

RADIO FIX AND HOLDING DATA RECORD

NAME: JULIAN VORTAC

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 330825.65N/1163509.37W

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	JULIAN	JLI	VORTAC	VL						45000

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	NE	JLI	VORTAC	060.00	240.00	L	1		7700 14000	8 10
2	SE	JLI	VORTAC	122.91	302.91	R	1 1/2		21000 27000	18 21
3	E	JLI	VORTAC	108.49	288.49	L	1 1/2		18000 45000	16 29
4	NE		WP	065.00	245.00	L		7	7700 14000	9 11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	330307.30N/1162840.80W	5833	4D
4	230	AAO	330307.30N/1162840.80W	5833	4D

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	375
4	230	375

REASON FOR NONSTANDARD HOLDING:

PAT 1 TERRAIN
PAT 3 ATC REQUEST
PAT 4 TERRAIN

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.
HOLDING PAT 3 ABOVE 26,000 REQUIRES PRIOR COORDINATION WITH CONTROLLING AGENCY FOR HOLDING OVER R-2510B.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
JLI VORTAC MAG VAR: 1965/E15.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LAXX			KLAX	LOS ANGELES	CA (US)
DP	NIKKL			KONT	ONTARIO	CA (US)
DP	SKYES			KRIV	RIVERSIDE	CA (US)
DP	LAKEE			KNKX	SAN DIEGO	CA (US)
DP	VITKO			KNKX	SAN DIEGO	CA (US)
DP	BORDER			KSAN	SAN DIEGO	CA (US)
DP	FALCC			KSAN	SAN DIEGO	CA (US)
DP	SAYOW (RNAV)			KSAN	SAN DIEGO	CA (US)
DP	EL TORO			KSNA	SANTA ANA	CA (US)
EN ROUTE	J93					(US)
EN ROUTE	V208					(US)
EN ROUTE	V458					(US)
EN ROUTE	V460					(US)
EN ROUTE	V514					(US)
IAP	ILS OR LOC RWY 24			KCRQ	CARLSBAD	CA (US)
IAP	RNAV (GPS) Y RWY 24			KCRQ	CARLSBAD	CA (US)
IAP	RNAV (RNP) Z RWY 24			KCRQ	CARLSBAD	CA (US)
IAP	RNAV (RNP) Z RWY 6			KCRQ	CARLSBAD	CA (US)
IAP	RNAV (GPS)-B		4	KRNM	RAMONA	CA (US)
IAP	VOR/DME-A		1	KRNM	RAMONA	CA (US)
IAP	HI-VOR Z RWY 32		2	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	ILS Y OR LOC/DME Y RWY 24R			KNKX	SAN DIEGO	CA (US)
IAP	ILS Z OR LOC/DME Z RWY 24R			KNKX	SAN DIEGO	CA (US)
IAP	RNAV (GPS) RWY 24L			KNKX	SAN DIEGO	CA (US)
IAP	RNAV (GPS) RWY 24R			KNKX	SAN DIEGO	CA (US)
IAP	TACAN Y RWY 24R			KNKX	SAN DIEGO	CA (US)
IAP	LOC-D			KSEE	SAN DIEGO/EL CAJON	CA (US)
STAR	SETER		3	KCNO	CHINO	CA (US)
STAR	SETER		3	KAJO	CORONA	CA (US)
STAR	SETER		3	KEMT	EL MONTE	CA (US)
STAR	SETER		3	KPOC	LA VERNE	CA (US)
STAR	BASET		3	KLAX	LOS ANGELES	CA (US)
STAR	OCEAN		3	KLAX	LOS ANGELES	CA (US)

QUALITY
32
CHECKED

STAR	SEAVU		KLAX	LOS ANGELES	CA (US)
STAR	VISTA	3	KLAX	LOS ANGELES	CA (US)
STAR	SETER	3	KONT	ONTARIO	CA (US)
STAR	SETER	3	KRAL	RIVERSIDE	CA (US)
STAR	ARKOE		KRIV	RIVERSIDE	CA (US)
STAR	SETER	3	KSBD	SAN BERNARDINO	CA (US)
STAR	BARET		KNZY	SAN DIEGO	CA (US)
STAR	BARET		KSAN	SAN DIEGO	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 24

DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: CHANGED FAC 1 (JLI) CLASS FROM L TO VL.

FIX USE: ADDED KNKX ILS Z OR LOC/DME Z RWY 24R. CHANGED KNKX HI TACAN RWY 24R TO HI TACAN Z RWY 24R. CHANGED KNKX TACAN RWY 24R TO TACAN Y RWY 24R. CHANGED KNKX ILS OR LOC/DME RWY 24R TO ILS Y OR LOC/DME Y RWY 24R. CHANGED KLAX BASET (RNAV) TO BASET.

REQUIRED CHARTING: ADDED MILITARY DP.

09/25/23: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 09/06/23.

1. CHANGED HOLDING PAT 2 RAD/CRS/BRG FROM 122.38 TO 122.91.

2. CHANGED HOLDING PAT 2 CRS INBOUND FROM 302.38 TO 302.91.

3. ADDED HOLDING PAT 2 MIN TEMPLATE 18.

4. ADDED HOLDING PAT 3 MIN TEMPLATE 16.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 01/25/2024

OFFICE: AJV-A423

NAME: MICHAEL GARRITY

SIGNATURE: *Digitally signed by*

MICHAEL GARRITY

Sep 27, 2023



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:** MODIFY

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 TIME	LENGTH 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	TAKEOFF MINIMUMS			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		1	KCRQ	CARLSBAD	CA (US)
IAP	RNAV (GPS) X RWY 24			KCRQ	CARLSBAD	CA (US)
IAP	RNAV (RNP) Z 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	LEGOZ (RNAV)			KCRQ	CARLSBAD	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			KSLI	LOS ALAMITOS	CA (US)
STAR	OCEAN			KLAX	LOS ANGELES	CA (US)
STAR	VISTA			KLAX	LOS ANGELES	CA (US)
STAR	LEGOZ (RNAV)			KNFG	OCEANSIDE	CA (US)
STAR	SETER			KONT	ONTARIO	CA (US)
STAR	SETER			KRAL	RIVERSIDE	CA (US)
STAR	ARKOE			KRIV	RIVERSIDE	CA (US)

QUALITY
32
CHECKED

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: 22

DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: CHANGED FAC 1 (OCN) CLASS FROM H TO VH.

FIX USE: FIX USE: REFORMATTED ALL VICTOR AIRWAYS INTO SEPARATE ENTRIES. ADDED L18 FALLBROOK (OBSTACLE) DP. CHANGED KSAN ILS OR LOC RWY 9 TO ILS Y OR LOC Y RWY 9. ADDED KSAN ILS Z OR LOC Z RWY 9. ADDED KSDM VOR OR TACAN-A. ADDED KSEE LOC-D. CHANGED KNFG TACAN RWY 21 TO TACAN Z RWY 21. CHANGED KNKX HI TACAN RWY 24R TO HI TACAN Z RWY 24R. CHANGED KNKX TACAN RWY 24 TO TACAN Y RWY 24R. CHANGED KCRQ ILS OR LOC/DME RWY 24 TO ILS OR LOC RWY 24. REMOVED L18 TAKEOFF MINIMUMS AND KNFG BEACH DP. ADDED (OBSTACLE) TO KNFG BULLDOG AND MUNN DP(S). ADDED KRIV HI-TACAN Z RWY 32. ADDED KNZY BARET STAR. ADDED SETER STAR TO KCNO, KAJO, KEMT, KPOC, KRAL AND KSBD. ADDED KAYOH STAR TO KSNA, KSLI, KFUL AND KTOA.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 01/25/2024

OFFICE: AJV-A423

NAME: MICHAEL GARRITY

SIGNATURE: *Digitally signed by*

MICHAEL GARRITY

Sep 27, 2023

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: VISTA

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 331308.66N/1171404.19W

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	OCEANSIDE	OCN	VORTAC	VH	082.92	097.92	9.31	9.31	3000	17500
2	MISSION BAY	MZB	VORTAC	VH	344.00	359.00		26.17	8000	17500
3	CAMP PENDLETON	NFG	TACAN	T	100.47	113.47	8.33	8.33	2000	12000

FIX RESTRICTIONS:

MCA V208 5000 EASTBOUND
MCA V458 5000 EASTBOUND
MRA V208 8000
MRA V458 8000

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	E	OCN	VORTAC	082.92	262.92	L	1		4000	14000	5	11
2	E	OCN	VORTAC	082.92	262.92	L	1		5000	8000	4	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	331212.00N/1170357.00W	2287	4E
2	175	AAO	331212.00N/1170357.00W	2287	4E
2	230	AAO	331212.00N/1170357.00W	2287	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	FALLBROOK (OBSTACLE)	L18	FALLBROOK	CA (US)

REMARKS:

OCEANSIDE (FAC 1) AND MISSION BAY (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PATTERN 2 CHART 175 KT ICON.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL DP	HEBIT (RNAV)			6CA7	ESCONDIDO	CA (US)
SPECIAL IAP	COPTER RNAV (GPS) 17			6CA7	ESCONDIDO	CA (US)
DP	FALLBROOK (OBSTACLE)	1, 2	2	L18	FALLBROOK	CA (US)
DP	BULLDOG (OBSTACLE)	1, 2, 3		KNFG	OCEANSIDE	CA (US)
EN ROUTE	V208	1, 2				(US)
EN ROUTE	V458	1, 2				(US)
IAP	RNAV (GPS) X RWY 24			KCRQ	CARLSBAD	CA (US)
IAP	VOR-A	1, 2	1	KOKB	OCEANSIDE	CA (US)
STAR	OCEAN	1, 2		KLAX	LOS ANGELES	CA (US)
STAR	VISTA	1, 2		KLAX	LOS ANGELES	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16

DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: CHANGED FAC 1 (OCN) AND FAC 2 (MZB) CLASS FROM H TO VH. CHANGED FAC 2 (MZB) MRA FROM 3000 TO 8000 - FACILITY RESTRICTION.
FIX RESTRICTIONS: ADDED V208 AND V458 MRA 8000. MOVED HOLDING LIMITED TO ESTABLISHED PATTERNS TO HOLDING RESTRICTIONS. MOVED PATTERN 2 CHART 175 KT ICON TO REMARKS.
FIX USE: REFORMATTED V208 AND V458 INTO SEPARATE ENTRIES. CHANGED L18 FALLBROOK DP TO FALLBROOK (OBSTACLE) DP. CHANGED KNFG BULLDOG DP TO BULLDOG (OBSTACLE) DP. REMOVED KNFG FOSS LAKE DP.
REQUIRED CHARTING: ADDED CONTROLLER LOW AND MILITARY DP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

QUALITY
32
CHECKED

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 01/25/2024

OFFICE: AJV-A423

NAME: MICHAEL GARRITY

SIGNATURE:

Digitally signed by

MICHAEL GARRITY

Sep 27, 2023

