

RADIO FIX AND HOLDING DATA RECORD

NAME: ANDES STATE: HI COUNTRY: US ICAO REGION CODE: PH
 LATITUDE/LONGITUDE: 194941.21N/1561251.98W 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	KONA	KOA	VORTAC	H	293.67	304.67	11.66	11.66	1500	45000

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NW	KOA	VORTAC	293.67	113.67	R	1		1800	17500	4	16
2	NW		WP	293.67	113.67	R		5	5000	17500	6	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	208' SHIP	194941.21N/1561251.98W	208	2C
1	310	208' SHIP	194941.21N/1561251.98W	208	2C
2	200	208' SHIP	194941.21N/1561251.98W	208	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 17	PHKO	KAILUA-KONA	HI (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	AMERY	1		PHKO	KAILUA-KONA	HI (US)
EN ROUTE	V20	1				(US)
IAP	ILS OR LOC RWY 17	1	1	PHKO	KAILUA-KONA	HI (US)
IAP	LOC BC RWY 35	1	1	PHKO	KAILUA-KONA	HI (US)
IAP	VOR OR TACAN RWY 17	1	1	PHKO	KAILUA-KONA	HI (US)
IAP	VOR OR TACAN RWY 35	1	1	PHKO	KAILUA-KONA	HI (US)
IAP	RNAV (RNP) Z RWY 17		2	PHKO	KAILUA/KONA	HI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

1. UPDATED FIX USE PHKO NAME FROM "VOR/DME OR TACAN RWY 17" TO "VOR OR TACAN RWY 17".
2. UPDATED FIX USE PHKO NAME FROM "ILS OR LOC/DME RWY 17" TO "ILS OR LOC RWY 17".
3. UPDATED REQUIRED CHARTING FROM "CONTROLLER" TO "CONTROLLER LOW AND CONTROLLER HIGH".
4. UPDATED HOLDING PAT 1, LEG TIME / HOLDING ALTITUDE MIN / TEMPLATE MAX FROM "1-1 1/2 / 1500 / 18" TO "1 / 1800 / 16".
5. UPDATED CONTROLLING OBSTRUCTIONS PAT 1 AND PAT 2 TO 194941.21N/1561251.98W.
6. UPDATED PROCEDURES REQUIRING CLIMB-IN-HOLD, PROCEDURE TITLE FROM "ILS OR LOC/DME RWY 17" TO "ILS OR LOC RWY 17".

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A422	NAME: DANIEL WESTON
APPROVED BY:	DATE: 02/20/2025	OFFICE: AJV-A422	NAME: RAKE MCGRAW
SIGNATURE:			

RADIO FIX AND HOLDING DATA RECORD

NAME: KAMUELA VOR/DME

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 195953.00N/1554011.50W

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 FEET	MRA	MAA
1	KAMUELA	MUE	VOR/DME	H						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	SW	MUE	VOR/DME	233.75	053.75	L	1	7100 17500	8 16
2	NE	MUE	VOR/DME	056.97	236.97	R	1	7100 17500	8 16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	200509.00N/1554303.00W	5663	6A
2	230	AAO	200509.00N/1554303.00W	5663	6A

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	375
2	230	375

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.
PAT 1 REQUESTED BY ATC.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKE-OFF MINIMUMS			PHMU	KAMUELA	HI (US)
EN ROUTE	V3					(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) Y RWY 17			PHKO	KAILUA-KONA	HI (US)
IAP	RNAV (RNP) Z RWY 17			PHKO	KAILUA-KONA	HI (US)
IAP	VOR OR TACAN RWY 17			PHKO	KAILUA-KONA	HI (US)
IAP	VOR/DME RWY 4		2	PHMU	KAMUELA	HI (US)
IAP	VOR/DME-A		2	PHMU	KAMUELA	HI (US)
STAR	JULLE			PHNL	HONOLULU	HI (US)
STAR	SAKKI			PHNL	HONOLULU	HI (US)
STAR	KAYAK			PHKO	KAILUA-KONA	HI (US)
STAR	VECKI			PHKO	KAILUA-KONA	HI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

1. UPDATED REQUIRED CHARTING FROM "CONTROLLER" TO "CONTROLLER LOW".
2. FIX USE, REMOVED "FAC 1" FROM ALL FIX USES.
3. UPDATED FIX USE PHKO TITLE FROM "VOR/DME OR TACAN RWY 17" TO "VOR OR TACAN RWY 17".
4. UPDATED PAT 1 AND PAT 2 LEG TIME FORM "1-1 1/2" TO "1".
5. UPDATED REMARKS FROM "PATS 1 AND 2 UTILIZED BY ATC" TO "PAT 1 REQUESTED BY ATC".
6. UPDATED FIX USE TITLE FOR PHKO FROM "LOC/DME BC RWY 35" TO "LOC BC RWY 35".
7. UPDATED FIX USE TITLE FOR PHKO FROM "ILS OR LOC/DME RWY 17" TO "ILS OR LOC RWY 17".
8. REMOVED REQUIRED CHARTING "MILITARY IAP".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: DANIEL WESTON

APPROVED BY:

DATE: 02/20/2025

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: TAMMI

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 200533.56N/1560200.51W

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	FAC FEET	MRA	MAA
1	KONA	KOA	VORTAC	H	350.65	001.65	22.45	22.45		2000	45000
2	UPOLU POINT	UPP	VORTAC	H	228.04	239.04	12.53	12.53		2000	45000
3	LANAI	LNK	VORTAC	H	116.14	127.14	66.27	66.27		3000	45000
4	KAMUELA	MUE	VOR/DME	H	274.45	285.45	21.30	21.30		3000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LNK	VORTAC	R-116	67	3000	15800

FIX RESTRICTIONS:

MCA T342 2500 SOUTHBOUND

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	T342					HI (US)
IAP	ILS OR LOC RWY 17	1, 2, 3		PHKO	KAILUA-KONA	HI (US)
IAP	RNAV (GPS) Y RWY 17			PHKO	KAILUA-KONA	HI (US)
IAP	VOR OR TACAN RWY 17	1, 2, 3		PHKO	KAILUA-KONA	HI (US)
IAP	RNAV (RNP) Z RWY 17			PHKO	KAILUA-KONA	HI (US)
IAP	RNAV (GPS) RWY 4			PHMU	KAMUELA	HI (US)
STAR	KAYAK	1, 2, 3, 4		PHKO	KAILUA-KONA	HI (US)
STAR	VECKI	1, 2, 3		PHKO	KAILUA-KONA	HI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

AIRSPACE DOCKET: CHANGED 10-AWP-20 TO 19-AWP-80.

FIX MAKE-UP FACILITIES: CHANGED FAC 4 (MUE) MRA FROM 5000 TO 3000.

ESV: CHANGED LNK VORTAC MAX ALTITUDE FROM 45000 TO 15800.

FIX RESTRICTIONS: ADDED MCA T342 2500 SOUTHBOUND.

REMARKS: REMOVED ESV ON REQUEST. ADDED FIX COORDINATES REMARK.

FIX USE: ADDED T342. CHANGED PHKO ILS OR LOC/DME RWY 17 TO ILS OR LOC RWY 17. CHANGED PHKO VOR/DME OR TACAN RWY 17 TO VOR OR TACAN RWY 17. ADDED FAC 4 TO PHKO KAYAK STAR.

REQUIRED CHARTING: ADDED EN ROUTE LOW, CONTROLLER LOW, EN ROUTE HIGH AND CONTROLLER HIGH.

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: UPOLU POINT VORTAC

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 201201.95N/1555035.76W

TYPE:

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

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							45000

FIX RESTRICTIONS:

MCA V16 5800 EASTBOUND

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

ASSIGNED FAC MAG VAR 11E/1980

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKE-OFF MINIMUMS			PHSF	CAMP POHAKULOA	HI (US)
DP	PARIS (OBSTACLE)			PHTO	HILO	HI (US)
DP	PPKEO (RNAV)			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	HIKA (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	ONIZU (RNAV)			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	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, MILITARY DP, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: LOW/HIGH

RECORD REVISION NUMBER: 13

DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

1. ADDED DP, TAKE-OFF MINIMUMS AT PHSF.
2. ADDED MILITARY DP TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: JAMES HAUGH

APPROVED BY:

DATE: 01/16/2025

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE: