

**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 ID</u> GNV	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> GAINESVILLE	<u>STATE</u> FL
<u>AIRPORT ELEVATION</u> 151	<u>TDZE</u> 122	<u>SUPERSEDED</u> RNAV (GPS) RWY 29	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 05/20/2021
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 4W
				<u>EPOCH YEAR</u> 2005
				<u>CANCEL/SUSPEND</u>

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 196/30 CW 016/30	NOPT	196/20 CW 016/20		2500
2. 196/20 CW 016/20		TUKSE	IF/IAF	2000
3. 016/30 CW 106/30		016/14 CW 106/14		2500
4. 016/14 CW 106/14		BUSJY	IAF	2000
5. 106/30 CW 196/30		106/14 CW 196/14		2100
6. 106/14 CW 196/14		OBJOH	IAF	2000

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>
BUSJY	IAF	TUKSE	NOPT	TF	FB	1.00	016.36	5.80	2000
OBJOH	IAF	TUKSE	NOPT	TF	FB	1.00	196.40	5.80	2000
TUKSE	IF/IAF	JONTU		TF	FB	1.00	286.37	5.95	1700
JONTU	FAF	ZOSLI/2.64 NM TO RW29		TF	FB	0.30	286.33	2.20	
ZOSLI/2.64 NM TO RW29		RW29	MAP	TF	FO	0.30	286.33	2.64	
RW29	MAP	322 MSL		CA			286.33		
322 MSL		LOLRY		DF	FO	1.00			2100

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW29

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2100 DIRECT LOLRY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD E TUKSE, RT, 286.38 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 10000.														
3.	FAC:	286.33	FAF:	JONTU	DIST FAF TO MAP:	4.84	DIST FAF TO THLD:	4.84							
4.	MIN ALT:	TUKSE 2000, JONTU 1700, ZOSLI/2.64 NM TO RW29 1000													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		200 HAT:	0.51	GS ANT:				
6.	MIN GP INCPT:	1700	GP ALT AT PFAF:	JONTU 1700					OM:		MM:			IM:	
7.	GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	53.8							
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -3°C OR ABOVE 54°C.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING OCF ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OCF ALTIMETER SETTING AND INCREASE LPV DA TO 403 FEET; INCREASE LNAV/VNAV DA TO 488 FEET AND ALL VISIBILITIES TO RVR 3500. INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CAT C/D TO RVR 5000, AND CIRCLING VISIBILITY CAT C/D 1/2 SM.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500 AND LNAV CATS C AND D VISIBILITY TO RVR 5500.
CHART NOTE: FOR INOPERATIVE ALS WHEN USING OCF ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500, LNAV/VNAV ALL CATS VISIBILITY TO RVR 5500, AND LNAV VISIBILITY CAT C/D TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 106.17 INBOUND.
CHART FAS OBST: 238 TREE 294139N/0821527W.
CHART VDP AT 1.07 NM TO RW29.
WAAS CHANNEL # 60916
REFERENCE PATH ID: W29A
LTP HAE: 4.2 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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
LPV DA	322	2400	200	322	2400	200	322	2400	200	322	2400	200			
LNAV/VNAV DA	407	2400	285	407	2400	285	407	2400	285	407	2400	285			
LNAV MDA	500	2400	378	500	2400	378	500	3500	378	500	3500	378			
CIRCLING	620	1	469	700	1	549	760	1 3/4	609	820	2	669			



CHANGES - REASONS

1. MINIMUMS: LPV DA/HAT CHANGED FROM "420/298" TO "322/200"- UPDATED TARGETS EVAL.
2. MINIMUMS: LNAV/VNAV DA/HAT CHANGED FROM "480/358" TO "407/285" AND VIS CHANGED FROM "4000" TO "2400" - UPDATED TARGETS EVAL; 8260.3F VISIBILITY TABLES.
3. MINIMUMS: LNAV CAT C VIS CHANGED FROM "2400" TO "3500" AND LNAV CAT D VIS CHANGED FROM "5000" TO "3500" - 8260.3F VISIBILITY TABLES.
4. TAA STRAIGHT-IN: UPDATED CLOCKWISE HEADINGS - PER FPT; UPDATED TARGETS EVAL.
5. TAA LEFT BASE: ADDED "016/14 CW 106/14" AND ALTITUDE OF 2000 - PER FPT; UPDATED TARGETS EVAL.
6. TAA RIGHT BASE: ADDED "106/14 CW 196/14" AND ALTITUDE OF 2000 - PER FPT; UPDATED TARGETS EVAL.
7. TERMINAL ROUTES: COURSE FROM BUSJY TO TUSKE CHANGED FROM "016.37" TO "016.36" AND DISTANCE FROM "5.00" TO "5.80" - UPDATED TARGETS EVAL; 5.8 NM FOR ATC VECTORS.
8. TERMINAL ROUTES: COURSE FROM OBJOH TO TUSKE CHANGED FROM "196.39" TO "196.40" AND DISTANCE FROM "5.00" TO "5.80" - UPDATED TARGETS EVAL; 5.8 NM FOR ATC VECTORS.
9. TERMINAL ROUTES: COURSE FROM TUKSE TO JONTU CHANGED FROM "286.38" TO "286.37" AND DISTANCE FROM "6.00" TO "5.95" - UPDATED TARGETS EVAL; JUNTO MOVED TO ALIGN WITH THE DESIGN TCH OF 3.00/53.8'.
10. TERMINAL ROUTES: ADDED LEGS "JONTU TO ZOSLI/2.64 NM TO RW29" AND "ZOSLI/2.64 NM TO RW29" - CURRENT CRITERIA; STEPDOWN LEG ADDED TO MAINTAIN LNAV MDA OF 500.
11. TERMINAL ROUTES: CA LEG ALTITUDE CHANGED FROM "420" TO "322" AND HEADING FROM "286.32" TO "286.33" - LPV MINS LOWERED; UPDATED TARGETS EVAL.
12. LINE 2: ADDED "MAX 10000" - 8260.19J 8-6-7.B(2).
13. LINE 3: FAC CHANGED FROM "286.32" TO "286.33", DIST FAF TO MAP CHANGED FROM "4.78" TO "4.84", DIST FAF TO THLD CHANGED FROM "4.78" TO "4.84" - UPDATED TARGETS EVAL; JUNTO MOVED TO ALIGN WITH THE DESIGN TCH OF 3.00/53.8'.
14. LINE 4: ADDED "ZOSLI/2.64 NM TO RW29 1000" - 8260.19J 8-6-7.D.
15. LINE 5: ADDED "200 HAT: 0.51" - 8260.19J 8-6-7.E.
16. LINE 6: ADDED "GP ALT AT PFAF: JONTU 1700" - 8260.19J 8-6-7.F.
17. LINE 7: TCH CHANGED FROM "50.0" TO "53.8" AND ADDED "20:1: IS CLEAR" - TO MATCH THE DESIGN TCH FOR ILS RWY 29; 8260.19J 8-6-7.G(3).
18. REMOVED CHART NOTE: "DME/DME RNP-0.3 NA" AND ADDED PBN REQUIREMENTS NOTE: "RNP APCH - GPS" - 8260.19J 8-6-8.
19. REMOVED CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 25 NA AT NIGHT - NO LONGER REQUIRED; UPDATED TARGETS EVAL.
20. CHANGED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -3C OR ABOVE 54C" - UPDATED CRITICAL TEMP VALUES; 8260.19J 8-6-10.R.
21. CHANGED CHART NOTE FROM "BARO-VNAV AND VDP NA WHEN USING OCALA INTL-JIM TAYLOR FLD ALTIMETER SETTING" TO "BARO-VNAV AND VDP NA WHEN USING OCF ALTIMETER SETTING" - 8260.19J 8-6-10.E(8) AND (9).
22. CHANGED CHART NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OCALA INTL-JIM TAYLOR FIELD ALTIMETER SETTING AND INCREASE LPV DA TO 501 FEET AND ALL CATS VISIBILITY TO RVR 5000; INCREASE LNAV/VNAV DA TO 561 FEET AND ALL CATS VISIBILITY TO RVR 5000; INCREASE ALL MDAS 100 FEET AND INCREASE LNAV CAT C VISIBILITY TO RVR 4000; INCREASE CIRCLING CAT C VISIBILITY 1/4 SM AND CIRCLING CAT D 1/2 SM" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OCF ALTIMETER SETTING AND INCREASE LPV DA TO 403 FEET; INCREASE LNAV/VNAV DA TO 488 FEET AND ALL VISIBILITIES TO RVR 3500. INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CAT C/D TO RVR 5000, AND CIRCLING VISIBILITY CAT C/D 1/2 SM" - UPDATED TARGETS EVAL; 8260.19J 8-6-10.
23. CHANGED CHART NOTE FROM "FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000 AND INCREASE LNAV CAT D VISIBILITY TO RVR 6000" TO "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500 AND LNAV CATS C AND D VISIBILITY TO RVR 5500" - UPDATED TARGETS EVAL; CURRENT CRITERIA FORMAT.
24. CHANGED CHART NOTE FROM "FOR INOPERATIVE MALSR USING OCALA INTL-JIM TAYLOR FLO ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 1 1/2 MILE" TO "FOR INOPERATIVE ALS WHEN USING OCF ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 5500, AND LNAV VISIBILITY CAT C/D TO 1 3/8 SM" - UPDATED TARGETS EVAL; CURRENT CRITERIA FORMAT.
25. REMOVED CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT - GPA/TCH IS NOW 3.00/53.8.
26. ADDITIONAL FLIGHT DATA: CHANGED FAS OBST FROM "193 TREE 294101N/0821441W, 199 TREE 294100N/0821142W" TO "CHART FAS OBST: 238 TREE 294139N/0821527W" - UPDATED TARGETS EVAL.
27. ADDITIONAL FLIGHT DATA: REMOVED "CHART DIST TO THLD FROM 298 HAT: 0.83 NM" - PER CURRENT CRITERIA.
28. ADDITIONAL FLIGHT DATA: CHANGED "CHART VDP AT 0.96 MILES TO RW29*" TO "CHART VDP AT 1.07 NM TO RW29" - UPDATED TARGETS EVAL; 8260.19J 8-6-11.M.(2).
29. ADDITIONAL FLIGHT DATA: REMOVED *LNAV ONLY - NO LONGER CRITERIA.
30. ADDITIONAL FLIGHT DATA: REMOVED "CHART 227 TREE 294106N/0820957W" - UPDATED TARGETS EVAL.
31. ADDITIONAL FLIGHT DATA: ADDED "LTP HAE: 4.2 M" - 8260.19J 8-6-11.J.(3).
32. CRC REMAINDER CHANGED FROM "14A12037" TO "ABC50171" - LTP LAT/LONG CHANGED FROM "294110.2200N/0821527.0300W" TO "294110.2130N/0821527.0275W", LTP ELLIPSOIDAL HEIGHT CHANGED FROM "+00040" TO "+00042", FPAP LAT/LONG CHANGED FROM "294126.0100N/0821650.1400W" TO "294129.2015N/0821706.9845W", TCH CHANGED FROM "00050.0" TO "00053.8", COURSE WIDTH AT THRESHOLD CHANGED FROM "106.50" TO "106.75", LENGTH OFFSET CHANGED FROM "0000" TO "0464", VAL CHANGED FROM "50.0" TO "35.0", LTP ORTHOMETRIC HEIGHT CHANGED FROM "+00319" TO "+00320", FPAP ORTHOMETRIC HEIGHT CHANGED FROM "+00319" TO "+00320".



COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

X

HAI

NBAA

X

OTHER: ZJX, JAX APP CON, GNV ATCT, AMGR

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY

TIMOTHY JOHNSON

Digitally signed by

Timothy Johnson

Apr 15, 2025

OFFICE

AJV-A421

DATE

01/24/2025

APPROVED BY

DAVID DANNER

OFFICE

AJV-A421

DATE

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGNV
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	294110.2130N
LTP/FTP LONGITUDE	0821527.0275W
LTP/FTP ELLIPSOIDAL HEIGHT	+00042
FPAP LATITUDE	294129.2015N
FPAP LONGITUDE	0821706.9845W
THRESHOLD CROSSING HEIGHT (TCH)	00053.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0464
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	ABC50171

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00320
FPAP ORTHOMETRIC HEIGHT	+00320



**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>
GNV	RNAV (GPS) RWY 29	2	GAINESVILLE	FL	151	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM 196/30 CW 016/30 **TO** 196/20 CW 016/20

<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>
TOWER (12-002347)	291607.00N/0820450.00W	1448	250	50	4D	1000				AC50	2500
TERRAIN	295039.00N/0815803.00W	239 (200)								AS1500	1700

COMPUTATIONS

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

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM 196/20 CW 016/20 **TO** TUKSE

<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>
TOWER (12-003353)	294541.00N/0815849.00W	627	500	50	5D	1000				AC50 AT323	2000
TERRAIN	295039.00N/0815803.00W	239 (200)								AS1500	1700

COMPUTATIONS

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

SEGMENT REMARKS:

QUALITY
34
CHECKED

LEFT BASE AREA

FROM

016/30 CW 106/30

TO

016/14 CW 106/14

<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>
TOWER (12-002347)	291607.00N/0820450.00W	1448	250	50	4D	1000				AC50	2500
TERRAIN	292321.00N/0821536.00W	249 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

LEFT BASE AREA

FROM

016/14 CW 106/14

TO

BUSJY

<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>
TOWER (12-001477)	293936.00N/0820054.00W	609	500	50	5D	1000				AC50 AT341	2000
TERRAIN	292321.00N/0821536.00W	249 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



RIGHT BASE AREA

FROM

106/30 CW 196/30

TO

106/14 CW 196/14

<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>
TOWER (12-000533)	294234.89N/0822339.39W	1024	250	50	4D	1000				AC50	2100
TERRAIN	301327.00N/0820242.00W	337 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

RIGHT BASE AREA

FROM

106/14 CW 196/14

TO

OBJOH

<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>
TOWER (12-002301)	295212.77N/0821206.05W	843	50	20	2C	1000				AC20 AT137	2000
TERRAIN	295518.00N/0820154.00W	318 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM

BUSJY

TO

TUKSE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	5.80										
<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>
TOWER (12-003299)	293524.39N/0820421.66W	501	250	50	4D	1000				AT499	2000
TERRAIN	293633.00N/0820145.00W	190 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

OBJOH

TO

TUKSE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	5.80										
<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>
TOWER (12-001477)	293936.00N/0820054.00W	609	500	50	5D	1000				AT391	2000
TERRAIN	294245.00N/0820548.00W	183 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM

TUKSE (IF/IAF)

TO

JONTU

RNP

1.00

DISTANCE

5.95

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (12-001477)	293936.00N/0820054.00W	609	500	50	5D	500				SA-89	1100
TERRAIN	294212.00N/0820700.00W	177 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

JONTU

TO

RW29

RNP

0.30

DISTANCE

4.84

PAT

MAP

DA

HAT

200

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				322

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM

JONTU

TO

RW29

RNP	DISTANCE	PAT	MAP	HAT	HMAS						
0.30	4.84		DA	285							
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	294139.00N/0821527.00W	238	215	8	4B	161				AC8	407

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

JONTU

TO

ZOSLI/2.64 NM TO RW29

RNP	DISTANCE	PAT	MAP	HAT	HMAS						
0.30	2.20										
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	294021.00N/0821054.00W	319	215	8	4B	250				RA100	1000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

ZOSLI/2.64 NM TO RW29

TO

RW29

RNP	DISTANCE	PAT	MAP	HAT	HMAS						
0.30	2.64		RW29	378							
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	294139.00N/0821527.00W	238	250	10	4B	250					500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

QUALITY
34
CHECKS

HOLD-IN-LIEU OF PT

FROM

TUKSE

TO

P-4

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-4	<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>
TOWER (12-001477)	293936.00N/0820054.00W	609	500	50	5D	1000				AT391	2000
TERRAIN	293906.00N/0815506.00W	223 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LPV

FROM

DA

TO

LOLRY

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 147			
<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				2100
TOWER (12-000533)	294234.89N/0822339.39W	1024	250	50	4D	1000					2100
TERRAIN	294327.00N/0822154.00W	219 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

LOLRY

RNP 0.30-1.00	DISTANCE	PAT	MAP		HAT		HMAS 246				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2100
TOWER (12-000533)	294234.89N/0822339.39W	1024	250	50	4D	1000					2100
TERRAIN	294327.00N/0822154.00W	219 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW29

TO

LOLRY

RNP 0.30-1.00	DISTANCE	PAT	MAP		HAT		HMAS 400				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2100
TOWER (12-000533)	294234.89N/0822339.39W	1024	250	50	4D	1000					2100
TERRAIN	294327.00N/0822154.00W	219 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID

GNV

PROCEDURE NAME

RNAV (GPS) RWY 29

AMDT NO.

2

CITY

GAINESVILLE

STATE

FL

AIRPORT ELEVATION

151

FACILITY

RNAV

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											
TANK (12-002792)	294015.00N/0821735.00W	1.30	469	308	20	3	1A	300			620
CATEGORY B											
TOWER (12-003769)	294333.11N/0821600.61W	1.81	549	383	50	20	2C	300			700
CATEGORY C											
TOWER (12-002578)	293835.64N/0821644.87W	2.84	609	454	20	3	1A	300			760
CATEGORY D											
TOWER (12-143117)	293836.66N/0821907.64W	3.71	669	510	20	3	1A	300			820

CIRCLING REMARKS:

MSA/ESA

CENTER

RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

JAX APP CON, GNV TOWER, GNV FSS

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	GNV	24	GNV	0	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3PT	OCF	24	OCF	31.21	Y	81

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
GNV 151, OCF 90
RA = 80.2

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW07 - MIRL (PCL), PAPI-4L		NPI-G	
RW25 - MIRL (PCL), PAPI-4L		NPI-G	
RW11 - REIL, HIRL (PCL), PAPI-4L		PIR-G	ROLL OUT
RW29 - MALSR (PCL), HIRL (PCL), PAPI-4R		PIR-G	APPROACH

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	105.1	53.8			3.00	54.6

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-3C	+54C	-3C	+14.7C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2020-2024).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 956 HIGH TEMP 1262.

"VISUAL PORTION OF FINAL" PENETRATIONS



HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
VEGETATION HEIGHT: 100 FT, PER FPT CHECKLIST.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

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	2.96
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	282.33
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	100
DISTANCE FROM	THLD	TO 1500FT POINT	4.64
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	282.33
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	100

THRESHOLD COORDINATES (IF STR-IN)	294110.21N/0821527.03W
ARP COORDINATES	294124.20N/0821618.40W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 29 DISTANCE 0.78 NM
FAF COORDINATES	294008.14N/0821001.37W
FIX NAME COORDINATES	

REMARKS

TAA: BUSJY (IAF) 293310.92N-0820446.66W; OBJOH (IAF) 294432.47N-0820155.39W; TUKSE (IF/IAF) 293851.69N-0820321.18W. RADIUS: 30 NM.

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
TIMOTHY JOHNSON	AJV-A421	01/24/2025	AERONAUTICAL INFORMATION SPECIALIST

