

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	
COLKI (IAF)	TUPUE (NOPT) (FB)	324.05 / 5.00	2800	LPV: DA LNAV/VNAV: DA LNAV: RW23R CLIMB TO 2500 DIRECT JEVEN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 053.88 INBOUND. CHART FAS OBST: 1046 TOWER 360903N/0795445W CHART FAS OBST: 975 TREE 360718N/0795505W DISTANCE TO THLD FROM 200 HAT: 0.48 NM. CHART VDP AT 1.35 MILES TO RW23R* *LNAV ONLY. WAAS CHANNEL # 90315 REFERENCE PATH ID: W23B
HEROR (IAF)	TUPUE (NOPT) (FB)	144.05 / 5.00	2800	
TUPUE (IF/IAF)	HEVED (FB)	234.09 / 6.10	2800	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NE TUPUE, RT, 234.09 INBOUND, 2800 FT. IN LIEU OF PT (IAF)
- FAC: 234.04 FAF: HEVED DIST FAF TO MAP: 5.84 THLD: 5.84
- MIN. ALT: TUPUE 2800, HEVED 2800
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2800 GS ALT AT: HEVED 2800 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR
- MSA FROM:

MAG VAR: 8W EPOCH YEAR: 2010

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	1056	2400	200	1056	2400	200	1056	2400	200	1056	2400	200			
LNAV/VNAV DA	1405	1 1/2	549	1405	1 1/2	549	1405	1 1/2	549	1405	1 1/2	549			
LNAV MDA	1340	2400	484	1340	2400	484	1340	4000	484	1340	5000	484			
CIRCLING	1440	1	514	1440	1	514	1440	1 1/2	514	1480	2	554			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
CHART NOTE: DME/DME RNP-0.3 NA.

QUALITY
3
CHECKED

CITY AND STATE GREENSBORO, NC	ELEVATION: 926 TDZE: 856 AIRPORT NAME: PIEDMONT TRIAD INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23R, ORIG 22 OCT 2009	SUP: AMDT: NONE DATED
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TAA

	FROM	TO	ALT
1.	144/30 CW 324/30 (NOPT)	144/15 CW 324/15	3600
	144/15 CW 324/15	TUPUE (IF/IAF) (FB)	2800
2.	324/30 CW 054/30	324/10 CW 054/10	3700
	324/10 CW 054/10	COLKI (IAF) (FB)	3100
3.	054/30 CW 144/30	054/15 CW 144/15	4200
	054/15 CW 144/15	HEROR (IAF) (FB)	3100

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CITY AND STATE

GREENSBORO, NC

ELEVATION: 926

TDZE: 856

AIRPORT NAME:

PIEDMONT TRIAD INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 23R, ORIG

22 OCT 2009

SUP:

AMDT: NONE

DATED:

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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 KGSO
RUNWAY RW23R
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W23B
REFERENCE PATH IDENTIFIER (APPROACH ID) 360659.1600N
LTP/FTP LATITUDE 0795613.7000W
LTP/FTP LONGITUDE +02291
LTP/FTP ELLIPSOIDAL HEIGHT 360557.1900N
FPAP LATITUDE 0795732.7400W
FPAP LONGITUDE 00055.0
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 0008
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 35.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

80D39741

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +02608
FPAP ORTHOMETRIC HEIGHT +02608

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KGSOK7FR23R	ACOLKI	010COLKIK7EA0E	A	IF						18000		A	JS
SUSAP KGSOK7FR23R	ACOLKI	020TUPUEK7EA0EE		010TF		32410050		+ 02800				A	JS
SUSAP KGSOK7FR23R	AHEROR	010HERORK7EA0E	A	IF						18000		A	JS
SUSAP KGSOK7FR23R	AHEROR	020TUPUEK7EA0EE		010TF		14410050		+ 02800				A	JS
SUSAP KGSOK7FR23R	ATUPUE	010TUPUEK7EA0EE	AR	HF		23410040		+ 02800		18000		A	JS
SUSAP KGSOK7FR23R	R	010TUPUEK7EA0E	I	IF				+ 02800		18000		A	JS
SUSAP KGSOK7FR23R	R	020HEVEDK7EA1E	F	051TF		23410051		+ 02800				A	JS
SUSAP KGSOK7FR23R	R	020HEVEDK7EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KGSOK7FR23R	R	030RW23RK7PG0G	M	031TF		23400059		00911		-300		A	JS
SUSAP KGSOK7FR23R	R	040JEVENK7EA0EYM		010DF				+ 02500				A	JS
SUSAP KGSOK7FR23R	R	050JEVENK7EA0EE		R020HM		05390040		+ 02500				A	JS

[illegible][illegible]

QUALITY
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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
	COLKI	COLKI	010	IAF	IF		FB				
	COLKI	TUPUE	020		TF		FB	1.0	324.1 (316T)	005.0	02800
	HEROR	HEROR	010	IAF	IF		FB				
	HEROR	TUPUE	020		TF		FB	1.0	144.1 (136T)	005.0	02800
	TUPUE	TUPUE	010	IAF	HF	R	FO		234.1 (226T)	004.0	02800
		TUPUE	010	FACF	IF		FB				02800
		HEVED	020	FAP	TF		FB	0.5	234.1 (226T)	006.1	02800
		RW23R	030	MAP	TF		FB	0.3	234.0 (226T)	005.8	00911

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JEVEN	040		DF		FO	1.0			02500
	JEVEN	050		HM	R	FO	2.0	053.9 (046T)	004.0	02500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COLKI	N361140.92	W0794119.21	N3611.682	W07941.320
	HEROR	N361853.50	W0794954.08	N3618.892	W07949.901
	HEVED	N361102.77	W0795102.48	N3611.046	W07951.041
	JEVEN	N355824.31	W0800708.79	N3558.405	W08007.147
	TUPUE	N361517.14	W0794536.64	N3615.286	W07945.611
	RW23R	N360659.16	W0795613.70	N3606.986	W07956.228

RUNWAY DATA	THRESHOLD
RWY	ELEVATION TCH
RW23R	00856 55

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1
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