

RADIO FIX AND HOLDING DATA RECORD

NAME: ADBAW

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 393547.65N/1232558.40W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 16

FAC

PAT

AIRPORT IDENT
O28

CITY
WILLITS

STATE
CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 12/02/2021

REASON FOR REVISION:

AMENDED FIX COORDINATES, MOVED 750.8 FT EAST

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

Digitally signed by

JON DENTON

Sep 24, 2021

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFFQL

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 392719.62N/1232212.53W

TYPE: CNF

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 16

FAC

PAT

AIRPORT IDENT
O28

CITY
WILLITS

STATE
CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 12/02/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE: *Digitally signed by*
JON DENTON
Sep 24, 2021

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GRAIE

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 392747.66N/1232224.98W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 16

FAC

PAT

AIRPORT IDENT
O28

CITY
WILLITS

STATE
CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 12/02/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE: *Digitally signed by*
JON DENTON
Sep 24, 2021



RADIO FIX AND HOLDING DATA RECORD

NAME: HULDI

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 392426.24N/1232104.89W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 16

FAC

PAT

AIRPORT IDENT
O28

CITY
WILLITS

STATE
CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 11/18/2010

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

Digitally signed by

JON DENTON

DISTRIBUTION:

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

Sep 24, 2021

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LEFOR

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 393257.72N/1232442.83W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 16

FAC

PAT

AIRPORT IDENT
O28

CITY
WILLITS

STATE
CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 12/02/2021

REASON FOR REVISION:

AMENDED FIX COORDINATES, MOVED 724.70 FT EAST

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE: *Digitally signed by*
JON DENTON
Sep 24, 2021



RADIO FIX AND HOLDING DATA RECORD

NAME: MENDOCINO VORTAC

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 390311.58N/1231627.58W

TYPE:

AIRSPACE DOCKET: 19-AWP-98

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC | MRA | MAA |
|-----|-----------|-------|--------|-------|---------|----------|-----|---------------|-----|-------|
| | | | | | | | | NM FEET | | |
| 1 | MENDOCINO | ENI | VORTAC | H | | | | | | 45000 |

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

| PAT | DIR | IDENT | TYPE | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH | HOLDING ALTITUDES | TEMPLATES | |
|-----|-----|-------|--------|-------------|-------------|---------------|------------|-------------------|-----------|-------|
| | | | | | | | TIME DME | MIN MAX | MIN MAX | |
| 1 | S | ENI | VORTAC | 202.14 | 022.14 | R | 1 | 6000 | 14000 | 5 10 |
| 2 | N | ENI | VORTAC | 343.21 | 163.21 | R | 1 1/2 | 15000 | 45000 | 15 29 |

CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1 | 200 | AAO | 385657.00N/1231339.00W | 3389 | 4E |
| 1 | 310 | AAO | 390230.00N/1230400.00W | 3645 | 4E |
| 2 | 265 | AAO | 390814.00N/1231838.10W | 3611 | 6C |

PRECIPITOUS TERRAIN ADDITIONS:

| PAT | SPEED | ADDITION |
|-----|-------|----------|
| 1 | 200 | 206 |
| 1 | 310 | 222 |
| 2 | 265 | 197 |

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

MENDOCINO (ENI) VORTAC MAGVAR 1990/E16.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|--------------------------------|-----|-----|---------------|---------------|---------|
| DP | LAKEPORT (RNAV) | | | 102 | LAKEPORT | CA (US) |
| DP | TAKE-OFF MINIMUMS | | | 102 | LAKEPORT | CA (US) |
| DP | LITTLE RIVER (RNAV) (OBSTACLE) | | | KLLR | LITTLE RIVER | CA (US) |
| DP | MERLOT | | | KAPC | NAPA | CA (US) |
| DP | OZIEE (RNAV) | | | KAPC | NAPA | CA (US) |
| DP | OAKLAND | | | KOAK | OAKLAND | CA (US) |
| DP | SILENT | | | KOAK | OAKLAND | CA (US) |
| DP | GAP | | | KSFO | SAN FRANCISCO | CA (US) |
| DP | MOLEN | | | KSFO | SAN FRANCISCO | CA (US) |
| DP | CHARLIE | | | KSTS | SANTA ROSA | CA (US) |
| DP | RONHU (RNAV) | | | KUKI | UKIAH | CA (US) |
| DP | RYPAX (RNAV) | | | KUKI | UKIAH | CA (US) |
| DP | TAKE-OFF MINIMUMS | | | KUKI | UKIAH | CA (US) |
| DP | MENDOCINO (RNAV) (OBSTACLE) | | | O28 | WILLITS | CA (US) |
| EN ROUTE | J143 | | | | | (US) |
| EN ROUTE | T257 | | | | | (US) |
| EN ROUTE | V199 | | | | | (US) |
| EN ROUTE | V200 | | | | | (US) |
| EN ROUTE | V27 | | | | | (US) |
| EN ROUTE | V494 | | | | | (US) |
| EN ROUTE | V607 | | | | | (US) |
| IAP | RNAV (GPS) -A | | | 102 | LAKEPORT | CA (US) |
| IAP | RNAV (GPS) RWY 29 | | | KLLR | LITTLE RIVER | CA (US) |
| IAP | ILS OR LOC/DME RWY 32 | | | KSTS | SANTA ROSA | CA (US) |
| IAP | RNAV (GPS) RWY 14 | | | KSTS | SANTA ROSA | CA (US) |
| IAP | LOC RWY 15 | | | KUKI | UKIAH | CA (US) |
| IAP | VOR-A | | | KUKI | UKIAH | CA (US) |
| STAR | SEATO | | 1 | KSUU | FAIRFIELD | CA (US) |
| STAR | POINT REYES | | | KNUQ | MOUNTAIN VIEW | CA (US) |
| STAR | POINT REYES | | | KPAO | PALO ALTO | CA (US) |
| STAR | POINT REYES | | | KSQJ | SAN CARLOS | CA (US) |
| STAR | POINT REYES | | | KSFO | SAN FRANCISCO | CA (US) |
| STAR | STINS | | 2 | KSFO | SAN FRANCISCO | CA (US) |
| STAR | POINT REYES | | | KRHV | SAN JOSE | CA (US) |
| STAR | BRINY | | | KSJC | SAN JOSE | CA (US) |
| STAR | POINT REYES | | | KSJC | SAN JOSE | CA (US) |

QUALITY
10
CHECKED

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 20

DATE OF REVISION: 12/02/2021

REASON FOR REVISION:

1. REMOVED O28 RNAV (GPS) RWY 16 AND RWY 34 FROM FIX USE.
2. REMOVED PATTERN 3 FROM PATTERNS, CONTROLLING OBSTRUCTIONS, PRECIPITOUS TERRAIN ADDITIONS AND REMARKS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE: *Digitally signed by*
JON DENTON
Sep 24, 2021

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NEAPO STATE: CA COUNTRY: US ICAO REGION CODE: K2
 LATITUDE/LONGITUDE: 393937.58N/1232740.86W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING: HOLDING TYPE OF ACTION: MODIFY

| PATTERNS: | | IDENT | TYPE | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH TIME DME | HOLDING ALTITUDES MIN MAX | TEMPLATES MIN MAX |
|-----------|-----|-------|------|-------------|-------------|---------------|---------------------|---------------------------|-------------------|
| PAT | DIR | | | | | | | | |
| 1 | NW | | WP | 324.98 | 144.98 | R | 5 | 6000 14000 | 6 11 |

| CONTROLLING OBSTRUCTIONS: | | | COORDINATES | ELEVATION | ACCURACY CODE |
|---------------------------|----------|-------------|------------------------|-----------|---------------|
| PAT | AIRSPEED | OBSTRUCTION | | | |
| 1 | 200 | AAO | 394830.17N/1232853.81W | 4685 | 2C |
| 1 | 310 | AAO | 394830.00N/1232854.00W | 4692 | 4E |

PRECIPITOUS TERRAIN ADDITIONS:

| PAT | SPEED | ADDITION |
|-----|-------|----------|
| 1 | 310 | 350 |
| 1 | 200 | 300 |

HOLDING RESTRICTIONS:
 HOLDING LIMITED TO ESTABLISHED PATTERN

PROCEDURES REQUIRING CLIMB-IN-HOLD:

| PAT | PROCEDURE TITLE | AIRPORT IDENT | CITY | STATE |
|-----|-------------------|---------------|---------|---------|
| 1 | RNAV (GPS) RWY 34 | O28 | WILLITS | CA (US) |

REMARKS:
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

| FIX USE: | | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|--|-------------------|-----|-----|---------------|---------|---------|
| USE TYPE | | | | | | | |
| IAP | | RNAV (GPS) RWY 16 | | 1 | O28 | WILLITS | CA (US) |
| IAP | | RNAV (GPS) RWY 34 | | 1 | O28 | WILLITS | CA (US) |

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 12/02/2021

REASON FOR REVISION:

AMENDED FIX COORDINATES, MOVED 765.84 FT EAST.
 ADDED KO28 RNAV (GPS) RWY 34 TO FIX USE.
 ADDED PROCEDURES REQUIRING CLIMB-IN-HOLD KO28 RNAV (GPS) RWY 34.
 ADDED CLIMB-IN-HOLD TO CONTROLLING OBSTRUCTIONS.
 CHANGE INBOUND HOLDING COURSE FROM 144.94 TO 144.98.
 UPDATED PRECIPITOUS TERRAIN ADJUSTMENT FROM 228 TO 300.
 AMENDED PATTERN 1 200 KNOT OBSTRUCTION FROM COORDINATES 394830.50N/1232852.62W ACCURACY CODE 2A TO 394830.17N/1232853.81W ACCURACY CODE 2C.

| | | | |
|-----------------------------------|------------------|------------------|-----------------------|
| INITIATED BY: | DATE: | ORGANIZATION: | NAME: |
| OFFICE OF PRIMARY RESPONSIBILITY: | | AJV-A432 | NAME: JOHN KEEFER |
| APPROVED BY: | DATE: 12/02/2021 | OFFICE: AJV-A430 | NAME: LONNIE EVERHART |
| SIGNATURE: Digitally signed by | | | |
| JON DENTON | | | |
| Sep 24, 2021 | | | |



RADIO FIX AND HOLDING DATA RECORD

NAME: XUGME

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 394211.39N/1231801.71W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 16

FAC

PAT

AIRPORT IDENT
O28

CITY
WILLITS

STATE
CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 12/02/2021

REASON FOR REVISION:

MOVED FIX XUGME 265.51 FEET SOUTH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE: *Digitally signed by*
JON DENTON
Sep 24, 2021

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZONQJ

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 393710.44N/1233651.42W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 16

FAC

PAT

AIRPORT IDENT
O28

CITY
WILLITS

STATE
CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 12/02/2021

REASON FOR REVISION:

AMENDED FIX COORDINATES, MOVED 2.38 NM (14462.75 FT) WEST "FIX NAME RETAINED PER ATC OPERATIONAL REQUIREMENTS".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN KEEFER

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE: *Digitally signed by*
JON DENTON
Sep 24, 2021

QUALITY
10
CHECKED