

RADIO FIX AND HOLDING DATA RECORD

INFO

NAME: SANTA CATALINA VORTAC

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 332230.20N/1182511.68W

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	SANTA CATALINA	SXC	VORTAC	L							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	N	SXC	VORTAC	340.00	160.00	R	1-1 1/2	4000 17000	4 16
2	E	SXC	VORTAC	084.35	264.35	R	1-1 1/2	4000 17000	4 16
3	S	SXC	VORTAC	195.00	015.00	L	1	3400 6000	4 5
4	W	SXC	VORTAC	287.00	107.00	L	1	4000 14000	4 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	332226.50N/1182502.90W	2350	6A
2	200	AAO	332226.50N/1182502.90W	2350	6A
3	200	AAO	332226.50N/1182502.90W	2350	6A
4	200	AAO	332226.50N/1182502.90W	2350	6A

REASON FOR NONSTANDARD HOLDING:

PAT 3 GREATEST AVOIDANCE OF W-291

PAT 4 GREATEST AVOIDANCE OF W-291

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER W-291 FOR AIRCRAFT ABOVE 6000 (PAT 1), AIRCRAFT ABOVE 14000 (PAT 2), ALL ALTITUDES (PAT 3), AND AIRCRAFT ABOVE 12000 (PAT 4).

REMARKS:

PATS 1 AND 2 FOR ATC USE ONLY.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CATALINA			KLAX	LOS ANGELES	CA (US)
DP	LAXX			KLAX	LOS ANGELES	CA (US)
DP	COAST			KOAK	OAKLAND	CA (US)
DP	DOYLE			KNTD	OXNARD	CA (US)
DP	VITKO			KNKX	SAN DIEGO	CA (US)
DP	FALCC			KSAN	SAN DIEGO	CA (US)
DP	PEBLE			KSAN	SAN DIEGO	CA (US)
DP	OFFSHORE			KSFO	SAN FRANCISCO	CA (US)
DP	CHANNEL			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	SANTA BARBARA			KSBA	SANTA BARBARA	CA (US)
EN ROUTE	V208					(US)
EN ROUTE	V21					(US)
EN ROUTE	V27					(US)
EN ROUTE	V458					(US)
IAP	VOR OR GPS-A		3	KAVX	AVALON	CA (US)
IAP	VOR/DME OR GPS-B		3	KAVX	AVALON	CA (US)
IAP	TACAN Y OR VOR/DME RWY 3			KNTD	OXNARD	CA (US)
STAR	FODRR			KCRQ	CARLSBAD	CA (US)
STAR	TANDY			KLGB	LONG BEACH	CA (US)
STAR	BUFIE (RNAV)			KLAX	LOS ANGELES	CA (US)
STAR	LEENA		4	KLAX	LOS ANGELES	CA (US)
STAR	OCEAN			KLAX	LOS ANGELES	CA (US)
STAR	SHIVE			KLAX	LOS ANGELES	CA (US)
STAR	BAYVU (RNAV)			KSAN	SAN DIEGO	CA (US)
STAR	HUBRD			KSAN	SAN DIEGO	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: 9

DATE OF REVISION: 09/15/2016

QUALITY
3
CHECKED

REASON FOR REVISION:

UPDATED FIX USE, REMOVED LNSAY DP, ADDED FALCC DP (KSAN).

INFO

DEVELOPED BY: **DATE:** 03/09/2016 **OFFICE:** AJV-5432 **NAME:** PHILLIP BRANDENBURG
APPROVED BY: **DATE:** **OFFICE:** AJV-5430 **NAME:** LONNIE EVERHART
SIGNATURE:

DISTRIBUTION: **NFDC**
 FPO: WST
 ARTCC: ZLA
 ATC FACILITY:
 OTHER: SOCAL TRACON

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SEAL BEACH VORTAC STATE: CA COUNTRY: US ICAO REGION CODE: K2
 LATITUDE/LONGITUDE: 334659.87N/1180317.12W 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	L							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	1-1 1/2	2600 17500	4 16
2	SE	SLI	VORTAC	120.00	300.00	L	1-1 1/2	1500 17500	4 16
3	S	SLI	VORTAC	171.00	351.00	L	1-1 1/2	1800 17500	4 16
4	NE	WP	WP	058.00	238.00	L		2600 12000	5 10
5	SE	WP	WP	122.00	302.00	L		2600 14000	5 11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	AAO	335421.00N/1175742.00W	804	4E
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)	335246.80N/1180049.66W	750	4D
4	200	BLDG (06-000442)	334652.00N/1175336.00W	475	1D
5	200	TOWER (06-002478)	334725.60N/1180855.10W	337	2C

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
 PAT 2 ATC REQUEST
 PAT 3 ATC REQUEST
 PAT 4 ATC REQUEST
 PAT 5 ATC REQUEST

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 1900.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RADAR 2	KSLI	LOS ALAMITOS	CA (US)
1	RADAR 3	KSLI	LOS ALAMITOS	CA (US)
3	TAKEOFF MINIMUMS	KFUL	FULLERTON	CA (US)
3	TAKEOFF MINIMUMS	KSNA	SANTA ANA	CA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ELMOO			KBUR	BURBANK	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	ALBACOR			KSLI	LOS ALAMITOS	CA (US)
DP	TAKEOFF MINIMUMS			KSLI	LOS ALAMITOS	CA (US)
DP	CATALINA			KLAX	LOS ANGELES	CA (US)
DP	GABRE			KLAX	LOS ANGELES	CA (US)
DP	LAXX			KLAX	LOS ANGELES	CA (US)
DP	OSHNN (RNAV)			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	FALCC			KSAN	SAN DIEGO	CA (US)
DP	PEBLE			KSAN	SAN DIEGO	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	PEVEE (RNAV)			KSMO	SANTA MONICA	CA (US)
DP	ADAMM			KVNY	VAN NUYS	CA (US)
EN ROUTE	J134					(US)
EN ROUTE	J169					(US)

QUALITY
3
CHECKED

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	V394			(US)	
EN ROUTE	V459			(US)	
EN ROUTE	V597			(US)	
EN ROUTE	V64			(US)	
EN ROUTE	V8			(US)	
IAP	NDB OR GPS-C		KEMT	EL MONTE	CA (US)
IAP	VOR OR GPS-A		KEMT	EL MONTE	CA (US)
IAP	VOR/DME OR GPS-B		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 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	ILS OR LOC RWY 30		KLGB	LONG BEACH	CA (US)
IAP	RNAV (GPS) Z RWY 30		KLGB	LONG BEACH	CA (US)
IAP	VOR OR TACAN RWY 30	2	KLGB	LONG BEACH	CA (US)
IAP	NDB RWY 22L		KSLI	LOS ALAMITOS	CA (US)
IAP	RADAR 2	1	KSLI	LOS ALAMITOS	CA (US)
IAP	RADAR 3	1	KSLI	LOS ALAMITOS	CA (US)
IAP	VOR OR TACAN RWY 22L		KSLI	LOS ALAMITOS	CA (US)
IAP	ILS OR LOC RWY 06L		KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 06R		KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 07L		KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 07R		KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 24L		KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 24R		KLAX	LOS ANGELES	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 RWY 24R (CAT II)		KLAX	LOS ANGELES	CA (US)
IAP	ILS RWY 24R (CAT III)		KLAX	LOS ANGELES	CA (US)
IAP	ILS RWY 25L (CAT II)		KLAX	LOS ANGELES	CA (US)
IAP	ILS RWY 25L (CAT III)		KLAX	LOS ANGELES	CA (US)
IAP	RNAV (GPS) RWY 25R		KLAX	LOS ANGELES	CA (US)
IAP	RNAV (GPS) Y RWY 24L		KLAX	LOS ANGELES	CA (US)
IAP	RNAV (GPS) Y RWY 24R		KLAX	LOS ANGELES	CA (US)
IAP	RNAV (GPS) Y RWY 25L		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	LDA/DME 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	VOR OR GPS-A		KSMO	SANTA MONICA	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)
OTHER	ARSENAL VISUAL RWY 30		KLAX	LOS ANGELES	CA (US)
STAR	FERNANDO		KBUR	BURBANK	CA (US)
STAR	FODRR		KCRQ	CARLSBAD	CA (US)
STAR	KAYOH		KFUL	FULLERTON	CA (US)
STAR	KAYOH		KLGB	LONG BEACH	CA (US)
STAR	TANDY		KLGB	LONG BEACH	CA (US)
STAR	KAYOH		KSLI	LOS ALAMITOS	CA (US)
STAR	BASET		KLAX	LOS ANGELES	CA (US)
STAR	BUFIE (RNAV)		KLAX	LOS ANGELES	CA (US)
STAR	DOWNE		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	REDEYE		KLAX	LOS ANGELES	CA (US)
STAR	SHIVE		KLAX	LOS ANGELES	CA (US)
STAR	VISTA		KLAX	LOS ANGELES	CA (US)
STAR	KAYOH		KSNA	SANTA ANA	CA (US)
STAR	KIMMO		KSMO	SANTA MONICA	CA (US)
STAR	KAYOH		KTOA	TORRANCE	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 23

DATE OF REVISION: 11/10/2016

QUALITY
3
CHECKED

REASON FOR REVISION:

ADDED RNAV (RNP) Z RWY 2L AT KSNA USING HOLDING PAT 5 TO FIX USE.
CHANGED RNAV (GPS) RWY 2L AT KSNA TO RNAV (GPS) Y RWY 2L.
ADDED KAYOH STAR AT KFUL, KSNA, KTOA, AND KSLI IN FIX USE.

DEVELOPED BY:	DATE: 04/12/2016	OFFICE: AJV-5413	NAME: DAVID DANNER
APPROVED BY:	DATE:	OFFICE: AJV-5430	NAME: LONNIE EVERHART
	<i>Digitally signed by</i>		
	SIGNATURE: JOHNNIE BAKER		
DISTRIBUTION:	Aug 19, 2016		
	NFDC		
	FPO: WST		
	ARTCC: ZLA		
	ATC FACILITY: SOCAL TRACON		
	OTHER: SNA ATCT, SLI ATCT, HHR ATCT, FUL ATCT, USAASA		

QUALITY
3
CHECKED