

**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> KSGJ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 2A	<u>CITY</u> ST AUGUSTINE	<u>STATE</u> FL		
<u>AIRPORT ELEVATION</u> 10	<u>TDZE</u> 8	<u>SUPERSEDED</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 03/29/2018	<u>MAG VAR</u> 4W	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 12 AUGUST 2021	<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>
MACMN	IAF	YUTKA	NOPT	TF	FB	1.00	340.35	5.00	2000
DOOKY	IAF	YUTKA	NOPT	TF	FB	1.00	280.38	5.00	2000
YUTKA	IF/IAF	ODREC		TF	FB	1.00	310.37	6.07	1700
ODREC	FAF	RW31	MAP	TF	FO	0.30	310.35	5.15	
RW31	MAP	218 MSL		CA			310.35		
218 MSL		UDUZO		DF	FB	1.00			
UDUZO		ORSOF		TF	FO	1.00	350.07	7.81	2000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT UDUZO AND ON TRACK 350.07 TO ORSOF AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD SE YUTKA, RT, 310.38 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 310.35FAF: ODFECDIST FAF TO MAP: 5.15DIST FAF TO THLD: 5.15

4. MIN ALT: YUTKA 2000, ODFEC 1700

5. DIST TO THLD FROM OM:MM:IM:150 HAT:210 HAT: 0.50GS ANT:

6. MIN GP INCPT: 1700GP ALT AT FAF : ODFEC 1700OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 54.0

8. MSA FROM: RW31 2300

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 2, 6 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 SM AND LNAV CAT C/D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD NE, LT, 220.25 INBOUND.
FAS OBST: 264 SHIP MAST 295647N/0811754W.
CHART W-158A, W-158E.
CHART VDP AT 1.44 NM TO RW31*
*LNAV ONLY.
WAAS CHANNEL # 77727
REFERENCE PATH ID: W31A
CHART CIRCLING ICON.
LTP HAE: -26.7 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/2, 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	218	1/2	210	218	1/2	210	218	1/2	210	218	1/2	210			
LNAV/VNAV DA	292	1/2	284	292	1/2	284	292	1/2	284	292	1/2	284			
LNAV MDA	520	1/2	512	520	1/2	512	520	1	512	520	1	512			
CIRCLING	520	1	510	580	1	570	680	1 3/4	670	780	2 1/2	770			



CHANGES - REASONS

1. CHANGED CIRCLING CAT C MDA/HAA FROM "670/660" TO "680/670" - INCORPORATE FDC NOTAM 9/4075, NEW CONTROLLING OBSTACLE IDENTIFIED.
2. REMOVED DME/DME RNP -0.3NA - NO LONGER REQUIRED.
3. ADDED PBN REQUIREMENTS NOTE: RNP APCH - IAW 8260.19H 8-6-8.B.(1)
4. CHANGED CRC REMAINDER FROM "0D64BBF1" TO "85F1742C" - AMENDED AIRNAV LTP COORDINATES FROM 295720.5360N/0811956.6350W TO 295720.5260N/0811956.6425W.
5. CHANGED ADDITIONAL FLIGHT DATA FROM "LTP HAE: -26.5 M" TO LPT HAE: -26.7 M" - LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM -00265 TO -00267, AIRNAV DATA.
6. ADDED "MAX 6000" TO HOLD-IN-LIEU ON LINE 2 - IAW 8260.19H PARA 8-6-7.B(2).
7. ADDED TO ALTERNATE MINIMUMS "NA WHEN LOCAL WEATHER NOT AVAILABLE" - 8260.19H 8-6-11B.
8. CHANGED "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C OR ABOVE 54C" - REMOVED FAHRENHEIT - IAW 8260.19H 8-6-9.S.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** AMGR, ZJX, JAX APP CON

FLIGHT CHECKED BY

MARC J HINCK

*Digitally signed by***JOHN BORDY**

Jun 29, 2021

OFFICE

FICO

DATE

06/08/2021

DEVELOPED BY

JOHN BORDY (GREG LINDSEY)

*Digitally signed by***JOHN BORDY**

Jun 29, 2021

OFFICE

AJV-A422

DATE

06/09/2020

APPROVED BY

MARLON ROBINSON

*Digitally signed by***JOHN BORDY**

Jun 29, 2021

OFFICE

AJV-A420

DATE**TITLE**
MANAGERQUALITY
24
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSGJ
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	295720.5260N
LTP/FTP LONGITUDE	0811956.6425W
LTP/FTP ELLIPSOIDAL HEIGHT	-00267
FPAP LATITUDE	295813.4170N
FPAP LONGITUDE	0812119.2985W
THRESHOLD CROSSING HEIGHT (TCH)	00054.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0560
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	85F1742C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00018
FPAP ORTHOMETRIC HEIGHT	+00018

