

RADIO FIX AND HOLDING DATA RECORD

NAME: BIKDE

STATE: HI

COUNTRY: US

LATITUDE/LONGITUDE: 205635.87N/1562345.60W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 20

FAC PAT

AIRPORT IDENT CITY
PHOG KAHULUI

STATE
HI (US)

REQUIRED CHARTING: IAP, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/26/2016

DEVELOPED BY:

DATE: 02/19/2016

OFFICE: AJV-5430

NAME: ANDREW FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5431

NAME: LONNIE EVERHART

Digitally signed by

SIGNATURE: **ALLAN WILL**

Mar 29, 2016

DISTRIBUTION:

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

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HARPO

STATE: HI

COUNTRY: US

LATITUDE/LONGITUDE: 203829.35N/1563055.28W

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	MRA	MAA
1	LANAI	LNK	VORTAC	H	095.00	106.00	26.55	26.55	5000	45000
2	MAUI	OGG	VORTAC	H	187.54	198.54	16.71	16.71	6000	45000
3	VALLEY ISLAND	VYI	NDB	MH	184.96	195.96		14.88	5000	45000
4	UPOLO POINT	UPP	VORTAC	H	293.95	304.95	46.14	46.14	5000	45000
5	KONA	KOA	VORTAC	H	323.41	334.41	61.30	61.30	5500	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
UPP	VORTAC	R-294	47	5000	17500
KOA	VORTAC	R-323	62	5500	17500

FIX RESTRICTIONS:

MCA V21 8100 EASTBOUND

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 12000.

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BEACH	1, 2		PHOG	KAHULUI	HI (US)
EN ROUTE	V1	1, 2, 4				(US)
EN ROUTE	V17	1, 2				(US)
EN ROUTE	V2	1, 2, 4				(US)
EN ROUTE	V21	1, 2				(US)
IAP	ILS OR LOC RWY 2	1		PHOG	KAHULUI	HI (US)
IAP	NDB RWY 2	1, 3, 4		PHOG	KAHULUI	HI (US)
IAP	RNAV (GPS) Y RWY 2			PHOG	KAHULUI	HI (US)
STAR	CAMPS	1, 2, 4		PHOG	KAHULUI	HI (US)
STAR	HAIKU (RNAV)			PHOG	KAHULUI	HI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

REMOVED RNAV (GPS) RWY 20 FROM FIX USE. HOLDING MOVED TO NEW FIX NDREW.
REMOVED HOLDING AT HARPO, THE RNAV (GPS) RWY 20 WAS THE ONLY PROCEDURE THAT USED IT.

DEVELOPED BY:

DATE: 01/26/2016

OFFICE: AJV-354

NAME: ANDREW FIELDS

APPROVED BY:

DATE:

Digitally signed by

OFFICE: AJV-5430

NAME: LONNIE EVERHART

SIGNATURE: ALLAN WILL

Mar 29, 2016

DISTRIBUTION:

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

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HUKLA

STATE: HI

COUNTRY: US

LATITUDE/LONGITUDE: 205427.58N/1562521.12W

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 20

FAC

PAT

AIRPORT IDENT
PHOG

CITY
KAHULUI

STATE
HI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

1. DELETED FAC 1 NOT REQUIRED.
2. REMOVED REMARKS NAD 83 / WGS 84.
3. UPDATED FIX USE TO REPORT FORMAT.
4. DISTRIBUTION UPDATE FPO FROM LAX TO WESTERN.

DEVELOPED BY:

DATE: 02/18/2016

OFFICE: AJV-5431

NAME: ANDREW FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: LONNIE EVERHART

Digitally signed by
SIGNATURE: **ALLAN WILL**

Mar 29, 2016

DISTRIBUTION:

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

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JUDEZ

STATE: HI

COUNTRY: US

LATITUDE/LONGITUDE: 205827.41N/1562222.50W

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 20

FAC

PAT

AIRPORT IDENT
PHOG

CITY
KAHULUI

STATE
HI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

1. MOVED FIX 5.19 FT NE TO IPDS DERIVED PFAF LOCATION.
2. REMOVED FAC 1 NOT REQUIRED.
3. UPDATED FIX USE TO REPORT FORMAT.
4. CHANGED FPO FROM LAX TO WESTERN.

DEVELOPED BY:

DATE: 01/25/2016

OFFICE: AJV-5430

NAME: ANDREW FIELDS

APPROVED BY:

DATE:

Digitally signed by

OFFICE: AJV-5431

NAME: LONNIE EVERHART

SIGNATURE: **ALLAN WILL**

Mar 29, 2016

DISTRIBUTION:

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

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NDREW

STATE: HI

COUNTRY: US

LATITUDE/LONGITUDE: 203146.68N/1563307.76W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	S		WP	185.99	005.99	R	4	4300	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	203342.00N/1563418.00W	1887	5E

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 20		1	PHOG	KAHULUI	HI (US)

REQUIRED CHARTING: IAP, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/26/2016

DEVELOPED BY:

DATE: 02/18/2016

OFFICE: AJV-5431

NAME: ANDREW FIELDS

APPROVED BY:

DATE:

Digitally signed by

OFFICE: AJV-5430

NAME: LONNIE EVERHART

SIGNATURE:

ALLAN WILL

Mar 29, 2016

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZHN

ATC FACILITY: HCF APP CON, OGG ATCT

OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OLONE

STATE: HI

COUNTRY: US

LATITUDE/LONGITUDE: 210906.02N/1562320.03W

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 20

FAC

PAT

AIRPORT IDENT

PHOG

CITY

KAHULUI

STATE

HI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

1. MOVED FIX 1.81 NM NW PER PROCEDURE DESIGN REQUEST. FIX NAME RETAINED FOR ATC OPERATIONAL NEED.
2. FIX MAKE UP FACILITY REMOVED FACILITY 1, NO LONGER REQUIRED.
3. UPDATED FIX USE TO REPORT FORMAT.
4. DISTRIBUTION CHANGED FROM LAX TO WESTERN.

DEVELOPED BY:

DATE: 02/19/2016

OFFICE: AJV-5431

NAME: ANDREW FIELDS

APPROVED BY:

DATE:

Digitally signed by

OFFICE: AJV-5430

NAME: LONNIE EVERHART

SIGNATURE: **ALLAN WILL**

Mar 29, 2016

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZHN

ATC FACILITY:

OTHER:

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SWEEP

STATE: HI

COUNTRY: US

LATITUDE/LONGITUDE: 205830.26N/15600 12.81W

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	MAUI	OGG	VORTAC	H	069.00	080.00	23.80	23.80		3000	45000
2	UPOLU POINT	UPP	VORTAC	H	338.00	349.00	47.17	47.17		3000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
UPP	VORTAC	R-338	48	3000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SWEEP	1, 2		PHOG	KAHULUI	HI (US)
EN ROUTE	V11	1, 2				(US)
IAP	RNAV (GPS) RWY 20			PHOG	KAHULUI	HI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

1. FAC 1 OGG AND FAC 1 IAI CORRECTED NUMBERING. FAC 1 AND 2 ADDED DISTANCE FROM NM.
2. ADDED ESVS TO PROPER LOCATION AND DELETED THE STATEMENT BOX 1D: APPROVED: ON FILE.
3. FIX USE REMOVE HI-VOR/DME OR TACAN RWY 20, HI PROCEDURE NO LONGER EXIST. FIX USE ADDED FAC 1 & 2 DATA TO SWEEP DP AND V11 DATA.
4. CHANGED FPO FROM LAX TO WESTERN.
5. ADDED REMARK MAUI (FAC 1) AND UPOLU POINT (FAC 2) USED TO ESTABLISH FIX COORDINATES.
6. REMOVED REMARKS FIX COMPUTED AS INTERSECTION. & NAD 83 / WGS 84

04/06/16 THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 3/29/2016.

1. DELETED IAI VORTAC ESV.
2. REMOVED FAC 3 FROM FIX MAKEUP.
3. REMOVED MILITARY IAP FROM CHARTING, THE PROCEDURE MENTIONED THAT STILL EXIST IS FROM OGG VORTAC AN FAA PROCEDURE.
4. DELETED THE FOLLOWING FROM THE FIRST #3 ENTRY IN REASONS DID NOT REMOVE MILITARY FROM CHARTING BECAUSE THERE IS STILL A LOW TACAN MAINTAINED BY THE FAA.
5. RENUMBERED REMAINDER OF REASONS, 4,5 & 6
6. IAI DECOMMISSIONED 12/13/2011 SOURCE IS AIRNAV. AJ FIELDS

DEVELOPED BY:

DATE: 01/28/2016

OFFICE: AJV-5430

NAME: ANDREW FIELDS

APPROVED BY:

DATE: 04/01/2016

OFFICE: AJV-5431

NAME: LONNIE EVERHART

SIGNATURE: *Digitally signed by*
BEV L BORDY

DISTRIBUTION:

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

Apr 07, 2016



RADIO FIX AND HOLDING DATA RECORD

NAME: UPOYO

STATE: HI

COUNTRY: US

LATITUDE/LONGITUDE: 210106.43N/1561115.74W

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 20

FAC

PAT

AIRPORT IDENT
PHOG

CITY
KAHULUI

STATE
HI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

1. MOVED FIX 1.99 NM SOUTHEAST PER PROCEDURE DESIGN REQUEST. FIX NAME RETAINED FOR ATC OPERATIONAL NEED.
2. REMOVED FAC 1, NOT REQUIRED.
3. UPDATED FIX USE TO REPORT FORMAT.
4. CHANGED FPO FROM LAX TO WESTERN.

DEVELOPED BY:

DATE: 02/19/2016

OFFICE: AJV-5431

NAME: ANDREW FIELDS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: LONNIE EVERHART

Digitally signed by

SIGNATURE: **ALLAN WILL**

Mar 29, 2016

DISTRIBUTION:

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

QUALITY
10
CHECKED