

RADIO FIX AND HOLDING DATA RECORD

NAME: DARTS

STATE: CA

COUNTRY: US

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	L	095.00	110.00	11.77	11.77	5000	17500
2	SEAL BEACH	SLI	VORTAC	L	319.41	334.41	24.77	24.77	6000	17500
3	SANTA MONICA	SMO	VOR/DME	L	031.83	046.83	12.78	12.78	5000	17500
4	PARADISE	PDZ	VORTAC	H	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

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

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	357
2	310	271
2	230	139

REASON FOR NONSTANDARD HOLDING:

PAT 1 AVOID OUTBOUND TRAFFIC PATTERN ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	TAKE-OFF MINIMUMS	KVNY	VAN NUYS	CA (US)

REMARKS:

VAN NUYS (FAC 1) AND SEAL BEACH (FAC 2) 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.
 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		KBUR	BURBANK	CA (US)
DP	ANAHEIM	1, 2		KFUL	FULLERTON	CA (US)
DP	ANAHEIM	1, 2		KLGB	LONG BEACH	CA (US)
DP	ANAHEIM	1, 2		KSNA	SANTA ANA	CA (US)
DP	TAKE-OFF MINIMUMS	1, 3	2	KVNY	VAN NUYS	CA (US)
EN ROUTE	V186	1, 2				(US)
EN ROUTE	V459	1, 2				(US)
EN ROUTE	V597	1, 2				(US)
IAP	VOR/DME OR GPS-B	1, 2, 3		KEMT	EL MONTE	CA (US)
IAP	VOR OR GPS-A	1, 2, 3		KSMO	SANTA MONICA	CA (US)
STAR	FERNANDO	1, 2, 3, 4		KBUR	BURBANK	CA (US)
STAR	KIMMO	1, 2	1	KLAX	LOS ANGELES	CA (US)
STAR	KIMMO	1, 2	1	KSMO	SANTA MONICA	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 12/10/2015

REASON FOR REVISION:

ADDED WP TO FIX TYPE.
 ADDED REMARK: DO NOT CHART FIX MAKE-UP FROM FAC 4 PARADISE (PDZ) ON ENROUTE LOW.



DEVELOPED BY: **DATE:** 09/14/2015 **OFFICE:** AJV-5421 **NAME:** ADRIAN BLAND
APPROVED BY: **DATE:** **OFFICE:** AJV-5421 **NAME:** GEORGE GONZALEZ
SIGNATURE:

DISTRIBUTION: **NFDC**
 FPO: WST
 ARTCC: ZLA
 ATC FACILITY: SOCAL APP CON, VAN NUYS ATCT
 OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FILLMORE VORTACSTATE: CATYPE: COUNTRY: US

LATITUDE/LONGITUDE: 342124.10N/1185252.65W

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	L							45000

FIX RESTRICTIONS:
MCA V299 7200 NORTHBOUND
MCA V386 6100 WESTBOUND
MCA V107 7500 NORTHWEST BOUND
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		TEMPLATES	
											MIN	MAX	MIN	MAX
1	S	1	S	FIM	VORTAC	195.08	015.08	R	1		6000	10000	5	9
2	NW	2	NW	FIM	VORTAC	310.33	130.33	R	1-1 1/2		11000	41000	9	28

CONTROLLING OBSTRUCTIONS:			PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
	UPN	230	UPN	230	AAO	343936.00N/1185648.00W	7477	4E
1		200	1	200	AAO	342154.00N/1184645.00W	3091	4E
1		310	1	310	AAO	342839.00N/1185154.00W	4685	4E
2		230	2	230	AAO	343045.10N/1190427.60W	6916	6A

PRECIPITOUS TERRAIN ADDITIONS:			PAT	SPEED	ADDITION
	UPN	230	UPN	230	375
1		200	1	200	131
1		310	1	310	308
2		230	2	230	375

HOLDING RESTRICTIONS:
UNPLANNED HOLDING APPROVED ALL AIRWAY RADIALS FROM 9700 TO 45000.
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR UNPLANNED HOLDING OVER R-2519 AND W-289 ON FIM VORTAC
RADIALS 180 CW 225 AT OR ABOVE 16000.

PROCEDURES REQUIRING CLIMB-IN-HOLD:				
PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	CAMARILLO	KOXR	OXNARD	CA (US)

REMARKS:
UNPLAN HOLD ATC REQUEST.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:		FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE	USE TITLE					
DP	MEADOWS			KBFL	BAKERSFIELD	CA (US)
DP	VAN NUYS			KBUR	BURBANK	CA (US)
DP	ANAHEIM			KFUL	FULLERTON	CA (US)
DP	ANAHEIM			KLGB	LONG BEACH	CA (US)
DP	CHATY			KLAX	LOS ANGELES	CA (US)
DP	FILLMORE			KNTD	OXNARD	CA (US)
DP	CAMARILLO		1	KOXR	OXNARD	CA (US)
DP	SKIFF			KOXR	OXNARD	CA (US)
DP	CHALONE			KSNS	SALINAS	CA (US)
DP	SALINAS			KSNS	SALINAS	CA (US)
DP	ANAHEIM			KSNA	SANTA ANA	CA (US)
DP	KWANG			KSBA	SANTA BARBARA	CA (US)
DP	SANTA BARBARA			KSBA	SANTA BARBARA	CA (US)
DP	TAKEOFF MINIMUMS			KSMO	SANTA MONICA	CA (US)
DP	ADAMM			KVNY	VAN NUYS	CA (US)
DP	CANOGA			KVNY	VAN NUYS	CA (US)
DP	HAYEZ (RNAV)			KVNY	VAN NUYS	CA (US)
DP	NEWHALL			KVNY	VAN NUYS	CA (US)
EN ROUTE	J1					(US)
EN ROUTE	J7					(US)
EN ROUTE	V107					(US)
EN ROUTE	V186					(US)
EN ROUTE	V27					(US)
EN ROUTE	V299					(US)
EN ROUTE	V326					(US)
EN ROUTE	V386					(US)

QUALITY
3
CHECKED

EN ROUTE	V518			(US)
EN ROUTE	V597			(US)
IAP	FOUR STACKS VISUAL RWY 15	KBUR	BURBANK	CA (US)
IAP	ILS OR LOC Z RWY 8	KBUR	BURBANK	CA (US)
IAP	LOC Y RWY 8	KBUR	BURBANK	CA (US)
IAP	RNAV (GPS) X RWY 8	KBUR	BURBANK	CA (US)
IAP	RNAV (RNP) Y RWY 8	KBUR	BURBANK	CA (US)
IAP	RNAV (RNP) Z RWY 8	KBUR	BURBANK	CA (US)
IAP	VOR RWY 8	KBUR	BURBANK	CA (US)
IAP	VOR RWY 26	KCMA	CAMARILLO	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 24R (CAT II)	KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 24R (CAT III)	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	RNAV (GPS) Y RWY 6L	KLAX	LOS ANGELES	CA (US)
IAP	RNAV (GPS) Y RWY 6R	KLAX	LOS ANGELES	CA (US)
IAP	RNAV (GPS) Y RWY 7L	KLAX	LOS ANGELES	CA (US)
IAP	RNAV (GPS) Y RWY 7R	KLAX	LOS ANGELES	CA (US)
IAP	RNAV (RNP) Z RWY 6L	KLAX	LOS ANGELES	CA (US)
IAP	RNAV (RNP) Z RWY 6R	KLAX	LOS ANGELES	CA (US)
IAP	RNAV (RNP) Z RWY 7L	KLAX	LOS ANGELES	CA (US)
IAP	RNAV (RNP) Z RWY 7R	KLAX	LOS ANGELES	CA (US)
IAP	RNAV (GPS)-C	KWHP	LOS ANGELES	CA (US)
IAP	VOR-A	KWHP	LOS ANGELES	CA (US)
IAP	ILS OR LOC/DME RWY 21	KNTD	OXNARD	CA (US)
IAP	TACAN OR VOR/DME RWY 3	KNTD	OXNARD	CA (US)
IAP	TACAN RWY 21	KNTD	OXNARD	CA (US)
IAP	ILS OR LOC RWY 25	KOXR	OXNARD	CA (US)
IAP	VOR RWY 25	KOXR	OXNARD	CA (US)
IAP	ILS OR LOC RWY 7	KSBA	SANTA BARBARA	CA (US)
IAP	VOR OR GPS RWY 25	KSBA	SANTA BARBARA	CA (US)
IAP	VOR OR GPS-A	KSMO	SANTA MONICA	CA (US)
IAP	ILS RWY 16R	KVNY	VAN NUYS	CA (US)
IAP	LDA-C	KVNY	VAN NUYS	CA (US)
IAP	VOR-A	KVNY	VAN NUYS	CA (US)
IAP	VOR/DME OR GPS-B	KVNY	VAN NUYS	CA (US)
STAR	CEEME (RNAV)	KBUR	BURBANK	CA (US)
STAR	FERNANDO	KBUR	BURBANK	CA (US)
STAR	TANDY	KLGB	LONG BEACH	CA (US)
STAR	BASET	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	MOORPARK	KLAX	LOS ANGELES	CA (US)
STAR	OCEAN	KLAX	LOS ANGELES	CA (US)
STAR	REDEYE	KLAX	LOS ANGELES	CA (US)
STAR	SADDE	KLAX	LOS ANGELES	CA (US)
STAR	FERNANDO	KSMO	SANTA MONICA	CA (US)
STAR	KIMMO	KSMO	SANTA MONICA	CA (US)
STAR	FERNANDO	KVNY	VAN NUYS	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 20

DATE OF REVISION: 08/20/2015

REASON FOR REVISION:

REMOVED FROM FIX USE:

(EN ROUTE) V397

(STARS) SYMON AND REEDR

DEVELOPED BY: **DATE:** 02/27/2015

OFFICE: AJV-354

NAME: DAVID DOWLING

APPROVED BY: **DATE:** 04/29/2015

OFFICE: AJV-354

NAME: JILL OLSON

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZLA

ATC FACILITY: NTD APP CON, SCT

OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SESPE

STATE: CA

COUNTRY: US

LATITUDE/LONGITUDE: 341923.19N/1184657.44W

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 NM	FAC FEET	MRA	MAA
1	FILLMORE	FIM	VORTAC	L	097.28	112.28	5.30	5.30		5500	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V186-597	1				(US)
IAP	RNAV (GPS) Y RWY 26			KCMA	CAMARILLO	CA (US)
IAP	RNAV (GPS) Z RWY 26			KCMA	CAMARILLO	CA (US)
IAP	RNAV (GPS) RWY 25			KOXR	OXNARD	CA (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 12/15/2011

REASON FOR REVISION:

REMOVED FAC 2 (RNAV FIX NACIC).
FAC 1 ADDED DIST FROM FAC 5.30 NM.
UPDATED FIX USE.

DEVELOPED BY:

DATE: 07/05/2011

OFFICE: AJV-354

NAME: EDWIN SIZEMORE

APPROVED BY:

DATE: 11/04/2011

OFFICE: AJV-354

NAME: DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:

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

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: VAN NUYS VOR/DME

STATE: CA

COUNTRY: US

LATITUDE/LONGITUDE: 341324.46N/1182930.02W

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 NM	FAC FEET	MRA	MAA
1	VAN NUYS	VNY	VOR/DME	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	E	VNY	VOR/DME	095.00	275.00	R	1-1 1/2	7600 17500	8 16
2	W	VNY	VOR/DME	255.00	075.00	R	1-1 1/2	4600 17500	5 16
3	W	VNY	VOR/DME	277.50	097.50	R	1-1 1/2	5500 17500	5 16
4	SE	VNY	VOR/DME	115.00	295.00	L	1-1 1/2	5100 6000	13 13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	341616.40N/1181410.70W	5274	6C
2	200	AAO	341912.00N/1183357.00W	3714	4E
3	200	AAO	341948.00N/1183603.00W	3947	4E
4	310	AAO	341947.28N/1183603.29W	3947	2A

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	230
3	200	87
4	310	123

REASON FOR NONSTANDARD HOLDING:

PAT 4 TERRAIN

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
4	TAKE-OFF MINIMUMS	KBUR	BURBANK	CA (US)

REMARKS:

HOLDING PATTERNS 1,2,3, ESTABLISHED BY AIR TRAFFIC FOR UNPLANNED HOLDING. PATTERNS 1,2,3, NOT TO BE CHARTED.
 PATTERN 2 CONTROLLING OBSTACLE LOCATED 12128 FT IN THE SECONDARY AREA.
 PATTERN 3 CONTROLLING OBSTACLE LOCATED 4595 FT IN THE SECONDARY AREA
 PRECIPITOUS TERRAIN EVAL COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ELMOO			KBUR	BURBANK	CA (US)
DP	TAKE-OFF MINIMUMS		4	KBUR	BURBANK	CA (US)
DP	VAN NUYS			KBUR	BURBANK	CA (US)
DP	ANAHEIM			KFUL	FULLERTON	CA (US)
DP	ANAHEIM			KLGB	LONG BEACH	CA (US)
DP	CHATY			KLAX	LOS ANGELES	CA (US)
DP	GABRE			KLAX	LOS ANGELES	CA (US)
DP	GORMAN			KLAX	LOS ANGELES	CA (US)
DP	TAKE-OFF MINIMUMS			KWHP	LOS ANGELES	CA (US)
DP	CAMARILLO			KOXR	OXNARD	CA (US)
DP	ANAHEIM			KSNA	SANTA ANA	CA (US)
DP	SANTA BARBARA			KSBA	SANTA BARBARA	CA (US)
DP	ADAMM			KVNY	VAN NUYS	CA (US)
DP	CANOGA			KVNY	VAN NUYS	CA (US)
DP	NEWHALL			KVNY	VAN NUYS	CA (US)
DP	TAKE-OFF MINIMUMS			KVNY	VAN NUYS	CA (US)
EN ROUTE	T249					(US)
EN ROUTE	V 326					(US)
EN ROUTE	V 597					(US)
EN ROUTE	V186					(US)
IAP	ILS OR LOC Z RWY 8			KBUR	BURBANK	CA (US)
IAP	LOC Y RWY 08			KBUR	BURBANK	CA (US)
IAP	VOR RWY 8			KBUR	BURBANK	CA (US)
IAP	VOR RWY 26			KCMA	CAMARILLO	CA (US)
IAP	VOR/DME OR GPS-B			KEMT	EL MONTE	CA (US)
IAP	VOR-A			KWHP	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 25			KOXR	OXNARD	CA (US)
IAP	VOR OR GPS-A			KSMO	SANTA MONICA	CA (US)

QUALITY
3
CHECKED

IAP	ILS RWY 16R	KVNY	VAN NUYS	CA (US)
IAP	LDA-C	KVNY	VAN NUYS	CA (US)
IAP	VOR-A	KVNY	VAN NUYS	CA (US)
IAP	VOR/DME OR GPS-B	KVNY	VAN NUYS	CA (US)
STAR	FERNANDO	KBUR	BURBANK	CA (US)
STAR	LYNXX	KBUR	BURBANK	CA (US)
STAR	KIMMO	KLAX	LOS ANGELES	CA (US)
STAR	KIMMO	KSMO	SANTA MONICA	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 01/08/2015

REASON FOR REVISION:

FIX USE: KVNY CHANGED GLENDALE SID TO ADAMM. (DUPLICATE NAME IN USE AT PHOENIX), CORRECTED SPELLING FROM ELMDO TO ELMOO ON KBUR SID.

DEVELOPED BY: **DATE:** 10/02/2014 **OFFICE:** AJV-354 **NAME:** ANDREW FIELDS

APPROVED BY: **DATE:** 01/08/2015 **OFFICE:** AJV-354 **NAME:** JILL OLSON

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZLA
ATC FACILITY: SOCAL APP CON
OTHER: VNY ATCT, BUR ATCT

QUALITY
3
CHECKED