

RADIO FIX AND HOLDING DATA RECORD

NAME: AVOLS

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 332106.46N/1181430.62W

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 FEET	MRA	MAA
1	SANTA CATALINA	SXC	VORTAC	L	083.80	098.80	9.06	9.06	3000	17500
2	SEAL BEACH	SLI	VORTAC	L	185.00	200.00		27.49	3000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

SANTA CATALINA (FAC 1) AND SEAL BEACH (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V208	1, 2				(US)
EN ROUTE	V27	1, 2				(US)
EN ROUTE	V458	1, 2				(US)
STAR	LEGOZ (RNAV)			KCRQ	CARLSBAD	CA (US)
STAR	LEGOZ (RNAV)			KNFG	OCEANSIDE	CA (US)

REQUIRED CHARTING: STAR, AREA, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 02/01/2018

REASON FOR REVISION:

1. REMOVED "STAR FODRR (STAR) FAC 1,2 AT KCRQ, KNFG, AND KOFB" FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 09/29/2017

OFFICE: AJV-5433

NAME: DAVID TEFFETELLER (KWEKU DONKOR)

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: BAUBB

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 333418.00N/1184629.11W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	LEGOZ (RNAV)			KCRQ	CARLSBAD	CA (US)
STAR	BAUBB (RNAV)			KLGB	LONG BEACH	CA (US)
STAR	DIRBY (RNAV)			KLAX	LOS ANGELES	CA (US)
STAR	LEGOZ (RNAV)			KNFG	OCEANSIDE	CA (US)
STAR	TILLT (RNAV)			KSNA	SANTA ANA	CA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 10/12/2017

REASON FOR REVISION:

ADDED LEGOZ (RNAV) STAR FOR KCRQ AND KNFG TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 05/03/2017

OFFICE: AJV-5433

NAME: SYLVAN DRAKES

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: BLDIT

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 340647.87N/1184538.53W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
LEGOZ (RNAV)
LEGOZ (RNAV)

FAC

PAT

AIRPORT IDENT
KCRQ
KNFG

CITY
CARLSBAD
OCEANSIDE

STATE
CA (US)
CA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 03/02/2017

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 08/23/2016

OFFICE: AJV-5442

NAME: PATRICK MULQUEEN (JACOB MAXFIELD)

APPROVED BY:

DATE: 12/14/2016

OFFICE: AJV-5430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: BLOXX

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 341512.00N/1184950.80W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
LEGOZ (RNAV)
LEGOZ (RNAV)

FAC

PAT

AIRPORT IDENT
KCRQ
KNFG

CITY
CARLSBAD
OCEANSIDE

STATE
CA (US)
CA (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/12/2017

REASON FOR REVISION:

MOVED FIX 3.49 NM SOUTH. PER ATC, RETAIN NAME FOR OPERATIONAL PURPOSES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 05/03/2017

OFFICE: AJV-5433

NAME: SYLVAN DRAKES

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: BRIKS

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 332212.42N/1182326.36W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
LEGOZ (RNAV)
LEGOZ (RNAV)

FAC

PAT

AIRPORT IDENT
KCRQ
KNFG

CITY
CARLSBAD
OCEANSIDE

STATE
CA (US)
CA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 03/02/2017

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 08/23/2016

OFFICE: AJV-5442

NAME: PATRICK MULQUEEN (JACOB MAXFIELD)

APPROVED BY:

DATE: 12/14/2016

OFFICE: AJV-5430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: BURGL

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 353957.68N/1200627.86W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LEGOZ (RNAV)			KNFG	OCEANSIDE	CA (US)
STAR	LEGOZ (RNAV)			KCRQ	CARLSBAD	CA (US)
STAR	IRNMN (RNAV)			KHHR	HAWTHORNE	CA (US)
STAR	BAYST (RNAV)			KLAX	LOS ANGELES	CA (US)
STAR	IRNMN (RNAV)			KLAX	LOS ANGELES	CA (US)
STAR	ZUUMA (RNAV)			KLAX	LOS ANGELES	CA (US)
STAR	ZUUMA (RNAV)			KSMO	SANTA MONICA	CA (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

FIX USE: ADDED KLAX BAYST STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 07/18/2017

OFFICE: AJV-5422

NAME: DAVID DOWLING

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: DOUIT

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 351719.89N/1194927.26W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	LEGOZ (RNAV)			KCRQ	CARLSBAD	CA (US)
STAR	IRNMN (RNAV)			KHHR	HAWTHORNE	CA (US)
STAR	BAYST (RNAV)			KLAX	LOS ANGELES	CA (US)
STAR	IRNMN (RNAV)			KLAX	LOS ANGELES	CA (US)
STAR	ZUUMA (RNAV)			KLAX	LOS ANGELES	CA (US)
STAR	LEGOZ (RNAV)			KNFG	OCEANSIDE	CA (US)
STAR	ZUUMA (RNAV)			KSMO	SANTA MONICA	CA (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

FIX USE: ADDED KLAX BAYST STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 07/18/2017

OFFICE: AJV-5422

NAME: DAVID DOWLING

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: LANDO

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 350044.74N/1183658.94W

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 FAC NM	MRA	MAA
1	PARADISE	PDZ	VORTAC	VH	305.87	320.87	84.85	84.85	18000	45000
2	GORMAN	GMN	VORTAC	L	028.01	044.01		17.38	14500	45000
3	SHAFTER	EHF	VORTAC	VH	125.98	139.98	36.86	36.86	14500	45000
4	AVENAL	AVE	VOR/DME	VH	103.22	119.22	76.92	76.92	18000	45000
5	PALMDALE	PMD	VORTAC	H	295.06	310.06	35.58	35.58	14500	45000
6	LOS ANGELES	LAX	VORTAC	H	337.00	352.00	65.29	65.29	16000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
GMN	VORTAC	R-028	18	22900	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

GORMAN (FAC 2) AND SHAFTER (FAC 3) USED TO ESTABLISH FIX COORDINATES.
HIGH ALTITUDE ATC COORDINATION WAYPOINT FOR SUA AVOIDANCE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PADRZ (RNAV)			KCRQ	CARLSBAD	CA (US)
DP	PADRZ (RNAV)			KRNM	RAMONA	CA (US)
DP	PADRZ (RNAV)			KMYF	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)
DP	CHANNEL	3, 6		KSNA	SANTA ANA	CA (US)
DP	HHERO (RNAV)			KSNA	SANTA ANA	CA (US)
DP	IRVINE	2, 3, 6		KSNA	SANTA ANA	CA (US)
EN ROUTE	J5	2, 3, 6				(US)
EN ROUTE	J65	2, 3, 5				(US)
EN ROUTE	J50	1, 2, 3				CA (US)
EN ROUTE	J6	2, 4, 5				CA (US)
STAR	LEGOZ (RNAV)			KCRQ	CARLSBAD	CA (US)
STAR	ZIGGY	2, 3, 5		KCNO	CHINO	CA (US)
STAR	ZIGGY	2, 3, 5		KAJO	CORONA	CA (US)
STAR	ZIGGY	2, 3, 5		KEMT	EL MONTE	CA (US)
STAR	ZIGGY	2, 3, 5		KPOC	LA VERNE	CA (US)
STAR	LEGOZ (RNAV)			KNFG	OCEANSIDE	CA (US)
STAR	ZIGGY	2, 3, 5		KONT	ONTARIO	CA (US)
STAR	ZIGGY	2, 3, 5		KRAL	RIVERSIDE	CA (US)
STAR	ZIGGY	2, 3, 5		KSBD	SAN BERNARDINO	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 07/11/2024

REASON FOR REVISION:

REMOVED UNPLANNED HOLDING.
ADDED REQUIRED CHARTING, CONTROLLER HIGH.
FAC 1,3,4 CLASS CHANGED FROM H TO VH
FAC 3 MRA CHANGED FROM 16000 TO 14500

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: JANTZEN TAYLOR

APPROVED BY:

DATE: 07/11/2024

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: LEGOZ

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 332750.12N/1183555.57W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
LEGOZ (RNAV)
LEGOZ (RNAV)

FAC

PAT

AIRPORT IDENT
KCRQ
KNFG

CITY
CARLSBAD
OCEANSIDE

STATE
CA (US)
CA (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 03/02/2017

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 08/23/2016

OFFICE: AJV-5442

NAME: PATRICK MULQUEEN (JACOB MAXFIELD)

APPROVED BY:

DATE: 12/14/2016

OFFICE: AJV-5430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: NUGEE STATE: CA COUNTRY: US ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 340554.53N/1182735.77W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE						
STAR	LEGOZ (RNAV)			KCRQ	CARLSBAD	CA (US)
STAR	LEGOZ (RNAV)			KNFG	OCEANSIDE	CA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 02/01/2018

REASON FOR REVISION:

1. REMOVED "STAR FODRR (STAR) FAC 1,2 AT KCRQ, KNFG, AND KOKB" FROM FIX USE.
2. REMOVED DME FROM FIX TYPE.

THIS IS A CORRECTED COPY OF THE FORM DEVELOPED ON 09/29/2017

1. REMOVED LOS ANGELES (LAX) FROM FIX MAKE-UP FACILITIES.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE: 09/29/2017	OFFICE: AJV-5433	NAME: DAVID TEFFETELLER (KWEKU DONKOR)
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: OCEANSIDE VORTAC STATE: CA COUNTRY: US ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 331426.28N/1172503.79W 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	OCEANSIDE	OCN	VORTAC	VH						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	W	OCN	VORTAC	270.00	090.00	R	1	2000 14000	4 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	331742.00N/1172348.00W	945	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-2503 A,B, AND D.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: E15/1965.

FIX USE: USE TYPE

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	FALLBROOK (OBSTACLE)			L18	FALLBROOK	CA (US)
DP	LAXX			KLAX	LOS ANGELES	CA (US)
DP	BULLDOG (OBSTACLE)			KNFG	OCEANSIDE	CA (US)
DP	MUNN (OBSTACLE)			KNFG	OCEANSIDE	CA (US)
DP	OCEANSIDE (OBSTACLE)			KOKB	OCEANSIDE	CA (US)
DP	CATHEDRAL			KPSP	PALM SPRINGS	CA (US)
DP	FALCC			KSAN	SAN DIEGO	CA (US)
DP	PEBLE			KSAN	SAN DIEGO	CA (US)
DP	EL TORO			KSNA	SANTA ANA	CA (US)
DP	MUSEL			KSNA	SANTA ANA	CA (US)
EN ROUTE	J1					(US)
EN ROUTE	V165					(US)
EN ROUTE	V208					(US)
EN ROUTE	V23					(US)
EN ROUTE	V458					(US)
EN ROUTE	V597					(US)
IAP	ILS OR LOC RWY 24			KCRQ	CARLSBAD	CA (US)
IAP	ILS OR LOC RWY 24		1	KCRQ	CARLSBAD	CA (US)
IAP	RNAV (GPS) X RWY 24			KCRQ	CARLSBAD	CA (US)
IAP	VOR-A		1	KCRQ	CARLSBAD	CA (US)
IAP	COPTER TACAN RWY 21			KNFG	OCEANSIDE	CA (US)
IAP	RNAV (GPS) RWY 21			KNFG	OCEANSIDE	CA (US)
IAP	TACAN RWY 3			KNFG	OCEANSIDE	CA (US)
IAP	TACAN Z RWY 21			KNFG	OCEANSIDE	CA (US)
IAP	VOR/DME OR TACAN Y RWY 21			KNFG	OCEANSIDE	CA (US)
IAP	VOR-A		1	KOKB	OCEANSIDE	CA (US)
IAP	VOR/DME-A			KRNM	RAMONA	CA (US)
IAP	HI-TACAN Z RWY 32			KRIV	RIVERSIDE	CA (US)
IAP	ILS OR LOC RWY 28R			KMYF	SAN DIEGO	CA (US)
IAP	HI-TACAN Z RWY 24R			KNKX	SAN DIEGO	CA (US)
IAP	TACAN Y RWY 24R			KNKX	SAN DIEGO	CA (US)
IAP	ILS Y OR LOC Y RWY 9			KSAN	SAN DIEGO	CA (US)
IAP	ILS Z OR LOC Z RWY 9			KSAN	SAN DIEGO	CA (US)
IAP	LOC RWY 27			KSAN	SAN DIEGO	CA (US)
IAP	VOR OR TACAN-A			KSDM	SAN DIEGO	CA (US)
IAP	LOC-D			KSEE	SAN DIEGO/EL CAJON	CA (US)
STAR	SETER			KCNO	CHINO	CA (US)
STAR	SETER			KAJO	CORONA	CA (US)
STAR	SETER			KEMT	EL MONTE	CA (US)
STAR	KAYOH			KFUL	FULLERTON	CA (US)
STAR	SETER			KPOC	LA VERNE	CA (US)
STAR	KAYOH			KLGB	LONG BEACH	CA (US)
STAR	KAYOH			KSLL	LOS ALAMITOS	CA (US)
STAR	OCEAN			KLAX	LOS ANGELES	CA (US)
STAR	VISTA			KLAX	LOS ANGELES	CA (US)
STAR	SETER			KONT	ONTARIO	CA (US)
STAR	SETER			KRAL	RIVERSIDE	CA (US)
STAR	ARKOE			KRIV	RIVERSIDE	CA (US)
STAR	SETER			KSBD	SAN BERNARDINO	CA (US)
STAR	BARET			KNZY	SAN DIEGO	CA (US)

STAR	BARET	KSAN	SAN DIEGO	CA (US)
STAR	SHAMU	KSAN	SAN DIEGO	CA (US)
STAR	KAYOH	KSNA	SANTA ANA	CA (US)
STAR	KAYOH	KTOA	TORRANCE	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 24

DATE OF REVISION: 12/26/2024

REASON FOR REVISION:

RNAV (RNP) Z RWY 24 REMOVED FROM FIX USE

LEGOZ RNAV STAR (CRQ) REMOVED FROM FIX USE

LEGOZ RNAV STAR (OCEANSIDE) REMOVED FROM FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A33

NAME: NICHOLAS HEIDERSTADT

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A33

NAME: JOHN BORDY

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: PACIF

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 331709.19N/1174452.92W

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	FEET	MRA	MAA
1	MISSION BAY	MZB	VORTAC	H	303.99	318.99	40.06	40.06		3000	17500
2	SANTA CATALINA	SXC	VORTAC	L	083.80	098.80	34.20	34.20		3000	17500
3	OCEANSIDE	OCN	VORTAC	H	264.35	279.35	16.84	16.84		3000	17500
4	POMONA	POM	VORTAC	L	162.63	177.63	47.50	47.50		5000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
POM	VORTAC	R-163	48	5000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

MISSION BAY (FAC 1) AND OCEANSIDE (FAC 3) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	VITKO			KNKX	SAN DIEGO	CA (US)
EN ROUTE	V208	1, 2, 3, 4				(US)
EN ROUTE	V25	1, 2, 3, 4				(US)
EN ROUTE	V27	1, 2, 3, 4				(US)
EN ROUTE	V458	1, 2, 3, 4				(US)
IAP	RNAV (GPS) Y RWY 6			KCRQ	CARLSBAD	CA (US)
IAP	RNAV (RNP) Z RWY 6			KCRQ	CARLSBAD	CA (US)
IAP	RNAV (GPS) RWY 7			KOKB	OCEANSIDE	CA (US)
STAR	LEGOZ (RNAV)			KCRQ	CARLSBAD	CA (US)
STAR	LEGOZ (RNAV)			KNFG	OCEANSIDE	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 12/02/2021

REASON FOR REVISION:

1. UPDATED FIX TITLE FROM "GPS RWY 06" TO "RNAV (GPS) RWY 07" IN FIX USE TITLE.
2. ADDED CONTROLLER LOW TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 07/19/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: REBRG

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 355853.00N/1193653.00W

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	FRIANT	FRA	VORTAC	L	163.80	180.80	67.30	67.30		18000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FRA	VORTAC	R-164	68	18000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J7	1				(US)
EN ROUTE	Q9					(US)
STAR	ROKKR (RNAV)			KBUR	BURBANK	CA (US)
STAR	LEGOZ (RNAV)			KCRQ	CARLSBAD	CA (US)
STAR	IRNMN (RNAV)			KHHR	HAWTHORNE	CA (US)
STAR	PCIFC (RNAV)			KLGB	LONG BEACH	CA (US)
STAR	BAYST (RNAV)			KLAX	LOS ANGELES	CA (US)
STAR	IRNMN (RNAV)			KLAX	LOS ANGELES	CA (US)
STAR	ZUUMA (RNAV)			KLAX	LOS ANGELES	CA (US)
STAR	LEGOZ (RNAV)			KNFG	OCEANSIDE	CA (US)
STAR	OHSEA (RNAV)			KSNA	SANTA ANA	CA (US)
STAR	BONJO (RNAV)			KSMO	SANTA MONICA	CA (US)
STAR	ZUUMA (RNAV)			KSMO	SANTA MONICA	CA (US)
STAR	IVINS (RNAV)			KVNY	VAN NUYS	CA (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 12/26/2024

REASON FOR REVISION:

1. REQUIRED CHARTING: CHANGED CONTROLLER TO CONTROLLER HIGH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: MICHAEL GARRITY

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: RUKKI

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 335353.00N/1192559.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	LEGOZ (RNAV)			KCRQ	CARLSBAD	CA (US)
STAR	BAUBB (RNAV)			KLGB	LONG BEACH	CA (US)
STAR	DIRBY (RNAV)			KLAX	LOS ANGELES	CA (US)
STAR	LEGOZ (RNAV)			KNFG	OCEANSIDE	CA (US)
STAR	TILLT (RNAV)			KSNA	SANTA ANA	CA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 10/12/2017

REASON FOR REVISION:

ADDED LEGOZ (RNAV) STAR FOR KCRQ AND KNFG TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 05/03/2017

OFFICE: AJV-5433

NAME: SYLVAN DRAKES

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: SCANN

STATE: OP

COUNTRY: US

ICAO REGION CODE: P

LATITUDE/LONGITUDE: 334229.57N/1190246.05W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

STAR
STAR
STAR
STAR

USE TITLE

LEGOZ (RNAV)
BAUBB (RNAV)
LEGOZ (RNAV)
RUKKI (RNAV)

FAC

PAT

AIRPORT IDENT

KCRQ
KLGB
KNFG
KSNA

CITY

CARLSBAD
LONG BEACH
OCEANSIDE
SANTA ANA

STATE

CA (US)
CA (US)
CA (US)
CA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 12/26/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: STEVEN DOUGHERTY

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A421

NAME: DAVID DANNER

SIGNATURE:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TANDY

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 334447.67N/1183929.06W

TYPE: WP, RADAR, 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	FEET	MRA	MAA
1	SEAL BEACH	SLI	VORTAC	L	251.00	266.00	30.26	30.26		3000	17500
2	FILLMORE	FIM	VORTAC	L	148.00	163.00	38.20	38.20		3000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

SEAL BEACH (FAC 1) AND FILLMORE (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ZILLI (RNAV)			KLAX	LOS ANGELES	CA (US)
EN ROUTE	V8	1, 2				(US)
IAP	RNAV (GPS) RWY 7			KHHR	HAWTHORNE	CA (US)
STAR	LEGOZ (RNAV)			KCRQ	CARLSBAD	CA (US)
STAR	PCIFC (RNAV)			KLGB	LONG BEACH	CA (US)
STAR	TANDY	1, 2		KLGB	LONG BEACH	CA (US)
STAR	BASET	1, 2		KLAX	LOS ANGELES	CA (US)
STAR	LEGOZ (RNAV)			KNFG	OCEANSIDE	CA (US)
STAR	OHSEA (RNAV)			KSNA	SANTA ANA	CA (US)
STAR	TANDY	1, 2		KSNA	SANTA ANA	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

1. REMOVED LEENA STAR FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: MICHAEL GARRITY

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: TCUPS

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 340431.05N/1194709.64W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	LEGOZ (RNAV)			KCRQ	CARLSBAD	CA (US)
STAR	BAUBB (RNAV)			KLGB	LONG BEACH	CA (US)
STAR	DIRBY (RNAV)			KLAX	LOS ANGELES	CA (US)
STAR	LEGOZ (RNAV)			KNFG	OCEANSIDE	CA (US)
STAR	TILLT (RNAV)			KSNA	SANTA ANA	CA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 10/12/2017

REASON FOR REVISION:

ADDED LEGOZ (RNAV) STAR FOR KCRQ AND KNFG TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 05/03/2017

OFFICE: AJV-5433

NAME: SYLVAN DRAKES

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: TILLT

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 352713.22N/1210003.51W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	LEGOZ (RNAV)			KCRQ	CARLSBAD	CA (US)
STAR	BAUBB (RNAV)			KLGB	LONG BEACH	CA (US)
STAR	DIRBY (RNAV)			KLAX	LOS ANGELES	CA (US)
STAR	LEGOZ (RNAV)			KNFG	OCEANSIDE	CA (US)
STAR	TILLT (RNAV)			KSNA	SANTA ANA	CA (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 10/12/2017

REASON FOR REVISION:

ADDED LEGOZ (RNAV) STAR FOR KCRQ AND KNFG TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 05/03/2017

OFFICE: AJV-5433

NAME: SYLVAN DRAKES

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: WURLL

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 344133.87N/1201636.17W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	LEGOZ (RNAV)			KCRQ	CARLSBAD	CA (US)
STAR	BAUBB (RNAV)			KLGB	LONG BEACH	CA (US)
STAR	DIRBY (RNAV)			KLAX	LOS ANGELES	CA (US)
STAR	LEGOZ (RNAV)			KNFG	OCEANSIDE	CA (US)
STAR	TILLT (RNAV)			KSNA	SANTA ANA	CA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 10/12/2017

REASON FOR REVISION:

ADDED LEGOZ (RNAV) STAR FOR KCRQ AND KNFG TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 05/03/2017

OFFICE: AJV-5433

NAME: SYLVAN DRAKES

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: ZIPRR

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 350244.53N/1203342.86W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	LEGOZ (RNAV)			KCRQ	CARLSBAD	CA (US)
STAR	BAUBB (RNAV)			KLGB	LONG BEACH	CA (US)
STAR	DIRBY (RNAV)			KLAX	LOS ANGELES	CA (US)
STAR	LEGOZ (RNAV)			KNFG	OCEANSIDE	CA (US)
STAR	TILLT (RNAV)			KSNA	SANTA ANA	CA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 10/12/2017

REASON FOR REVISION:

ADDED LEGOZ (RNAV) STAR FOR KCRQ AND KNFG TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 05/03/2017

OFFICE: AJV-5433

NAME: SYLVAN DRAKES

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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