)
STAR	OLAAA (RNAV)		KLAX	LOS ANGELES	CA (US)
STAR	VISTA		KLAX	LOS ANGELES	CA (US)
STAR	DSNEE (RNAV)	6	KSNA	SANTA ANA	CA (US)
STAR	EMMLN		KSNA	SANTA ANA	CA (US)
STAR	KAYOH		KSNA	SANTA ANA	CA (US)
STAR	ROOBY (RNAV)	6	KSNA	SANTA ANA	CA (US)

QUALITY  
35  
CHECKED

STAR	TANDY	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, MILITARY DP, IAP, EN ROUTE LOW, EN ROUTE HIGH, SPECIAL IAP, SPECIAL DP, CONTROLLER LOW, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 37

**DATE OF REVISION:** 12/26/2024

**REASON FOR REVISION:**

CHANGED SLI VORTAC CLASS FROM L TO VL

CHANGED HOLDING PAT 7 IDENT/TYPE FROM SLI VORTAC TO WP

ADDED HOLDING PAT 7 TO FIX USE FOR COPTER RNAV (GPS) 16, COPTER RNAV (GPS) 25, COPTER RNAV (GPS) 17, AND COPTER RNAV (GPS) 19

REMOVED FAC 1 FROM FIX USE OF NIKKL DP AND EMMLN STAR

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

**NAME:** JON NEIDIGH

**APPROVED BY:**

**DATE:** 12/26/2024

**OFFICE:** AJV-A432

**NAME:** JOSEPH ZEDER

**SIGNATURE:** *Digitally signed by*  
**JOSEPH L ZEDER**

Sep 30, 2024

