

RADIO FIX AND HOLDING DATA RECORD

NAME: FIDDO

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 364225.03N/1205516.07W

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	FAC FEET	MRA	MAA
1	PANOCHÉ	PXN	VORTAC	L	249.80	265.80	6.89	6.89		4000	17500
2	MODESTO	MOD	VOR/DME	H	161.16	178.16		55.18		7000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
MOD	VOR/DME	R-161	56	7000	14600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

PANOCHÉ (FAC 1) AND MODESTO (FAC 2) USED TO ESTABLISH FIX COORDINATES
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE AIRWAY MEA.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V230	1, 2				

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 07/16/2020

REASON FOR REVISION:

1. FIX TYPE: ADDED WP.
2. FIX MAKE-UP FACILITIES: DELETED FAC2 PRIEST (ROM) VOR AND ASSOCIATED DATA.
3. FIX MAKE-UP FACILITIES: ADDED FAC2 MODESTO (MOD) VOR/DME AND ASSOCIATED DATA.
4. REMARKS: DELETED NAD 83.
5. REMARKS: ADDED FIX COORDINATE DETERMINATION REMARK.
6. FIX USE: REFORMATTED V230; ADDED FAC 1, 2.
7. ADDED ESV FROM MODESTO (MOD) VOR/DME.
8. REQUIRED CHARTING: UPDATED CONTROLLER TO CONTROLLER LOW.
9. REMOVED FIX RESTRICTION MCA V-230 9000 WESTBOUND.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: MARK CIARLONE

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

Digitally signed by

SIGNATURE: **ALLAN WILL**

May 12, 2020

DISTRIBUTION:

NFDC
FPO: LAX
ARTCC: ZOA
ATC FACILITY:
OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MODESTO VOR/DME

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 373738.55N/1205728.32W

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	MRA FEET	MAA
1	MODESTO	MOD	VOR/DME	H						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	E	MOD	VOR/DME	104.59	284.59	L	1 1800	18000	4 16
2	NE	MOD	VOR/DME	063.57	243.57	L	1 16000	18000	15 16
3	NW	MOD	VOR/DME	293.96	113.96	R	1 3000	17500	4 16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (06-001588)	373446.00N/1205054.00W	542	5D
1	310	TOWER (06-001588)	373446.00N/1205054.00W	542	5D
2	265	AAO	374600.00N/1203857.00W	706	4E
3	200	TOWER (06-002334)	373859.43N/1210127.31W	504	1A

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR RWY 28R	KMOD	MODESTO	CA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.

ASSIGNED FACILITY MAGVAR: 17E (1965).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKEOFF MINIMUMS			KMCE	MERCED	CA (US)
DP	OZIEE (RNAV)			KAPC	NAPA	CA (US)
DP	TAKEOFF MINIMUMS			KTCY	TRACY	CA (US)
EN ROUTE	V113					(US)
EN ROUTE	V111					CA (US)
IAP	ILS OR LOC RWY 31		1	KMER	ATWATER	CA (US)
IAP	VOR-A			KF34	FIREBAUGH	CA (US)
IAP	ILS RWY 25R			KLVK	LIVERMORE	CA (US)
IAP	LOC RWY 25R			KLVK	LIVERMORE	CA (US)
IAP	LOC BC RWY 12		3	KMCE	MERCED	CA (US)
IAP	RNAV (GPS) RWY 12			KMCE	MERCED	CA (US)
IAP	ILS OR LOC RWY 28R		1	KMOD	MODESTO	CA (US)
IAP	VOR RWY 28R		1	KMOD	MODESTO	CA (US)
IAP	RNAV (GPS) RWY 10			KO27	OAKDALE	CA (US)
IAP	RNAV (GPS) RWY 28			KO27	OAKDALE	CA (US)
IAP	VOR-A			KO27	OAKDALE	CA (US)
IAP	ILS OR LOC RWY 29R			KSCK	STOCKTON	CA (US)
IAP	ILS RWY 29R (SA CAT II)			KSCK	STOCKTON	CA (US)
IAP	VOR RWY 26		1	KTCY	TRACY	CA (US)
STAR	PANOCHÉ			KHWD	HAYWARD	CA (US)
STAR	PANOCHÉ			KOAK	OAKLAND	CA (US)
STAR	MODESTO		2	KSFO	SAN FRANCISCO	CA (US)
STAR	RISTI (RNAV)			KSFO	SAN FRANCISCO	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 26

DATE OF REVISION: 07/16/2020

REASON FOR REVISION:

QUALITY
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1. HOLDING PAT2: UPDATED LEG TIME FROM 1-1 1/2 TO 1.
2. FIX USE: DELETED FAC 1 FROM KMOD VOR RWY 28R.
3. FIX USE: ADDED KSCK IAP ILS RWY 29R (SA CAT II), AND KF34 IAP VOR-A.
4. FIX USE: DELETED KNUQ DP SOUTHLAND.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** MARK CIARLONE

APPROVED BY: **DATE:** **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

Digitally signed by

SIGNATURE: **ALLAN WILL**

May 12, 2020

DISTRIBUTION: **NFDC**
 FPO: WST
 ARTCC: ZOA
 ATC FACILITY: NORCAL APP CON
 OTHER:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PANOCHE VORTAC **STATE:** CA **COUNTRY:** US **ICAO REGION CODE:** K2

LATITUDE/LONGITUDE: 364255.65N/1204643.26W **TYPE:**

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	PANOCHE	PXN	VORTAC	L							17500

FIX RESTRICTIONS:

MCA V230 8500 WESTBOUND
MCA V113 5500 SOUTHBOUND

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	SW	PXN	VORTAC	229.00	049.00	R	1		5500	17500	5	16
2	SE	WP	WP	154.88	334.88	R		7	6500	17500	9	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	364109.00N/1205606.00W	3750	4E
1	310	AAO	362827.00N/1205403.00W	4223	4E
2	230	AAO	362433.00N/1204215.00W	4836	4E
2	310	AAO	362208.10N/1203830.10W	5441	6A
UPN	230	AAO	362724.00N/1204915.00W	4357	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	200	210
1	310	262
2	230	240
2	310	254

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 9000.
HOLDING LIMITED TO ESTABLISHED PATTERNS BELOW 9000.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKEOFF MINIMUMS	KF34	FIREBAUGH	CA (US)
2	RNAV (GPS) RWY 14	KLSN	LOS BANOS	CA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: E16/1980.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MEADOWS			KBFL	BAKERSFIELD	CA (US)
DP	TAKEOFF MINIMUMS		1	KF34	FIREBAUGH	CA (US)
DP	YOSEMITE			KFAT	FRESNO	CA (US)
DP	MONTEREY			KMRY	MONTEREY	CA (US)
DP	TORO			KMRY	MONTEREY	CA (US)
DP	SOUTHLAND			KNUQ	MOUNTAIN VIEW	CA (US)
DP	OAKLAND			KOAK	OAKLAND	CA (US)
DP	SKYLINE			KOAK	OAKLAND	CA (US)
DP	CHALONE			KSNS	SALINAS	CA (US)
DP	SAN JOSE			KSJC	SAN JOSE	CA (US)
EN ROUTE	T263					(US)
EN ROUTE	T329					(US)
EN ROUTE	V107					(US)
EN ROUTE	V113					(US)
EN ROUTE	V230					(US)
EN ROUTE	V301					(US)
EN ROUTE	V87					(US)
IAP	ILS OR LOC RWY 31			KMER	ATWATER	CA (US)
IAP	RNAV (GPS) RWY 31			KMER	ATWATER	CA (US)
IAP	RNAV (GPS)-B			KF34	FIREBAUGH	CA (US)
IAP	VOR-A			KF34	FIREBAUGH	CA (US)
IAP	HI-TACAN RWY 11L			KFAT	FRESNO	CA (US)
IAP	ILS Y OR LOC Y RWY 29R			KFAT	FRESNO	CA (US)
IAP	ILS Y RWY 29R (CAT II-III)			KFAT	FRESNO	CA (US)
IAP	ILS Y RWY 29R (SA CAT I)			KFAT	FRESNO	CA (US)
IAP	LOC Y RWY 11L			KFAT	FRESNO	CA (US)
IAP	TACAN RWY 14L			KNLC	LEMOORE	CA (US)

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IAP	TACAN RWY 14R		KNLC	LEMOORE	CA (US)
IAP	RNAV (GPS) RWY 14	2	KLSN	LOS BANOS	CA (US)
IAP	RNAV (GPS) RWY 32		KLSN	LOS BANOS	CA (US)
IAP	VOR RWY 32		KLSN	LOS BANOS	CA (US)
IAP	ILS OR LOC RWY 30		KMCE	MERCED	CA (US)
IAP	RNAV (GPS) RWY 30		KMCE	MERCED	CA (US)
IAP	VOR RWY 30		KMCE	MERCED	CA (US)
IAP	ILS OR LOC RWY 28R		KMOD	MODESTO	CA (US)
IAP	RNAV (GPS) RWY 28R		KMOD	MODESTO	CA (US)
IAP	VOR RWY 28R		KMOD	MODESTO	CA (US)
STAR	PANOCHE		KHWD	HAYWARD	CA (US)
STAR	PANOCHE		KOAK	OAKLAND	CA (US)
STAR	ROBIE		KSJC	SAN JOSE	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: 30

DATE OF REVISION: 07/16/2020

REASON FOR REVISION:

1. FIX RESTRICTIONS: ADDED MCA V230 8500 WESTBOUND.
2. FIX USE: DELETED KSJC STAR EL NIDO.
3. FIX USE: UPDATED KLSN IAP FROM VOR/DME RWY 32 TO VOR RWY 32.
4. FIX USE: ADDED 3X KFAT IAPS: ILS Y OR LOC Y RWY 29R, ILS Y RWY 29R (SA CAT I), AND ILS Y RWY 29R (CAT II-III).
5. REQUIRED CHARTING: ADDED CONTROLLER HIGH.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** MARK CIARLONE

APPROVED BY: **DATE:** **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

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