

# RADIO FIX AND HOLDING DATA RECORD

NAME: BARBY

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 205139.55N/1555847.44W

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	HILO	ITO	VORTAC	H	310.43	321.43	87.33	87.33		12000	14600
2	UPOLU POINT	UPP	VORTAC	H	338.00	349.00	40.22	40.22		5400	16300
3	MAUI	OGG	VORTAC	H	085.18	096.18	24.93	24.93		8400	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ITO	VORTAC	R-310	88	12000	16300
UPP	VORTAC	R-338	41	5400	14600

## FIX RESTRICTIONS:

MCA V15 9800 EASTBOUND  
MCA V22 12000 SOUTHEAST BOUND

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

UPOLU POINT (FAC 2) AND MAUI (FAC 3) USED TO ESTABLISH FIX COORDINATES

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PPKEO (RNAV)			PHTO	HILO	HI (US)
DP	ONOH	3		PHOG	KAHULUI	HI (US)
DP	ONIZU (RNAV)			PHKO	KAILUA-KONA	HI (US)
EN ROUTE	V11	2, 3				(US)
EN ROUTE	V15	2, 3				(US)
EN ROUTE	V22	1, 3				(US)
IAP	RNAV (GPS) RWY 23			PHOG	KAHULUI	HI (US)
STAR	LYCHI (RNAV)			PHTO	HILO	HI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 07/16/2020

## REASON FOR REVISION:

CHANGED FAC 1 MAA FROM 45000 TO 14600.  
CHANGED FAC 2 MAA FROM 45000 TO 16300.  
CHANGED ITO ESV MAX ALTITUDE FROM 45000 TO 14600.  
CHANGED UPP ESV MAX ALTITUDE FROM 45000 TO 16300.  
ADDED PHTO PPKEO (RNAV) AND LYCHI (RNAV) TO FIX USE.  
ADDED PHKO ONIZU (RNAV) TO FIX USE.  
ADDED STAR, CHANGED CONTROLLER TO CONTROLLER LOW AND CONTROLLER HIGH IN REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: ANTHONY CAPPABIANCO

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

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

# RADIO FIX AND HOLDING DATA RECORD

NAME: CABIX

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 195005.97N/1545005.28W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

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		WP	349.07	169.07	R	4	4000 6000	5 14

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	SHIP MAST	194929.61N/1545040.09W	150	4D
1	310	SHIP MAST	194929.61N/1545040.09W	150	4D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 26	PHTO	HILO	HI (US)
1	RNAV (GPS) RWY 21	PHTO	HILO	HI (US)

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 26			PHTO	HILO	HI (US)
IAP	RNAV (GPS) RWY 21		1	PHTO	HILO	HI (US)
IAP	RNAV (GPS) RWY 26		1	PHTO	HILO	HI (US)
STAR	LYCHI (RNAV)			PHTO	HILO	HI (US)

REQUIRED CHARTING: STAR, MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/16/2020

## REASON FOR REVISION:

UPDATED MAX HOLDING TEMPLATE FROM 6 TO 14.  
UPDATE FIX USE: ADDED IAP RNAV (GPS) RWY 21, ILS OR LOC RWY 26 AND LYCHI (RNAV) TO PHTO.  
ADDED HOLDING PATTERN 1 TO TO IAP RNAV (GPS) RWY 21.  
ADDED HOLDING PATTERN 1 CIH TO RNAV (GPS) RWY 21.  
ADDED STAR TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5421

NAME: ANDRE MARSH

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZHN  
ATC FACILITY: HTO ATCT, HTO APP CON  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: FAMBU

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 195203.53N/1545515.40W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
IAP  
STAR

USE TITLE  
RNAV (GPS) RWY 21  
LYCHI (RNAV)

FAC PAT

AIRPORT IDENT CITY  
PHTO HILO  
PHTO HILO

STATE  
HI (US)  
HI (US)

REQUIRED CHARTING: STAR, MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/16/2020

REASON FOR REVISION:

DELETED FAC1.  
UPDATED FIX USE: ADDED LYCHI (RNAV) AT PHTO.  
UPDATED DISTRIBUTION.  
ADDED STAR TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ANDRE MARSH

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZHN  
ATC FACILITY: HTO APP CON  
OTHER: HTO ATCT

# RADIO FIX AND HOLDING DATA RECORD

NAME: KENNZ

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 195951.29N/1550200.99W

TYPE: WP, 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	HILO	ITO	VORTAC	H	345.00	356.00	16.56	16.56		3000	45000

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PPKEO ONE DEPARTURE (RNAV)			PHTO	HILO	HI (US)
EN ROUTE	V25	1				(US)
IAP	ILS OR LOC RWY 26	1		PHTO	HILO	HI (US)
IAP	RNAV (GPS) RWY 21			PHTO	HILO	HI (US)
IAP	RNAV (GPS) RWY 26			PHTO	HILO	HI (US)
STAR	LYCHI (RNAV)			PHTO	HILO	HI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/16/2020

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ANDRE MARSH

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZHN  
ATC FACILITY: HTO ATCT, HTO APP CON  
OTHER: