

RADIO FIX AND HOLDING DATA RECORD

NAME: CELIU

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 210612.69N/1561922.87W

TYPE: DME

AIRSPACE DOCKET:

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	MAUI	OGG	VORTAC	H	014.00	025.00	13.00	13.00		3000	17500

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR Z OR TACAN RWY 20			OGG/PHOG	KAHULUI	HI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/10/2019

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5420

NAME: ANTHONY CAPPABIANCO

APPROVED BY:

DATE: 08/20/2019

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: HARPO

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 203829.35N/1563055.28W

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 FEET	MRA	MAA
1	UPOLU POINT	UPP	VORTAC	H	293.95	304.95	46.14	46.14	6300	45000
2	MAUI	OGG	VORTAC	H	187.54	198.54	16.71	16.71	6000	45000
3	LANAI	LNJ	VORTAC	H	095.00	106.00	26.55	26.55	5000	45000
4	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	6000	16300
KOA	VORTAC	R-323	62	5500	14600

FIX RESTRICTIONS:

MCA V2 5600 SOUTHEAST BOUND
MCA V21 8200 EASTBOUND

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

MAUI (FAC 2) AND LANAI (FAC 3) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BEACH	2, 3, 4		OGG/PHOG	KAHULUI	HI (US)
EN ROUTE	V1	1, 2, 3				(US)
EN ROUTE	V17	2, 3				(US)
EN ROUTE	V2	1, 2, 3				(US)
EN ROUTE	V21	2, 3				(US)
IAP	RNAV (GPS) Y RWY 2			OGG/PHOG	KAHULUI	HI (US)
IAP	VOR Z OR TACAN RWY 20	2, 3		OGG/PHOG	KAHULUI	HI (US)
STAR	CAMPS	1, 2, 3		OGG/PHOG	KAHULUI	HI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 20

DATE OF REVISION: 10/05/2023

REASON FOR REVISION:

REMOVED VYI NDB FROM FIX MAKE-UP
REMOVED PHOG NDB RWY 2 FROM FIX USE
REMOVED PHOG VOR Y RWY 20 FROM FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOSEPH BLANCO

APPROVED BY:

DATE: 10/05/2023

OFFICE: AJV-A430

NAME: JOHNNIE BAKER

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: JNKOH

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 205300.91N/1561126.99W

TYPE: DME

AIRSPACE DOCKET:

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	MAUI	OGG	VORTAC	H	085.00	096.00	13.00	13.00		7000	17500

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V15					(US)
EN ROUTE	V22					(US)
IAP	VOR Z OR TACAN RWY 20			OGG/PHOG	KAHULUI	HI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/10/2019

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5420

NAME: ANTHONY CAPPABIANCO

APPROVED BY:

DATE: 08/20/2019

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

NAME: MAUI VORTAC	STATE: HI	COUNTRY: US	ICAO REGION CODE: PH
LATITUDE/LONGITUDE: 205423.30N/1562515.42W	TYPE:		
AIRSPACE DOCKET: 19-AWP-80	FIX TYPE OF ACTION: MODIFY		

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST	FROM NM	FAC FEET	MRA	MAA
1	MAUI	OGG	VORTAC	H								45000

MCA V15 6800 WESTBOUND
MCA V22 6300 EASTBOUND
MCA T342 7200 SOUTHBOUND

HOLDING TYPE OF ACTION: MODIFY

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	S	OGG	VORTAC	187.00	007.00	L	1		8000	17500	8	16

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	205336.00N/1563430.00W	5886	4E

PAT	SPEED	ADDITION
1	230	370

PAT 1 AVOID TERRAIN

HOLDING LIMITED TO ESTABLISHED PATTERN.

ASSIGNED FACILITY MAG VAR: 11E / 1990.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 FOR ATC USE.
PAT 1 CONTROLLING OBSTACLE LOCATED 4075.62' INTO SECONDARY AREA, PRIMARY EQUIVALENT ELEVATION 5218'.

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MOLOKAI			HNL/PHNL	HONOLULU	HI (US)
DP	BEACH			OGG/PHOG	KAHULUI	HI (US)
DP	MAUI			OGG/PHOG	KAHULUI	HI (US)
DP	ONOH			OGG/PHOG	KAHULUI	HI (US)
DP	STACEY			OGG/PHOG	KAHULUI	HI (US)
DP	SWEEP			OGG/PHOG	KAHULUI	HI (US)
DP	AMERY			KOA/PHKO	KAILUA-KONA	HI (US)
DP	BLUSH			MKK/PHMK	KAUNAKAKAI	HI (US)
EN ROUTE	R576					(US)
EN ROUTE	R577					(US)
EN ROUTE	T342					(US)
EN ROUTE	V1					(US)
EN ROUTE	V11					(US)
EN ROUTE	V15					(US)
EN ROUTE	V17					(US)
EN ROUTE	V22					(US)
EN ROUTE	V24					(US)
EN ROUTE	V6					(US)
IAP	RNAV (GPS) RWY 8			HNM/PHHN	HANA	HI (US)
IAP	ILS Y OR LOC Y RWY 2			OGG/PHOG	KAHULUI	HI (US)
IAP	ILS Z OR LOC Z RWY 2			OGG/PHOG	KAHULUI	HI (US)
IAP	SMOKE STACK VISUAL RWY 2			OGG/PHOG	KAHULUI	HI (US)
IAP	VOR Z OR TACAN RWY 20			OGG/PHOG	KAHULUI	HI (US)
STAR	JULLE			HNL/PHNL	HONOLULU	HI (US)
STAR	MAGGI			HNL/PHNL	HONOLULU	HI (US)
STAR	SAKKI			HNL/PHNL	HONOLULU	HI (US)
STAR	CAMPS			OGG/PHOG	KAHULUI	HI (US)
STAR	KAYAK			KOA/PHKO	KAILUA/KONA	HI (US)
STAR	VECKI			KOA/PHKO	KAILUA/KONA	HI (US)

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COMPULSORY REPORTING POINT: NO**RECORD REVISION NUMBER: 23****DATE OF REVISION: 05/16/2024****REASON FOR REVISION:**

AIRSPACE DOCKET: ADDED 19-AWP-80.

FIX RESTRICTIONS: ADDED MCA T342 7200 SOUTHBOUND. REMOVED MCA V24 6700 SOUTHWEST BOUND - NOT DOCUMENTED IN PART 95 OR CHARTED.

HOLDING RESTRICTIONS: CHANGED PATTERN(S) TO PATTERN.

REMARKS: CHANGED ASSIGNED FACILITY MAG VAR: 11 DEGREES EAST TO 11E / 1990.

FIX USE: ADDED T342. REMOVED FAC 1 FROM PHOG ILS Y OR LOC Y RWY 2 AND ILS Z OR LOC Z RWY 2.

REQUIRED CHARTING: REMOVED AREA.

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

AJV-A423

NAME: BARRY SMITH**APPROVED BY:****DATE: 11/30/2023****OFFICE: AJV-A423****NAME: ALLAN WILL****SIGNATURE:**

RADIO FIX AND HOLDING DATA RECORD

NAME: MIKEY

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 205853.99N/1562301.02W

TYPE: 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 FEET	MRA	MAA
1	MAUI	OGG	VORTAC	H	014.00	025.00	4.96	4.96 30138	1700	9000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR Z OR TACAN RWY 20			OGG/PHOG	KAHULUI	HI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 10/10/2019

REASON FOR REVISION:

CHANGED FAC 1 MRA FROM 1500 TO 1700.
CHANGED PHOG VOR/DME OR TACAN RWY 20 TO VOR Z OR TACAN RWY 20 IN FIX USE.
REMOVED AIRSPACE DOCKET 94-AWP-2.
CHANGED LAT/LONG FROM 205856.09N/1562259.98W TO 205853.99N/1562301.02W, MOVED 0.04 NM SW.
CHANGED REMARK FROM NAD 83/WGS 84 TO PRECIPITOUS TERRAIN EVALUATION COMPLETED.
CHANGED DME DISTANCE FROM 5.00 TO 4.96.
ADDED DIST FROM FAC IN NM AND FEET.
DELETED MILITARY IAP FROM REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5420

NAME: ANTHONY CAPPABIANCO

APPROVED BY:

DATE: 08/20/2019

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 205638.69N/1561134.75W 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	MAUI	OGG	VORTAC	H	069.00	080.00	13.00	13.00	5000	45000

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	E	OGG	VORTAC	069.00	249.00	L	4	5000 17500	5 13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	CATENARY (15-000281)	205252.00N/1561149.00W	1200	5E

REASON FOR NONSTANDARD HOLDING:

PAT 1 SEPARATE DEPARTURE/ARRIVAL ROUTES

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V11	1	1			
IAP	RNAV (GPS) RWY 26			HNH/PHHN	HANA	HI (US)
IAP	RNAV (GPS) RWY 8			HNH/PHHN	HANA	HI (US)
IAP	VOR Z OR TACAN RWY 20	1		OGG/PHOG	KAHULUI	HI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 DATE OF REVISION: 10/10/2019

REASON FOR REVISION:

CHANGED PHOG VOR/DME OR TACAN RWY 20 TO VOR Z OR TACAN RWY 20 IN FIX USE.
ADDED CONTROLLER HIGH, CONTROLLER LOW TO REQUIRED CHARTING.
CHANGED LAT/LONG FROM 205638.61N/1561134.80W TO 205638.69N/1561134.75W, MOVED 9.36FT NE.
DELETED REMARK MAUI (FAC 1) USED TO ESTABLISH FIX COORDINATES.
CHANGED HOLDING PATTERN MAX PAT FROM 16 TO 13.
ADDED PHHN RNAV (GPS) RWY 8 TO FIX USE.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-5420	NAME: ANTHONY CAPPABIANCO
APPROVED BY:	DATE: 08/20/2019	OFFICE: AJV-5420	NAME: JULIE MORGAN
SIGNATURE:			

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

RADIO FIX AND HOLDING DATA RECORD

NAME: PLUMB

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 211242.30N/1563605.35W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 19-AWP-80

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	MOLOKAI	MKK	VORTAC	H	071.00	082.00	32.04	32.04	5000	45000
2	MAUI	OGG	VORTAC	H	320.00	331.00	20.87	20.87	4400	45000

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	NW	OGG	VORTAC	320.00	140.00	L	1	5000 6000	7 15

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	SHIP	211302.60N/1563607.15W	208	2C
1	310	AAO	211012.00N/1564624.00W	1946	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 PROVIDE SEPARATION FROM DEPARTURE/ARRIVAL ROUTES

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

MOLOKAI (FAC 1) AND MAUI (FAC 2) USED TO ESTABLISH FIX COORDINATES.
CLEARANCE LIMIT FOR NON RADAR OPERATIONS (HNL CENTER).
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING PATTERN 1 AIRSPEED 310 OBSTRUCTION LOCATED 1.96 NM INTO SECONDARY AREA.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T342					(US)
EN ROUTE	V22	1, 2				(US)
EN ROUTE	V6	1, 2	1			(US)
IAP	RNAV (GPS) RWY 20			OGG/PHOG	KAHULUI	HI (US)
IAP	RNAV (GPS) RWY 23			OGG/PHOG	KAHULUI	HI (US)
IAP	VOR Z OR TACAN RWY 20	2		OGG/PHOG	KAHULUI	HI (US)
IAP	RNAV (GPS)-B			LUP/PHLU	KALAUPAPA	HI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 19-AWP-80.
FIX MAKE-UP FACILITIES: CHANGED FAC 2 (OGG) MRA FROM 5000 TO 4400 - MEA ON V6-22.
FIX RESTRICTIONS: ADDED MCA T342 4400 WESTBOUND.
HOLDING RESTRICTIONS: CHANGED PATTERN(S) TO PATTERN.
FIX USE: ADDED T342.

10/04/23: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 06/08/23.

1. FIX RESTRICTIONS: REMOVED MCA T342 4400 WESTBOUND - MEA IS EQUAL IN THE PRIOR SEGMENT.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 01/25/2024

OFFICE: AJV-A423

NAME: MICHAEL GARRITY

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: ULUAA

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 210547.85N/1563159.84W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	MAUI	OGG	VORTAC	H	320.00	331.00	13.00	13.00		3000	17500

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

PRECIPITOUS EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V22					(US)
EN ROUTE	V6					(US)
IAP	VOR Z OR TACAN RWY 20			OGG/PHOG	KAHULUI	HI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/10/2019

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5420

NAME: ANTHONY CAPPABIANCO

APPROVED BY:

DATE: 08/20/2019

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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