

RADIO FIX AND HOLDING DATA RECORD

NAME: HONOLULU VORTAC

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 211829.96N/1575549.48W

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 FEET	MAA
1	HONOLULU	HNL	VORTAC	H						45000

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	E	HNL	VORTAC	090.00	270.00	R	1	4500 14000	7 10
2	S	HNL	VORTAC	171.00	351.00	L	1	3000 14000	6 10
3	E	HNL	VORTAC	100.00	280.00	L	1 1/2	16000 28000	15 21

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	212146.00N/1574729.20W	3350	6A
2	230	AAO	212227.00N/1575054.00W	1946	4D
3	265	AAO	212146.00N/1574729.20W	3350	6A

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	116

REASON FOR NONSTANDARD HOLDING:

PAT 2 TERRAIN
PAT 3 ATC

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

REMARKS:

PATS 1,3 FOR ATC USE.
PAT 2 OBSTACLE 11666.67' INTO SECONDARY AREA.
PRECIPITOUS TERRAIN EVALUATION COMPLETED:
HNL VORTAC MAG VAR: 11 E.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALANA	1		PHNL	HONOLULU	HI (US)
DP	HONOLULU (OBSTACLE)			PHNL	HONOLULU	HI (US)
DP	KEAHI			PHNL	HONOLULU	HI (US)
DP	KEOLA			PHNL	HONOLULU	HI (US)
DP	MOLOKAI			PHNL	HONOLULU	HI (US)
DP	OPIHI			PHNL	HONOLULU	HI (US)
DP	PALAY			PHNL	HONOLULU	HI (US)
DP	SAITO	1		PHNL	HONOLULU	HI (US)
DP	STACEY			PHOG	KAHULUI	HI (US)
DP	TAKE-OFF MINIMUMS			PHJR	KAPOLEI, OAHU ISLAND	HI (US)
DP	GECKO			PHHI	WAHIAWA	HI (US)
EN ROUTE	V12					HI (US)
EN ROUTE	V15					HI (US)
EN ROUTE	V2					HI (US)
EN ROUTE	V20					HI (US)
EN ROUTE	V21					HI (US)
EN ROUTE	V4					HI (US)
EN ROUTE	V8					HI (US)
IAP	ILS RWY 8L			PHNL	HONOLULU	HI (US)
IAP	ILS Y RWY 4R			PHNL	HONOLULU	HI (US)
IAP	ILS Z RWY 4R			PHNL	HONOLULU	HI (US)
IAP	LDA RWY 26L			PHNL	HONOLULU	HI (US)
IAP	LOC RWY 4R			PHNL	HONOLULU	HI (US)
IAP	RNAV (GPS) Y RWY 8L			PHNL	HONOLULU	HI (US)
IAP	VOR OR TACAN -A			PHNL	HONOLULU	HI (US)
IAP	VOR OR TACAN RWY 4R			PHNL	HONOLULU	HI (US)
IAP	VOR OR TACAN-B			PHNL	HONOLULU	HI (US)
IAP	RNAV (GPS) RWY 4R			PHJR	KAPOLEI	HI (US)
IAP	VOR/DME RWY 4R			PHJR	KAPOLEI, OAHU ISLAND	HI (US)
IAP	RNAV (GPS)-C			PHHI	WAHIAWA	HI (US)
IAP	VOR OR TACAN-B			PHHI	WAHIAWA	HI (US)
STAR	BOOKE		2	PHNL	HONOLULU	HI (US)
STAR	JULLE			PHNL	HONOLULU	HI (US)
STAR	OPACA			PHNL	HONOLULU	HI (US)
STAR	SAKKI			PHNL	HONOLULU	HI (US)
STAR	KAYAK			PHKO	KAILUA-KONA	HI (US)

QUALITY
22
CHECKED

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

1. ADDED SAITO AND ALANA DP'S TO FIX USE.
2. ADDED MILITARY DP TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: JAMES LAFFERTY

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE: *Digitally signed by*

DAVID TEFFETELLER

DISTRIBUTION:

NFDC

FPO: WST

Nov 03, 2020

ARTCC: ZHN

ATC FACILITY: HCF / JRF ATCT

OTHER: HI ANG, USAASA, USAF

QUALITY
22
CHECKED

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 NM	FAC FEET	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: 12/03/2019

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: LEANE

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 211609.88N/1594252.84W

TYPE: INT, DME

AIRSPACE DOCKET: 85-AWP-001

FIX TYPE OF ACTION: ESTABLISH

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	258.00	269.00	100.00			16000	45000
2	SOUTH KAUAI	SOK	VORTAC	H	184.00	195.00				16000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FAC 1: 2/25/85					

FIX RESTRICTIONS:

MRA V12 16000

REMARKS:

PLOTTED AS DME FIX.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V12.					

REQUIRED CHARTING: CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/07/1985

INITIATED BY: DATE: ORGANIZATION: NAME:

DEVELOPED BY: DATE: 04/29/1985 OFFICE: AVN-200 NAME:

APPROVED BY: DATE: 05/07/1985 OFFICE: AVN-200 NAME:

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: LIHUE VORTAC STATE: HI COUNTRY: US ICAO REGION CODE: PH
 LATITUDE/LONGITUDE: 215755.00N/1592017.20W 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 FEET	MAA
1	LIHUE	LIH	VORTAC	H						46000

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	E	LIH	VORTAC	070.00	250.00	L	1	4000 14000	4 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	215547.00N/1592336.00W	2497	6A

REASON FOR NONSTANDARD HOLDING:

PAT 1 TERRAIN AVOIDANCE

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KEOLA			PHNL	HONOLULU	HI (US)
DP	SAITO	1		PHNL	HONOLULU	HI (US)
DP	DIANE	1		PHLI	LIHUE	HI (US)
DP	LIHUE			PHLI	LIHUE	HI (US)
DP	RICHE			PHLI	LIHUE	HI (US)
DP	TAKEOFF MINIMUMS			PHLI	LIHUE	HI (US)
EN ROUTE	V15					(US)
IAP	ILS RWY 08L	1		PHNL	HONOLULU	HI (US)
IAP	ILS OR LOC RWY 35		1	PHLI	LIHUE	HI (US)
IAP	VOR OR TACAN RWY 35			PHLI	LIHUE	HI (US)
IAP	VOR/DME OR TACAN RWY 21			PHLI	LIHUE	HI (US)
STAR	BOOKE			PHNL	HONOLULU	HI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 09/10/2020

REASON FOR REVISION:

1. ADDED SAITO DP TO FIX USE.
2. ADDED MILITARY DP TO REQUIRED CHARTING.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**
OFFICE OF PRIMARY RESPONSIBILITY: AJV-A433 **NAME:** JAMES LAFFERTY
APPROVED BY: **DATE:** **OFFICE:** AJV-A430 **NAME:** GEORGE DAVIS

SIGNATURE: Digitally signed by

DAVID TEFFETELLER

DISTRIBUTION: NFDC
 FPO: WST Nov 03, 2020
 ARTCC: ZHN
 ATC FACILITY: LIH ATCT
 OTHER: USAF

QUALITY
22
CHECKED