

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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</u> SIERRA VISTA MUNI-LIBBY AAF	<u>AIRPORT ID</u> KFHU	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 26	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> FORT HUACHUCA SIERRA VISTA	<u>STATE</u> AZ	
<u>AIRPORT ELEVATION</u> 4719	<u>TDZE</u> 4629	<u>SUPERSEDED</u> RNAV (GPS) RWY 26	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 11/23/2006	<u>MAG VAR</u> 10E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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>
CAYLA	IAF	MICCO		TF	FB	1.00	202.76	6.34	7400
MICCO	IF	SERRA		TF	FB	1.00	260.02	6.89	6300
SERRA	FAF	RW26	MAP	TF	FO	0.30	259.95	5.11	
RW26	MAP	5040 MSL		CA			259.95		
5040 MSL		TOMBS		DF	FO	1.00			9500

MISSED APPROACH

MAP:

LNAV: RW26

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 9500 DIRECT TOMBS AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9500.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. PROFILE STARTS AT MICCO

3. FAC: 259.95 FAF: SERRA DIST FAF TO MAP: 5.11 DIST FAF TO THLD: 5.11

4. MIN ALT: MICCO 7400, SERRA 6300

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT:

6. MIN GP INCPT: GP ALT AT FAF : OM: MM: IM:

7. GP ANGLE: 34:1: IS CLEAR 20:1: IS CLEAR TCH:

8. MSA FROM: RW26 16000

QUALITY
31
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: CIRCLING NOT AUTHORIZED SOUTH OF RUNWAYS 8 AND 30.

ADDITIONAL FLIGHT DATA:

CHART: ASR/PAR
SERRA TO RW26: 3.05/49.
CHART R-2303A/B/C, R-2312
CHART VDP AT 1.13 NM TO RW26
CHART FAS OBST: 4737 TOWER 313450N/1101950W.
HOLD E, RT, 286.38 INBOUND

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

ALTERNATE: NA ☐ STANDARD - NA WHEN CONTROL TOWER CLOSED.

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
LNAV MDA	5040	1	411	5040	1	411	5040	1 1/4	411	5040	1 1/4	411			
CIRCLING	5160	1	441	5180	1	461	5180	1 1/2	461	5280	2	561			

CHANGES - REASONS

- 1. ADDED CLIMB-IN-HOLD INSTRUCTION TO MISSED APPROACH - PER LEVEL SURFACE REQUIREMENTS.
- 2. REMOVED DME RNP NOTE, ADD PBN REQ NOTE - PER 19H.
- 3. VDP UPDATED TO 1.13 NM TO RW26 - PER LATEST EVAL.
- 4. ALL MAG COURSES INCREASED 3 DEG - REF MVAR 2015/E10 VS 1965/E13.
- 5. ADDED NON-COIN NOTE - PER 19H.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZAB, FHU ATCT, HQ USAASA, AIRPORT MANAGER, ST. AV. DIR, ATA

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY
PHILLIP BRANDENBURG

Digitally signed by
PHILLIP BRANDENBURG
Jul 08, 2019

OFFICE
AJV-A423

DATE
03/19/2019

APPROVED BY
JULIE MORGAN

OFFICE
AJV-A420

DATE

TITLE
MANAGER



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
SIERRA VISTA MUNI-LIBBY AAF	KFHU	RNAV (GPS) RWY 26	ORIG-A	FORT HUACHUCA SIERRA VISTA	AZ	4719	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM
CAYLA

TO
MICCO

<u>RNP</u>	<u>DISTANCE</u> 6.34	<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>
1.200' AAO	314009.00N/1100403.00W		5549	250	50	4D	1000				AT851	7400
2.TERRAIN	314009.00N/1100403.00W		5349 (5300)								AS1500	6800

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM
MICCO

TO
SERRA

<u>RNP</u>	<u>DISTANCE</u> 6.89	<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>
3.200' AAO	313703.00N/1100930.00W		4670	250	50	4D	500				AT1130	6300
4.TERRAIN	313703.00N/1100930.00W		4470 (4500)								AS1500	6000

COMPUTATIONS

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

SEGMENT REMARKS:



FINAL: LNAV

FROM
SERRA

TO
RW26

<u>RNP</u>	<u>DISTANCE</u> 5.11	<u>PAT</u>	<u>MAP</u> RW26	<u>HAT</u> 411			<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>
5.TOWER (KFHU0051)	313449.52N/1101950.35W		4737	20	3	1A	250				MA53	5040

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

MISSED APPROACH : LNAV

FROM
RW26

TO
TOMBS

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 4790					
<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				9500
6.POLE (03-0405)	313445.00N/1102121.00W		4789	20	3	1A	1000					5800
7.TERRAIN	314148.00N/1100818.00W		4807 (4800)								AS1500	6300

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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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											
8.20' SHRUB	313518.82N/1102331.70W	1.30	441	4794	50	20	2C	300			5160
CATEGORY B											
9.20' SHRUB	313515.68N/1102345.94W	1.50	461	4844	50	20	2C	300		HAA	5180
CATEGORY C											
9.20' SHRUB	313515.68N/1102345.94W	1.70	461	4844	50	20	2C	300		HAA	5180
CATEGORY D											
10.20' SHRUB	313517.43N/1102442.66W	2.30	561	4894	50	20	2C	300		HAA	5280

CIRCLING REMARKS:

MSA

CENTER	RADIUS
RW26	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	BALLOON (03-0378)	312907.00N/1101747.00W	152	06.3	15000	500	125	5E	1000			16000

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

USED 20 FEET FOR SHRUBS

OBST 8, 9, 10: 2C ACCURACY APPLIED LOCATION ON QUAD VERIFIED

TAA NA AT ARMY REQUEST

LNAV ONLY AT ARMY REQUEST DUE TO AVIONICS LIMITATIONS/TERRAIN.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
FHU APP CON, ZAB ARTCC

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KFHU	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KFHU	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>

WX REMARKS:

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW		H-G	
RW03 - MIRL (PCL)		NPI-G	
RW12 - MIRL (PCL), PAPI-4L (PCL)		NPI-G	
RW21 - MIRL (PCL)		NPI-G	
RW30 - MIRL (PCL), PAPI-2R (PCL)		NPI-G	
RW08 - HIRL (PCL), PAPI-4L		PIR-G	
RW26 - HIRL (PCL), PAPI-4L		PIR-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 80.3
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:



AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
SIERRA VISTA MUNI-LIBBY AAF	KFHU	RNAV (GPS) RWY 26	ORIG-A	FORT HUACHUCA SIERRA VISTA	AZ	4719	RNAV

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	THLD	TO 1000FT POINT	2.78
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	243.95
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	4639
DISTANCE FROM	THLD	TO 1500FT POINT	4.71
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.76
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	243.95
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	4639

THRESHOLD
COORDINATES
(IF STR-IN)

313515.45N/1101942.68W

ARP COORDINATES

313518.50N/1102039.80W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 8 DISTANCE 1.97 NM

FAF
COORDINATES

313515.84N/1101343.62W

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

QUALITY
31
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PART E: PREPARED BY							
<u>NAME</u> PHILLIP BRANDENBURG			<u>OFFICE</u> AJV-A423	<u>DATE</u> 03/19/2019	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST		

QUALITY
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