

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR OR TACAN STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.23**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT ID</u> OGG/PHOG	<u>PROCEDURE NAME</u> VOR Z OR TACAN RWY 20	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> KAHULUI	<u>STATE</u> HI
<u>AIRPORT ELEVATION</u> 55	<u>TDZE</u> 27	<u>SUPERSEDED</u> VOR Z OR TACAN RWY 20	<u>DATED</u> 10/05/2023	<u>MAG VAR</u> 11E
<u>FACILITY</u> OGG	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 1990
			<u>CANCEL/SUSPEND</u>	

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
OGG VORTAC		MIKEY/4.96 DME	FAF/IAF				014.00	4.96	7000
PLUMB/OGG 20.87 DME	IAF	ULUAA/13.00 DME	NOPT				140.00 (OGG R-320)	7.87	3000
ULUAA/13.00 DME CW	IAF	CELIU/13.00 DME	NOPT				13.00 DME ARC		3000
JNKOH/13.00 DME CCW	IAF	OPANA/13.00 DME	NOPT				13.00 DME ARC		7400
OPANA/13.00 DME CCW		CELIU/13.00 DME	NOPT				13.00 DME ARC		3000
CELIU/13.00 DME	IF	MIKEY/4.96 DME					194.00 (OGG R-014)	8.04	1700

MISSED APPROACH

MAP:

OGG VORTAC

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5600 ON OGG R-188 TO HARPO INT/OGG 16.71 DME THEN RIGHT TURN ON LNY R-095 TO KEIKI INT/17.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5600.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	L	SIDE OF COURSE	014.00	OUTBOUND	3000	FT WITHIN	10	MILES OF	MIKEY/4.96 DME (IAF)
2.									
3. FAC:	194.00	FAF:	MIKEY/4.96 DME			DIST FAF TO MAP:		DIST FAF TO THLD:	5.13
4. MIN ALT:	MIKEY/4.96 DME 1700								
8. MSA FROM:	OGG VORTAC 069-170 11300, 170-320 7000, 320-069 3400								



EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON OGG VORTAC AIRWAY RADIALS 337 CW 065.

ADDITIONAL FLIGHT DATA:

MIKEY TO RW20: 3.00/55.
HOLD W, RT, 095.00 INBOUND.
FAS OBST: 208 SHIP 205709N/1562321W.
CHART VDP AT 0.97 DME.
DISTANCE VDP TO THLD 1.15 NM.
CHART OGG R-320 AT ULUAA.
CHART OGG R-085 AT JNKOH.
CHART OGG R-069 AT OPANA.
FAC CROSSES RWY C/L EXTENDED 5097 FT FROM THLD.

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - CAT C 800-2 1/4, CAT D 1200-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-20	460	1	433	460	1	433	460	1 1/4	433	460	1 1/4	433			
CIRCLING	520	1	465	620	1	565	800	2 1/4	745	1160	3	1105			

CHANGES - REASONS

1. GENERAL: AIRPORT ELEVATION CHANGED FROM 53 TO 55 AND TDZE CHANGED FROM 25 TO 27 – NEW AIRPORT SURVEY.
2. MISSED APPROACH INSTRUCTIONS: CHANGED FROM “CLIMB TO 5000 ON OGG R-188 TO HARPO INT/OGG 16.71 DME THEN RIGHT TURN ON LNY R-095 TO KEIKI INT/17.00 DME AND HOLD.” TO “CLIMB TO 5600 ON OGG R-188 TO HARPO INT/OGG 16.71 DME THEN RIGHT TURN ON LNY R-095 TO KEIKI INT/17.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5600.” – NEW LEVEL SURFACE CONTROLLING OBSTACLE.
3. NOTES: ADDED “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.” – NO SUITABLE BACKUP ALTIMETER. REDUNDANT LOCAL ALTIMETER AVAILABLE.
4. MINIMUMS: ALTERNATE MINIMUM CHANGED FROM “STANDARD - CAT D 1100-3” TO “STANDARD - CAT C 800-2 1/4, CAT D 1200-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.” – CIRCLING CAT C AND D MINIMUMS INCREASED.
5. MINIMUMS: LNAV MDA ALL CATS HATS CHANGED FROM 435 TO 433 – TDZE CHANGED.
6. MINIMUMS: CIRCLING CAT A MDA/HAA CHANGED FROM MDA 500/HAA 467 TO MDA 520/HAA 465 – NEW DTED OBSTACLE.
7. MINIMUMS: CIRCLING CAT B HAA CHANGED FROM 567 TO 565 – AIRPORT ELEVATION CHANGED.
8. MINIMUMS: CIRCLING CAT C MDA/HAA CHANGED FROM MDA 740/HAA 687 TO MDA 800/HAA 745 AND CAT C VIS CHANGED FROM 2 TO 2-1/4 – NEW MAN-MADE CONTROLLING OBSTACLE.
9. MINIMUMS: CIRCLING CAT D MDA/HAA CHANGED FROM MDA 1140/HAA 1087 TO MDA 1160/HAA 1105 – NEW DTED OBSTACLE



COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

X

HAI

NBAA

X

OTHER:

HCF, MAUI ATCT

FLIGHT CHECKED BY

KENNETH E JACK

Digitally signed by
ALLAN WILL
Aug 03, 2026

OFFICE
AJF

DATE
07/31/2026

DEVELOPED BY

DUSTIN HARDISON

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Aug 03, 2026

OFFICE
AJV-A422

DATE
05/11/2026

APPROVED BY

RAKE MCGRAW

Digitally signed by
ALLAN WILL
Aug 03, 2026

OFFICE
AJV-A422

DATE

TITLE
MANAGER

FEDERAL AVIATION ADMINISTRATION

FLIGHT STANDARDS SERVICE

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
OGG/PHOG	VOR Z OR TACAN RWY 20	1B	KAHULUI	HI	55	OGG

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM OGG VORTAC **TO** MIKEY/4.96 DME

<u>RNP</u>	<u>DISTANCE</u> 4.96	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>				<u>HMAS</u>	
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	205248.00N/1562121.00W	912	215	8	4B	2000				AT4088	7000
TERRAIN	205248.00N/1562121.00W	711 (700)								AS1500	2200

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM PLUMB/OGG 20.87 DME **TO** ULUAA/13.00 DME

<u>RNP</u>	<u>DISTANCE</u> 7.87	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>			<u>HMAS</u>	
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	210321.00N/1563033.00W	200	215	8	4B	1000				AT1800	3000
TERRAIN (WATER)	210321.00N/1563033.00W	0								AS1500	1500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL: ARC

FROM

ULUAA/13.00 DME CW

TO

CELIU/13.00 DME

<u>RNP</u>	<u>DISTANCE</u> 0.00	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
SHIP	210321.00N/1563033.00W	208	50	20	2C	1000				AT1792	3000
TERRAIN (WATER)	210448.00N/1563124.00W	0								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: ARC

FROM

JNKOH/13.00 DME CCW

TO

OPANA/13.00 DME

<u>RNP</u>	<u>DISTANCE</u> 0.00	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	205227.00N/1561409.00W	1913	215	8	4B	1000				AT4487	7400
TERRAIN	205321.00N/1561439.00W	1220 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: ARC STEPDOWN

FROM

OPANA/13.00 DME CCW

TO

CELIU/13.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	0.00										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	205518.00N/1561533.00W	699	215	8	4B	1000				AT1301	3000
TERRAIN	200605.00N/1561545.00W	288 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

CELIU/13.00 DME

TO

MIKEY/4.96 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	8.04										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	210326.83N/1562045.40W	208	50	20	2C	500				AT992	1700
TERRAIN	210245.00N/1562106.00W	0 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL

FROM

MIKEY/4.96 DME

TO

OGG VORTAC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	4.96		OGG VORTAC				433				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
SHIP	205709.00N/1562321.00W	208	50	20	2C	250					460

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PROCEDURE TURN

FROM

MIKEY/4.96 DME

TO

10 NM

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	205624.00N/1561715.00W	437	215	8	4B	1000				AT1563	3000
TERRAIN (WATER)	205624.00N/1561715.00W	0								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSSED APPROACH

FROM

OGG VORTAC

TO

KEIKI/17.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 210			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				5600
14. AAO	203518.00N/1563412.00W	1011	164	98	4E	1000					2100
AAO	205025.00N/1563320.00W	4200	100	10	3B	1000				PR350	5600
15. TERRAIN	203518.00N/1563412.00W	811 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE	205206.00N/1562554.00W	1.30	465	218	215	8	4B	300			520
CATEGORY B											
TOWER (15-000253)	205155.88N/1562512.25W	1.81	565	313	20	3	1A	300			620
CATEGORY C											
UTILITY POLE	205051.74N/1562447.14W	2.84	745	444	250	50	4D	300		AC50	800
CATEGORY D											
AAO	205230.00N/1562157.00W	3.71	1105	860	215	8	4B	300			1160

CIRCLING REMARKS:

MSA

CENTER

OGG VORTAC

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
069-170	AAO	204236.00N/1561515.00W	130	15.0	10207	215	8	4B	1000			11300
170-320	AAO	205327.00N/1563512.00W	253	9.4	5985	215	8	4B	1000			7000
320-069	AAO	205200.00N/1561506.00W	093	9.8	2366	215	8	4B	1000			3400

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	OGG/PHOG	24	OGG/PHOG		Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS

WX REMARKS:

REDUNDANT ALTIMETER SOURCE ON AIRPORT

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
OGG VORTAC	POCC	24	1

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW05 - MIRL (PCL), PAPI-4L (PCL)	NPI-G	
RW23 - MIRL (PCL)	NPI-G	
RW02 - MALSR (PCL), HIRL (PCL), PAPI-4R	PIR-G	
RW20 - HIRL (PCL), PAPI-4L (PCL)	PIR-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
					3.00	75.6

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☐	5097 FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☐	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	VOR Z OR TACAN RWY 20		
34:1			
75 TREE (15-023410) 205431.67N/1562518.18W (18.4)		58 TREE (15-023204) 205428.77N/1562518.17W (8.43)	
59 TREE (15-023536) 205428.86N/1562517.43W (8.03)		58 TREE (15-022779) 205431.18N/1562520.50W (6.3)	
62 TREE (15-023372) 205429.85N/1562515.48W (5.51)		61 TREE (15-022802) 205432.03N/1562518.86W (4.61)	
52 TREE (15-023397) 205428.14N/1562518.16W (3.95)		48 TREE (15-023415) 205428.64N/1562518.96W (0.01)	
<u>PENETRATIONS REMARKS:</u>			

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

50 FT VEGETATION. 208 FT SHIP OUTSIDE AAO EXEMPT AREA PER FPT.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

<u>AIRPORT ID</u> OGG/PHOG	<u>PROCEDURE NAME</u> VOR Z OR TACAN RWY 20	<u>AMDT NO.</u> 1B	<u>CITY</u> KAHULUI	<u>STATE</u> HI	<u>AIRPORT ELEVATION</u> 55	<u>FACILITY</u> OGG
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PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	MAP	TO 1000FT POINT	3.24
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.34
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	205.00
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	100
DISTANCE FROM	MAP	TO 1500FT POINT	4.81
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.50
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	205.00
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	100

THRESHOLD COORDINATES (IF STR-IN)

205417.74N/1562528.44W

ARP COORDINATES

205355.14N/1562549.65W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 2 DISTANCE 0.66 NM

FAF COORDINATES

205853.99N/1562301.02W

FIX NAME COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
DUSTIN HARDISON	AJV-A422	05/11/2026	AERONAUTICAL INFORMATION SPECIALIST