

**GENERAL****Operational Hours****ATS Hours:** TWR 1100-0500 $\pm$ , use CTAF outside TWR OPS hours**AD OPS Hours:** Attended continuously**Airport Information****RFF:** FAA Index B / CAT 6**Fuel:** Jet A**PCN:** RWY 05/23: 44/F/A/X/T**Operation****Traffic Note:** Low Level Windshear Alert System (LLWAS) in operation.**Warnings****HMV VOR** unusable:

R076-R126 beyond 17NM below 8500ft.

R171-R178 beyond 27NM below 10000ft

R171-R178 within 27NM below 8500ft

**ARRIVAL****Speed**

MAX IAS 250KT below 10000ft.

**Communication****COM Failure:** See CRAR.**Arrival Procedure****Non-standard GP intercept position on****RWY 05**GP intercept RWY 05 at *337m / 1107ft* after landing threshold.Remaining LDG DIST beyond GP is *2101m / 6893ft*.**RWY 23**GP intercept RWY 23 at *326m / 1069ft* after landing threshold.Remaining LDG DIST beyond GP is *2112m / 6931ft*.**Warnings****ILS RWY 05:** GS unusable beyond 5° left and right of course.

GP autocouple not authorized below 2200ft.

## DEPARTURE

## Take-off Minima

RWY		05	
	ft - ft/SM	All departures	
1+2 ENG		0 - 5000R/1.0V	MNM climb gradient 4.2% up to 2500
3+4 ENG		0 - 2400R/0.5V	
All ACFT		c1100 - 3.0V	climb in visual conditions
		SID KINGS	
1+2 ENG		0 - 5000R/1.0V	MNM climb gradient 4.2% up to 3000
3+4 ENG		0 - 2400R/0.5V	
RWY		23	
1+2 ENG	ft - ft/SM	0 - 5000R/1.0V	MNM climb gradient 6.1% up to 2300
3+4 ENG		0 - 2400R/0.5V	
All ACFT		c1100 - 3.0V	climb in visual conditions
		SID KINGS	
1+2 ENG		0 - 5000R/1.0V	MNM climb gradient 6.1% up to 2300
3+4 ENG		0 - 2400R/0.5V	
RWY		09	
1+2 ENG	ft - ft/SM	0 - 1.0V	MNM climb gradient 3.6% up to 2000, or TKOF must occur no later than 1500ft/457m prior to RWY end.
3+4 ENG		0 - 0.5V	SID KINGS: MNM climb gradient 8.3% up to 5000
RWY		27	
	ft - ft/SM	All departures	
1+2 ENG		0 - 1.0V	MNM climb gradient 7.3% up to 2000
3+4 ENG		0 - 0.5V	
All ACFT		c400 - 2.5V	-
		SID KINGS	
1+2 ENG		0 - 1.0V	MNM climb gradient 7.3% up to 3200
3+4 ENG		0 - 0.5V	

## Speed

MAX IAS 250KT below 10000ft.

## Communication

COM Failure: See CRAR.

14-DEC-2017

TRI-KTRI

United States Bristol/Johnson/Kingsport Tri-Cities

AGC  
AFC

AFC

AFC

Tri-Cities Bristol/Johnson/Kingsport United States

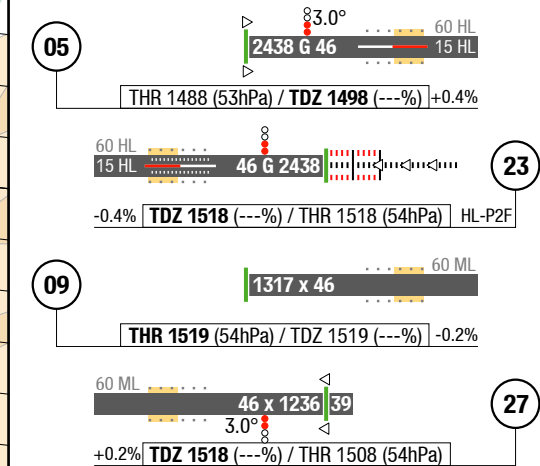
AGC  
AFC

2-10



ATIS	118.250 ASOS
Atlanta Center	127.850 0500-1100+
APP	134.425 (047°-227°) 1100-0500+
	125.500 (228°-046°) 1100-0500+
DEP	128.050 1100-0500+
	134.425 (047°-227°) 1100-0500+
	125.500 (228°-046°) 1100-0500+
TWR	119.500 1100-0500+
CTAF	119.500
GND	121.700
RCO (Nashville RDO)	122.200
Unicom	122.950

#### Landing RWY system:



Changes: Completely revised

14-DEC-2017

United States **Bristol/Johnson/Kingsport** Tri-Cities

Tri-Cities **Bristol/Johnson/Kingsport** United States

**TRI-KTRI**

**3-20**

**AGC**

**AGC**

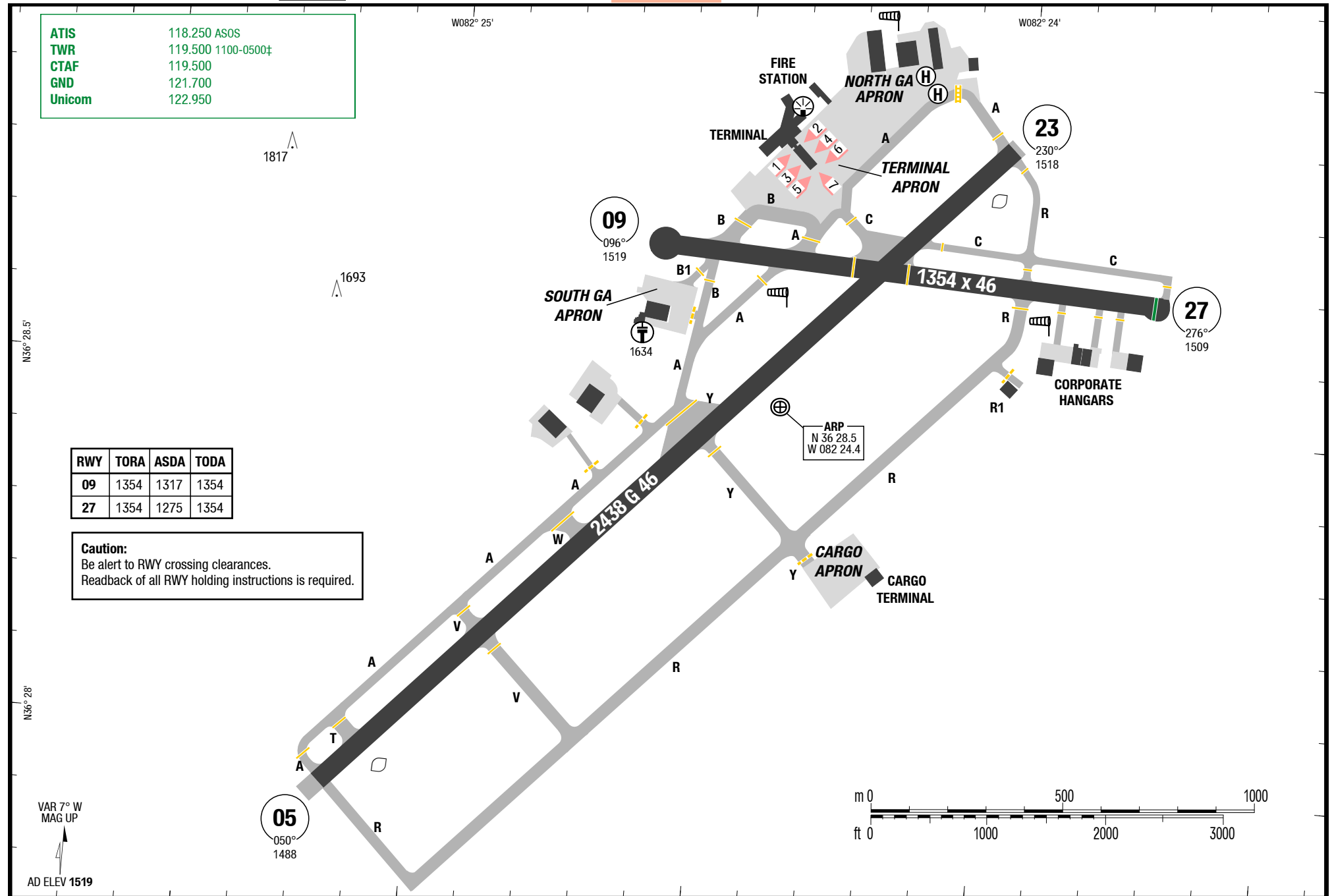
**AGC**

**AGC**

**ATIS** 118.250 ASOS  
**TWR** 119.500 1100-0500‡  
**CTAF** 119.500  
**GND** 121.700  
**Unicom** 122.950

RWY	TORA	ASDA	TODA
09	1354	1317	1354
27	1354	1275	1354

**Caution:**  
 Be alert to RWY crossing clearances.  
 Readback of all RWY holding instructions is required.



Changes: THR ELEV

14-DEC-2017

TRI-KTRI

United States Bristol/Johnson/Kingsport Tri-Cities

TRICITIES 3 (TRI 3)

KINGS 1

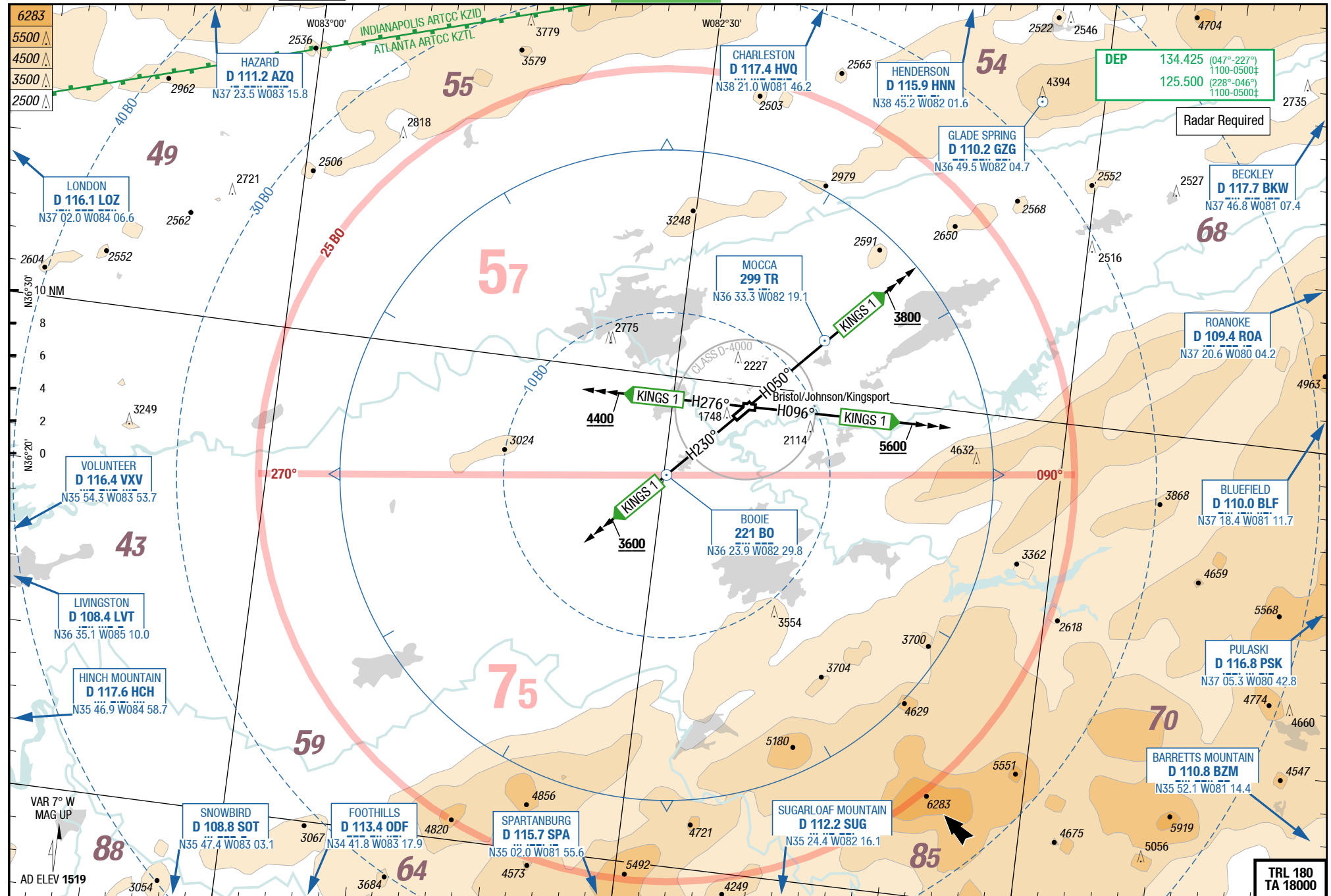
SID

SID

Tri-Cities Bristol/Johnson/Kingsport United States

TRICITIES 3 (TRI 3)

KINGS 1



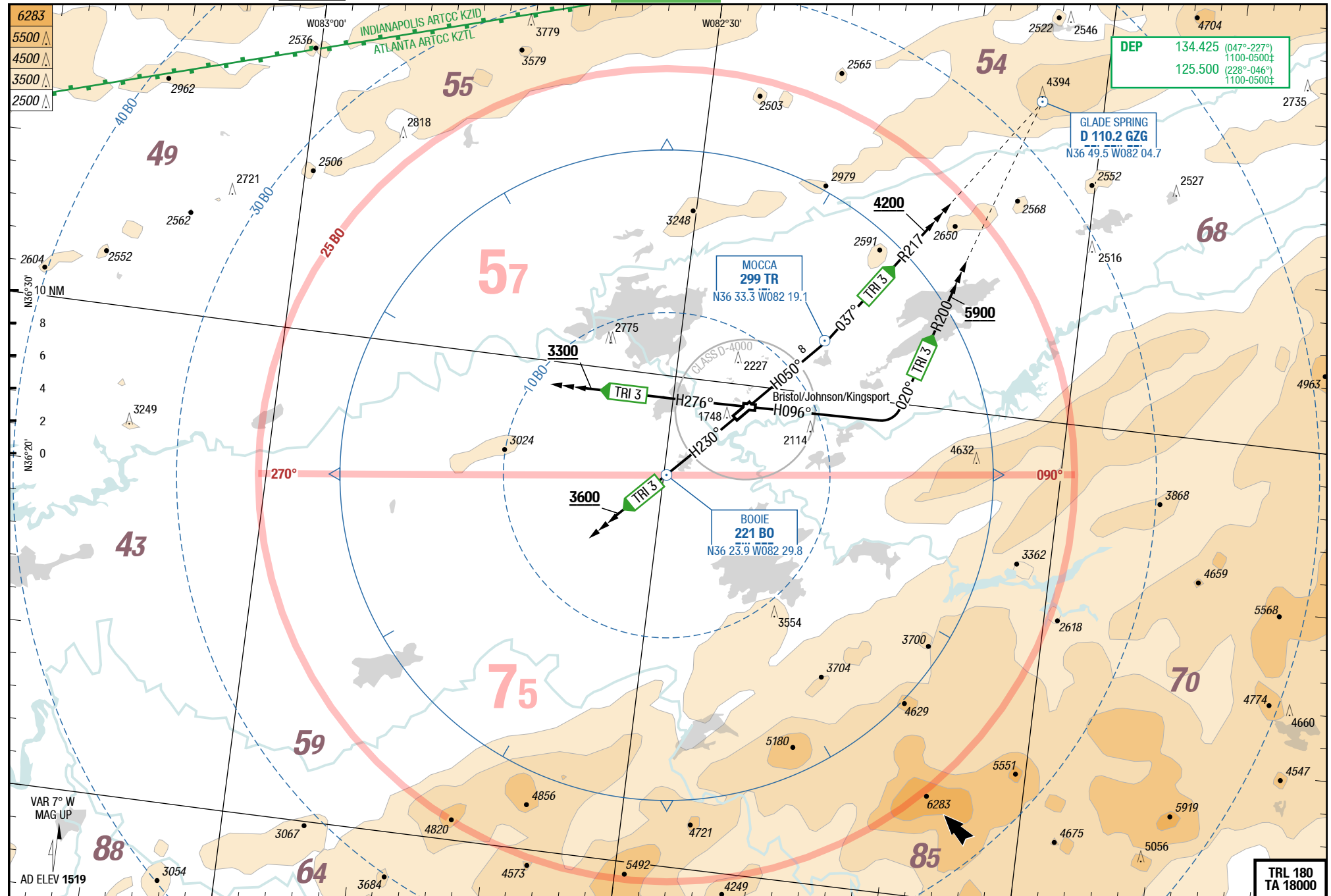
Changes: new

# TRI-KTRI

SID

SID

### TRICITIES 3 (TRI 3)



Changes: new

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**KINGS 1**

RWYs 05 (050°) / 09 (096°) / 23 (230°) / 27 (276°)

DESIGNATOR	ROUTING	ALTITUDES
<b>KINGS 1</b> <b>134.425</b> ①②		
<b>RWY 05</b>	HDG 050° or assigned to MNM <b>3800</b> - expect vectors	
<b>RWY 09</b>	HDG 096° or assigned to MNM <b>5600</b> - expect vectors	
<b>RWY 23</b>	HDG 230° or assigned to MNM <b>3600</b> - expect vectors	
<b>RWY 27</b>	HDG 276° or assigned to MNM <b>4400</b> - expect vectors	

① Expect to filed route 10 minutes after departure.  
② Maintain 10000 or lower requested altitude.

<b>TRICITIES 3</b> RWYs 05 (050°) / 09 (096°) / 23 (230°) / 27 (276°)		
DESIGNATOR	ROUTING	ALTITUDES
<b>TRICITIES 3</b> <b>TRI 3</b> <b>134.425</b>		
<b>RWY 05</b>	HDG 050° - intercept R217 <b>GZG</b> inbound to MNM <b>4200</b> - expect vectors	
<b>RWY 09</b>	HDG 096° - intercept R200 <b>GZG</b> inbound to MNM <b>5900</b> - expect vectors	
<b>RWY 23</b>	HDG 230° to MNM <b>3600</b> - expect vectors	
<b>RWY 27</b>	HDG 276° to MNM <b>3300</b> - expect vectors	



<b>Obstacle Departure</b>	
<b>RWY</b>	<b>Notes</b>
<b>05</b>	<p>T-L twr 678ft from DER, 644ft left of centerline, 50ft AGL/1536ft MSL.</p> <p>Trees beginning 1590ft from DER, 858ft left of centerline, up to 1582ft MSL.</p> <p>Trees beginning 2338ft from DER, 871ft left of centerline, up to 1590ft MSL.</p> <p>Trees beginning 3175ft from DER, 951ft left of centerline, up to 1619ft MSL.</p> <p>Trees beginning 3584ft from DER, 1038ft left of centerline, up to 1626ft MSL.</p> <p>Trees beginning 3768ft from DER, 819ft left of centerline, up to 1736ft MSL.</p> <p>Trees beginning 1.4 NM from DER, 514ft left of centerline, up to 1770ft MSL.</p>
<b>09</b>	<p>Trees and light pole beginning 67ft from DER, 152ft right of centerline, up to 1584ft MSL.</p> <p>Trees beginning 182ft from DER, 187ft right of centerline, up to 100ft AGL/1600ft MSL.</p> <p>Tree 1.2 NM from DER, 1941ft left of centerline, 1715ft MSL.</p>
<b>23</b>	<p>Trees beginning 3538ft from DER, 1309ft right of centerline, up to 1657ft MSL.</p> <p>Trees beginning 3865ft from DER, 440ft right of centerline, up to 1665ft MSL.</p> <p>Trees beginning 5655ft from DER, 353ft left of centerline, up to 1634ft MSL.</p> <p>Trees beginning 1 NM from DER, 26ft left of centerline, up to 1666ft MSL.</p> <p>Trees beginning 1.1 NM from DER, 69ft right of centerline, up to 1675ft MSL.</p>

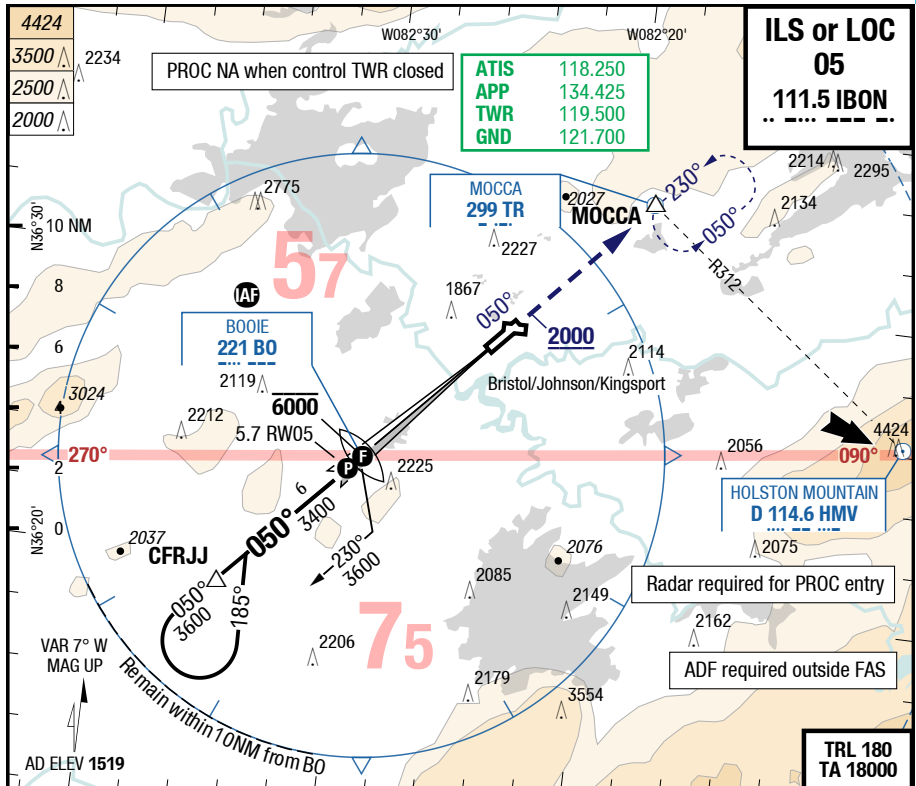
Obstacle Departure	
RWY	Notes
27	<p>Terrain, fences, poles, T-L twrs and tree beginning 43ft from DER, 90ft right of centerline, up to 1552ft MSL. Poles, tanks, light poles and T-L twr beginning 244ft from DER, 307ft left of centerline, up to 1538ft MSL. Trmsn twrs, trees and pole beginning 636ft from DER, 26ft left of centerline, up to 1561ft MSL. Bldgs beginning 993ft from DER, 162ft right of centerline, up to 1555ft MSL. Trees beginning 1157ft from DER, 59ft right of centerline, up to 1558ft MSL. Trees beginning 1271ft from DER, 121ft right of centerline, up to 1573ft MSL. Trees beginning 1449ft from DER, 18ft left of centerline, up to 1575ft MSL. Trees, poles and monuments beginning 1548ft from DER, 59ft right of centerline, up to 1577ft MSL. Trees beginning 1834ft from DER, 33ft right of centerline, up to 1582 MSL. Trees beginning 1882ft from DER, 555ft left of centerline, up to 1595ft MSL. Trees beginning 2043ft from DER, 106ft right of centerline, up to 1632ft MSL. Trees beginning 2185ft from DER, 357 left of centerline, up to 1604ft MSL. Poles, trees, T-L twrs and terrain beginning 2680ft from DER 5ft left of centerline, up to 40ft AGL/1649ft MSL. Trees, T-L twrs and terrain beginning 3088ft from DER, 62ft right of centerline, up to 1645ft MSL. Terrain and T-L twr beginning 4150ft from DER, 24ft right of centerline, up to 1663ft MSL. Terrain and bush beginning 4151ft from DER, 5ft left of centerline, up to 1662ft MSL. Terrain, trees and T-L twr beginning 4348ft from DER, 59ft right of centerline, up to 1729ft MSL. Terrain, tree, bush beginning 4349ft from DER, 6ft left of centerline, up to 1679ft MSL. Bush 4496ft from DER, 202ft left of centerline, 1681ft MSL. Trees, terrain, bushes and pole beginning 4506ft from DER, 7ft left of centerline, up to 1726ft MSL. Pole and tree beginning 4664ft from DER, 10ft left of centerline, up to 39ft AGL/1735ft MSL. Trees, terrain, pole beginning 4714ft from DER, 374ft left of centerline, up to 1738ft MSL. Trees beginning 4725ft from DER, 53ft right of centerline, up to 1736ft MSL. Trees beginning 4803ft from DER, 127ft left of centerline, up to 1771ft MSL. Trees beginning 4815ft from DER, 87ft left of centerline, up to 1782 MSL. Trees beginning 1.5 NM from DER, 1789ft right of centerline, up to 1778ft MSL. Trees beginning 1.5 NM from DER, 1377ft right of centerline, up to 1795ft MSL. Trees beginning 1.5 NM from DER, 1435ft right of centerline, up to 1804ft MSL. Trees beginning 1.5 NM from DER, 1692 right of centerline, up to 1806ft MSL. Trees beginning 1.6 NM from DER, 1335ft right of centerline up to 1822ft MSL. Trees beginning 1.6 NM from DER, 1484ft right of centerline, up to 1823ft MSL. Trees beginning 1.6 NM from DER, 964ft right of centerline, up to 1828ft MSL. Trees beginning 1.6 NM from DER, 785ft right of centerline, up to 1838ft MSL. Trees beginning 1.7 NM from DER 588ft right of centerline, up to 1863ft MSL. Trees beginning 1.7 NM from DER, 78ft right of centerline, up to 1867ft MSL. Trees beginning 1.8 NM from DER, 53ft left of centerline, up to 1836ft MSL. Tree 2 NM from DER, 1018ft left of centerline, 1838ft MSL.</p>

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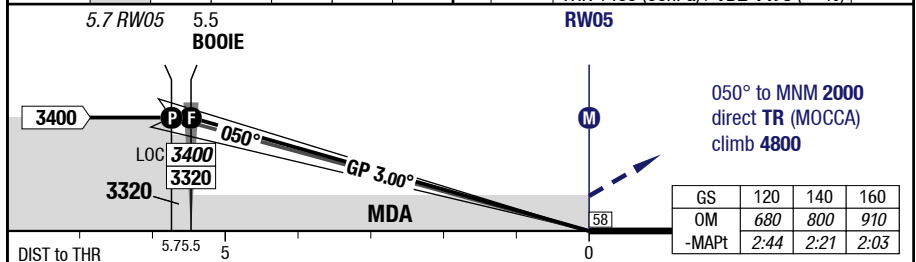
TRI-KTRI

7-10

ILS or LOC 05



LOC 3.21° RW05		5.5	5	4	3	2	05	<div><div><div>83.0°</div><div>2438 G 46</div></div><div><div>60 HL</div><div>15 HL</div></div></div>
		3400	3250	2900	2560	2220		



05	Cat 1	Cat 1 OA9 QNH 1)	LOC	LOC OA9 QNH 1)	Circling 2) 3) TERPS	Circling 1) 2) 3) TERPS
C	ft - ft/SM ft	200 - 4000R/0.75V 1700	250 - 4500R/0.88V 1740	610 - 1.75V 2100	670 - 2.0V 2160	790 - 2.25V 2300 850 - 2.5V 2360
D	ft - ft/SM ft	200 - 4000R/0.75V 1700	250 - 4500R/0.88V 1740	610 - 1.75V 2100	670 - 2.0V 2160	990 - 3.0V 2500 1050 - 3.0V 2560

1) Use with Elizabethton (KOA9) QNH

2) SE of RWY 09 and 23 only

3) To RWY 09/27 HJ only

Changes: new

AMDT 3C

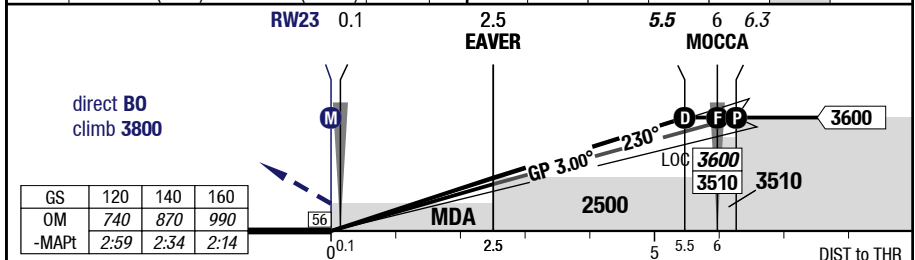
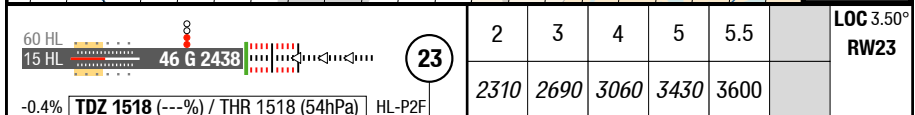
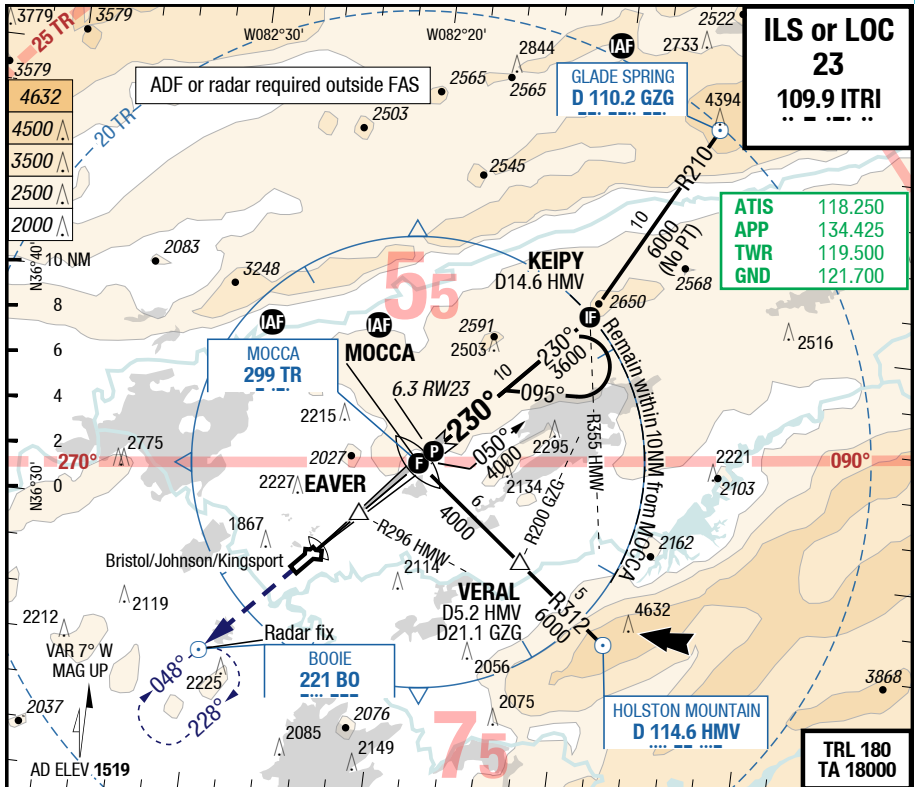
14-DEC-2017

TRI-KTRI

7-20

ILS or LOC 23

IAC



TERPS	23	Cat 2	Cat 1	Cat 1	LOC	LOC	Circling <sup>3)</sup>
		1) 2)	2)	when TWR CLSD 2)	when TWR CLSD		TERPS
C	ft - ft/SM ft	100 - 1200R 139 RA	200 - 1800R/0.5V 1720	200 - 4000R/0.75V 1720	510 - 5500R/1.0V 2020	510 - 1.5V 2020	830 - 2.5V 2340
D	ft - ft/SM ft	100 - 1200R 139 RA	200 - 1800R/0.5V 1720	200 - 4000R/0.75V 1720	510 - 5500R/1.0V 2020	510 - 1.5V 2020	990 - 3.0V 2500

1) NA when TWR closed  
2) ILS unusable inside THR

3) SE of RWY 09 and 23 only

Changes: new

AMDT 24G

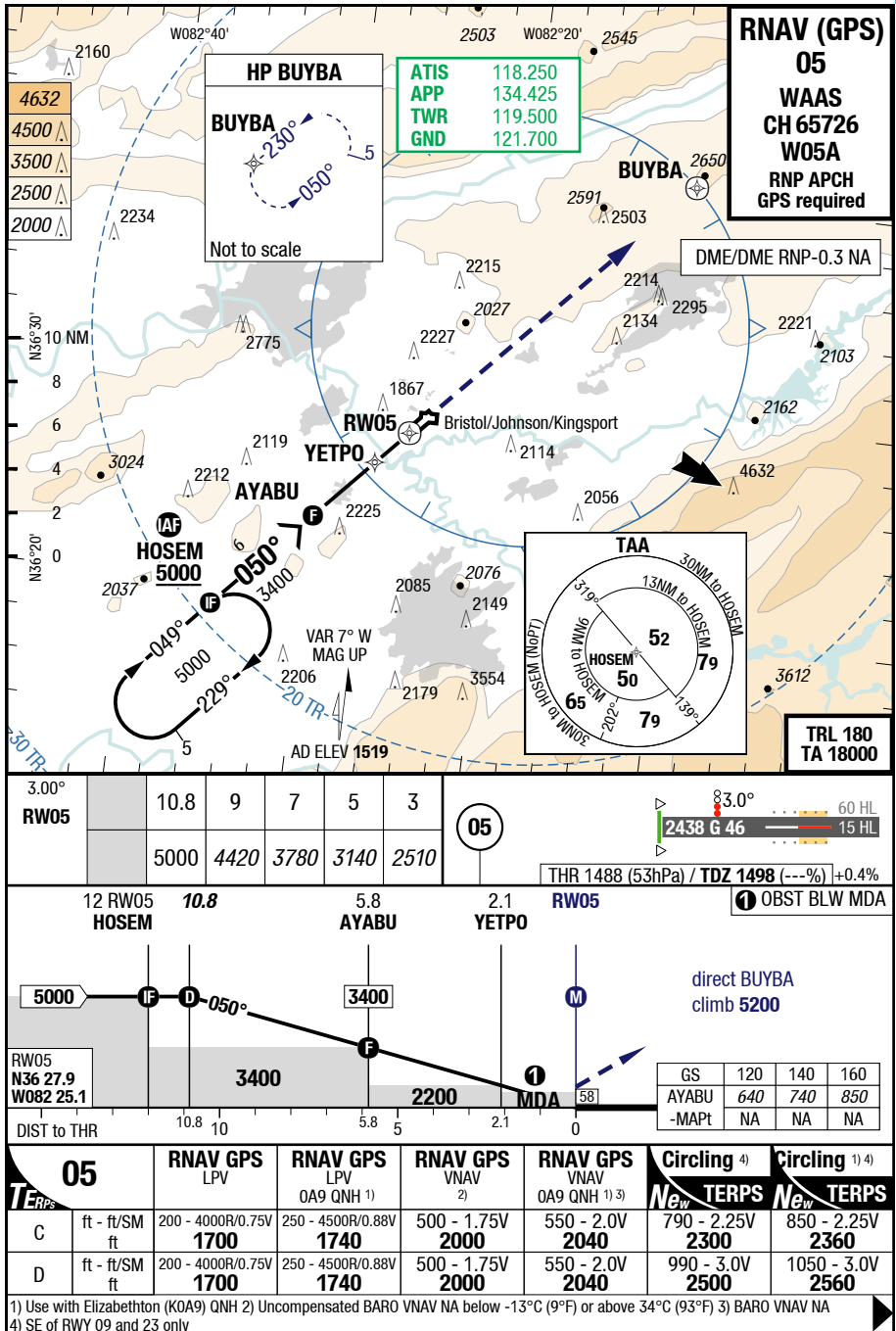
14-DEC-2017

TRI-KTRI

7-30

RNAV (GPS) 05

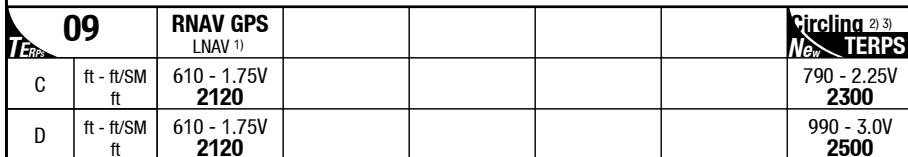
IAC



Changes: new

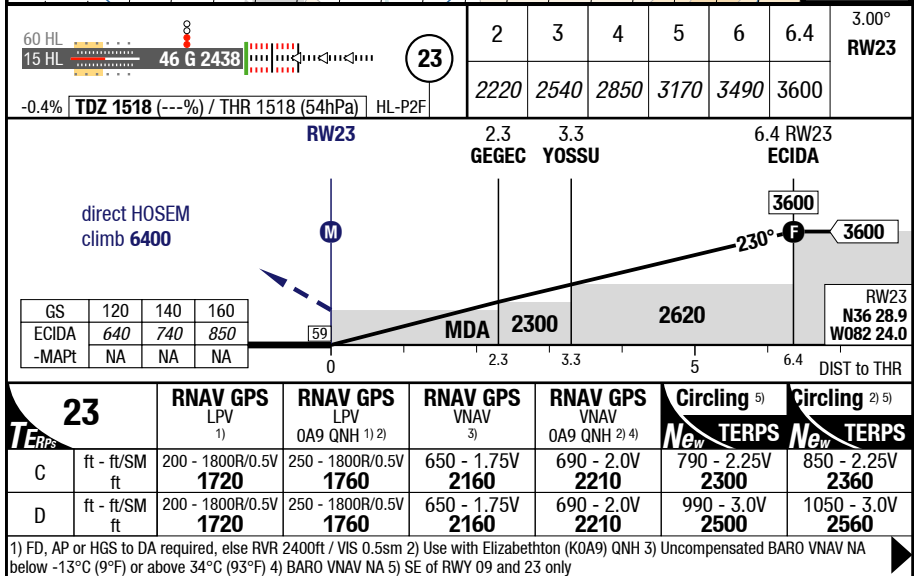
AMDT 1C

## RNAV (GPS) 09



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## RNAV (GPS) 23

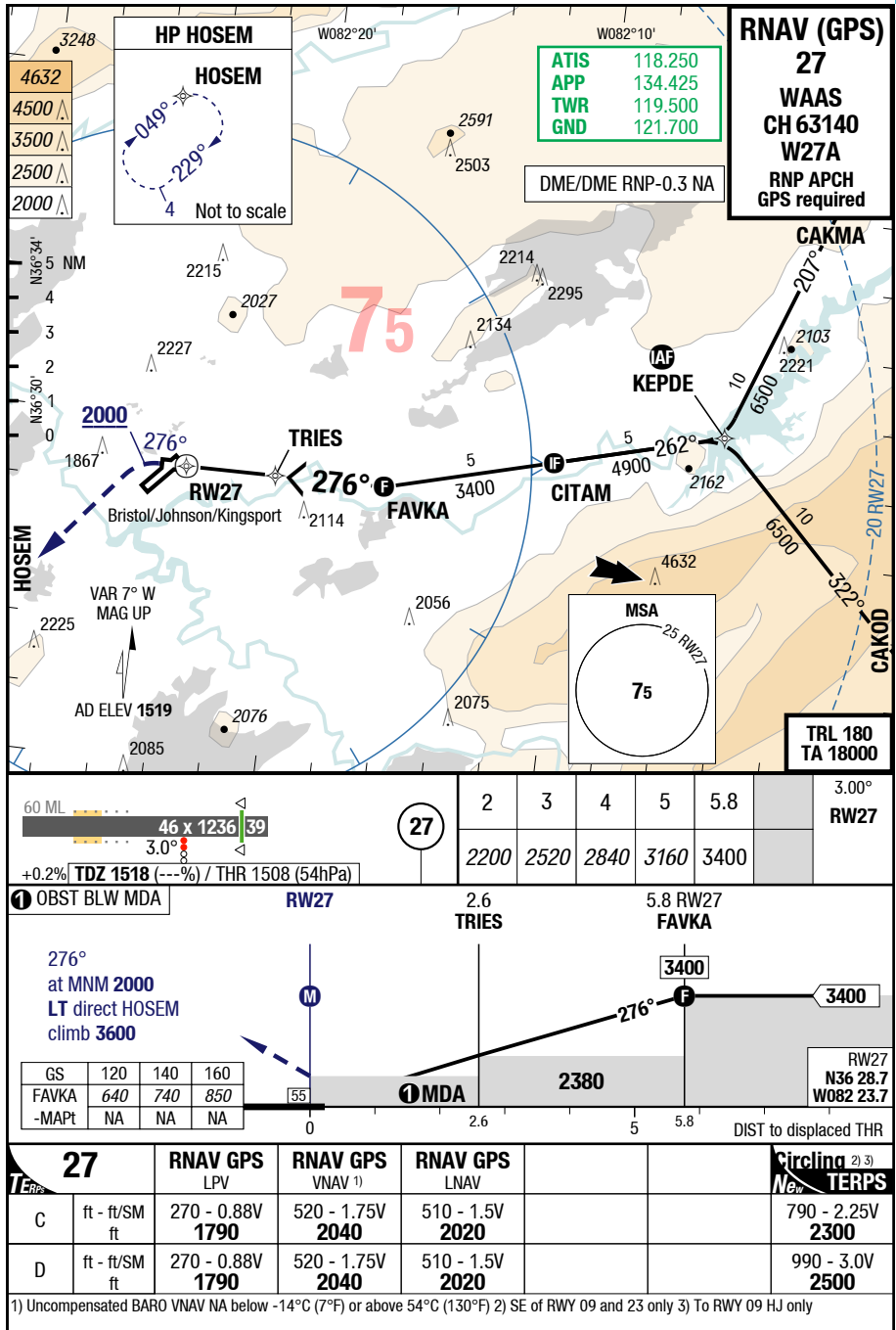


14-DEC-2017

TRI-KTRI

7-60

RNAV (GPS) 27



Changes: new

AMDT 1A



14-DEC-2017

TRI-KTRI

7-70

WxMinima Overflow

<b>TERPS</b>	<b>05</b>	<b>RNAV GPS</b> LNAV	<b>RNAV GPS</b> LNAV 0A9 QNH <sup>1)</sup>				
	C	ft - ft/SM ft	590 - 1.75V <b>2080</b>	650 - 2.0V <b>2140</b>			
	D	ft - ft/SM ft	590 - 1.75V <b>2080</b>	650 - 2.0V <b>2140</b>			
1) Use with Elizabethton (K0A9) QNH							
<b>TERPS</b>	<b>23</b>	<b>LOC</b> wo EAVR	<b>LOC</b> wo EAVR when TWR CLSD				<b>Circling</b> <sup>1) 2)</sup>
	C	ft - ft/SM ft	990 - 2.5V <b>2500</b>	990 - 3.0V <b>2500</b>			<b>New TERPS</b> 990 - 3.0V <b>2500</b>
	D	ft - ft/SM ft	990 - 2.5V <b>2500</b>	990 - 3.0V <b>2500</b>			990 - 3.0V <b>2500</b>
1) SE of RWY 09 and 23 only							
2) wo EAVR							
<b>TERPS</b>	<b>23</b>	<b>RNAV GPS</b> LNAV	<b>RNAV GPS</b> LNAV 0A9 QNH <sup>1)</sup>				
	C	ft - ft/SM ft	570 - 1.25V <b>2080</b>	630 - 1.38V <b>2140</b>			
	D	ft - ft/SM ft	570 - 1.25V <b>2080</b>	630 - 1.38V <b>2140</b>			
1) Use with Elizabethton (K0A9) QNH							

Changes: new