

RADIO FIX AND HOLDING DATA RECORD

NAME: AJOJO

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 372609.73N/1204055.02W

TYPE: RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	MERCED	I-MCE	LOC/DME		303.49	318.49	11.50	11.50		2000	4600
2	MODESTO	MOD	VOR/DME	H	113.96	130.96	17.46	17.46		2000	4600

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

MERCED (FAC 1) AND MODESTO (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LOC BC RWY 12	1, 2		MCE	MERCED	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 08/15/2019

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: JOSHUA LEETE

APPROVED BY:

DATE: 07/08/2019

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: EL NIDO VOR/DME STATE: CA COUNTRY: US ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 371309.96N/1202400.79W 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	MAA
1	EL NIDO	HYP	VOR/DME	L						17500

HOLDING: HOLDING TYPE OF ACTION: MODIFY

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	HYP	VOR/DME	110.37	290.37	L	1	2000 6000	4 5
2	SE	HYP	VOR/DME	126.04	306.04	R	1	3000 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (06-002008)	371514.85N/1202426.32W	474	3C
2	200	TOWER (06-002097)	371138.45N/1201435.97W	496	1A

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 15E (1990).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 30		1	MCE	MERCED	CA (US)
IAP	LOC BC RWY 12		1	MCE	MERCED	CA (US)
IAP	ILS OR LOC RWY 31	1	2	MER	MERCED	CA (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 23 DATE OF REVISION: 08/13/2020

REASON FOR REVISION:

1. REMOVED IAP KMCE VOR RWY 30 FROM FIX USE.
2. REMOVED PAT 2 FROM HOLDING AND RENAMED PAT 3 TO PAT 2 FOR USE ON ILS OR LOC RWY 31 AT KMER.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 NAME: JANTZEN TAYLOR

APPROVED BY: DATE: OFFICE: AJV-A430 NAME: GEORGE DAVIS

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: MODESTO VOR/DME

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 373738.55N/1205728.33W

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	MODESTO	MOD	VOR/DME	DH						45000

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

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 (06-002593)	373630.23N/1203905.85W	581	1A
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 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
1	ILS OR LOC RWY 28R	MOD	MODESTO	CA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

ASSIGNED FACILITY MAGVAR: 16 DEGREES E

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKEOFF MINIMUMS			MCE	MERCED	CA (US)
DP	OZIEE (RNAV)			APC	NAPA	CA (US)
DP	TAKEOFF MINIMUMS			TCY	TRACY	CA (US)
EN ROUTE	V113					(US)
EN ROUTE	V111					CA (US)
IAP	ILS OR LOC RWY 31		1	MER	ATWATER	CA (US)
IAP	VOR-A			F34	FIREBAUGH	CA (US)
IAP	ILS RWY 25R			LVK	LIVERMORE	CA (US)
IAP	LOC RWY 25R			LVK	LIVERMORE	CA (US)
IAP	LOC BC RWY 12		3	MCE	MERCED	CA (US)
IAP	RNAV (GPS) RWY 12			MCE	MERCED	CA (US)
IAP	ILS OR LOC RWY 28R	1	1	MOD	MODESTO	CA (US)
IAP	RNAV (GPS) RWY 10			O27	OAKDALE	CA (US)
IAP	RNAV (GPS) RWY 28			O27	OAKDALE	CA (US)
IAP	ILS OR LOC RWY 29R			SCK	STOCKTON	CA (US)
IAP	ILS RWY 29R (SA CAT II)			SCK	STOCKTON	CA (US)
IAP	VOR RWY 26		1	TCY	TRACY	CA (US)
IAP	RNAV (GPS)-A			O15	TURLOCK	CA (US)
STAR	PANOCHÉ			HWD	HAYWARD	CA (US)
STAR	PANOCHÉ			OAK	OAKLAND	CA (US)
STAR	MODESTO		2	SFO	SAN FRANCISCO	CA (US)
STAR	RISTI (RNAV)			SFO	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: 30

DATE OF REVISION: 03/19/2026

REASON FOR REVISION:

CONTROLLING OBSTACLES: PAT 1, 310 KTS, CHANGED "373446.00N/1205054.00W, 542, 5D" TO "373630.23N/1203905.85W, 581, 1A"

PROCEDURES REQUIRING CLIMB-IN-HOLD: ADDED PAT 1, ILS OR LOC RWY 28R, KMOD, MODESTO, CA.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: RONALD STROBACH**APPROVED BY:****DATE:** 02/12/2026**OFFICE:** AJV-A432**NAME:** CASIMIR TABAKA**SIGNATURE:**

RADIO FIX AND HOLDING DATA RECORD

NAME: REFER

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 371755.07N/1203145.50W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	MERCED	I-MCE	LOC/DME		303.49	318.49	0.50	0.50		420	4600

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LOC BC RWY 12	1		MCE	MERCED	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 08/15/2019

REASON FOR REVISION:

7/3/19: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 5/17/19:
ADDED IAP TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: JOSHUA LEETE

APPROVED BY:

DATE: 07/08/2019

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZOA
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OTHER: