

**GENERAL****Operational Hours****ATS Hours / AD ADMIN Hours:** HO**Airport Information****RFF:** CAT 6**PCM:** RWY 14/32: 27/F/B/X/U**Warnings**

Birds in vicinity of AD.

**ARRIVAL****Warnings**

PAPI RWY 14: To be used within 5° either side of extended RWY centerline.

**DEPARTURE****Take-off Minima**

RWY		14/32	
All ACFT	ft - m/km	0 - 400R/400V	HJ only
		0 - 800R/800V	HN

**De-Icing**

AVBL HO

8652  
6500 ▲  
4500 ▲  
3500 ▲  
2500 ▲

6722  
5032  
4524  
4071  
3730  
6991  
5725  
8106  
E020°30' N40°00'

10 NM

102

134.325  
118.600 HO FL150/40NM  
132.200 HO FL40/25NM

## Landing RWY system:

THR 1550 (55hPa) / TDZ 1550 (-0.1%) / THR 1557 (55hPa)

60 ML 3.0° 60 ML

45 x 45 3.0° 120

2402 x 45

-0.1% TDZ 1557 (-0.1%) + 0.1%

32

N40°00'

10 NM

102

VJOSA

TUMBO

DIMS

TRAMBO

DIMIS

TUMBO

107

KAS

94

101

102

108

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**Effective 13-SEP-2018**

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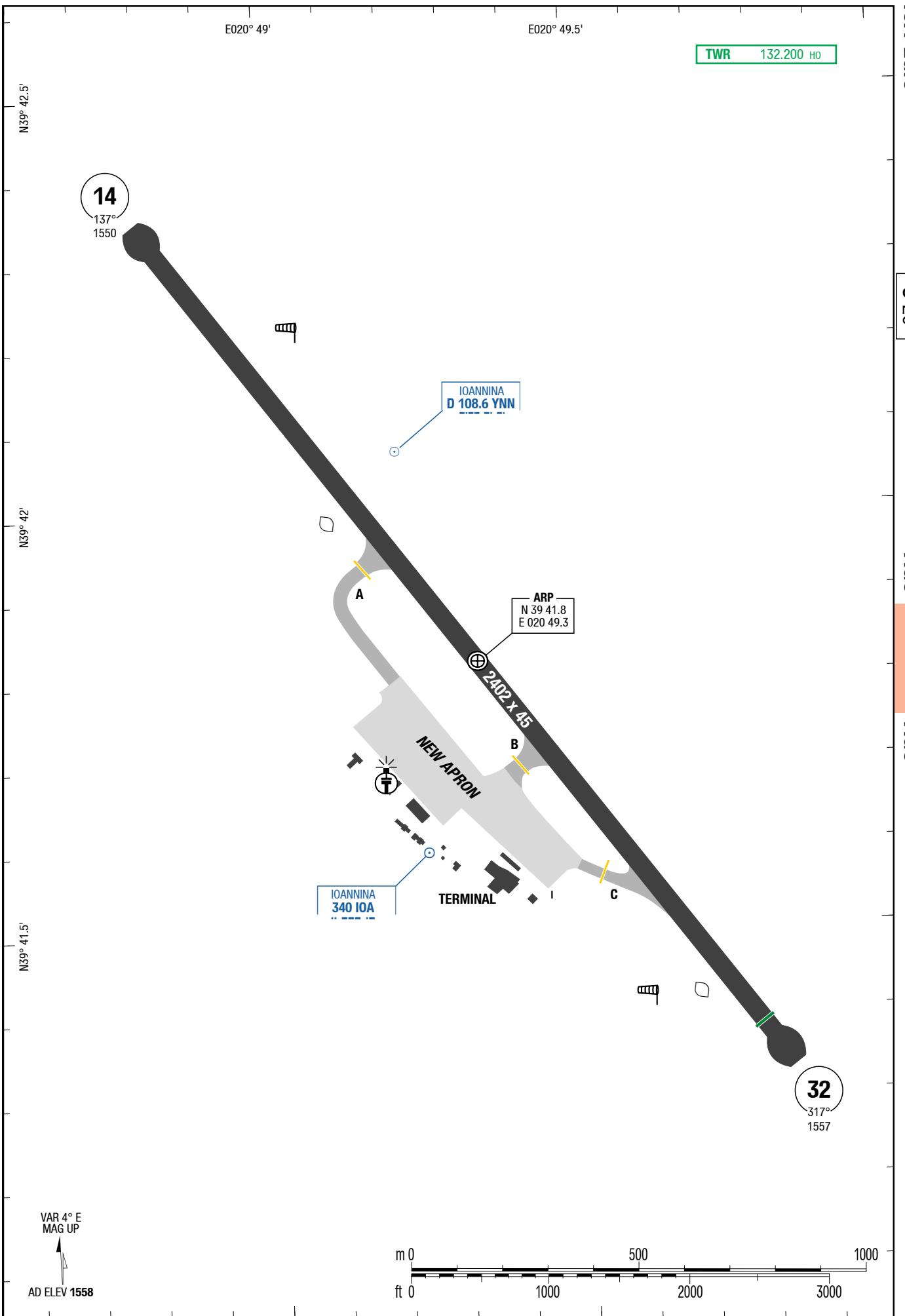
IOA-LG10

5

Greece Ioannina King Pyrros

AGC

King Pyrrhos Ioannina Greece



Effective 19-JUL-2018

12-JUL-2018

IOA-LGIO

Greece Ioannina King Pyrros

SIDs RWY 32

4-10

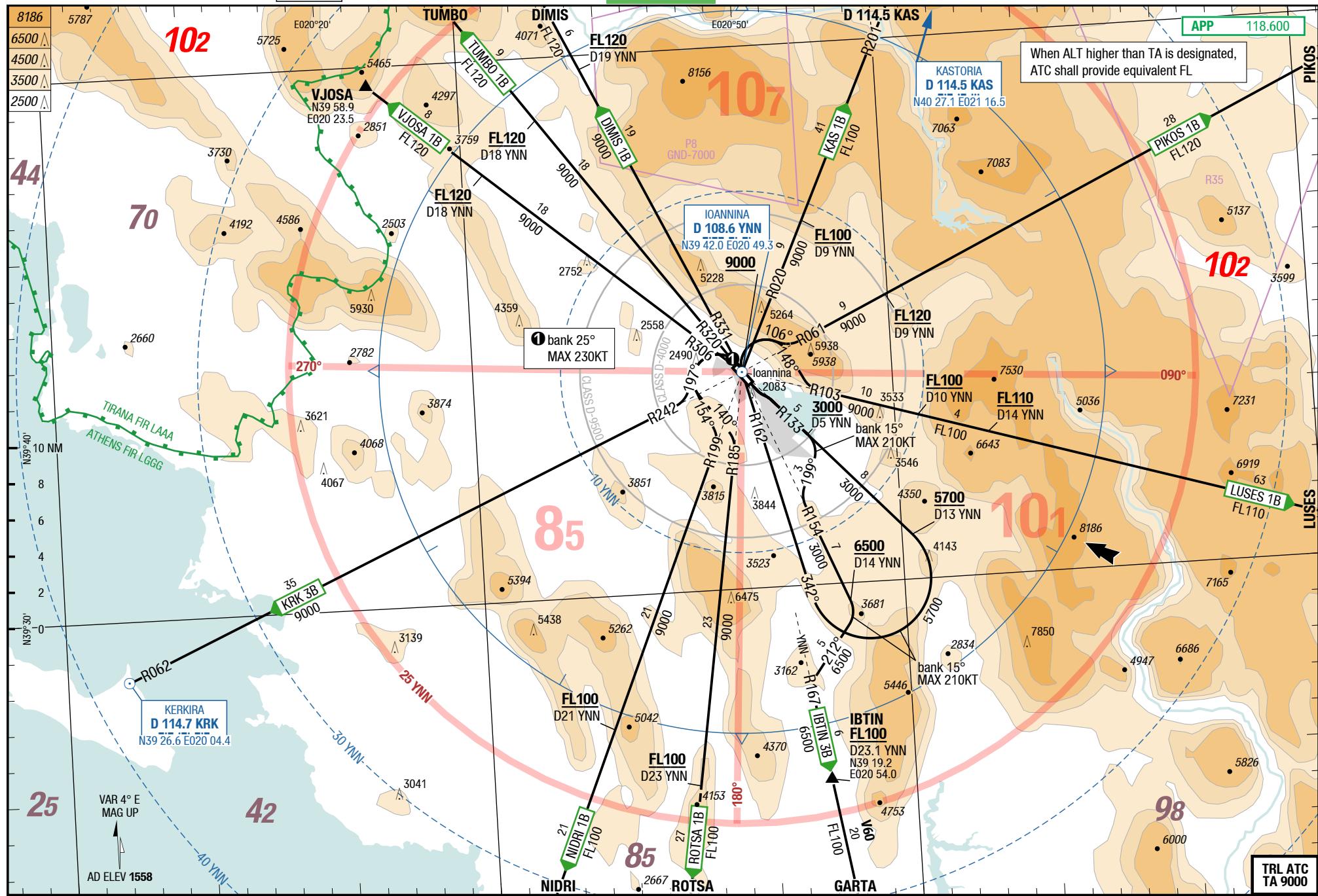
SIDs RWY 14

SID

SID

King Pyrros Ioannina Greece

SIDs RWY 14



Changes: PROC, Track, WPT IBTIN, MGA, DIST, OBST, MEA

Effective 19-JUL-2018

12-JUL-2018

IOA-LGIO

Greece Ioannina King Pyrros

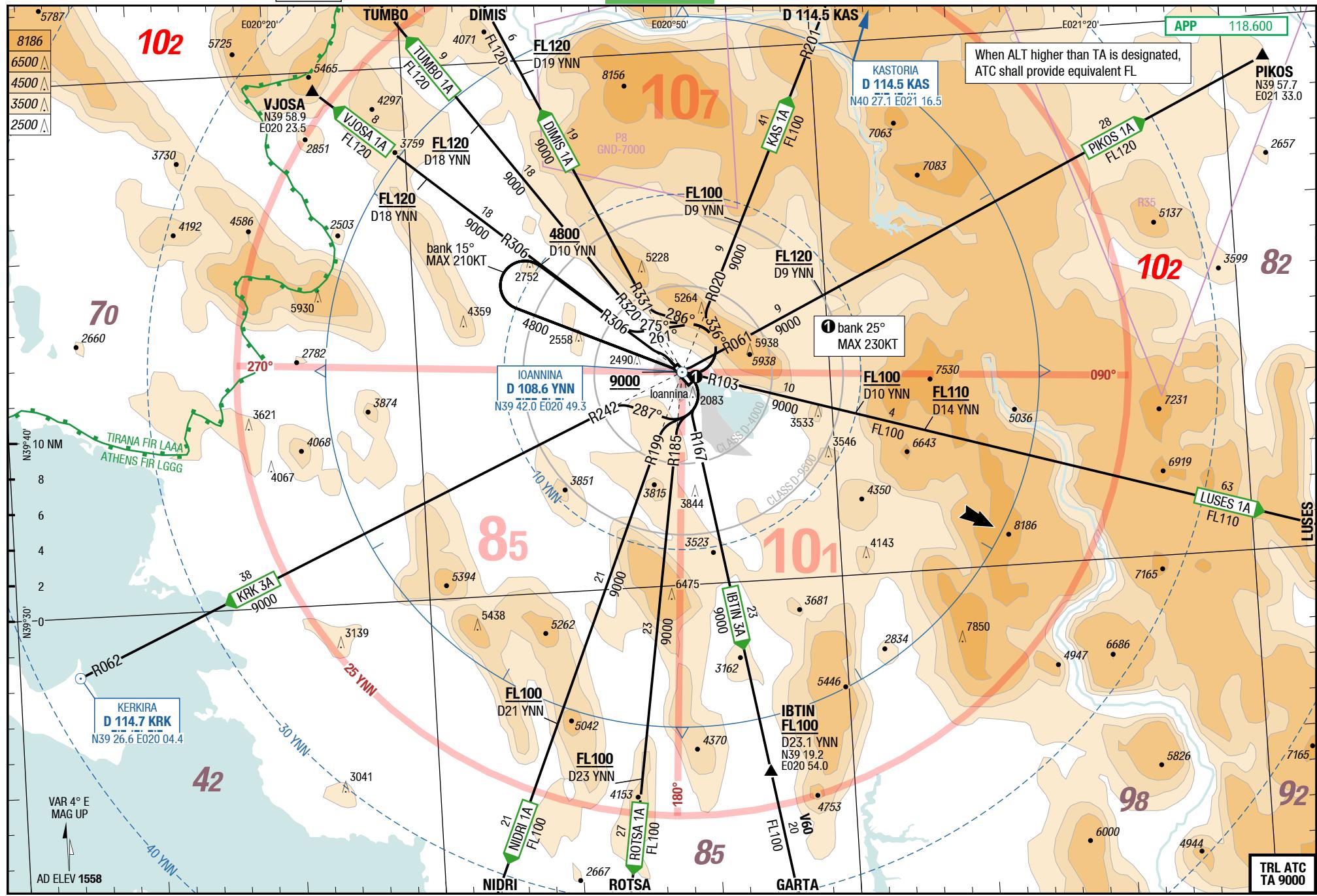
4-20

SIDs RWY 32

SID

King Pyrros Ioannina Greece

SIDs RWY 32



**IOA-LGIO****5-10****SIDs RWY 14****DIMIS 1B / IBTIN 3B / KASTORIA 1B / KERKIRA 3B / LUSES 1B**

RWY 14 (137°)

	GS	120	150	180	210	240	270
4.1%	ft/MIN	500	700	800	900	1000	1200
5.6%	ft/MIN	700	900	1100	1200	1400	1600

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 14</b>	
<b>DIMIS 1B</b> 5.6% to 9000 <b>118.600</b> ①②	intercept R133 <b>YNN</b> - at D13 <b>YNN RT</b> (bank 15°, MAX 210KT) direct <b>YNN - LT</b> (bank 25°, MAX 230KT) R331 <b>YNN</b> to DIMIS - join AWY L604	R133/D5 <b>YNN MNM 3000</b> R133/D13 <b>YNN MNM 5700</b> <b>YNN MNM 9000</b> R331/D19 <b>YNN MNM FL120</b>
<b>IBTIN 3B</b> 5.6% to 10000 <b>118.600</b> ①②	intercept R133 <b>YNN</b> - at D5 <b>YNN RT</b> (bank 15°, MAX 210KT) 199° - intercept R154 <b>YNN</b> - at D14 <b>YNN RT</b> (bank 15°, MAX 210KT) 212° - intercept R167 <b>YNN</b> to IBTIN - join AWY V60	R133/D5 <b>YNN MNM 3000</b> R154/D14 <b>YNN MNM 6500</b> IBTIN MNM <b>FL100</b>
<b>KASTORIA 1B</b> <b>KAS 1B</b> 5.6% to 9000 <b>118.600</b> ①②	intercept R133 <b>YNN</b> - at D13 <b>YNN RT</b> (bank 15°, MAX 210KT) direct <b>YNN - RT</b> (bank 25°, MAX 230KT) R020 <b>YNN</b> to <b>KAS</b> - join AWY N731	R133/D5 <b>YNN MNM 3000</b> R133/D13 <b>YNN MNM 5700</b> <b>YNN MNM 9000</b> R020/D9 <b>YNN MNM FL100</b>
<b>KERKIRA 3B</b> <b>KRK 3B</b> 5.6% to 9000 <b>118.600</b> ①②	intercept R133 <b>YNN</b> - at D13 <b>YNN RT</b> (bank 15°, MAX 210KT) direct <b>YNN - LT</b> (bank 25°, MAX 230KT) 197° - intercept R242 <b>YNN</b> to <b>KRK</b> - join AWY G12	R133/D5 <b>YNN MNM 3000</b> R133/D13 <b>YNN MNM 5700</b> <b>YNN MNM 9000</b>
<b>LUSES 1B</b> 5.6% to FL100 4.1% to FL110 <b>118.600</b> ①②	intercept R133 <b>YNN</b> - at D13 <b>YNN RT</b> (bank 15°, MAX 210KT) direct <b>YNN - RT</b> (bank 25°, MAX 230KT) 148° - intercept R103 <b>YNN</b> to LUSES - join AWY V651	R133/D5 <b>YNN MNM 3000</b> R133/D13 <b>YNN MNM 5700</b> <b>YNN MNM 9000</b> R103/D10 <b>YNN MNM FL100</b> R103/D14 <b>YNN MNM FL110</b>

① Visual climb to 700ft AGL/2300ft MSL due to obstacle (160°/0.74NM from DER RWY14, 2083ft), then follow climb gradient.

② When ALT higher than TA is designated, ATC shall provide equivalent FL.

IOA-LGIO

5-20

SIDs RWY 14

SIDPT

**NIDRI 1B / PIKOS 1B / ROTSA 1B / TUMBO 1B / VJOSA 1B**

RWY 14 (137°)

	GS	120	150	180	210	240	270
5.6%	ft/MIN	700	900	1100	1200	1400	1600

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 14</b>	
<b>NIDRI 1B</b> 5.6% to 9000 <b>118.600</b> ①②	intercept R133 <b>YNN</b> - at D13 <b>YNN RT</b> (bank 15°, MAX 210KT) direct <b>YNN - LT</b> (bank 25°, MAX 230KT) 154° - intercept R199 <b>YNN</b> to NIDRI - join AWY T352	R133/D5 <b>YNN MNM 3000</b> R133/D13 <b>YNN MNM 5700</b> <b>YNN MNM 9000</b> R199/D21 <b>YNN MNM FL100</b>
<b>PIKOS 1B</b> 5.6% to 9000 <b>118.600</b> ①②	intercept R133 <b>YNN</b> - at D13 <b>YNN RT</b> (bank 15°, MAX 210KT) direct <b>YNN - RT</b> (bank 25°, MAX 230KT) 106° - intercept R061 <b>YNN</b> to PIKOS - join AWY G12/M600	R133/D5 <b>YNN MNM 3000</b> R133/D13 <b>YNN MNM 5700</b> <b>YNN MNM 9000</b> R061/D9 <b>YNN MNM FL120</b>
<b>ROTKA 1B</b> 5.6% to 9000 <b>118.600</b> ①②	intercept R133 <b>YNN</b> - at D13 <b>YNN RT</b> (bank 15°, MAX 210KT) direct <b>YNN - LT</b> (bank 25°, MAX 230KT) 140° - intercept R185 <b>YNN</b> to ROTSA - join AWY N731	R133/D5 <b>YNN MNM 3000</b> R133/D13 <b>YNN MNM 5700</b> <b>YNN MNM 9000</b> R185/D23 <b>YNN MNM FL100</b>
<b>TUMBO 1B</b> 5.6% to 9000 <b>118.600</b> ①②	intercept R133 <b>YNN</b> - at D13 <b>YNN RT</b> (bank 15°, MAX 210KT) direct <b>YNN - LT</b> (bank 25°, MAX 230KT) R320 <b>YNN</b> to TUMBO - join AWY L611	R133/D5 <b>YNN MNM 3000</b> R133/D13 <b>YNN MNM 5700</b> <b>YNN MNM 9000</b> R320/D18 <b>YNN MNM FL120</b>
<b>VJOSA 1B</b> 5.6% to 9000 <b>118.600</b> ①②	intercept R133 <b>YNN</b> - at D13 <b>YNN RT</b> (bank 15°, MAX 210KT) direct <b>YNN - LT</b> (bank 25°, MAX 230KT) R306 <b>YNN</b> to VJOSA - join AWY L613	R133/D5 <b>YNN MNM 3000</b> R133/D13 <b>YNN MNM 5700</b> <b>YNN MNM 9000</b> R306/D18 <b>YNN MNM FL120</b>

① Visual climb to 700ft AGL/2300ft MSL due to obstacle (160°/0.74NM from DER RWY14, 2083ft), then follow climb gradient.

② When ALT higher than TA is designated, ATC shall provide equivalent FL.

IOA-LGIO

5-30

SIDs RWY 32

SIDPT

DIMIS 1A / IBTIN 3A / KASTORIA 1A / KERKIRA 3A / LUSES 1A / NIDRI 1A

RWY 32 (317°)

	GS	120	150	180	210	240	270
4.1%	ft/MIN	500	700	800	900	1000	1200
5.6%	ft/MIN	700	900	1100	1200	1400	1600

DESIGNATOR	ROUTING	ALTITUDES
	Runway 32	
<b>DIMIS 1A</b> 5.6% to 9000 <b>118.600</b> ①②	intercept R306 <b>YNN</b> - at D10 <b>YNN LT</b> (bank 15°, MAX 210KT) direct <b>YNN - LT</b> (bank 25°, MAX 230KT) 286° - intercept R331 <b>YNN</b> to DIMIS - join AWY L604	R306/D10 <b>YNN MNM 4800</b> <b>YNN MNM 9000</b> R331/D19 <b>YNN MNM FL120</b>
<b>IBTIN 3A</b> 5.6% <b>118.600</b> ①②	intercept R306 <b>YNN</b> - at D10 <b>YNN LT</b> (bank 15°, MAX 210KT) direct <b>YNN - RT</b> (bank 25°, MAX 230KT) 212° - intercept R167 <b>YNN</b> to IBTIN - join AWY V60	R306/D10 <b>YNN MNM 4800</b> <b>YNN MNM 9000</b> IBTIN MNM <b>FL100</b>
<b>KASTORIA 1A</b> <b>KAS 1A</b> 5.6% to 9000 <b>118.600</b> ①②	intercept R306 <b>YNN</b> - at D10 <b>YNN LT</b> (bank 15°, MAX 210KT) direct <b>YNN - LT</b> (bank 25°, MAX 230KT) 336° - intercept R020 <b>YNN</b> to <b>KAS</b> - join AWY N731	R306/D10 <b>YNN MNM 4800</b> <b>YNN MNM 9000</b> R020/D9 <b>YNN MNM FL100</b>
<b>KERKIRA 3A</b> <b>KRK 3A</b> 5.6% to 9000 <b>118.600</b> ①②	intercept R306 <b>YNN</b> - at D10 <b>YNN LT</b> (bank 15°, MAX 210KT) direct <b>YNN - RT</b> (bank 25°, MAX 230KT) 287° - intercept R242 <b>YNN</b> to <b>KRK</b> - join AWY G12	R306/D10 <b>YNN MNM 4800</b> <b>YNN MNM 9000</b>
<b>LUSES 1A</b> 5.6% to FL100 4.1% to FL110 <b>118.600</b> ①②	intercept R306 <b>YNN</b> - at D10 <b>YNN LT</b> (bank 15°, MAX 210KT) direct <b>YNN</b> - (bank 25°, MAX 230KT) R103 <b>YNN</b> to LUSES - join AWY V651	R306/D10 <b>YNN MNM 4800</b> <b>YNN MNM 9000</b> R103/D10 <b>YNN MNM FL100</b> R103/D14 <b>YNN MNM FL110</b>
<b>NIDRI 1A</b> 5.6% to 9000 <b>118.600</b> ①②	intercept R306 <b>YNN</b> - at D10 <b>YNN LT</b> (bank 15°, MAX 210KT) direct <b>YNN - RT</b> (bank 25°, MAX 230KT) 244° - intercept R199 <b>YNN</b> to <b>NIDRI</b> - join AWY T352	R306/D10 <b>YNN MNM 4800</b> <b>YNN MNM 9000</b> R199/D21 <b>YNN MNM FL100</b>

① Visual climb to 950ft AGL/2500ft MSL due to obstacles (291°/1.96NM from DER RWY32, 2125ft; 301°/2.5NM from DER RWY32, 2040ft; 291°/2.9NM from DER RWY32, 2306ft), then follow climb gradient.

② When ALT higher than TA is designated, ATC shall provide equivalent FL.

**IOA-LGIO****5-40****SIDs RWY 32****PIKOS 1A / ROTSA 1A / TUMBO 1A / VJOSA 1A**

RWY 32 (317°)

	GS	120	150	180	210	240	270
5.6%	ft/MIN	700	900	1100	1200	1400	1600

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 32</b>	
<b>PIKOS 1A</b> 5.6% to 9000 <b>118.600</b> ①②	intercept R306 <b>YNN</b> - at D10 <b>YNN LT</b> (bank 15°, MAX 210KT) direct <b>YNN - LT</b> (bank 25°, MAX 230KT) R061 <b>YNN</b> to PIKOS - join AWY G12/M600	R306/D10 <b>YNN MNM 4800</b> <b>YNN MNM 9000</b> R061/D9 <b>YNN MNM FL120</b>
<b>ROTS A 1A</b> 5.6% to 9000 <b>118.600</b> ①②	intercept R306 <b>YNN</b> - at D10 <b>YNN LT</b> (bank 15°, MAX 210KT) direct <b>YNN - RT</b> (bank 25°, MAX 230KT) 230° - intercept R185 <b>YNN</b> to ROTSA - join AWY N731	R306/D10 <b>YNN MNM 4800</b> <b>YNN MNM 9000</b> R185/D23 <b>YNN MNM FL100</b>
<b>TUMBO 1A</b> 5.6% to 9000 <b>118.600</b> ①②	intercept R306 <b>YNN</b> - at D10 <b>YNN LT</b> (bank 15°, MAX 210KT) direct <b>YNN - LT</b> (bank 25°, MAX 230KT) 275° - intercept R320 <b>YNN</b> to TUMBO - join AWY L611	R306/D10 <b>YNN MNM 4800</b> <b>YNN MNM 9000</b> R320/D18 <b>YNN MNM FL120</b>
<b>VJOSA 1A</b> 5.6% to 9000 <b>118.600</b> ①②	intercept R306 <b>YNN</b> - at D10 <b>YNN LT</b> (bank 15°, MAX 210KT) direct <b>YNN - LT</b> (bank 25°, MAX 230KT) 261° - intercept R306 <b>YNN</b> to VJOSA - join AWY L613	R306/D10 <b>YNN MNM 4800</b> <b>YNN MNM 9000</b> R306/D18 <b>YNN MNM FL120</b>

① Visual climb to 950ft AGL/2500ft MSL due to obstacles (291°/1.96NM from DER RWY32, 2125ft; 301°/2.5NM from DER RWY32, 2040ft; 291°/2.9NM from DER RWY32, 2306ft), then follow climb gradient.

② When ALT higher than TA is designated, ATC shall provide equivalent FL.

**Effective 19-JUL-2018**

12-JUL-2018

IOA-LG10

Greece Ioannina King Pyrros

King Pyrros Ioannina Greece

**STARS**

S  
STAR

6-10

D 114.7 KRK N39°30' R 40 YD

VAR 4° E  
MAG UP

Changes: MGA, Track, MTCA, PROC, OBST, Note, MEA

APP 118.600

**TRL ATC  
TA 9000**

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Effective 13-SEP-2018

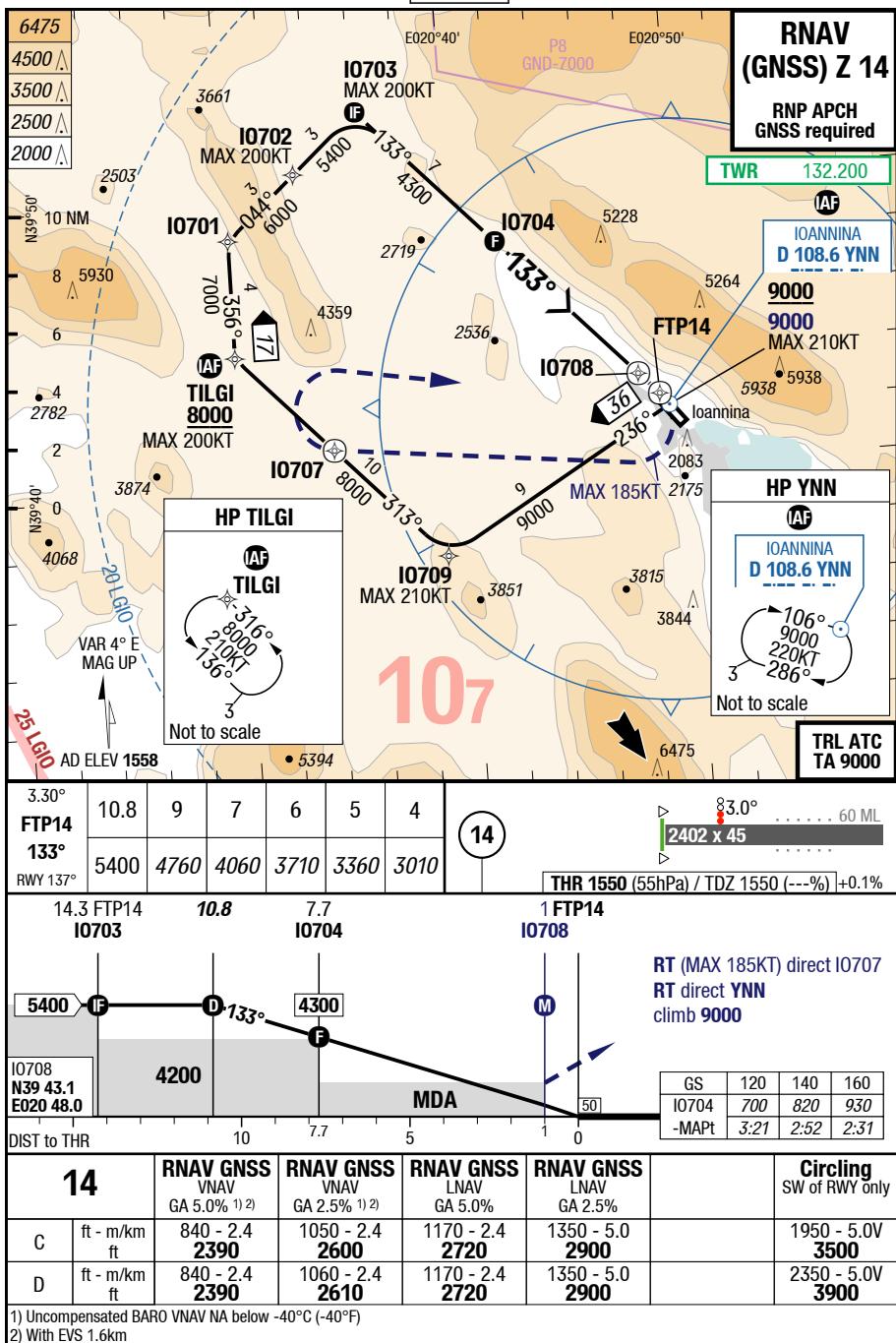
06-SEP-2018

Greece Ioannina King Pyrrhos

IOA-LGIO

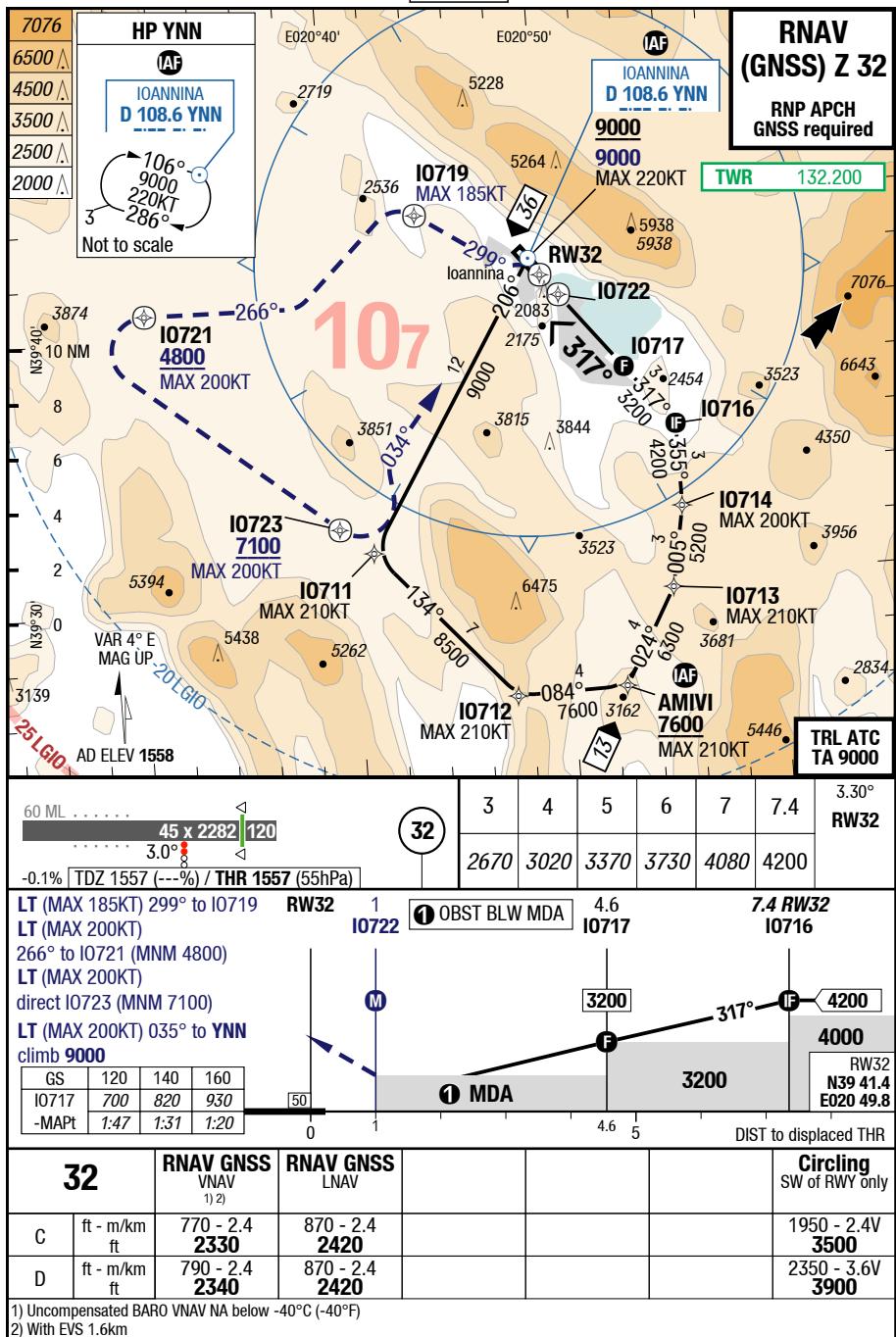
7-10

RNAV (GNSS) Z 14



7-20

**RNAV (GNSS) Z 32**



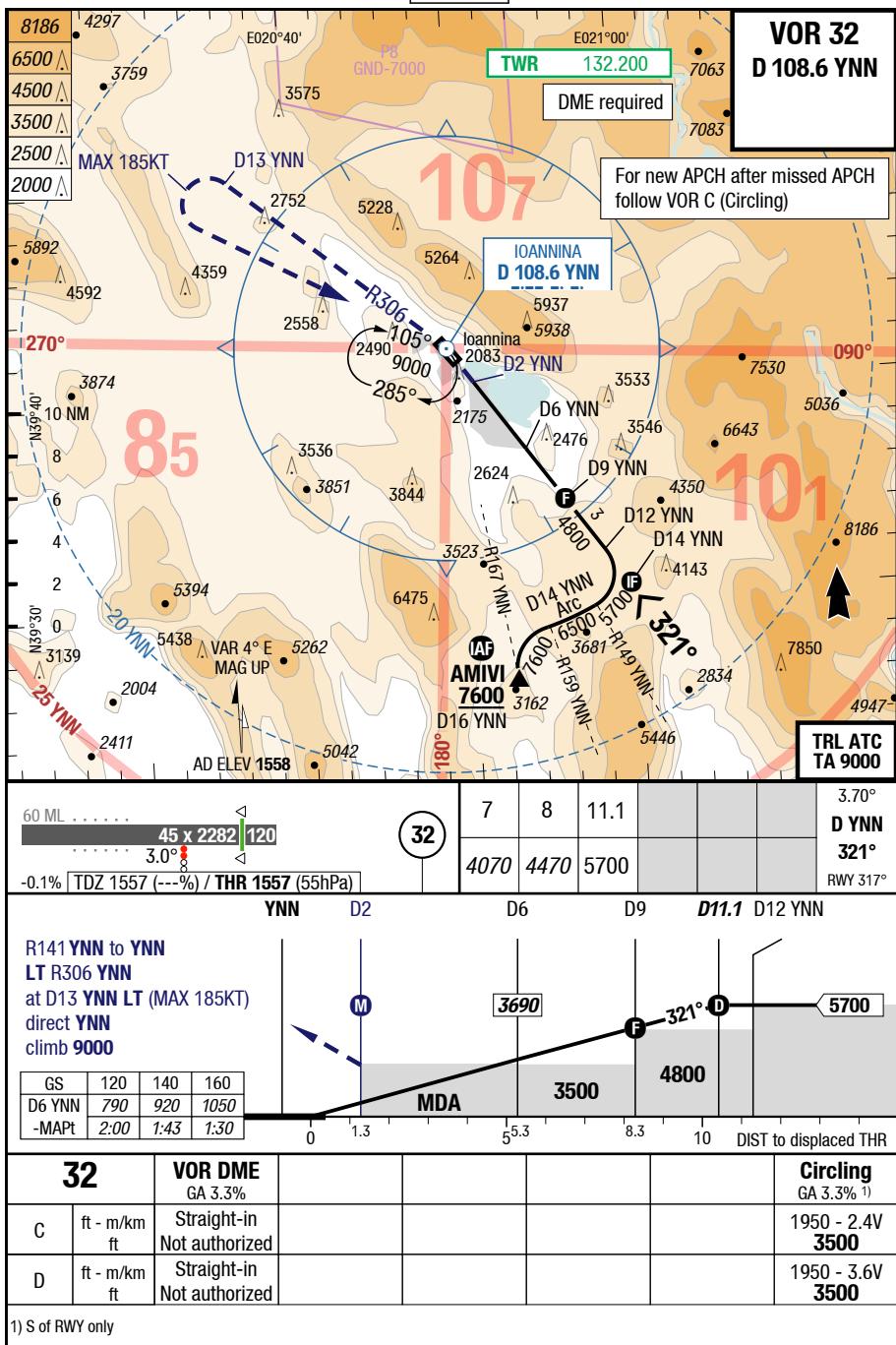
1) Uncompensated BARO VNAV NA below -40°C (-40°F)

2) With FVS 1.6km

IOA-LGIO

7-30

VOR 32

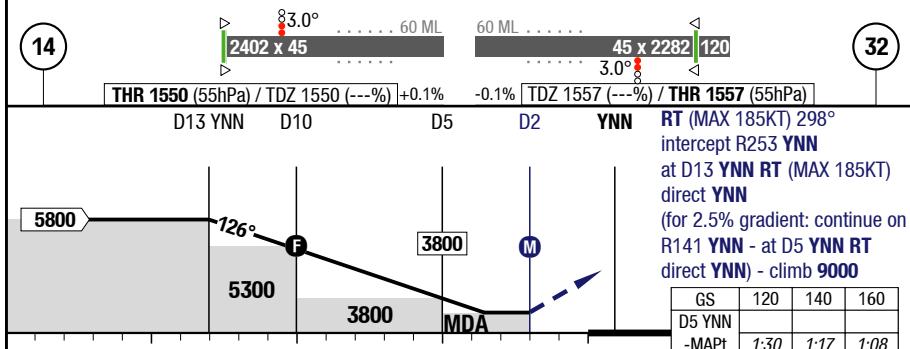
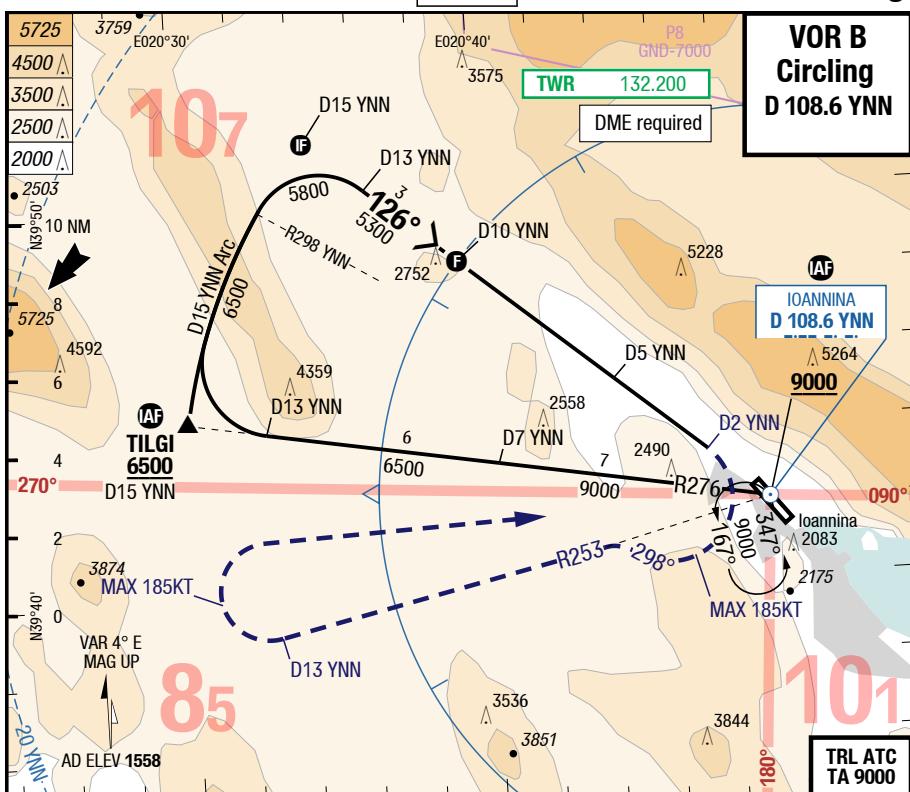


## IOA-LGIO

7-40

## VOR B Circling

IAC

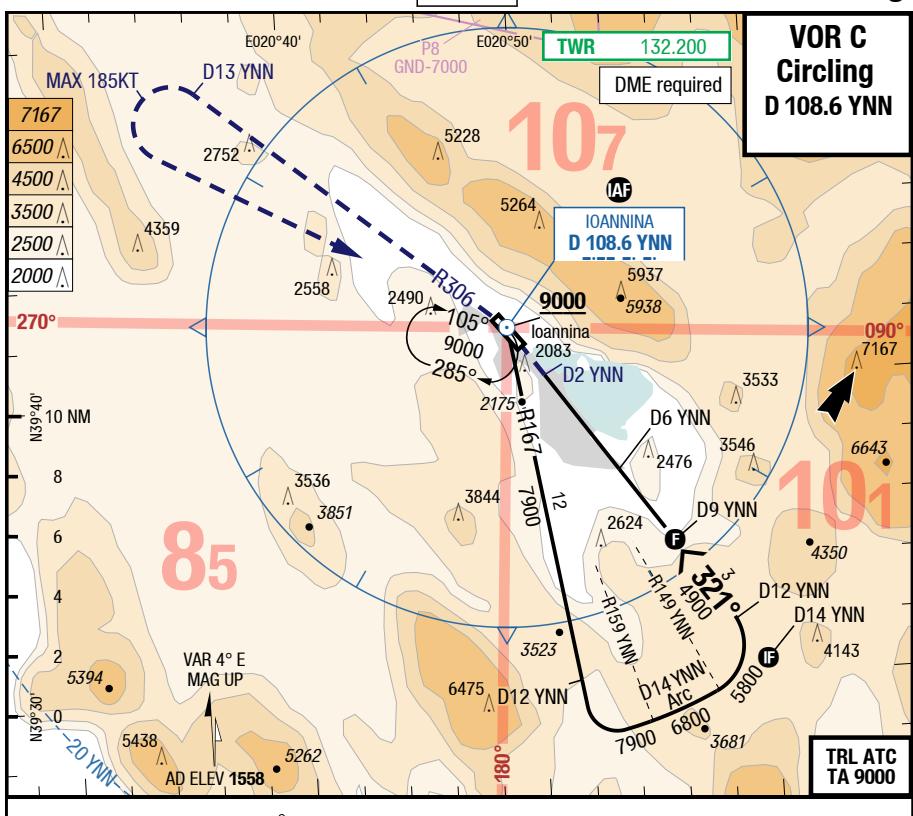


14/32		VOR			Circling GA 3.3% S of RWY only	Circling GA 2.5% S of RWY only
C	ft - m/km ft	Straight-in Not authorized			1950 - 2.4V <b>3500</b>	2150 - 2.4V <b>3700</b>
D	ft - m/km ft	Straight-in Not authorized			2050 - 3.6V <b>3600</b>	2250 - 3.6V <b>3800</b>

IOA-LGIO

7-50

VOR C Circling



R141 YNN to YNN      YNN      D2      D6      D9      D12 YNN

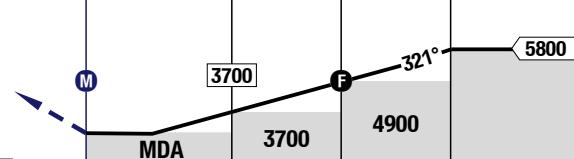
LT R306 YNN

at D13 YNN LT (MAX 185KT)

direct YNN

(for 2.5% gradient: continue on  
R141 YNN - at D5 YNN RT  
direct YNN) - climb 9000

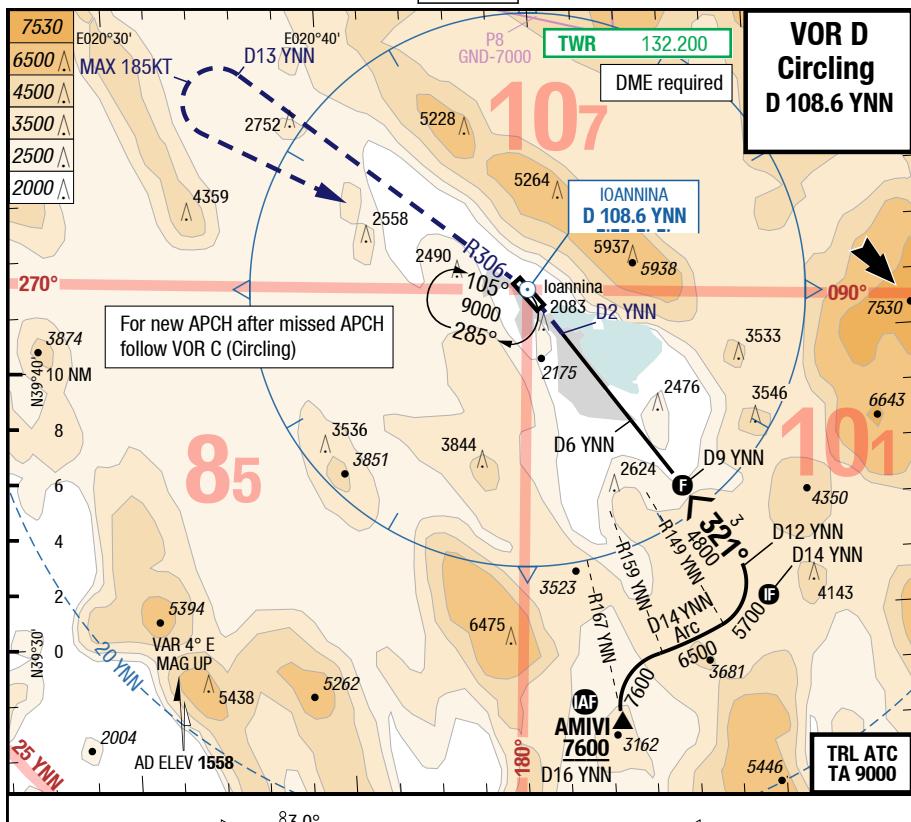
GS	120	140	160
D6 YNN			
-MAPt	2:00	1:43	1:30



14/32		VOR				Circling GA 3.3% S of RWY only	Circling GA 2.5% S of RWY only
C	ft - m/km ft	Straight-in Not authorized				1950 - 2.4V <b>3500</b>	2150 - 2.4V <b>3700</b>
D	ft - m/km ft	Straight-in Not authorized				1950 - 3.6V <b>3500</b>	2150 - 3.6V <b>3700</b>

7-60

VOR D Circling



14/32		VOR					Circling GA 3.3% S of RWY only	Circling GA 2.5% S of RWY only
C	ft - m/km ft	Straight-in Not authorized					1950 - 2.4V 3500	2150 - 2.4V 3700
D	ft - m/km ft	Straight-in Not authorized					1950 - 3.6V 3500	2150 - 3.6V 3700