

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD  
INSTRUMENT APPROACH PROCEDURE  
FAR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
MATEO	EFURO (FB)	340.69 / 15.49	2000	LPV: DA LNAV/VNAV: DA LNAV: RW13  CLIMB TO 2000 DIRECT YUTKA AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, RT, 310.38 INBOUND. CHART FAS OBST: 96 TREE 295821N/0812125W CHART FAS OBST: 190 TOWER 300046N/0812334W DISTANCE TO THLD FROM 347 HAT: 0.91 NM. WAAS CHANNEL # 77711 REFERENCE PATH ID: W13A
CRG VORTAC	ORSOF (FB)	171.17 / 12.25	2100	
EFURO (IAF)	TUNJU (FB)	040.19 / 5.00	2000	
ORSOF (IAF)	TUNJU (FB)	220.25 / 5.00	2000	
TUNJU (IF)	UDUZO (FB)	130.22 / 6.00	1800	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT TUNJU
3. FAC: 130.26 FAF: UDUZO DIST FAF TO MAP: 4.75 THLD: 4.75
4. MIN. ALT: TUNJU 2000, UDUZO 1600
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 1600 GS ALT AT: UDUZO OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 58.0 34:1 IS NOT CLEAR
8. MSA FROM: RW13 2300

MAG VAR: 4W

EPOCH YEAR: 1995

**MINIMUMS**

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @					
CATEGORY =====>	A			B			C			D			E				
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	357	1 1/4	347	357	1 1/4	347	357	1 1/4	347	357	1 1/4	347					
LNAV/VNAV DA	391	1 1/4	381	391	1 1/4	381	391	1 1/4	381	391	1 1/4	381					
LNAV MDA	440	1	430	440	1	430	440	1 1/4	430	440	1 1/2	430					
CIRCLING	460	1	450	460	1	450	460	1 1/2	450	580	2	570					

NOTES:  
 CHART NOTE: BARO-VNAV NA WHEN USING JACKSONVILLE NAS/TOWERS FIELD ALTIMETER SETTING. © NA WHEN LOCAL WEATHER NOT AVAILABLE.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.  
 SEE 8260-10

CITY AND STATE	ELEVATION: 10 TDZE: 10	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD NO./EFFECTIVE DATE:	SUP:
ST AUGUSTINE, FL	AIRPORT NAME: ST AUGUSTINE		RNAV (GPS) RWY 13, ORIG 12 MAR 2009	AMDT: NONE
				DATED

QUALITY  
CHECKED

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**NOTES CONT.****CHART PROFILE NOTE: VQSI AND RNAV GLIDEPATH NOT COINCIDENT.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JACKSONVILLE NAS/TOWERS FIELD ALTIMETER SETTING AND INCREASE ALL DA 57 FEET AND ALL MDA 60 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CRG VORTAC AIRWAY RADIALS 184 CW 194.**

CITY AND STATE

ST AUGUSTINE, FL

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**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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**FAS DATA BLOCK INFORMATION**

**DATA FIELD**

**DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSGJ
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	295756.5100N
LTP/FTP LONGITUDE	0812052.8700W
LTP/FTP ELLIPSOIDAL HEIGHT	-00255
FPAP LATITUDE	295703.6300N
FPAP LONGITUDE	0811930.2100W
THRESHOLD CROSSING HEIGHT (TCH)	00058.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0832
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

**CRC REMAINDER**

9B26B1C3

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00029
FPAP ORTHOMETRIC HEIGHT	+00029

CITY AND STATE ST AUGUSTINE, FL	ELEVATION: 10 TDZE: 10	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 12 MAR 2009	SUP:
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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
CRG		CRG	010		IF		FB				
CRG		ORSOF	020	IAF	TF		FB	2.0	171.2 (167T)	012.3	02100
CRG		TUNJU	030		TF		FB		220.3 (216T)	005.0	02000
MATEO		MATEO	010		IF		FB				
MATEO		EFURO	020	IAF	TF		FB	2.0	340.7 (337T)	015.5	02000
MATEO		TUNJU	030		TF		FB	1.0	040.2 (036T)	005.0	02000
		TUNJU	010	FACF	IF		FB				02000
		UDUZO	020	FAF	TF		FB	0.5	130.2 (126T)	006.0	01600
		RW13	030	MAP	TF		FO	0.3	130.3 (126T)	004.8	00068

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	YUTKA	040		DF		FO	1.0			02000
	YUTKA	050		HM	R	FO	2.0	310.4 (306T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CRG	N302019.97	W0813035.74	N3020.333	W08130.596
	EFURO	N300016.25	W0813416.13	N3000.271	W08134.269
	MATEO	N294600.71	W0812712.60	N2946.012	W08127.210
	ORSOF	N300821.46	W0812727.53	N3008.358	W08127.459
	TUNJU	N300418.90	W0813051.97	N3004.315	W08130.866
	UDUZO	N300045.54	W0812517.39	N3000.759	W08125.290
	YUTKA	N295040.63	W0810932.76	N2950.677	W08109.546
	RW13	N295756.51	W0812052.87	N2957.942	W08120.881

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW13	00010		58

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