

# RADIO FIX AND HOLDING DATA RECORD

NAME: ALANA

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 210431.18N/1575620.71W

TYPE: WP, INT, DME

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	HONOLULU	HNL	VORTAC	H	171.00	182.00	13.94	13.94	3000	45000
2	MOLOKAI	MKK	VORTAC	H	254.18	265.18	43.45	43.45	3000	45000
3	LANAI	LNK	VORTAC	H	278.00	289.00	57.58	57.58	5000	45000
4	KOKO HEAD	CKH	VORTAC	H	218.45	229.45	17.44	17.44	3000	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
MKK	VORTAC	R-254	44	3000	16000
LNK	VORTAC	R-278	58	5000	15800

## FIX RESTRICTIONS:

MRA V21 5000 SOUTHEAST BOUND  
MRA V16 5000 SOUTHEAST BOUND  
MRA V16 5000 NORTHWEST BOUND

## 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	S	HNL	VORTAC	171.00	351.00	R	1		3000	14000	6	15
2	S		WP	171.00	351.00	R		4	3000	14000	5	13
3	SW	CKH	VORTAC	218.45	038.45	R	1		3000	14000	6	15

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	SHIP	210431.00N/1575620.00W	208	2C
1	310	SHIP	210431.00N/1575620.00W	208	2C
2	200	SHIP	210431.00N/1575620.00W	208	2C
2	310	SHIP	210431.00N/1575620.00W	208	2C
3	200	SHIP	210431.00N/1575620.00W	208	2C
3	310	SHIP	210431.00N/1575620.00W	208	2C

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS RWY 8L	PHNL	HONOLULU	HI (US)
1	LOC RWY 8L	PHNL	HONOLULU	HI (US)
2	RNAV (GPS) Y RWY 8L	PHNL	HONOLULU	HI (US)
3	ILS RWY 8L (ALT MISSED)	PHNL	HONOLULU	HI (US)
3	LOC RWY 8L (ALT MISSED)	PHNL	HONOLULU	HI (US)

## REMARKS:

HONOLULU (FAC 1) AND MOLOKAI (FAC 2) USED TO ESTABLISH FIX COORDINATES  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALANA	1, 2		PHNL	HONOLULU	HI (US)
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	HONOLULU	1		PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
EN ROUTE	V16					HI (US)
EN ROUTE	V21					HI (US)
EN ROUTE	V8					HI (US)
IAP	ILS RWY 8L	1, 2	1	PHNL	HONOLULU	HI (US)
IAP	ILS RWY 8L (ALT MISSED)	3, 4	3	PHNL	HONOLULU	HI (US)
IAP	ILS Y RWY 4R	1, 2	1	PHNL	HONOLULU	HI (US)
IAP	ILS Y RWY 4R (ALT MISSED)	4	3	PHNL	HONOLULU	HI (US)
IAP	ILS Z RWY 4R	1, 2	1	PHNL	HONOLULU	HI (US)
IAP	ILS Z RWY 4R (ALT MISSED)	4	3	PHNL	HONOLULU	HI (US)
IAP	LDA RWY 26L	1, 2	1	PHNL	HONOLULU	HI (US)
IAP	LOC RWY 4R	1, 2	1, 3	PHNL	HONOLULU	HI (US)
IAP	LOC RWY 4R (ALT MISSED)	1, 3	3	PHNL	HONOLULU	HI (US)
IAP	LOC RWY 8L	1, 2	1	PHNL	HONOLULU	HI (US)
IAP	LOC RWY 8L (ALT MISSED)	3, 4	3	PHNL	HONOLULU	HI (US)
IAP	RNAV (GPS) RWY 4L		2	PHNL	HONOLULU	HI (US)
IAP	RNAV (GPS) RWY 8R		2	PHNL	HONOLULU	HI (US)
IAP	RNAV (GPS) Y RWY 4R		2	PHNL	HONOLULU	HI (US)

IAP	RNAV (GPS) Y RWY 8L		2	PHNL	HONOLULU	HI (US)
IAP	RNAV (RNP) RWY 26L		2	PHNL	HONOLULU	HI (US)
IAP	RNAV (RNP) Z RWY 4R		2	PHNL	HONOLULU	HI (US)
IAP	RNAV (RNP) Z RWY 8L		2	PHNL	HONOLULU	HI (US)
IAP	VOR OR TACAN -A	1, 2	1	PHNL	HONOLULU	HI (US)
IAP	VOR OR TACAN -B	1, 2	1	PHNL	HONOLULU	HI (US)
IAP	VOR OR TACAN RWY 4R	1, 2	1	PHNL	HONOLULU	HI (US)
IAP	RNAV (GPS)-C		2	PHHI	WAHIAWA	HI (US)
IAP	VOR OR TACAN-B	1, 2	1	PHHI	WAHIAWA	HI (US)
STAR	JULLE			PHNL	HONOLULU	HI (US)
STAR	MAKAH (RNAV)			PHNL	HONOLULU	HI (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 7

**DATE OF REVISION:** 01/30/2020

**REASON FOR REVISION:**

1. CHANGED PAT 1 AND PAT 2 MIN/MAX TEMPLATES FROM 4/10 TO 6/15.
2. CHANGED PAT 2 MAX TEMPLATE FROM 11 TO 13.
3. ADDED PAT 2 CONTROLLING OBSTACLE, 310 KIAS, 208 FT MSL SHIP, 210431.00N/1575620.00W (2C).
4. ADDED RNAV (GPS) Y RWY 8L AND PAT 2 AT PHNL TO PROCEDURES REQUIRING CLIMB-IN-HOLD.
5. UPDATED FIX USE. REMOVED PAT 3 FROM ILS Y RWY 4R AT PHNL.
6. ADDED ILS Y RWY 4R (ALT MISSED), KOKO HEAD (FAC 4), AND PAT 3 TO FIX USE AT PHNL.
7. UPDATED FIX USE. REMOVED PAT 3 FROM ILS Z RWY 4R AT PHNL.
8. ADDED ILS Z RWY 4R (ALT MISSED), KOKO HEAD (FAC 4), AND PAT 3 TO FIX USE AT PHNL.
9. ADDED LOC RWY 4R (ALT MISSED), HONOLULU (FAC 1) AND LANAI (FAC 3), AND PAT 3 TO FIX USE AT PHNL.
10. ADDED RNAV (GPS) Y RWY 8L AND PAT 2 TO FIX USE AT PHNL.
11. ADDED MAKAH (RNAV) STAR TO FIX USE AT PHNL.
12. ADDED MILITARY IAP, CONTROLLER LOW AND CONTROLLER HIGH TO REQUIRED CHARTING.
13. ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.

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

**OFFICE OF PRIMARY RESPONSIBILITY:**                      AJV-A422                      **NAME:** JASON KRETSCHMER

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

**SIGNATURE:**

**DISTRIBUTION:**    **NFDC**  
**FPO:** WST  
**ARTCC:** ZHN  
**ATC FACILITY:** HCF APP CON  
**OTHER:** USAASA

# RADIO FIX AND HOLDING DATA RECORD

NAME: APACK

STATE: OP

COUNTRY: US

ICAO REGION CODE: P

LATITUDE/LONGITUDE: 240237.33N/1561910.35W

TYPE: WP, DME

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	FAC FEET	MRA	MAA
1	MOLOKAI	MKK	VORTAC	H	004.00	015.00	180.00	180.00		24000	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
MKK	VORTAC	R-004	180	24000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	MOLOKAI	1		PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
DP	HIAKA (RNAV)			PHOG	KAHULUI	HI (US)
DP	PUHEE (RNAV)			PHOG	KAHULUI	HI (US)
DP	JELIE (RNAV)			PHJR	KAPOLEI	HI (US)
EN ROUTE	R463	1				(US)
STAR	INOYI (RNAV)			PHNL	HONOLULU	HI (US)
STAR	KAENA (RNAV)			PHNL	HONOLULU	HI (US)
STAR	MAGGI	1		PHNL	HONOLULU	HI (US)
STAR	SYMIN (RNAV)			PHNL	HONOLULU	HI (US)
STAR	LNDHY (RNAV)			PHOG	KAHULUI	HI (US)

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

COMPULSORY REPORTING POINT: HIGH

RECORD REVISION NUMBER: 9

DATE OF REVISION: 01/30/2020

## REASON FOR REVISION:

ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.  
ADDED SYMIN (RNAV) AND INOYI (RNAV) STARS TO FIX USE.  
ADDED DP PHJR JELIE (RNAV) TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: CHRISTINE BAYSE

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

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

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** CANON

**STATE:** OP

**COUNTRY:** US

**ICAO REGION CODE:** P

**LATITUDE/LONGITUDE:** 224805.40N/1623700.80W

**TYPE:** WP, DME

**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	FAC FEET	MRA	MAA
1	SOUTH KAUAI	SOK	VORTAC	H	277.00	288.00	180.00	180.00		8000	45000

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SOK	VORTAC	R-277	180	32000	45000

**HOLDING:**

**HOLDING TYPE OF ACTION:** NO CHANGE

**REMARKS:**

PRIMARY FIX ON TOKYO FLEX TRACK SYSTEM. HNL ARTCC

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
DP	HIKA (RNAV)			PHOG	KAHULUI	HI (US)
DP	PUHEE (RNAV)			PHOG	KAHULUI	HI (US)
EN ROUTE	V15	1				(US)
STAR	BOOKE	1		PHNL	HONOLULU	HI (US)
STAR	KLANI (RNAV)			PHNL	HONOLULU	HI (US)

**REQUIRED CHARTING:** DP, STAR, EN ROUTE LOW, EN ROUTE HIGH

**COMPULSORY REPORTING POINT:** HIGH

**RECORD REVISION NUMBER:** 8

**DATE OF REVISION:** 01/30/2020

**REASON FOR REVISION:**

ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.  
ADDED DP TO REQUIRED CHARTING.  
UPDATED PHNL STAR FIX USE TITLE FROM BROOKE TO BOOKE.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

**NAME:** CHRISTINE BAYSE

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-A430

**NAME:** GEORGE DAVIS

**SIGNATURE:**

**DISTRIBUTION:**

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

# RADIO FIX AND HOLDING DATA RECORD

NAME: CARRP

STATE: OP

COUNTRY: US

ICAO REGION CODE: P

LATITUDE/LONGITUDE: 190424.00N/1593500.00W

TYPE: WP, DME

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	FAC FEET	MRA	MAA
1	HONOLULU	HNL	VORTAC	H	204.21	215.21	162.94	162.94		31000	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
HNL	VORTAC	R-204	163	31000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

OCEANIC INGRESS/EGRESS FIX FOR A579  
FIX PLOTTED AS WAYPOINT. CARPP W/P COLLOCATED WITH CARRP FIX.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	OPIHI			PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
DP	HIAKA (RNAV)			PHOG	KAHULUI	HI (US)
DP	PUHEE (RNAV)			PHOG	KAHULUI	HI (US)
STAR	OPACA			PHNL	HONOLULU	HI (US)

REQUIRED CHARTING: DP, STAR, AREA, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: HIGH

RECORD REVISION NUMBER: 2

DATE OF REVISION: 01/30/2020

## REASON FOR REVISION:

ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.  
ADDED STAR TO REQUIRED CHARTING.  
REMOVED MILITARY IAP FROM REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: CHRISTINE BAYSE

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZHN  
ATC FACILITY: HNL ATCT  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: CLUTS

STATE: OP

COUNTRY: US

ICAO REGION CODE: P

LATITUDE/LONGITUDE: 230011.73N/1543917.18W

TYPE: WP, DME

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	FAC FEET	MRA	MAA
1	MOLOKAI	MKK	VORTAC	H	040.00	051.00	179.00	179.00		26000	45000
2	MAUI	OGG	VORTAC	H	026.83	037.83	159.43	159.43		26000	45000
3	UPOLU POINT	UPP	VORTAC	H	010.42	021.42	180.26	180.26		26000	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
MKK	VORTAC	R-040	179	26000	45000
OGG	VORTAC	R-027	160	26000	45000
UPP	VORTAC	R-010	181	26000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

MOLOKAI (FAC 1) USED TO ESTABLISH FIX COORDINATES

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	MOLOKAI	1, 2, 3		PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
DP	HIAKA (RNAV)			PHOG	KAHULUI	HI (US)
DP	PUHEE (RNAV)			PHOG	KAHULUI	HI (US)
DP	JELIE (RNAV)			PHJR	KAPOLEI	HI (US)
EN ROUTE	R465	1				(US)
EN ROUTE	V25	1				(US)
STAR	KAENA (RNAV)			PHNL	HONOLULU	HI (US)
STAR	MAGGI	1, 2, 3		PHNL	HONOLULU	HI (US)

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

COMPULSORY REPORTING POINT: LOW/HIGH

RECORD REVISION NUMBER: 8

DATE OF REVISION: 01/30/2020

## REASON FOR REVISION:

ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.  
ADDED REMARK "MOLOKAI (FAC 1) USED TO ESTABLISH FIX COORDINATES".  
ADDED DP PHJR JELIE (RNAV) TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: CHRISTINE BAYSE

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

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

# RADIO FIX AND HOLDING DATA RECORD

NAME: DANNO

STATE: OP

COUNTRY: US

ICAO REGION CODE: P

LATITUDE/LONGITUDE: 233159.64N/1613454.36W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**REMARKS:**

OCEANIC INGRESS FIX ON BOOKE ARRIVAL.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
DP	HIAKA (RNAV)			PHOG	KAHULUI	HI (US)
DP	PUHEE (RNAV)			PHOG	KAHULUI	HI (US)
EN ROUTE	HONOLULU/TOKYO FLEX TRACK					(US)
STAR	BOOKE			PHNL	HONOLULU	HI (US)
STAR	KLANI (RNAV)			PHNL	HONOLULU	HI (US)

REQUIRED CHARTING: DP, STAR, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 01/30/2020

**REASON FOR REVISION:**

ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: CHRISTINE BAYSE

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

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

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** DOVRR

**STATE:** OP

**COUNTRY:** US

**ICAO REGION CODE:** P

**LATITUDE/LONGITUDE:** 184300.00N/1574000.00W

**TYPE:** WP, DME

**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	HONOLULU	HNL	VORTAC	H	163.46	174.46	155.63	155.63	29000	45000
2	MOLOKAI	MKK	VORTAC	H	180.12	191.12	147.47	147.47	17000	45000

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
HNL	VORTAC	R-163	156	29000	45000
MKK	VORTAC	R-180	148	17000	45000

**HOLDING:**

**HOLDING TYPE OF ACTION:** NO CHANGE

**REMARKS:**

HONOLULU (FAC 1) USED TO ESTABLISH FIX COORDINATES

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	OPIHI			PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
DP	HIAKA (RNAV)			PHOG	KAHULUI	HI (US)
DP	PUHEE (RNAV)			PHOG	KAHULUI	HI (US)
EN ROUTE	OCEANIC INGRESS/EGRESS	1, 2				HI (US)
	FIX FOR G347, B575, AND B596					
STAR	JULLE	1, 2		PHNL	HONOLULU	HI (US)
STAR	SAKKI	1, 2		PHNL	HONOLULU	HI (US)

**REQUIRED CHARTING:** DP, STAR, AREA, EN ROUTE LOW, EN ROUTE HIGH

**COMPULSORY REPORTING POINT:** HIGH

**RECORD REVISION NUMBER:** 3

**DATE OF REVISION:** 01/30/2020

**REASON FOR REVISION:**

ADDED DP PHNL BANZI (RNAV), PIPLN (RNAV) AND OPIHI TO FIX USE.  
ADDED STAR AND REMOVED MILITARY IAP FROM REQUIRED CHARTING.  
ADDED REMARK "HONOLULU (FAC 1) USED TO ESTABLISH FIX COORDINATES".

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

**NAME:** CHRISTINE BAYSE

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-A430

**NAME:** GEORGE DAVIS

**SIGNATURE:**

**DISTRIBUTION:**

NFDC  
FPO: WST  
ARTCC: ZHN  
ATC FACILITY: HNL ATCT  
OTHER:



# RADIO FIX AND HOLDING DATA RECORD

**NAME:** EBBER **STATE:** OP **COUNTRY:** US **ICAO REGION CODE:** P

**LATITUDE/LONGITUDE:** 214248.36N/1530850.22W **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	UPOLO POINT	UPP	VORTAC	H	047.67	058.67	176.35	176.35	24000	45000
2	HILO	ITO	VORTAC	H	030.03	041.03	158.64	158.64	24000	45000

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
UPP	VORTAC	R-048	177	24000	45000
ITO	VORTAC	R-030	159	24000	45000

**HOLDING:** **HOLDING TYPE OF ACTION:** NO CHANGE

**REMARKS:**

FAC 1 & 2: GEOGRAPHIC COORDINATES ON HNL CTA DETERMINE FIX LOCATION AND DMES.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	MOLOKAI	1, 2		PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
DP	HIKA (RNAV)			PHOG	KAHULUI	HI (US)
DP	PUHEE (RNAV)			PHOG	KAHULUI	HI (US)
DP	JELIE (RNAV)			PHJR	KAPOLEI	HI (US)
EN ROUTE	R577	1, 2				(US)

**REQUIRED CHARTING:** DP, EN ROUTE LOW

**COMPULSORY REPORTING POINT:** HIGH

**RECORD REVISION NUMBER:** 6 **DATE OF REVISION:** 01/30/2020

**REASON FOR REVISION:**

ADDED WP TO FIX TYPE.  
ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.  
UPDATED FAC 2 DME AND DIST FROM FAC NM FROM 158.65 TO 158.64.  
ADDED DP PHJR JELIE (RNAV) TO FIX USE.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>OFFICE OF PRIMARY RESPONSIBILITY:</b>		AJV-A432	<b>NAME:</b> CHRISTINE BAYSE
<b>APPROVED BY:</b>	<b>DATE:</b>	<b>OFFICE:</b> AJV-A430	<b>NAME:</b> GEORGE DAVIS

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
FPO: WST  
ARTCC: ZHN  
ATC FACILITY:  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: FITES

STATE: OP

COUNTRY: US

ICAO REGION CODE: P

LATITUDE/LONGITUDE: 204740.40N/1530002.28W

TYPE: WP, INT, DME

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	FAC FEET	MRA	MAA
1	UPOLU POINT	UPP	VORTAC	H	066.00	077.00	164.00	164.00		21000	45000
2	HILO	ITO	VORTAC	H	049.16	060.16		130.29		21000	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
UPP	VORTAC	R-066	164	21000	45000
ITO	VORTAC	R-049	131	21000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

UPOLU POINT (FAC 1) AND HILO (FAC 2) USED TO ESTABLISH FIX COORDINATES

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	MOLOKAI	1, 2		PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
DP	JELIE (RNAV)			PHJR	KAPOLEI	HI (US)
EN ROUTE	R578					(US)
STAR	LAVAS (RNAV)			PHOG	KAHULUI	HI (US)
STAR	LNDHY (RNAV)			PHOG	KAHULUI	HI (US)

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

COMPULSORY REPORTING POINT: HIGH

RECORD REVISION NUMBER: 5

DATE OF REVISION: 01/30/2020

## REASON FOR REVISION:

ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.  
UPDATED ITO ESV MIN ALTITUDE FROM 16000 TO 21000.  
ADDED DP PHJR JELIE (RNAV) TO FIX USE.

12/12/19: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/03/19.  
1. ADDED R578 TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: CHRISTINE BAYSE

APPROVED BY:

DATE: 12/03/2019

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZHN  
ATC FACILITY: HCF TRACON  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: GECKO STATE: HI COUNTRY: US ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 211132.10N/1581835.21W TYPE: WP, DME

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	HONOLULU	HNL	VORTAC	H	240.99	251.99	22.37	22.37	3000	45000
2	LANAI	LNJ	VORTAC	H	278.00	289.00	79.51	79.51	7000	45000
3	SOUTH KAUAI	SOK	VORTAC	H	110.61	121.61	80.26	80.26	10000	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LNJ	VORTAC	R-278	80	7000	15800
SOK	VORTAC	R-111	81	10000	15200

## FIX RESTRICTIONS:

MRA V16 10000

## HOLDING:

HOLDING TYPE OF ACTION: MODIFY

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	HOLDING ALTITUDES DME	MIN	MAX	TEMPLATES MIN	MAX
1	SW		WP	240.86	060.86	R		4	3000	6000	5	6
2	SW	HNL	VORTAC	240.99	060.99	R	1		3000	6000	7	8

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	208' SHIP	211132.10N/1581835.21W	208	4D
2	230	208' SHIP	211536.00N/1581451.00W	208	4D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

HONOLULU (FAC 1) USED TO ESTABLISH FIX COORDINATES  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
DP	TAKEOFF MINIMUMS	1		PHJR	KAPOLEI, OAHU ISLAND	HI (US)
EN ROUTE	V16	1, 2, 3				HI (US)
EN ROUTE	V4	1, 2, 3				HI (US)
IAP	RNAV (GPS) RWY 4L			PHNL	HONOLULU	HI (US)
IAP	RNAV (GPS) RWY 8R			PHNL	HONOLULU	HI (US)
IAP	RNAV (GPS) Y RWY 4R			PHNL	HONOLULU	HI (US)
IAP	RNAV (GPS) Y RWY 8L			PHNL	HONOLULU	HI (US)
IAP	RNAV (GPS) RWY 4R		1	PHJR	KAPOLEI	HI (US)
IAP	VOR/DME RWY 4R	1	2	PHJR	KAPOLEI	HI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 01/30/2020

## REASON FOR REVISION:

ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.  
REMOVED HOLDING PAT 3 AND ASSOCIATED CONTROLLING OBSTRUCTION.  
REMOVED PAT 3 FROM FIX USE ON IAP RNAV (GPS) Y RWY 8L AT PHNL.  
ADDED CONTROLLER LOW AND CONTROLLER HIGH IN REQUIRED CHARTING.  
UPDATED HOLDING PAT 1 MAX TEMPLATE FROM 14 TO 6.  
UPDATED HOLDING PAT 2 MAX TEMPLATE FROM 14 TO 8.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: CHRISTINE BAYSE

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

**SIGNATURE:****DISTRIBUTION:**

**NFDC**  
**FPO:** WST  
**ARTCC:** ZHN  
**ATC FACILITY:** HCF/ JRF ATCT  
**OTHER:** HI ANG

# RADIO FIX AND HOLDING DATA RECORD

NAME: HAUNA

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 210538.83N/1574245.06W

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 NM	FAC FEET	MRA	MAA
1	HONOLULU	HNL	VORTAC	H	125.31	136.31	17.70	17.70		3000	45000
2	MOLOKAI	MKK	VORTAC	H	254.18	265.18		30.69		2000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

HONOLULU (FAC 1) AND MOLOKAI (FAC 2) USED TO ESTABLISH FIX COORDINATES

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	HONOLULU (OBSTACLE)	1, 2		PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
EN ROUTE	V20	1, 2				(US)
EN ROUTE	V8	1, 2				(US)
IAP	VOR OR TACAN-A	1, 2		PHNL	HONOLULU	HI (US)

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 2

DATE OF REVISION: 01/30/2020

## REASON FOR REVISION:

ADDED WP TO TYPE.

ADDED DIST FROM FAC NM TO FAC 1 17.70.

ADDED DIST FROM FAC NM TO FAC 2 30.69.

ADDED DP PHNL BANZI (RNAV), PIPLN (RNAV) AND HONOLULU (OBSTACLE) TO FIX USE

UPDATED FIX USE FORMAT.

ADDED DP TO REQUIRED CHARTING.

UPDATED CONTROLLER TO CONTROLLER LOW IN REQUIRED CHARTING.

REPLACED REMARK "FIX COMPUTED AS INTERSECTION OF V20 AND V8" WITH "HONOLULU (FAC 1) AND MOLOKAI (FAC 2) USED TO ESTABLISH FIX COORDINATES".

12/12/19: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/03/19.

1. UPDATED COMPULSORY REPORTING POINT FROM NO TO LOW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: CHRISTINE BAYSE

APPROVED BY:

DATE: 12/03/2019

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

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

# RADIO FIX AND HOLDING DATA RECORD

NAME: HOOPA

STATE: OP

COUNTRY: US

ICAO REGION CODE: P

LATITUDE/LONGITUDE: 210700.00N/1625000.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**FIX USE:**

USE TYPE  
DP  
DP  
EN ROUTE

USE TITLE  
BANZI (RNAV)  
PIPLN (RNAV)  
A450

FAC PAT

AIRPORT IDENT  
PHNL  
PHNL

CITY  
HONOLULU  
HONOLULU

STATE  
HI (US)  
HI (US)  
(US)

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

COMPULSORY REPORTING POINT: LOW/HIGH

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/30/2020

**REASON FOR REVISION:**

ADDED WP TO TYPE.  
ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.  
ADDED DP, EN ROUTE HIGH, EN ROUTE LOW TO REQUIRED CHARTING.

12/12/19: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/03/19.

1. ADDED A450 TO FIX USE.
2. REMOVED REMARK "FIX IS ON A450 OCEANIC ROUTE.
3. UPDATED COMPULSORY REPORTING POINT FROM NO TO LOW/HIGH.
4. ADDED CONTROLLER HIGH AND CONTROLLER LOW TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: CHRISTINE BAYSE

APPROVED BY:

DATE: 12/03/2019

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

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

# RADIO FIX AND HOLDING DATA RECORD

NAME: KATHS

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 210437.40N/1612310.80W

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 NM	FAC FEET	MRA	MAA
1	SOUTH KAUAI	SOK	VORTAC	H	234.00	245.00	115.00	115.00		22000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	KEOLA	1		PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
EN ROUTE	A450					(US)
EN ROUTE	V12	1				(US)
STAR	OPACA	1		PHNL	HONOLULU	HI (US)

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

COMPULSORY REPORTING POINT: LOW/HIGH

RECORD REVISION NUMBER: 3

DATE OF REVISION: 01/30/2020

## REASON FOR REVISION:

ADDED DIST FROM FAC NM 115 TO FAC 1.  
REMOVED REMARK "FIX PLOTTED AS WAYPOINT. KATHS W/P COLLOCATED WITH KATHS FIX".  
UPDATED FIX USE FORMAT.  
ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.

12/12/19: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/03/19.

1. ADDED A450 TO FIX USE.
2. ADDED EN ROUTE HIGH, CONTROLLER LOW AND CONTROLLER HIGH TO REQUIRED CHARTING.
3. UPDATED COMPULSORY REPORTING POINT FROM NO TO LOW/HIGH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: CHRISTINE BAYSE

APPROVED BY:

DATE: 12/03/2019

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZHN  
ATC FACILITY: HNL ATCT  
OTHER: ZHN-530, USAF

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** KEOLA **STATE:** HI **COUNTRY:** US **ICAO REGION CODE:** PH

**LATITUDE/LONGITUDE:** 211753.24N/1582925.89W **TYPE:** WP, RADAR, DME

**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	HONOLULU	HNL	VORTAC	H	257.99	268.99	31.39	31.39	4000	45000
2	SOUTH KAUAI	SOK	VORTAC	H	110.62	121.62	68.32	68.32	9000	45000

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SOK	VORTAC	R-111	69	9000	15200

**FIX RESTRICTIONS:**

MRA V16 10000

**HOLDING:** **HOLDING TYPE OF ACTION:** NO CHANGE

**REMARKS:**

HONOLULU (FAC 1) AND SOUTH KAUAI (FAC 2) USED TO ESTABLISH FIX COORDINATES

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	KEOLA	1, 2		PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
DP	JELIE (RNAV)			PHJR	KAPOLEI	HI (US)
EN ROUTE	V12	1, 2				(US)
EN ROUTE	V16	1, 2				(US)
IAP	RNAV (GPS) Y RWY 4R			PHNL	HONOLULU	HI (US)
IAP	RNAV (GPS) RWY 4R			PHJR	KAPOLEI	HI (US)

**REQUIRED CHARTING:** DP, IAP, EN ROUTE LOW, CONTROLLER LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 4 **DATE OF REVISION:** 01/30/2020

**REASON FOR REVISION:**

ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.  
 UPDATED CONTROLLER TO CONTROLLER LOW IN REQUIRED CHARTING.  
 UPDATED THE ESV MAX ALTITUDE FROM 15100 TO 15200.

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

**OFFICE OF PRIMARY RESPONSIBILITY:** AJV-A432 **NAME:** CHRISTINE BAYSE

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

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
 FPO: WST  
 ARTCC: ZHN  
 ATC FACILITY: HCF APP, HNL ATCT  
 OTHER:



# RADIO FIX AND HOLDING DATA RECORD

**NAME:** KONA VORTAC      **STATE:** HI      **COUNTRY:** US      **ICAO REGION CODE:** PH  
**LATITUDE/LONGITUDE:** 194302.06N/1560241.71W      **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	KONA	KOA	VORTAC	H						45000

**HOLDING:**      **HOLDING TYPE OF ACTION:** NO CHANGE

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
DP	BEACH			PHOG	KAHULUI	HI (US)
DP	HIAKA (RNAV)			PHOG	KAHULUI	HI (US)
DP	PUHEE (RNAV)			PHOG	KAHULUI	HI (US)
DP	STACEY			PHOG	KAHULUI	HI (US)
DP	AMERY			PHKO	KAILUA-KONA	HI (US)
EN ROUTE	B595					(US)
EN ROUTE	V1					(US)
EN ROUTE	V20					(US)
EN ROUTE	V5					(US)
EN ROUTE	V7					(US)
IAP	ILS OR LOC RWY 17			PHKO	KAILUA-KONA	HI (US)
IAP	LOC BC RWY 35			PHKO	KAILUA-KONA	HI (US)
IAP	RNAV (GPS) RWY 35			PHKO	KAILUA-KONA	HI (US)
IAP	RNAV (GPS) Y RWY 17			PHKO	KAILUA-KONA	HI (US)
IAP	VOR OR TACAN RWY 17			PHKO	KAILUA-KONA	HI (US)
IAP	VOR OR TACAN RWY 35			PHKO	KAILUA-KONA	HI (US)
STAR	JULLE			PHNL	HONOLULU	HI (US)
STAR	SAKKI			PHNL	HONOLULU	HI (US)
STAR	LAVAS (RNAV)			PHOG	KAHULUI	HI (US)
STAR	KAYAK			PHKO	KAILUA-KONA	HI (US)
STAR	VECKI			PHKO	KAILUA-KONA	HI (US)

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

**COMPULSORY REPORTING POINT:** LOW/HIGH

**RECORD REVISION NUMBER:** 10      **DATE OF REVISION:** 01/30/2020

**REASON FOR REVISION:**

ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.  
ADDED STAR PHOG LAVAS (RNAV) AND REMOVED LNDHY.

**INITIATED BY:**      **DATE:**      **ORGANIZATION:**      **NAME:**  
**OFFICE OF PRIMARY RESPONSIBILITY:**      AJV-A432      **NAME:** CHRISTINE BAYSE  
**APPROVED BY:**      **DATE:**      **OFFICE:** AJV-A430      **NAME:** GEORGE DAVIS

**SIGNATURE:**

**DISTRIBUTION:**      **NFDC**  
                          **FPO:** WST  
                          **ARTCC:** ZHN  
                          **ATC FACILITY:** KOA ATCT  
                          **OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** LILIA **STATE:** OP **COUNTRY:** US **ICAO REGION CODE:** P

**LATITUDE/LONGITUDE:** 223027.72N/1613459.46W **TYPE:** WP, DME

**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	FAC FEET	MRA	MAA
1	SOUTH KAUAI	SOK	VORTAC	H	277.00	288.00	120.00			8000	45000

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SOK	VORTAC	R-277	120	8000	18700

**HOLDING:** **HOLDING TYPE OF ACTION:** NO CHANGE

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	KEOLA (RNAV)			PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
DP	HIAKA (RNAV)			PHOG	KAHULUI	HI (US)
DP	PUHEE (RNAV)			PHOG	KAHULUI	HI (US)
EN ROUTE	V15	1				(US)

**REQUIRED CHARTING:** DP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** LOW/HIGH

**RECORD REVISION NUMBER:** 3 **DATE OF REVISION:** 01/30/2020

**REASON FOR REVISION:**

ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.  
 UPDATED PUHEE (RNAV) FROM IAP TO DP.  
 UPDATED ESV MAX ALTITUDE FROM 45000 TO 18700.

12/12/19: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/03/19.  
 1. ADDED CONTROLLER LOW AND CONTROLLER HIGH TO REQUIRED CHARTING.  
 2. UPDATED COMPULSORY REPORTING POINT FROM NO TO LOW/HIGH.

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

**OFFICE OF PRIMARY RESPONSIBILITY:** AJV-A432 **NAME:** CHRISTINE BAYSE

**APPROVED BY:** **DATE:** 12/03/2019 **OFFICE:** AJV-A430 **NAME:** GEORGE DAVIS

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
 FPO: WST  
 ARTCC: ZHN  
 ATC FACILITY:  
 OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: OPIHI

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 210545.06N/1580014.31W

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	HONOLULU	HNL	VORTAC	H	187.00	198.00	13.36	13.36		2000	45000
2	LANAI	LNY	VORTAC	H	278.00	289.00	61.42	61.42		7000	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LNY	VORTAC	R-278	62	7000	15800

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

HONOLULU (FAC 1) AND LANAI (FAC 2) USED TO ESTABLISH FIX COORDINATES

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	OPIHI	1, 2		PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
EN ROUTE	V16-21	1, 2				(US)

REQUIRED CHARTING: DP, AREA, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/30/2020

## REASON FOR REVISION:

ADDED WP TO FIX TYPE.  
ADDED DIST FROM FAC NM TO FAC 1 13.36 NM AND UPDATED DME FROM 13.35 TO 13.36.  
ADDED DIST FROM FAC NM TO FAC 2 61.42 NM AND UPDATED DME FROM 61.41 TO 61.42.  
ADDED FAC 2 ESV INFORMATION.  
UPDATED FIX USE FORMAT.  
ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.  
ADDED EN ROUTE LOW AND EN ROUTE HIGH TO REQUIRED CHARTING.  
UPDATED ESV MAX ALTITUDE FROM 45000 TO 15800.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: CHRISTINE BAYSE

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZHN  
ATC FACILITY: HNL ATCT  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** PALAY

**STATE:** HI

**COUNTRY:** US

**ICAO REGION CODE:** PH

**LATITUDE/LONGITUDE:** 210620.74N/1573413.24W

**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 NM	FAC FEET	MRA	MAA
1	HONOLULU	HNL	VORTAC	H	109.90	120.90	23.54	23.54		3500	45000
2	MOLOKAI	MKK	VORTAC	H	254.18	265.18	22.68	22.68		2000	45000
3	KOKO HEAD	CKH	VORTAC	H	131.00	142.00	12.09	12.09		5000	45000

**HOLDING:**

**HOLDING TYPE OF ACTION:** NO CHANGE

**REMARKS:**

HONOLULU (FAC1) AND MOLOKAI (FAC2) USED TO ESTABLISH FIX COORDINATES

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	PALAY	1, 2		PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
DP	JELIE (RNAV)			PHJR	KAPOLEI	HI (US)
DP	KOKO HEAD	1, 2, 3		PHHI	WAHIAWA	HI (US)
EN ROUTE	V2	1				HI (US)
EN ROUTE	V8	1, 2				HI (US)
IAP	VOR OR TACAN-A	1, 2		PHMK	KAUNAKAKAI	HI (US)

**REQUIRED CHARTING:** DP, MILITARY DP, IAP, AREA, EN ROUTE LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 4

**DATE OF REVISION:** 01/30/2020

**REASON FOR REVISION:**

ADDED WP TO TYPE.  
 ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.  
 UPDATED TITLE FROM "MKK VOR OR TACAN-A" TO "VOR OR TACAN-A" IN FIX USE.  
 UPDATED FAC 3 MAG/TRUE BRG FROM "142.00/153.00" TO "131.00/142.00".  
 ADDED DP PHJR JELIE (RNAV) TO FIX USE.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

**NAME:** CHRISTINE BAYSE

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-A430

**NAME:** GEORGE DAVIS

**SIGNATURE:**

**DISTRIBUTION:**

**NFDC**  
**FPO:** WST  
**ARTCC:** ZHN  
**ATC FACILITY:** HCF, HHI ATCT  
**OTHER:** USAASA, HNL FSS

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** PUPPI

**STATE:** OP

**COUNTRY:** US

**ICAO REGION CODE:** P

**LATITUDE/LONGITUDE:** 215516.98N/1614046.68W

**TYPE:** WP, DME

**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	SOUTH KAUAI	SOK	VORTAC	H	260.00	271.00	120.00	120.00		11000	45000

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SOK	VORTAC	R-260	120	11000	18700

**FIX RESTRICTIONS:**

MRA V16 11000

**HOLDING:**

**HOLDING TYPE OF ACTION:** NO CHANGE

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	KEOLA	1		PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
DP	HIKA (RNAV)			PHOG	KAHULUI	HI (US)
DP	PUHEE (RNAV)			PHOG	KAHULUI	HI (US)
EN ROUTE	V16	1				(US)
STAR	BOOKE	1		PHNL	HONOLULU	HI (US)
STAR	KLANI (RNAV)			PHNL	HONOLULU	HI (US)

**REQUIRED CHARTING:** DP, STAR, EN ROUTE LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 4

**DATE OF REVISION:** 01/30/2020

**REASON FOR REVISION:**

ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

**NAME:** CHRISTINE BAYSE

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-A430

**NAME:** GEORGE DAVIS

**SIGNATURE:**

**DISTRIBUTION:**

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

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** SCOON **STATE:** OP **COUNTRY:** US **ICAO REGION CODE:** P

**LATITUDE/LONGITUDE:** 201522.70N/1521411.80W **TYPE:** WP, DME

**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	HILO	ITO	VORTAC	H	067.00	078.00	160.00	160.00		22000	45000

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ITO	VORTAC	R-067	160	22000	45000

**HOLDING:** **HOLDING TYPE OF ACTION:** NO CHANGE

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
DP	HIKA (RNAV)			PHOG	KAHULUI	HI (US)
DP	PUHEE (RNAV)			PHOG	KAHULUI	HI (US)
EN ROUTE	V22-V21	1				(US)
STAR	LAVAS (RNAV)			PHOG	KAHULUI	HI (US)

**REQUIRED CHARTING:** DP, STAR, EN ROUTE LOW, EN ROUTE HIGH

**COMPULSORY REPORTING POINT:** LOW/HIGH

**RECORD REVISION NUMBER:** 2 **DATE OF REVISION:** 01/30/2020

**REASON FOR REVISION:**

ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.  
UPDATED FIX USE TITLE FROM "LAVAS" TO "LAVAS (RNAV)".

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

**OFFICE OF PRIMARY RESPONSIBILITY:** **NAME:** CHRISTINE BAYSE

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

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
FPO: WST  
ARTCC: ZHN  
ATC FACILITY:  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** SYVAD **STATE:** OP **COUNTRY:** US **ICAO REGION CODE:** P

**LATITUDE/LONGITUDE:** 215528.00N/1624528.78W **TYPE:** WP, DME

**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	FAC FEET	MRA	MAA
1	SOUTH KAUAI	SOK	VORTAC	H	260.06	271.06	180.16	180.16		32000	45000

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SOK	VORTAC	R-260	181	32000	45000

**FIX RESTRICTIONS:**

MRA V16 32000

**HOLDING:**

**HOLDING TYPE OF ACTION:** NO CHANGE

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
DP	HIKA (RNAV)			PHOG	KAHULUI	HI (US)
DP	PUHEE (RNAV)			PHOG	KAHULUI	HI (US)
EN ROUTE	V16	1				(US)
STAR	BOOKE	1		PHNL	HONOLULU	HI (US)
STAR	KLANI (RNAV)			PHNL	HONOLULU	HI (US)

**REQUIRED CHARTING:** DP, STAR, EN ROUTE LOW, EN ROUTE HIGH

**COMPULSORY REPORTING POINT:** HIGH

**RECORD REVISION NUMBER:** 4

**DATE OF REVISION:** 01/30/2020

**REASON FOR REVISION:**

ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.  
ADDED DP TO REQUIRED CHARTING.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

**NAME:** CHRISTINE BAYSE

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-A430

**NAME:** GEORGE DAVIS

**SIGNATURE:**

**DISTRIBUTION:**

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

# RADIO FIX AND HOLDING DATA RECORD

NAME: THOMA

STATE: OP

COUNTRY: US

ICAO REGION CODE: P

LATITUDE/LONGITUDE: 235636.42N/1604548.60W

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	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
DP	HIAKA (RNAV)			PHOG	KAHULUI	HI (US)
DP	PUHEE (RNAV)			PHOG	KAHULUI	HI (US)
STAR	BOOKE			PHNL	HONOLULU	HI (US)
STAR	KLANI (RNAV)			PHNL	HONOLULU	HI (US)

REQUIRED CHARTING: DP, STAR, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 01/30/2020

## REASON FOR REVISION:

ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.  
ADDED DP TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: CHRISTINE BAYSE

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

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



# RADIO FIX AND HOLDING DATA RECORD

**NAME:** UPOLU POINT VORTAC      **STATE:** HI      **COUNTRY:** US      **ICAO REGION CODE:** PH

**LATITUDE/LONGITUDE:** 201201.95N/1555035.76W      **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	UPOLU POINT	UPP	VORTAC	H						45000

**FIX RESTRICTIONS:**

MCA V-16 5800 EASTBOUND

**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	N	UPP	VORTAC	338.00	158.00	R	1	8000 14000	8 10

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	200654.00N/1554548.00W	4863	4E

**PRECIPITOUS TERRAIN ADDITIONS:**

PAT	SPEED	ADDITION
1	230	232

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**

PAT 1 ATC REQUEST.  
 PRECIPITOUS TERRAIN EVALUATION COMPLETE.  
 PAT 1 CONTROLLING OBSTACLE LOCATED 8508.26 FT INTO SECONDARY AREA, PRIMARY EQUIVALENT ELEVATION 4013.  
 ASSIGNED FAC MAG VAR 11E/1980

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PARIS (OBSTACLE)			PHTO	HILO	HI (US)
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	KEAHI			PHNL	HONOLULU	HI (US)
DP	MOLOKAI			PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
DP	BEACH			PHOG	KAHULUI	HI (US)
DP	HIAKA (RNAV)			PHOG	KAHULUI	HI (US)
DP	PUHEE (RNAV)			PHOG	KAHULUI	HI (US)
DP	STACEY			PHOG	KAHULUI	HI (US)
DP	AMERY			PHKO	KAILUA-KONA	HI (US)
DP	JELIE (RNAV)			PHJR	KAPOLEI	HI (US)
EN ROUTE	V11					(US)
EN ROUTE	V16					(US)
EN ROUTE	V2					(US)
EN ROUTE	V23					(US)
IAP	VOR/DME OR TACAN-A			PHTO	HILO	HI (US)
IAP	NDB RWY 02			PHOG	KAHULUI	HI (US)
IAP	VOR OR TACAN RWY 17			PHKO	KAILUA-KONA	HI (US)
IAP	ILS OR LOC RWY 17			PHKO	KAILUA/KONA	HI (US)
IAP	RNAV (GPS) Y RWY 17			PHKO	KAILUA/KONA	HI (US)
IAP	RNAV (RNP) Z RWY 17			PHKO	KAILUA/KONA	HI (US)
IAP	VOR/DME RWY 4			PHMU	KAMUELA	HI (US)
IAP	VOR/DME-A			PHMU	KAMUELA	HI (US)
STAR	JULLE			PHNL	HONOLULU	HI (US)
STAR	MAGGI			PHNL	HONOLULU	HI (US)
STAR	SAKKI			PHNL	HONOLULU	HI (US)
STAR	CAMPS			PHOG	KAHULUI	HI (US)
STAR	LAVAS (RNAV)			PHOG	KAHULUI	HI (US)
STAR	KAYAK			PHKO	KAILUA-KONA	HI (US)
STAR	VECKI			PHKO	KAILUA-KONA	HI (US)

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

**COMPULSORY REPORTING POINT:** LOW/HIGH

**RECORD REVISION NUMBER:** 9

**DATE OF REVISION:** 01/30/2020

**REASON FOR REVISION:**

ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.  
ADDED DP TO REQUIRED CHARTING.  
ADDED DP PHJR JELIE (RNAV) TO FIX USE.  
UPDATED FIX USE TITLE FROM "LAVAS" TO "LAVAS (RNAV)".

**INITIATED BY:****DATE:****ORGANIZATION:****NAME:****OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

**NAME:** CHRISTINE BAYSE**APPROVED BY:****DATE:****OFFICE:** AJV-A430**NAME:** GEORGE DAVIS**SIGNATURE:****DISTRIBUTION:****NFDC****FPO:** WST**ARTCC:** ZHN**ATC FACILITY:** HCF APP CON, KONA ATCT**OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** ZIGIE **STATE:** OP **COUNTRY:** US **ICAO REGION CODE:** P

**LATITUDE/LONGITUDE:** 241849.30N/1571707.30W **TYPE:** WP, DME

**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	MOLOKAI	MKK	VORTAC	H	347.05	358.05	190.00	190.00		22000	45000

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
MKK	VORTAC	R-347	190	22000	45000

**HOLDING:** **HOLDING TYPE OF ACTION:** NO CHANGE

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	MOLOKAI			PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
DP	HIAKA (RNAV)			PHOG	KAHULUI	HI (US)
DP	PUHEE (RNAV)			PHOG	KAHULUI	HI (US)
DP	JELIE (RNAV)			PHJR	KAPOLEI	HI (US)
EN ROUTE	A331	1				(US)
EN ROUTE	V7	1				(US)
STAR	INOYI (RNAV)			PHNL	HONOLULU	HI (US)
STAR	KAENA (RNAV)			PHNL	HONOLULU	HI (US)
STAR	MAGGI	1		PHNL	HONOLULU	HI (US)
STAR	SYMIN (RNAV)			PHNL	HONOLULU	HI (US)
STAR	LNDHY (RNAV)			PHOG	KAHULUI	HI (US)

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

**COMPULSORY REPORTING POINT:** HIGH

**RECORD REVISION NUMBER:** 7 **DATE OF REVISION:** 01/30/2020

**REASON FOR REVISION:**

ADDED DP PHNL BANZI (RNAV) AND PIPLN (RNAV) TO FIX USE.  
 UPDATED FIX USE TITLE FROM "LNDHY" TO "LNDHY (RNAV)".  
 ADDED SYMIN (RNAV) AND INOYI (RNAV) STARS TO FIX USE.  
 ADDED DP PHJR JELIE (RNAV) TO FIX USE.

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

**OFFICE OF PRIMARY RESPONSIBILITY:** AJV-A432 **NAME:** CHRISTINE BAYSE

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

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
 FPO: WST  
 ARTCC: ZHN  
 ATC FACILITY:  
 OTHER: