

RADIO FIX AND HOLDING DATA RECORD

NAME: AERRO

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 341919.37N/1170220.21W

TYPE: WP, DME

AIRSPACE DOCKET: N

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	PALMDALE	PMD	VORTAC	VH	094.74	109.74	54.11	54.11		18000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SLAPP (RNAV)			BUR	BURBANK	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HARYS (RNAV)			VNY	VAN NUYS	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)
EN ROUTE	J65	1				(US)

REQUIRED CHARTING: DP, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. DELETED "PSP" AND ADDED "PMD" IN FIX MAKE-UP FACILITIES -- CHARTED ON COURSE FACILITY FOR J65.
2. DELETED REMARK "PALM SPRINGS (FAC 1) USED TO ESTABLISH FIX COORDINATES".
3. DELETED "CONTROLLER" AND ADDED "CONTROLLER HIGH" IN REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A421

NAME: TARA MARTINELLI

SIGNATURE:

QUALITY
20
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CSTRO

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 352652.66N/1191407.00W

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
DP	OROSZ (RNAV)			BUR	BURBANK	CA (US)
DP	TOPMM (RNAV)			LGB	LONG BEACH	CA (US)
DP	LADYJ (RNAV)			LAX	LOS ANGELES	CA (US)
DP	WNNDY (RNAV)			LAX	LOS ANGELES	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	CTRUS (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)
DP	WLKKR (RNAV)			VNY	VAN NUYS	CA (US)

REQUIRED CHARTING: DP, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. DELETED "CONTROLLER" AND ADDED "CONTROLLER HIGH" IN REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A421

NAME: TARA MARTINELLI

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: DARTS

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 340921.77N/1181610.54W

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	VAN NUYS	VNY	VOR/DME	VL	095.00	110.00	11.77	11.77	5000	17500
2	SEAL BEACH	SLI	VORTAC	VL	319.41	334.41	24.77	24.77	6000	17500
3	SANTA MONICA	SMO	VOR/DME	VL	031.83	046.83	12.78	12.78	5000	17500
4	PARADISE	PDZ	VORTAC	VH	276.32	291.32	39.53	39.53	5000	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	NW	SLI	VORTAC	319.41	139.41	L		10	9000	13000	13	13
2	W	VNY	VOR/DME	095.00	095.00	R	1		6600	7100	9	9
3	W	WP	WP	288.00	108.00	R		5	5000	6000	6	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	342240.90N/1181034.80W	6760	6A
2	230	AAO	341609.00N/1181424.00W	5276	4E
2	310	AAO	341609.00N/1181424.00W	5276	4E
3	175	AAO	341527.00N/1181357.00W	4426	4B
3	200	AAO	341527.00N/1181357.00W	4426	4B

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	357
2	230	139
2	310	271
3	200	290
3	175	290

REASON FOR NONSTANDARD HOLDING:

PAT 1 AVOID OUTBOUND TRAFFIC PATTERN ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S).

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	TAKE-OFF MINIMUMS	VNY	VAN NUYS	CA (US)
3	RNAV (GPS) Z RWY 3	SMO	SANTA MONICA	CA (US)

REMARKS:

VAN NUYS (FAC 1) AND SANTA MONICA (FAC 3) USED TO ESTABLISH FIX COORDINATES.
 PATTERN 1, 10 DME LEGS LENGTH BY ATC REQUEST. PATTERN EVALUATED WITH TEMPLATE 13 TO ENSURE 10 DME COVERAGE.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 PAT 2 230K OBSTACLE LOCATED 11944 FT INTO SECONDARY AREA - PRIMARY EQUIVALENT VALUE 4285.
 CONTROLLING OBSTACLE FOR PAT 3 LOCATED 996 FT INTO SECONDARY AREA, EQUIVALENT ELEVATION IS 3630 FT.
 DO NOT CHART FIX MAKE-UP FROM FAC 4 PARADISE (PDZ) ON ENROUTE LOW.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKE-OFF MINIMUMS	1, 2		BUR	BURBANK	CA (US)
DP	ANAHEIM	1, 2		FUL	FULLERTON	CA (US)
DP	ANAHEIM	1, 2		LGB	LONG BEACH	CA (US)
DP	ANAHEIM	1, 2		SNA	SANTA ANA	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	SANTA MONICA (RNAV)			SMO	SANTA MONICA	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	TAKE-OFF MINIMUMS	1, 3	2	VNY	VAN NUYS	CA (US)
EN ROUTE	V186	1, 2				(US)
EN ROUTE	V459	1, 2				(US)
EN ROUTE	V597	1, 2				(US)
IAP	RNAV (GPS)-B			EMT	EL MONTE	CA (US)
IAP	RNAV (RNP) Z RWY 24R			LAX	LOS ANGELES	CA (US)
IAP	RNAV (GPS) RWY 21			SMO	SANTA MONICA	CA (US)
IAP	RNAV (GPS) Z RWY 3		3	SMO	SANTA MONICA	CA (US)
IAP	VOR -A	1, 3		SMO	SANTA MONICA	CA (US)
STAR	FERNANDO	1, 2, 3, 4		BUR	BURBANK	CA (US)
STAR	KIMMO	1, 2	1	LAX	LOS ANGELES	CA (US)
STAR	KIMMO	1, 2	1	SMO	SANTA MONICA	CA (US)

QUALITY
20
CHECKED

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. VNY, SLI AND SMP CLASS CHANGED FROM "L" TO "VL" IN FIX MAKE-UP FACILITIES.
2. PDZ CLASS CHANGED FROM "H" TO "VH" IN FIX MAKE-UP FACILITIES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A421

NAME: TARA MARTINELLI

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: DECAS

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 334924.93N/1152723.80W

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	MRA	MAA
1	PALM SPRINGS	PSP	VORTAC	L	080.00	093.00	48.71	48.71	26000	45000
2	BLYTHE	BLH	VORTAC	VH	277.57	291.57	37.38	37.38	11000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
PSP	VORTAC	R-080	49	26000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

PALM SPRINGS (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BUCKEYE	1, 2		PHX	PHOENIX	AZ (US)
DP	SLAPP (RNAV)			BUR	BURBANK	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	HARYS (RNAV)			VNY	VAN NUYS	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)
EN ROUTE	J212	1				(US)
EN ROUTE	J65	2				(US)
STAR	CLOWD	2		PSP	PALM SPRINGS	CA (US)
STAR	SBONO	2		PSP	PALM SPRINGS	CA (US)
STAR	CLOWD	2		TRM	PALM SPRINGS	CA (US)
STAR	SBONO	2		TRM	PALM SPRINGS	CA (US)
STAR	CLOWD	2		UDD	PALM SPRINGS	CA (US)
STAR	SBONO	2		UDD	PALM SPRINGS	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. CHANGED PSP MRA FROM "10000" TO "26000" IN FIX MAKE-UP FACILITIES.
2. BLH CLASS CHANGED FROM "H" TO "VH" IN FIX MAKEUP FACILITIES.
3. CHANGED BLH MRA FROM "10000" TO "11000" IN FIX MAKE-UP FACILITIES.
4. ADDED PSP ESV.
5. DELETED REMARK "ESV FOR PALM SPRINGS VORTAC AND BLYTHE VORTAC ON FILE FOR 45000".
6. ADD FAC 1 AND FAC 2 TO DP BUCKEYE AT PHX IN FIX USE.
7. ADDED STARS CLOWD AND SBONO AT TRM AND UDD IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A421

NAME: TARA MARTINELLI

SIGNATURE:

QUALITY
20
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FILLMORE VORTAC STATE: CA COUNTRY: US ICAO REGION CODE: K2
 LATITUDE/LONGITUDE: 342124.10N/1185252.65W 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	FILLMORE	FIM	VORTAC	VL							45000

FIX RESTRICTIONS:

MCA V107 7500 NORTHWEST BOUND
 MCA V299 7200 NORTHBOUND
 MCA V386 6100 WESTBOUND
 MCA V597 6100 WESTBOUND

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	S	FIM	VORTAC	195.08	015.08	R	1		6000	10000	5	9
2	NW	FIM	VORTAC	310.33	130.33	R	1		11000	41000	9	28

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	342154.00N/1184645.00W	3091	4E
1	310	AAO	342839.00N/1185154.00W	4685	4E
2	230	AAO	343045.10N/1190427.60W	6916	6A

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	200	131
1	310	308
2	230	375

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	CAMARILLO	OXR	OXNARD	CA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAGVAR 15E/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	OILDALE			BFL	BAKERSFIELD	CA (US)
DP	VAN NUYS			BUR	BURBANK	CA (US)
DP	ANAHEIM			FUL	FULLERTON	CA (US)
DP	ANAHEIM			LGB	LONG BEACH	CA (US)
DP	CHATY			LAX	LOS ANGELES	CA (US)
DP	CAMARILLO		1	OXR	OXNARD	CA (US)
DP	SKIFF			OXR	OXNARD	CA (US)
DP	BASEC			SNS	SALINAS	CA (US)
DP	SALINAS			SNS	SALINAS	CA (US)
DP	ANAHEIM			SNA	SANTA ANA	CA (US)
DP	KWANG			SBA	SANTA BARBARA	CA (US)
DP	SANTA BARBARA			SBA	SANTA BARBARA	CA (US)
DP	CHOII (RNAV)			SMO	SANTA MONICA	CA (US)
DP	TAKEOFF MINIMUMS			SMO	SANTA MONICA	CA (US)
DP	TOPANGA (OBSTACLE)			SMO	SANTA MONICA	CA (US)
DP	CANOGA			VNY	VAN NUYS	CA (US)
DP	HAYEZ (RNAV)			VNY	VAN NUYS	CA (US)
DP	NEWHALL			VNY	VAN NUYS	CA (US)
EN ROUTE	J1		2			(US)
EN ROUTE	J7		2			(US)
EN ROUTE	T263					(US)
EN ROUTE	V107		2			(US)
EN ROUTE	V186					(US)
EN ROUTE	V299					(US)
EN ROUTE	V326					(US)
EN ROUTE	V386					(US)
EN ROUTE	V518					(US)
EN ROUTE	V597					(US)
IAP	FOUR STACKS VISUAL RWY 15			BUR	BURBANK	CA (US)
IAP	ILS Y OR LOC Y RWY 8			BUR	BURBANK	CA (US)

QUALITY
20
CHECKED

IAP	ILS Z OR LOC Z RWY 8	BUR	BURBANK	CA (US)
IAP	VOR RWY 8	BUR	BURBANK	CA (US)
IAP	VOR RWY 26	CMA	CAMARILLO	CA (US)
IAP	ILS OR LOC RWY 24L	LAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 24R	LAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 6L	LAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 6R	LAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 7L	LAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 7R	LAX	LOS ANGELES	CA (US)
IAP	ILS RWY 24R (CAT II & III)	LAX	LOS ANGELES	CA (US)
IAP	RNAV (GPS) Y RWY 6L	LAX	LOS ANGELES	CA (US)
IAP	RNAV (GPS) Y RWY 6R	LAX	LOS ANGELES	CA (US)
IAP	RNAV (GPS) Y RWY 7L	LAX	LOS ANGELES	CA (US)
IAP	RNAV (GPS) Y RWY 7R	LAX	LOS ANGELES	CA (US)
IAP	RNAV (GPS) RWY 12	WHP	LOS ANGELES	CA (US)
IAP	VOR-A	WHP	LOS ANGELES	CA (US)
IAP	TACAN RWY 21	NTD	OXNARD	CA (US)
IAP	ILS OR LOC RWY 25	OXR	OXNARD	CA (US)
IAP	VOR RWY 25	OXR	OXNARD	CA (US)
IAP	ILS OR LOC RWY 21	NTD	OXNARD	CA (US)
IAP	TACAN Z RWY 3	NTD	OXNARD	CA (US)
IAP	ILS OR LOC RWY 7	SBA	SANTA BARBARA	CA (US)
IAP	VOR OR GPS RWY 25	SBA	SANTA BARBARA	CA (US)
IAP	VOR-A	SMO	SANTA MONICA	CA (US)
IAP	ILS Y RWY 16R	VNY	VAN NUYS	CA (US)
IAP	ILS Z RWY 16R	VNY	VAN NUYS	CA (US)
IAP	LDA-C	VNY	VAN NUYS	CA (US)
IAP	VOR-A	VNY	VAN NUYS	CA (US)
IAP	VOR-B	VNY	VAN NUYS	CA (US)
STAR	FERNANDO	BUR	BURBANK	CA (US)
STAR	GUERA (RNAV)	CMA	CAMARILLO	CA (US)
STAR	TANDY	LGB	LONG BEACH	CA (US)
STAR	TANDY	SLI	LOS ALAMITOS	CA (US)
STAR	KIMMO	LAX	LOS ANGELES	CA (US)
STAR	MOORPARK	LAX	LOS ANGELES	CA (US)
STAR	OCEAN	LAX	LOS ANGELES	CA (US)
STAR	SADDE	LAX	LOS ANGELES	CA (US)
STAR	GUERA (RNAV)	NTD	OXNARD	CA (US)
STAR	GUERA (RNAV)	OXR	OXNARD	CA (US)
STAR	TANDY	SNA	SANTA ANA	CA (US)
STAR	FERNANDO	SMO	SANTA MONICA	CA (US)
STAR	KIMMO	SMO	SANTA MONICA	CA (US)
STAR	TANDY	TOA	TORRANCE	CA (US)
STAR	FERNANDO	VNY	VAN NUYS	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 36

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. DELETED STAR BASET AT LAX IN FIX USE.
2. CHANGED IAP "ILS Y OR LOC/DME Y RWY 21" TO "ILS OR LOC RWY 21" AT NTD IN FIX USE.
3. CHANGED IAP "TACAN Y OR VOR/DME RWY 3" TO "TACAN Z RWY 3" AT NTD IN FIX USE.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A421	NAME: DANIEL JOHNSEN
APPROVED BY:	DATE: 09/24/2026	OFFICE: AJV-A421	NAME: TARA MARTINELLI
SIGNATURE:			

QUALITY
20
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TREKK

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 340629.10N/1181959.90W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
DP
DP

USE TITLE
SANTA MONICA (RNAV)
CHOII (RNAV)

FAC

PAT

AIRPORT IDENT
SMO
SMO

CITY
SANTA MONICA
SANTA MONICA

STATE
CA (US)
CA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. DELETED DP CITRUS (RNAV) AT SMO IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A421

NAME: TARA MARTINELLI

SIGNATURE:

QUALITY
20
CHECKED