

**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> CROSS CITY	<u>AIRPORT ID</u> KCTY	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 1C	<u>CITY</u> CROSS CITY	<u>STATE</u> FL
<u>AIRPORT ELEVATION</u> 42	<u>TDZE</u> 42	<u>SUPERSEDED</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 07/18/2019	<u>MAG VAR</u> 5W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 12 SEPTEMBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2010

**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>
CTY VORTAC		OKBIE		TF	FO	1.00	143.70	7.62	2000
ORATE	IAF	OKBIE	NOPT	TF	FB	1.00	343.73	10.46	2000
OKBIE	IF/IAF	HAMVU		TF	FB	1.00	318.69	6.10	1600
HAMVU	FAF	RW31	MAP	TF	FO	0.30	318.65	4.65	
RW31	MAP	383 MSL		CA			318.65		
383 MSL		WATKI		DF	FB				
WATKI		ZEVEL		TF	FB	1.00	048.65	9.00	
ZEVEL		JUVIX		TF	FB	1.00	138.65	15.75	
JUVIX		OKBIE		TF	FO	1.00	228.82	9.00	2000

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW31

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2000 DIRECT WATKI AND RIGHT TURN ON TRACK 048.65 TO ZEVEL AND ON TRACK 138.65 TO JUVIX AND RIGHT TURN ON TRACK 228.82 TO OKBIE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

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

2. HOLD SE OKBIE, RT, 318.69 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 318.65      FAF: HAMVU      DIST FAF TO MAP: 4.65      DIST FAF TO THLD: 4.65

4. MIN ALT: OKBIE 2000, HAMVU 1600

5. DIST TO THLD FROM OM:      MM:      IM:      150 HAT:      341 HAT: 0.89      GS ANT:

6. MIN GP INCPT: 1600      GP ALT AT FAF : HAMVU 1600      OM:      MM:      IM:

7. GP ANGLE: 3.00      34:1: IS NOT CLEAR      20:1: IS NOT CLEAR      TCH: 59.0

8. MSA FROM: RW31 2100

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.  
CHART NOTE: RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.  
CHART NOTE: BARO-VNAV NA.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: USE WILLISTON ALTIMETER SETTING; WHEN NOT RECEIVED, USE GAINESVILLE ALTIMETER SETTING AND INCREASE ALL DA 25 FEET AND ALL MDA 40 FEET.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CTY VORTAC ON AIRWAY RADIALS 083 CW 203.

ADDITIONAL FLIGHT DATA:

CHART WILLISTON AWOS-3  
WAAS CHANNEL #45620  
REFERENCE PATH ID: W31A  
FAS OBST: 239 AAO 293438N/0830344W.  
LTP HAE: -15.3 M

MINIMUMS:

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

ALTERNATE: NA ☒



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
LPV DA	383	1 1/4	341	383	1 1/4	341	383	1 1/4	341	383	1 1/4	341			
LNAV/VNAV DA	546	1 3/4	504	546	1 3/4	504	546	1 3/4	504	546	1 3/4	504			
LNAV MDA	580	1	538	580	1	538	580	1 1/2	538	580	1 3/4	538			

CHANGES - REASONS

1. CHANGED NOTE: USE WILLISTON ALTIMETER SETTING; WHEN NOT RECEIVED, USE GAINESVILLE ALTIMETER SETTING AND INCREASE ALL DA 25 FEET AND ALL MDA 40 FEET, INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE TO USE WILLISTON ALTIMETER SETTING; WHEN NOT RECEIVED, USE GAINESVILLE ALTIMETER SETTING AND INCREASE ALL DA 25 FEET AND ALL MDA 40 FEET. - NPA CANCELLATION.
2. CHANGED NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED TO RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. - 8260.19H, PARA 8-6-11, K(3).

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: JAX APP CON, ARPT MGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:  
FLIGHT INSPECTION REVIEW NOT REQUIRED

DEVELOPED BY

BRETT E. CANNON

Digitally signed by

BRETT CANNON

Aug 01, 2019

OFFICE

Digitally signed by

DATE

WARDELL HENNING

Aug 05, 2019

OFFICE

AJV-A432

DATE

08/01/2019

APPROVED BY

GEORGE DAVIS

Digitally signed by

WARDELL HENNING

Aug 05, 2019

OFFICE

AJV-A430

DATE

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCTY
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	293738.1915N
LTP/FTP LONGITUDE	0830604.8535W
LTP/FTP ELLIPSOIDAL HEIGHT	-00153
FPAP LATITUDE	293839.8000N
FPAP LONGITUDE	0830718.8700W
THRESHOLD CROSSING HEIGHT (TCH)	00059.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	5BBB80B3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00124
FPAP ORTHOMETRIC HEIGHT	+00124

