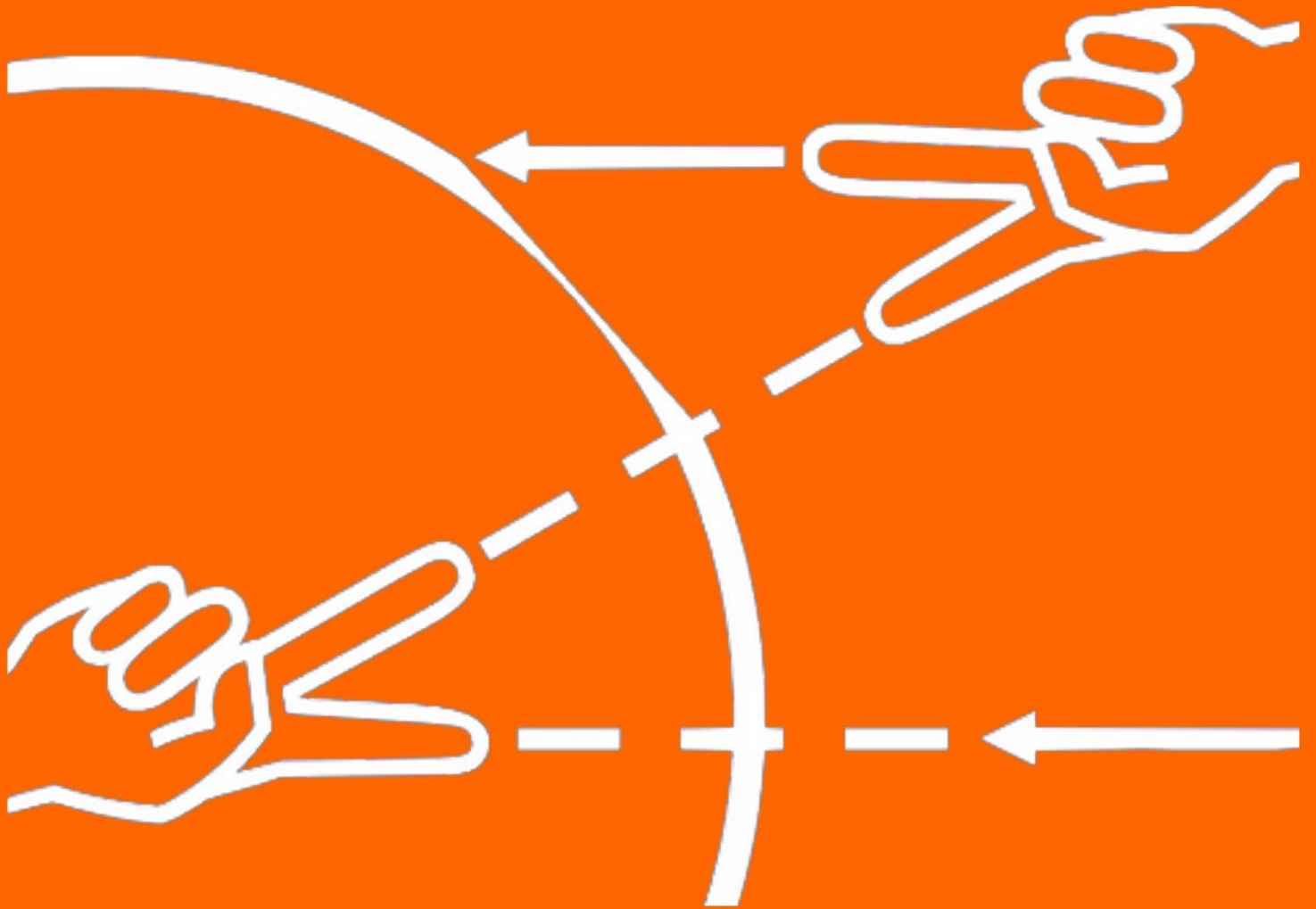


Eratostrhenes



3 Continents

8 Countries

17 Schools

64 Measures

N°26

February 2018

3 Continents

8 Countries

17 Schools

64 Measures

ARGENTINA (1)

Alta Gracia

BRAZIL (4)

Brazopolis, Itajubá, Piranguinho, Rio de Janeiro

COLOMBIA (1)

Guarne

CROATIA (2)

Brštanovo, Donji Muć

FRANCE (1)

Lafrancaise

GREECE (6)

Andritsaina, Aigio, Athens, Ilion 3, Ilion 11, Piraeus

INDIA (1)

Dhoplur

ROMANIA (1)

Busteni

Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Aigio	Greece	1st High School of Aigio	38.252	22.079
	Alta Gracia	Argentina	Fundacion Caminos de Anisacate	-31.659	-64.417
	Andritsaina	Greece	Gymnasio Andritsainas	37.484	21.909
	Athens	Greece	Experimental School Agion Anargyron	38.027	23.726
	Brazopolis	Brazil	Universidade Federal de Itajubá	-22.534	-45.582
	Brštanovo	Croatia	PS kneza Branimira	43.658	16.415
	Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535
	Dholpur	India	Govt girls SSS Tagawali	26.696	77.895
	Donji Muć	Croatia	PS kneza Branimira	43.694	16.462
	Guarne	Colombia	Grupo Astrofánaticos	6.274	-75.447
	Ilion 11th	Greece	11th Junior High School of Ilion	38.033	23.697
	Ilion 3rd	Greece	3rd Junior High School of Ilion	38.037	23.712
	Itajubá	Brazil	Universidade Federal de Itajubá	-22.415	-45.449
	Lafrançaise	France	Collège Antonin Perbosc	44.127	1.238
	Piraeus	Greece	2nd Junior High School of Korydallos	37.977	23.655
	Piranguinho	Brazil	Universidade Federal de Itajubá	-22.411	-45.535
	Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.89	-43.317

Aigio, Greece

February 2018

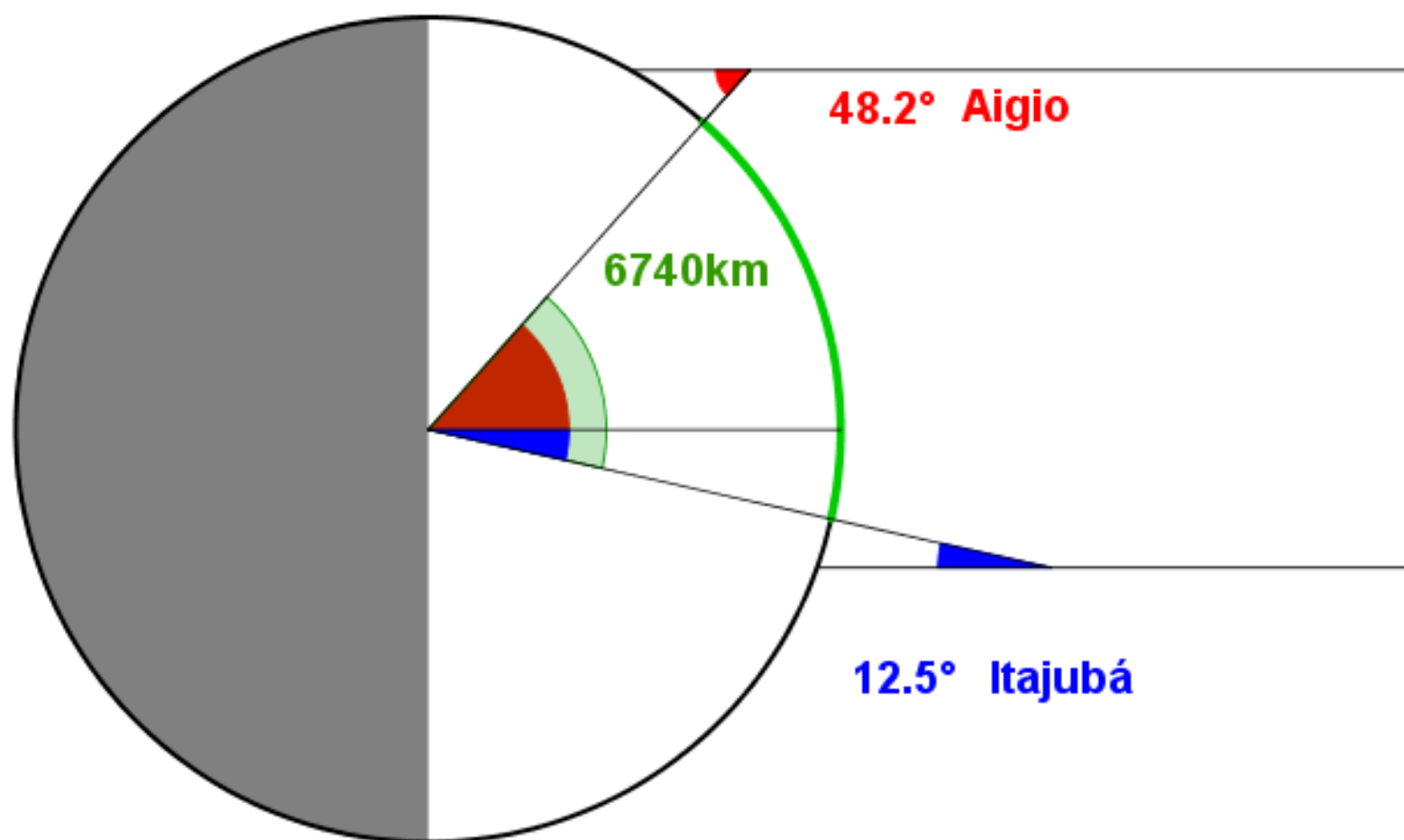


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Aigio	Greece	1st High School of Aigio	38.252	22.079

Date	Gnomon	Shadow	Angle
06/02/2018	30 cm	40.8 cm	53.7 °
08/02/2018	30 cm	39.6 cm	52.9 °
23/02/2018	30 cm	33.5 cm	48.2 °
27/02/2018	30 cm	31.2 cm	46.1 °

23/02/2018 (Aigio-Greece) Latitude: 38.252°

23/02/2018 (Itajubá-Brazil) Latitude: -22.415°



$$\text{circumference} = \frac{360^\circ \times 6740\text{km}}{48.2^\circ + 12.5^\circ} = 39974 \text{ km}$$



Alta Gracia, Argentina

February 2018

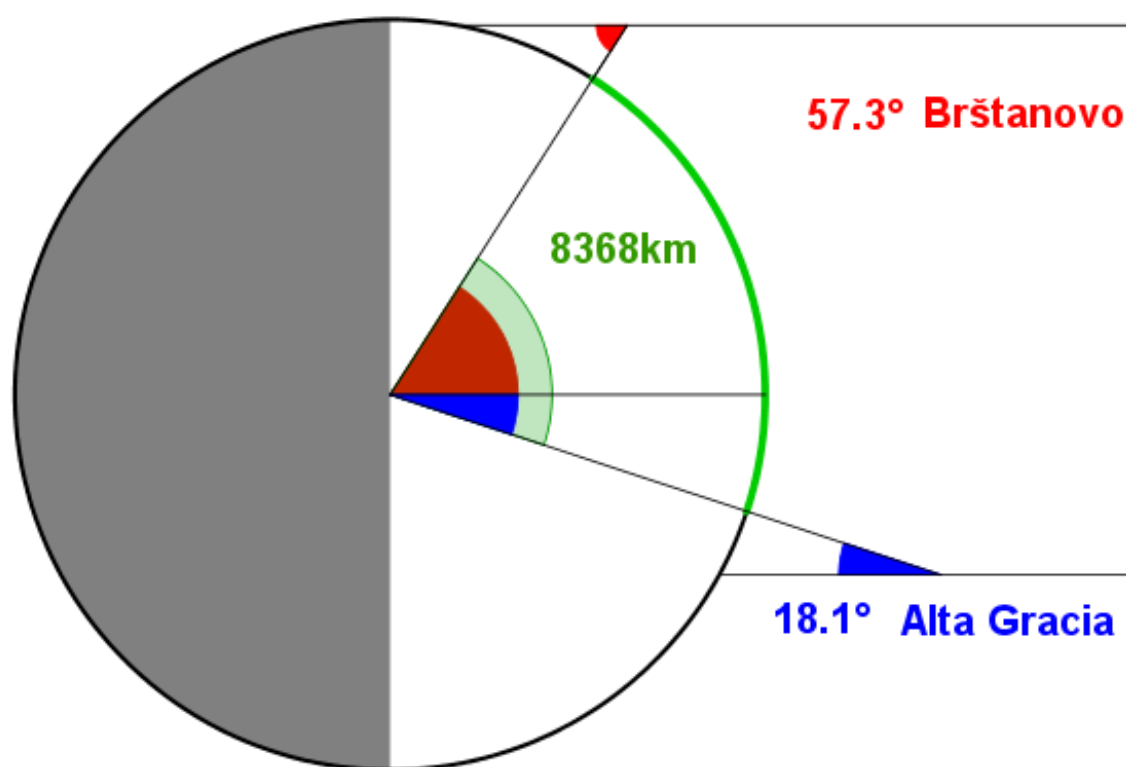


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Alta Gracia	Argentina	Fundacion Caminos de Anisacate	-31.659	-64.417

Date	Gnomon	Shadow	Angle
02/02/2018	75 cm	-19.5 cm	-14.6 °
05/02/2018	75 cm	-20.5 cm	-15.3 °
06/02/2018	75 cm	-20.6 cm	-15.4 °
08/02/2018	75 cm	-21.5 cm	-16 °
12/02/2018	75 cm	-23.5 cm	-17.4 °
14/02/2018	75 cm	-24.5 cm	-18.1 °
15/02/2018	75 cm	-25 cm	-18.4 °
22/02/2018	75 cm	-28.5 cm	-20.8 °
26/02/2018	65.5 cm	-27 cm	-22.4 °
28/02/2018	65.5 cm	-28 cm	-23.1 °

14/02/2018 (Brštanovo-Croatia) Latitude: 43.658°

14/02/2018 (Alta Gracia-Argentina) Latitude: -31.659°



$$\text{circumference} = \frac{360^\circ \times 8368\text{km}}{57.3^\circ + 18.1^\circ} = 39953 \text{ km}$$



Andritsaina, Greece

February 2018

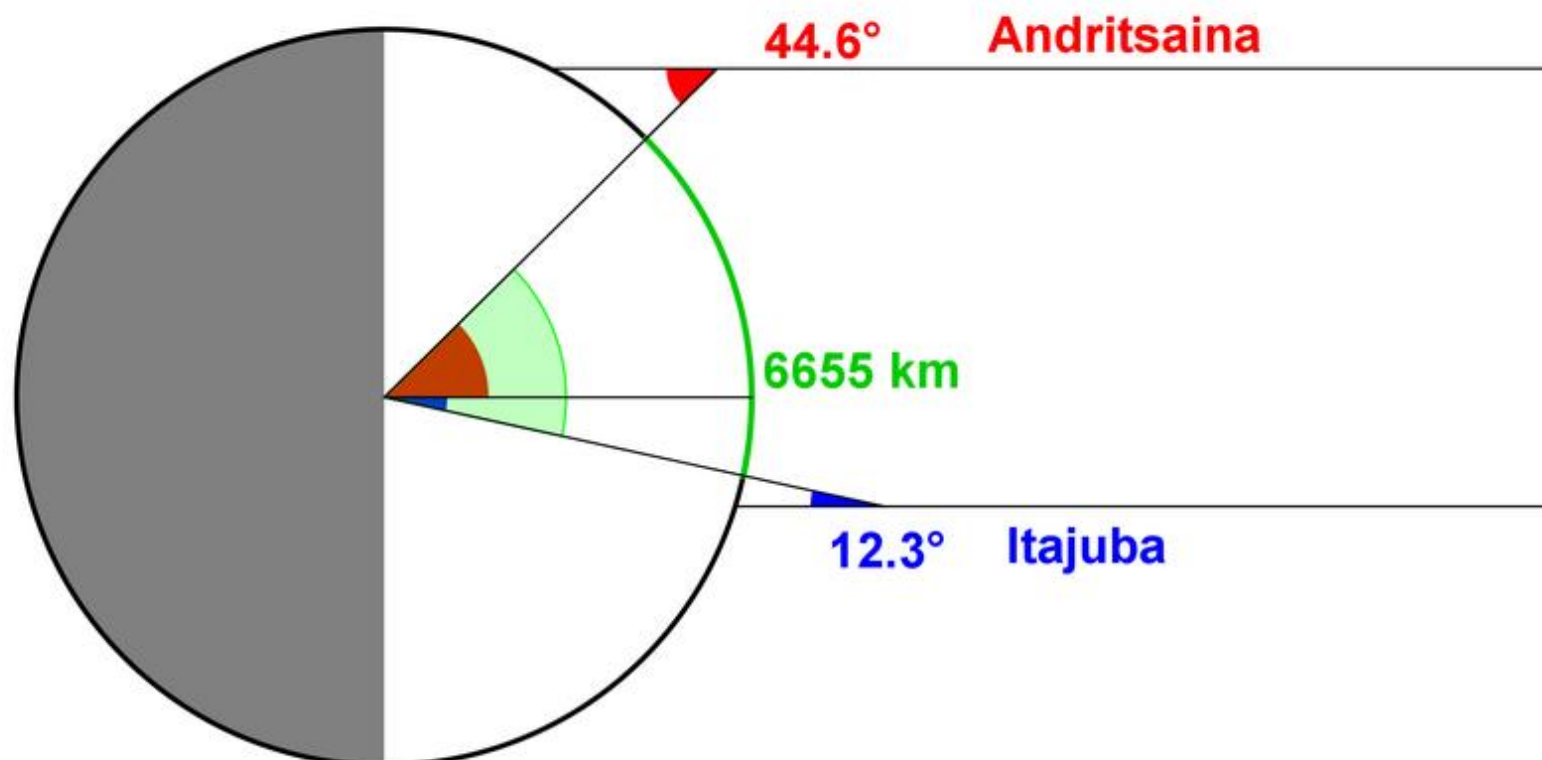


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Andritsaina	Greece	Gymnasio Andritsainas	37.484	21.909

Date	Gnomon	Shadow	Angle
22/02/2018	100 cm	98.6 cm	44.6 °

22 February 2018 (Andritsaina-GREECE) Latitude: 37.484 °

22 February 2018 (Itajuba-BRAZIL) Latitude: -22.415 °



$$\text{circumference} = \frac{360^\circ \times 6655 \text{ km}}{44.6^\circ + 12.3^\circ} = 42105 \text{ km}$$



Athens, Greece

February 2018

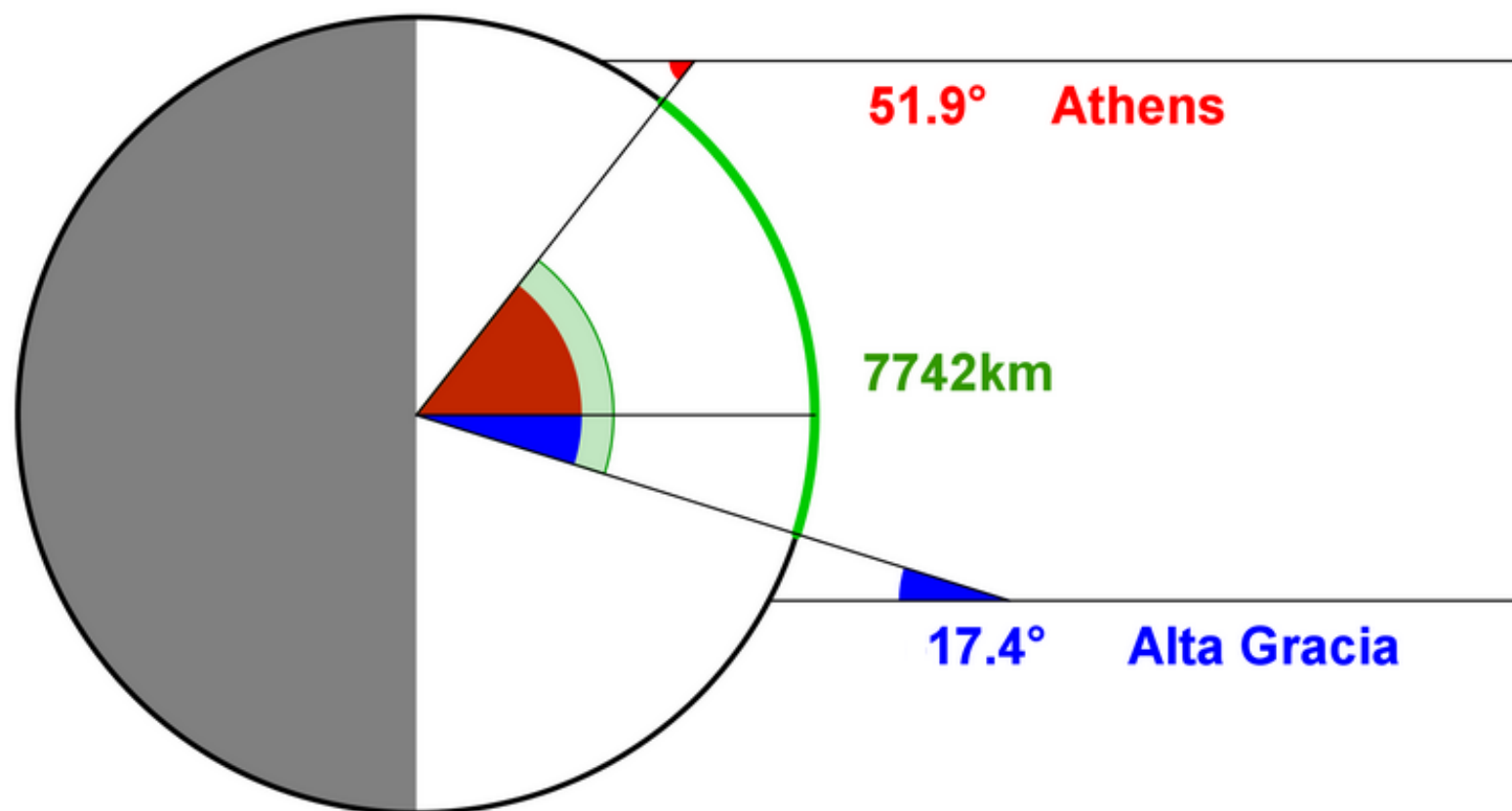


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Athens	Greece	Experimental School Agion Anargyron	38.027	23.726

Date	Gnomon	Shadow	Angle
12/02/2018	47 cm	60 cm	51.9 °
14/02/2018	35.0 cm	42.0 cm	50.2 °
19/02/2018	37.2 cm	43.2 cm	49.3 °

12/02/2018 (Athens-Greece) Latitude: 38.027°

12/02/2018 (Alta Gracia-Argentina) Latitude: -31.659°



$$\text{circumference} = \frac{360^\circ \times 7742\text{km}}{51.9^\circ + 17.4^\circ} = 40218 \text{ km}$$



Brazopolis, Brazil

February 2018

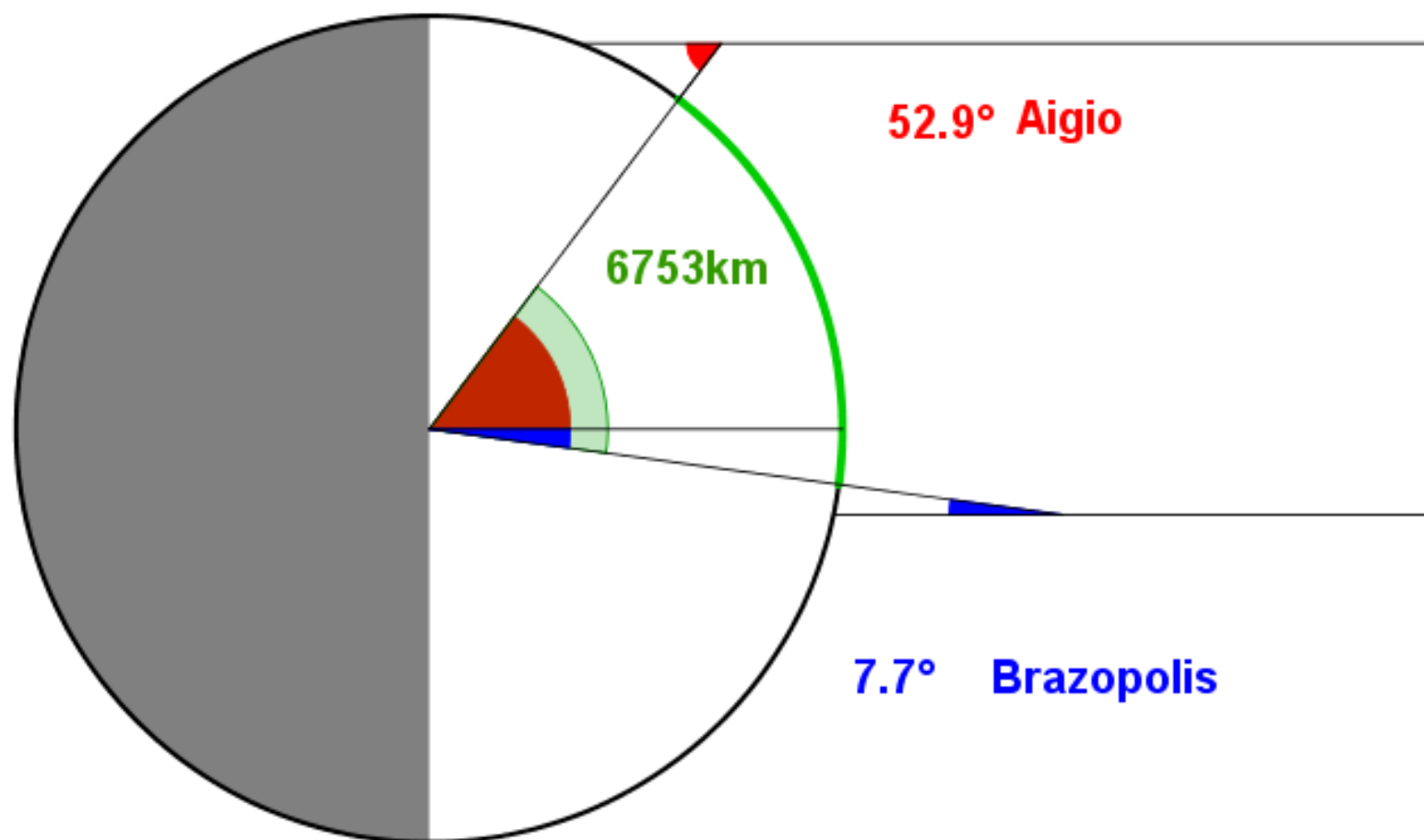


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Brazopolis	Brazil	Universidade Federal de Itajubá	-22.534	-45.582

Date	Gnomon	Shadow	Angle
08/02/2018	49.0 cm	-6.6 cm	-7.7 °

08/02/2018 (Aigio-Greece) Latitude: 38.252°

08/02/2018 (Brazopolis-Brazil) Latitude: -22.534°



$$\text{circumference} = \frac{360^\circ \times 6753\text{km}}{52.9^\circ + 7.7^\circ} = 40117 \text{ km}$$



08.02.2018

Brštanovo, Croatia

February 2018

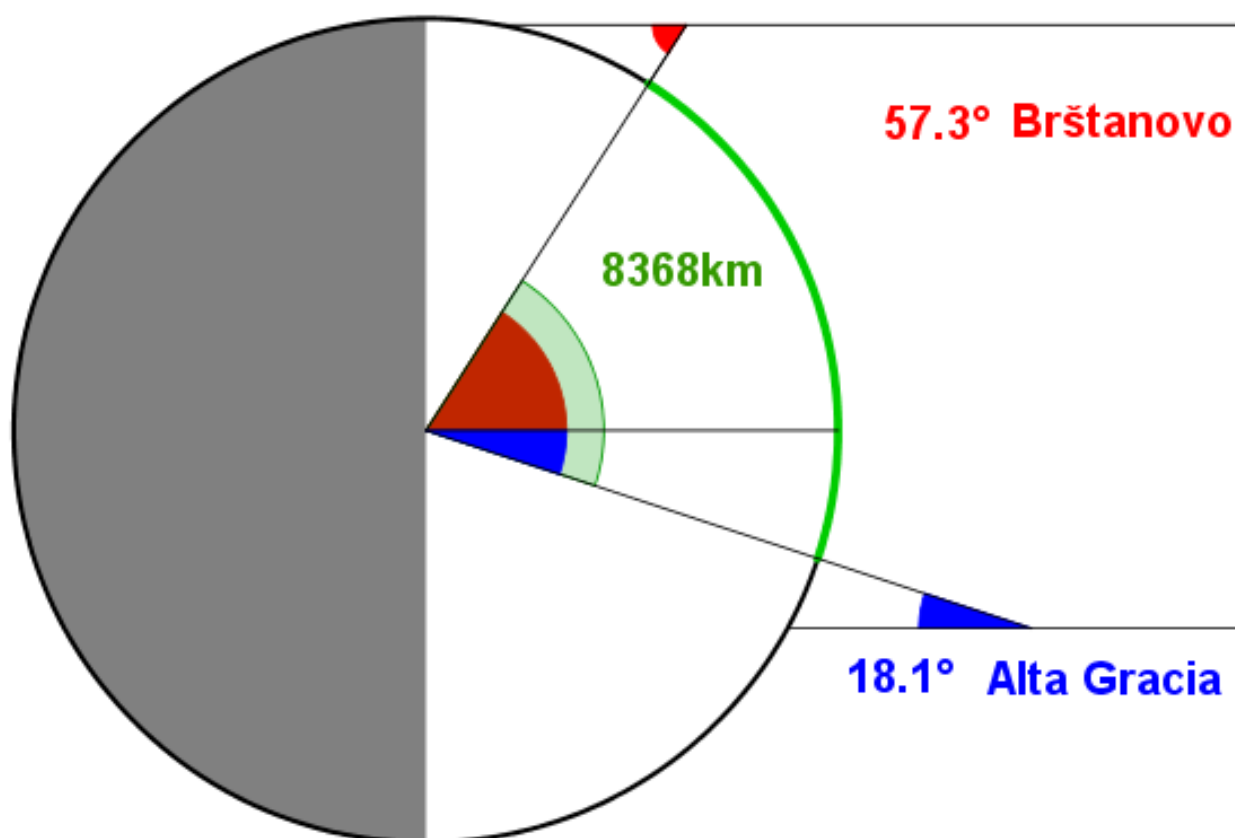


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Brštanovo	Croatia	PS kneza Branimira	43.658	16.415

Date	Gnomon	Shadow	Angle
05/02/2018	100.0 cm	169.5 cm	59.5 °
09/02/2018	100 cm	164 cm	58.6 °
14/02/2018	100 cm	155.5 cm	57.3 °

14/02/2018 (Brštanovo-Croatia) Latitude: 43.658°

14/02/2018 (Alta Gracia-Argentina) Latitude: -31.659°



$$\text{circumference} = \frac{360^\circ \times 8368\text{km}}{57.3^\circ + 18.1^\circ} = 39953 \text{ km}$$



Busteni, Romania

February 2018

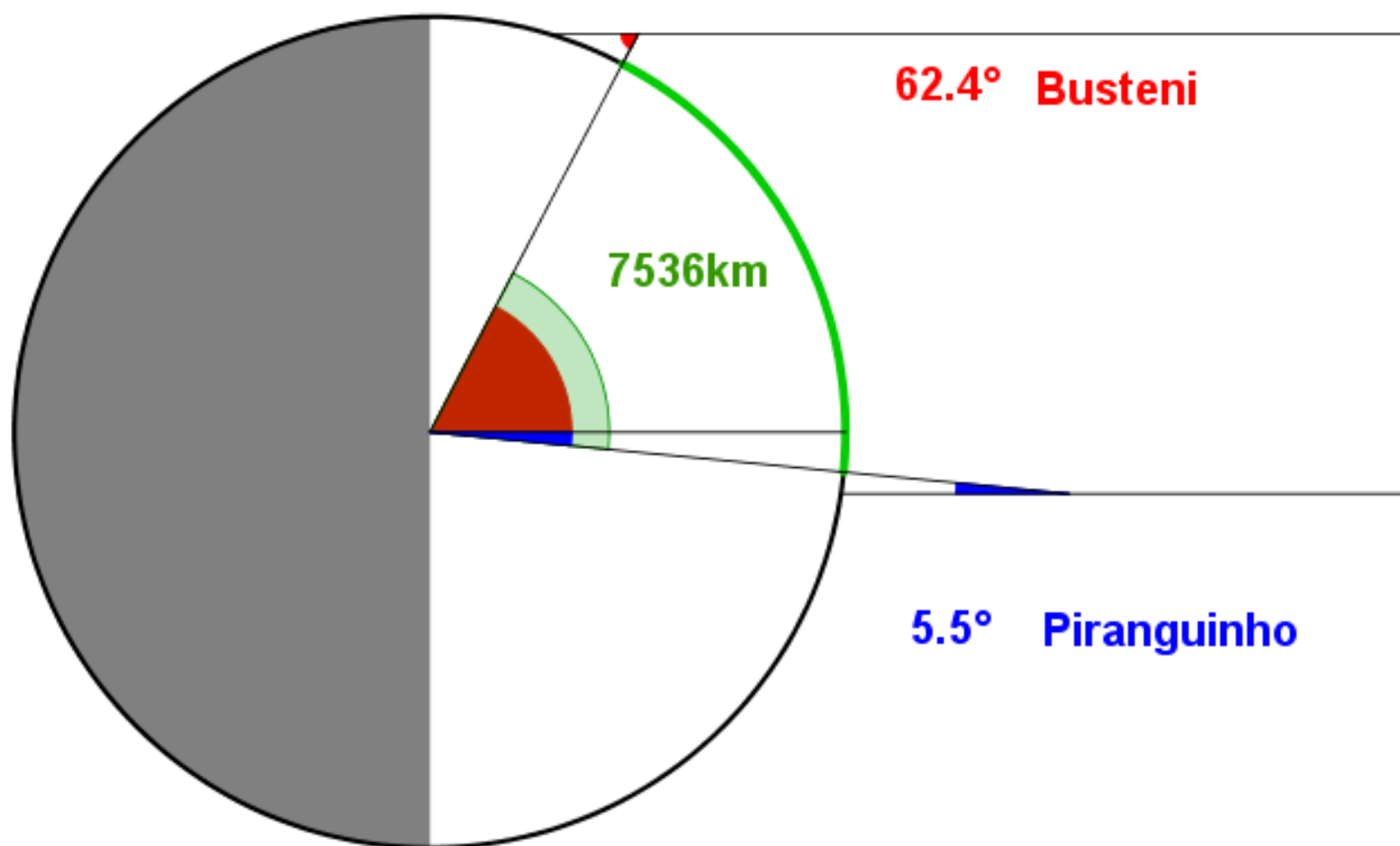


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535

Date	Gnomon	Shadow	Angle
01/02/2018	28.7 cm	55 cm	62.4 °
12/02/2018	20.4 cm	34 cm	59 °
15/02/2018	13.1 cm	21.0 cm	58.0 °
22/02/2018	50.0 cm	73.0 cm	55.6 °
23/02/2018	21.0 cm	30.0 cm	55.0 °

01/02/2018 (Busteni-Romania) Latitude: 45.416°

01/02/2018 (Piranguinho-Brazil) Latitude: -22.411°



$$\text{circumference} = \frac{360^\circ \times 7536\text{km}}{62.4^\circ + 5.5^\circ} = 39955 \text{ km}$$



Dholpur, India

February 2018

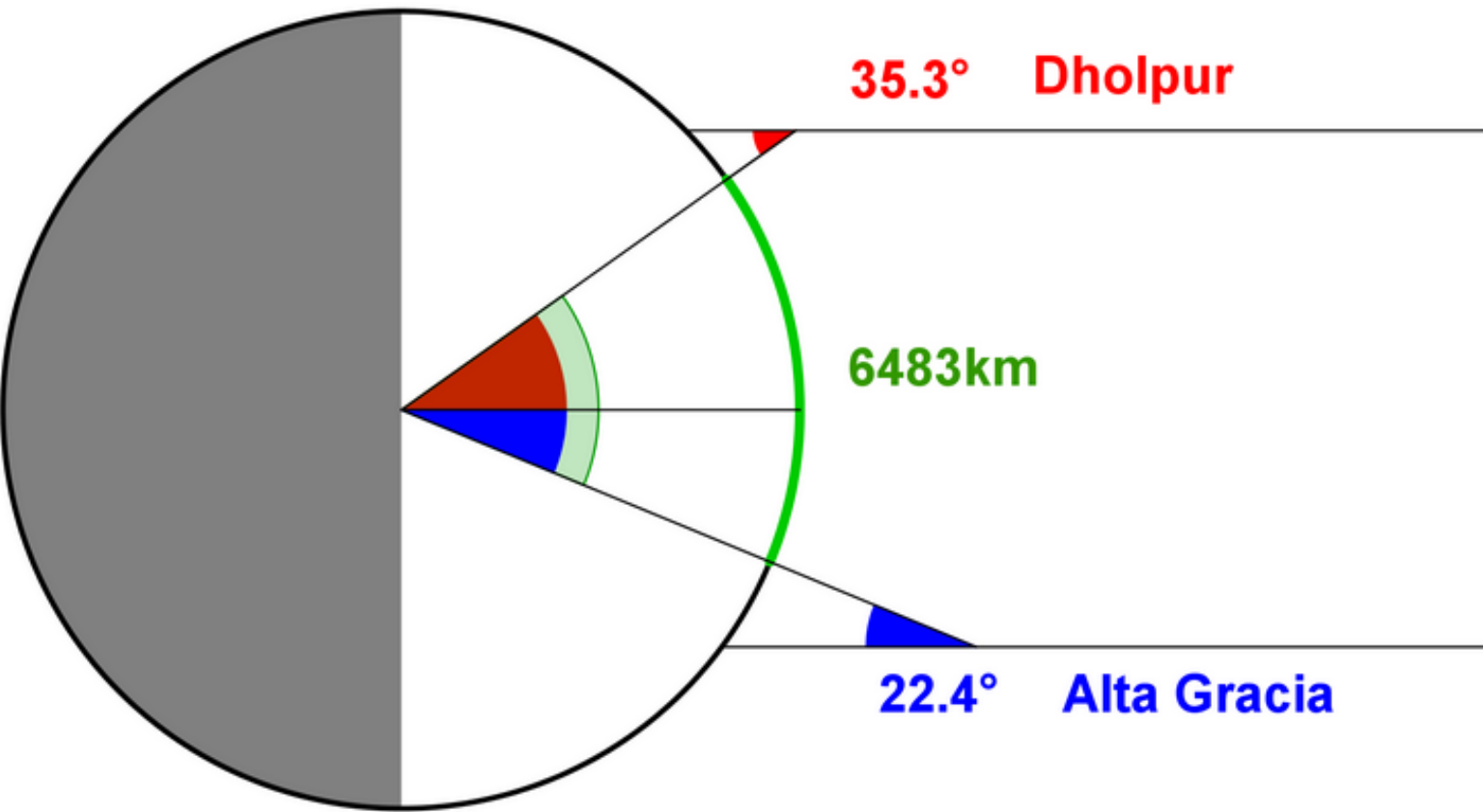


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Dholpur	India	Govt girls SSS Tagawali	26.696	77.895

Date	Gnomon	Shadow	Angle
26/02/2018	60 cm	42.5 cm	35.3 °

26/02/2018 (Dholpur-India) Latitude: 26.696°

26/02/2018 (Alta Gracia-Argentina) Latitude: -31.659°



circumference = $\frac{360^\circ \times 6483\text{km}}{35.3^\circ + 22.4^\circ} = 40449 \text{ km}$

दिनांक : 26-02-2018

समारोह संयोजक -

सर्कारी बालिका उच्च माध्यमिक विद्यालय, धौलपुर

अपना हार्दिक स्वागत एवं अभिनन्दन करता हूँ



Donji Muć, Croatia

February 2018

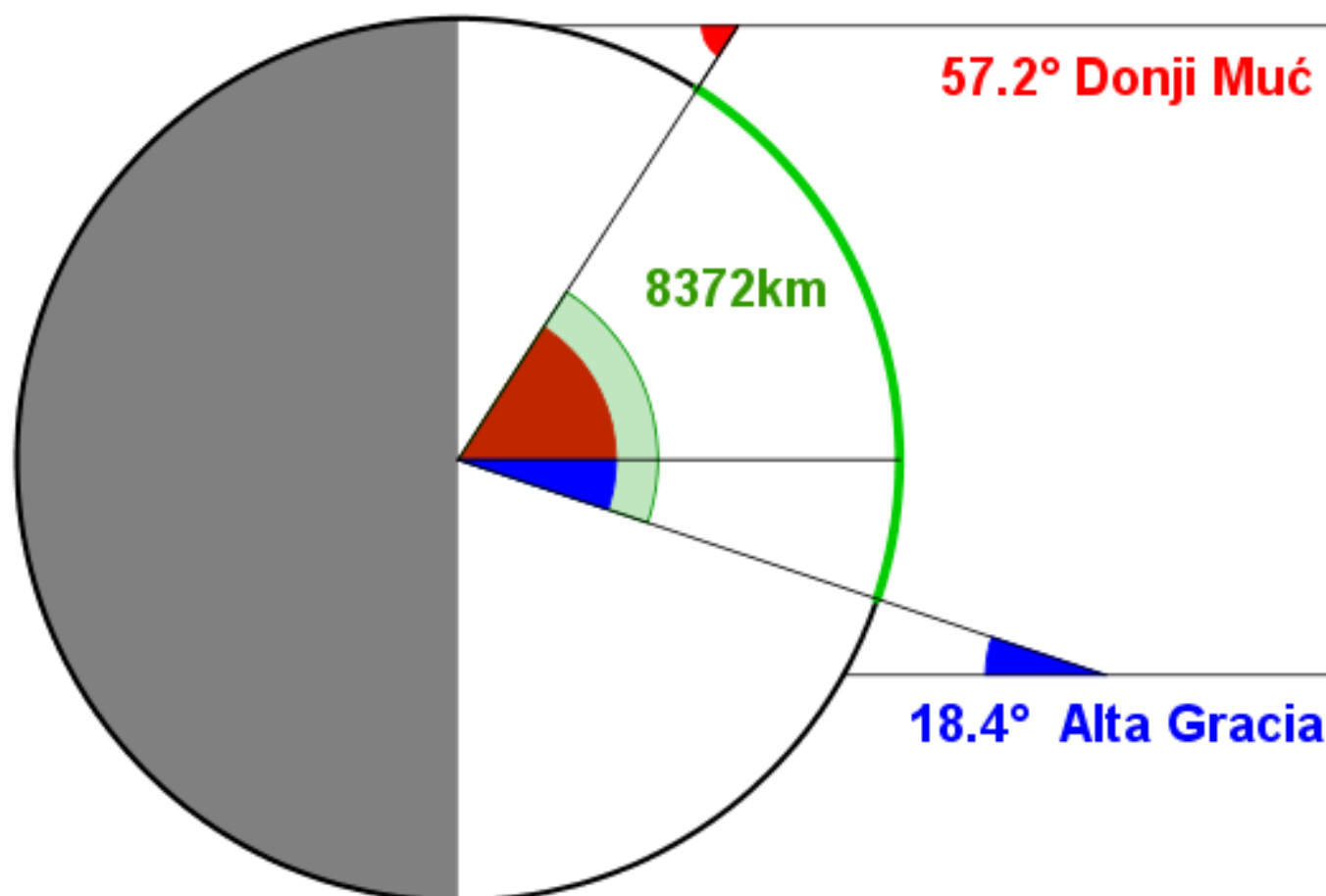


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Donji Muć	Croatia	PS kneza Branimira	43.694	16.462

Date	Gnomon	Shadow	Angle
15/02/2018	100 cm	154.9 cm	57.2 °

15/02/2018 (Donji Muć-Croatia) Latitude: 43.694°

15/02/2018 (Alta Gracia-Argentina) Latitude: -31.659°



$$\text{circumference} = \frac{360^\circ \times 8372\text{km}}{57.2^\circ + 18.4^\circ} = 39867 \text{ km}$$



Guarne, Colombia

February 2018

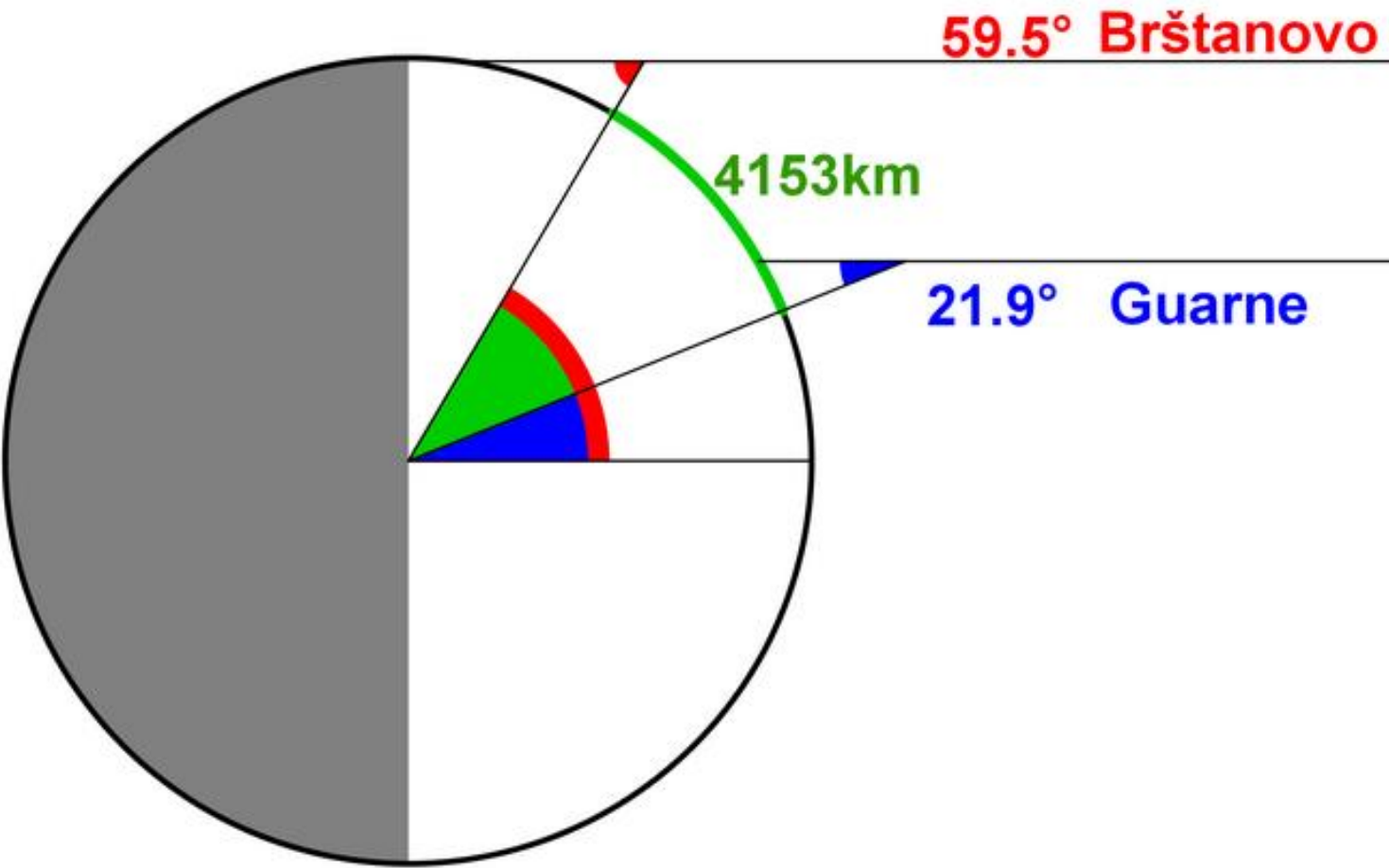


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Guarne	Colombia	Grupo Astrofánaticos	6.274	-75.447

Date	Gnomon	Shadow	Angle
05/02/2018	95.1 cm	38.3 cm	21.9 °

05/02/2018 (Brštanovo-Croatia) Latitude: 43.658°

05/02/2018 (Guarne-Colombia) Latitude: 6.274°



circumference = $\frac{360^\circ \times 4153\text{km}}{59.5^\circ - 21.9^\circ} = 39763 \text{ km}$



Ilion 3rd, Greece

February 2018

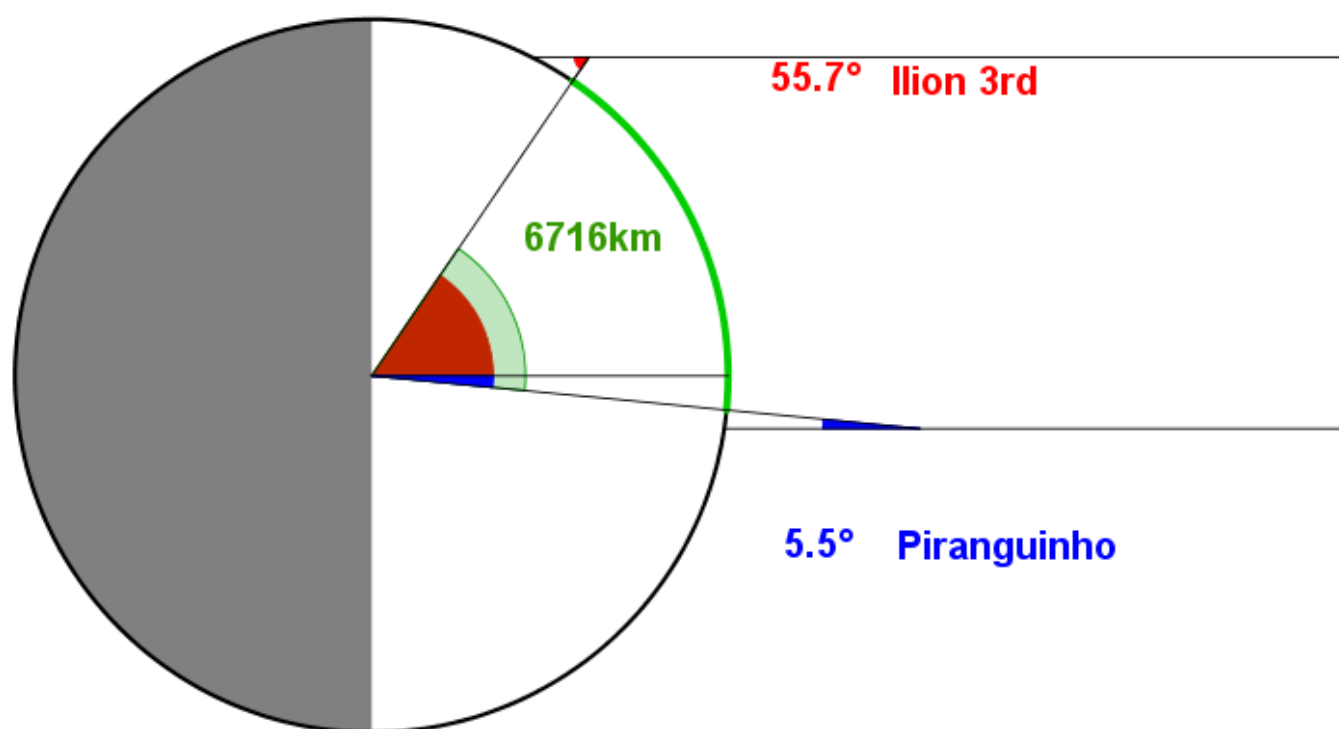


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Ilion 3rd	Greece	3rd Junior High School of Ilion	38.037	23.712

Date	Gnomon	Shadow	Angle
01/02/2018	100.0 cm	146.5 cm	55.7 °
06/02/2018	100 cm	146.8 cm	55.7 °
07/02/2018	100 cm	141.5 cm	54.8 °
12/02/2018	100.0 cm	135.6 cm	53.6 °
22/02/2018	100 cm	126.5 cm	51.7 °
23/02/2018	100 cm	120 cm	50.2 °
27/02/2018	100.0 cm	108.3 cm	47.3 °

01/02/2018 (Ilion 3rd-Greece) Latitude: 38.037°

01/02/2018 (Piranguinho-Brazil) Latitude: -22.411°



$$\text{circumference} = \frac{360^\circ \times 6716\text{km}}{55.7^\circ + 5.5^\circ} = 39506 \text{ km}$$



Ilion 11th, Greece

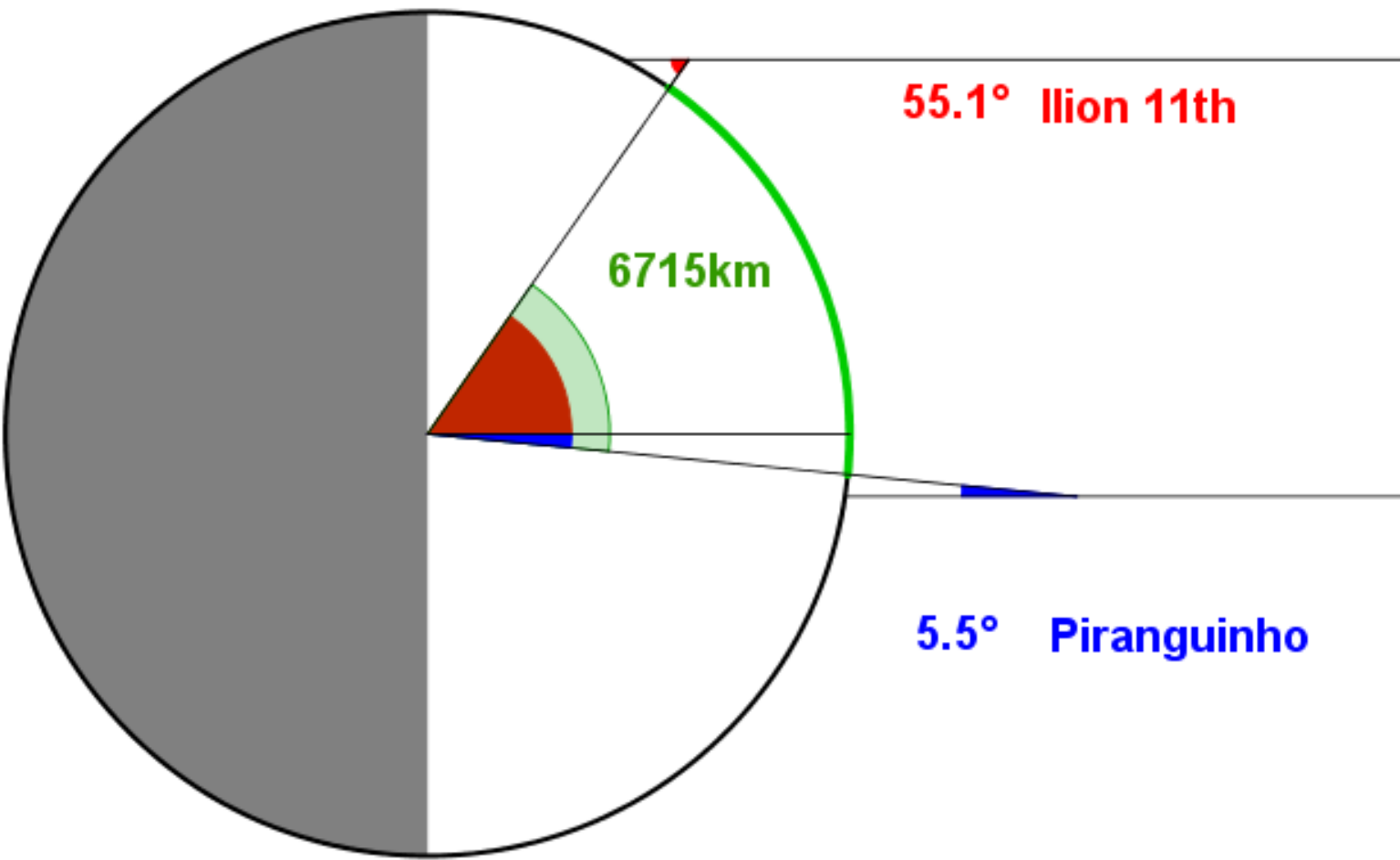
February 2018



Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Ilion 11th	Greece	11th Junior High School of Ilion	38.033	23.697

Date	Gnomon	Shadow	Angle
20/02/2018	30.4 cm	35 cm	49 °
01/02/2018	30.4 cm	43.5 cm	55.1 °
27/02/2018	30.4 cm	31.8 cm	46.3 °

01/02/2018 (Ilion 11th-Greece) Latitude: 38.033°
01/02/2018 (Piranguinho-Brazil) Latitude: -22.411°



circumference = $\frac{360^\circ \times 6715\text{km}}{55.1^\circ + 5.5^\circ} = 39891 \text{ km}$



Itajubá, Brazil

February 2018

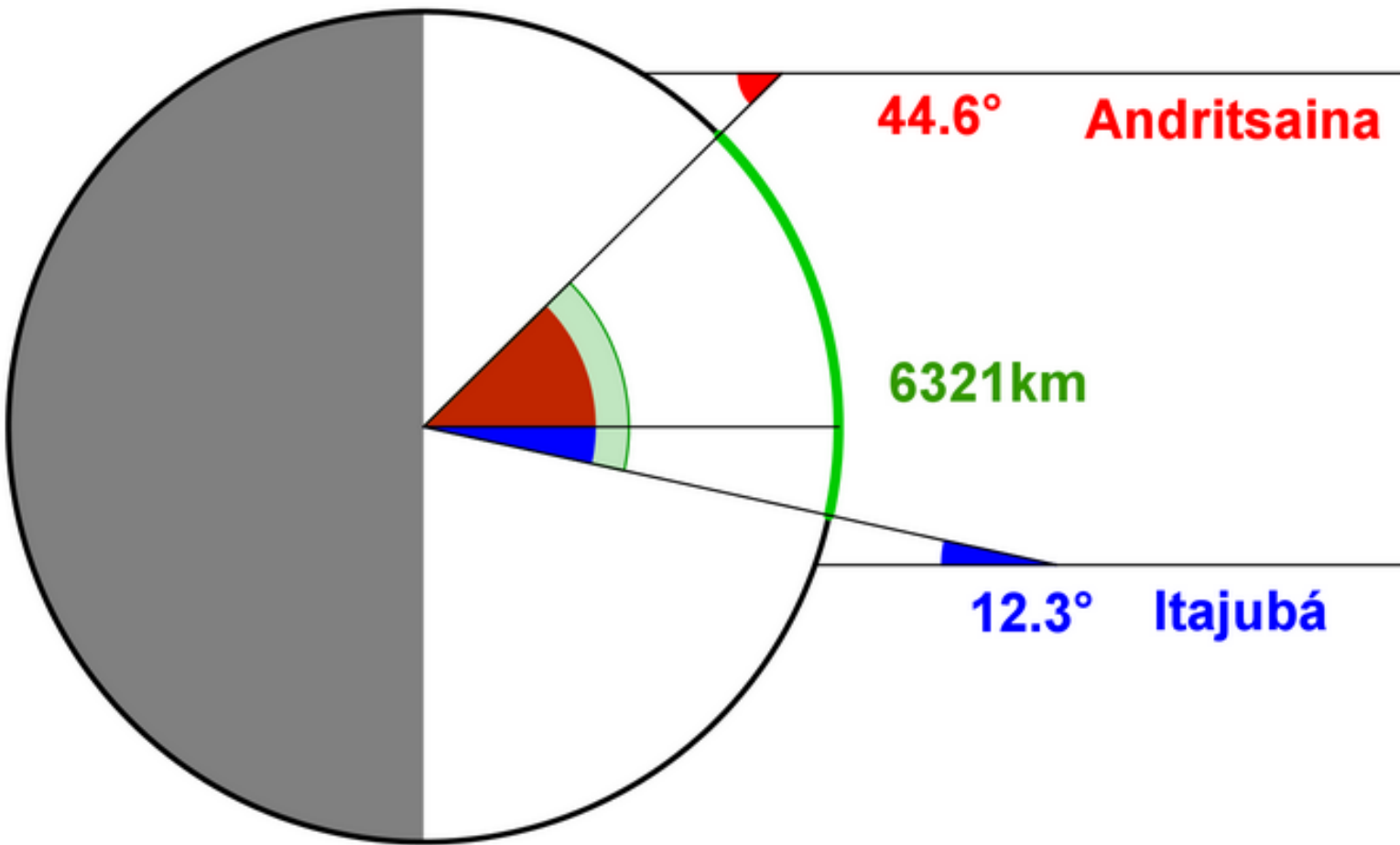


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Itajubá	Brazil	Universidade Federal de Itajubá	-22.415	-45.449

Date	Gnomon	Shadow	Angle
14/02/2018	47.3 cm	-7.6 cm	-9.1 °
22/02/2018	47.3 cm	-10.3 cm	-12.3 °
23/02/2018	47.3 cm	-10.5 cm	-12.5 °

22/02/2018 (Andritsaina-Greece) Latitude: 34.484°

22/02/2018 (Itajubá-Brazil) Latitude: -22.415°



circumference = $\frac{360^\circ \times 6321\text{km}}{44.6^\circ + 12.3^\circ} = 39992 \text{ km}$



14.02.2018



22.02.2018

Lafrançaise, France

February 2018

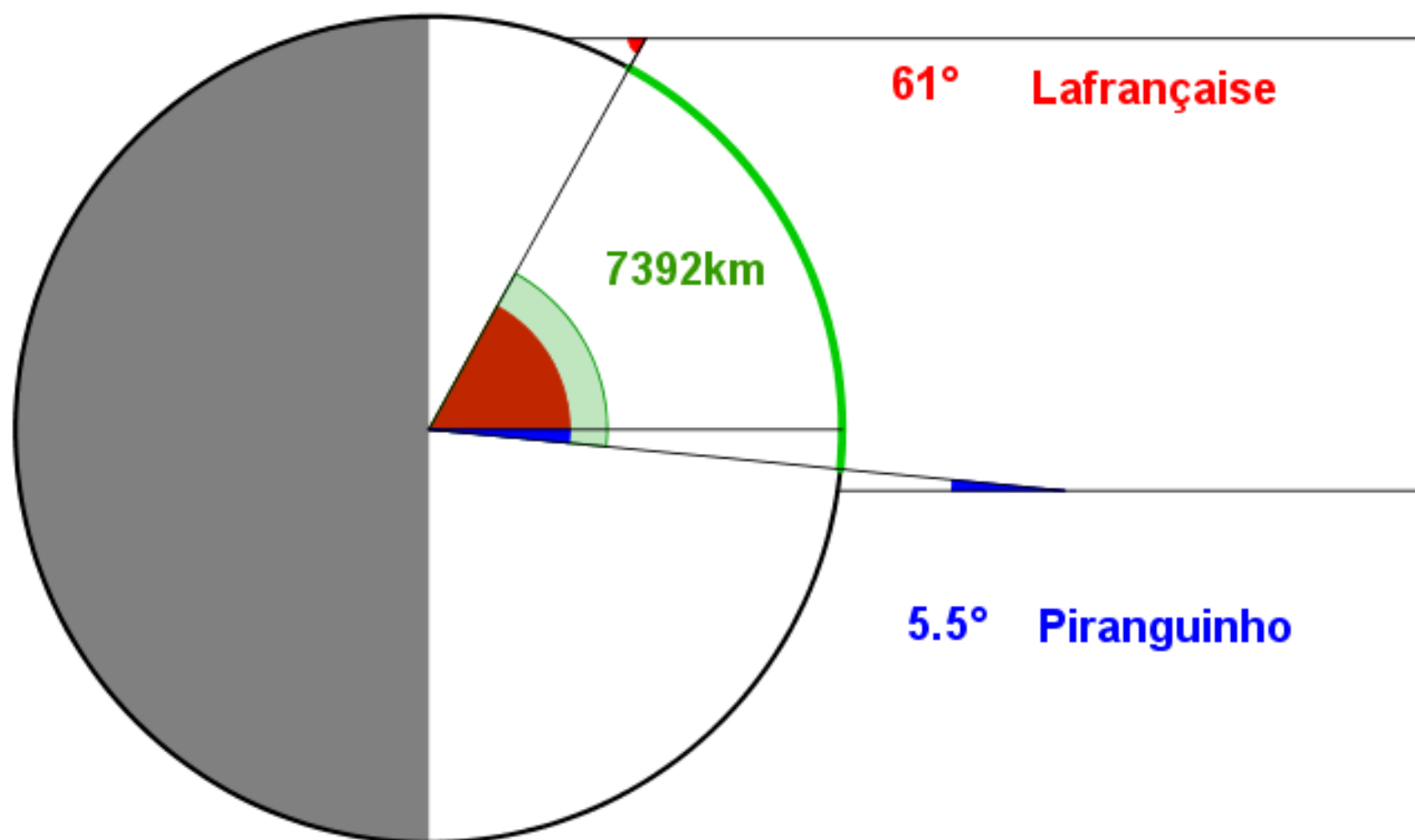


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Lafrançaise	France	Collège Antonin Perbosc	44.127	1.238

Date	Gnomon	Shadow	Angle
01/02/2018	100 cm	180.1 cm	61 °
02/02/2018	100 cm	177.4 cm	60.6 °
09/02/2018	100 cm	162.8 cm	58.4 °
12/02/2018	100 cm	157.2 cm	57.5 °
15/02/2018	100 cm	151.5 cm	56.6 °

01/02/2018 (Lafrançaise-France) Latitude: 44.127°

01/02/2018 (Piranguinho-Brazil) Latitude: -22.411°



$$\text{circumference} = \frac{360^\circ \times 7392\text{km}}{61^\circ + 5.5^\circ} = 40017 \text{ km}$$



Piraeus, Greece

February 2018

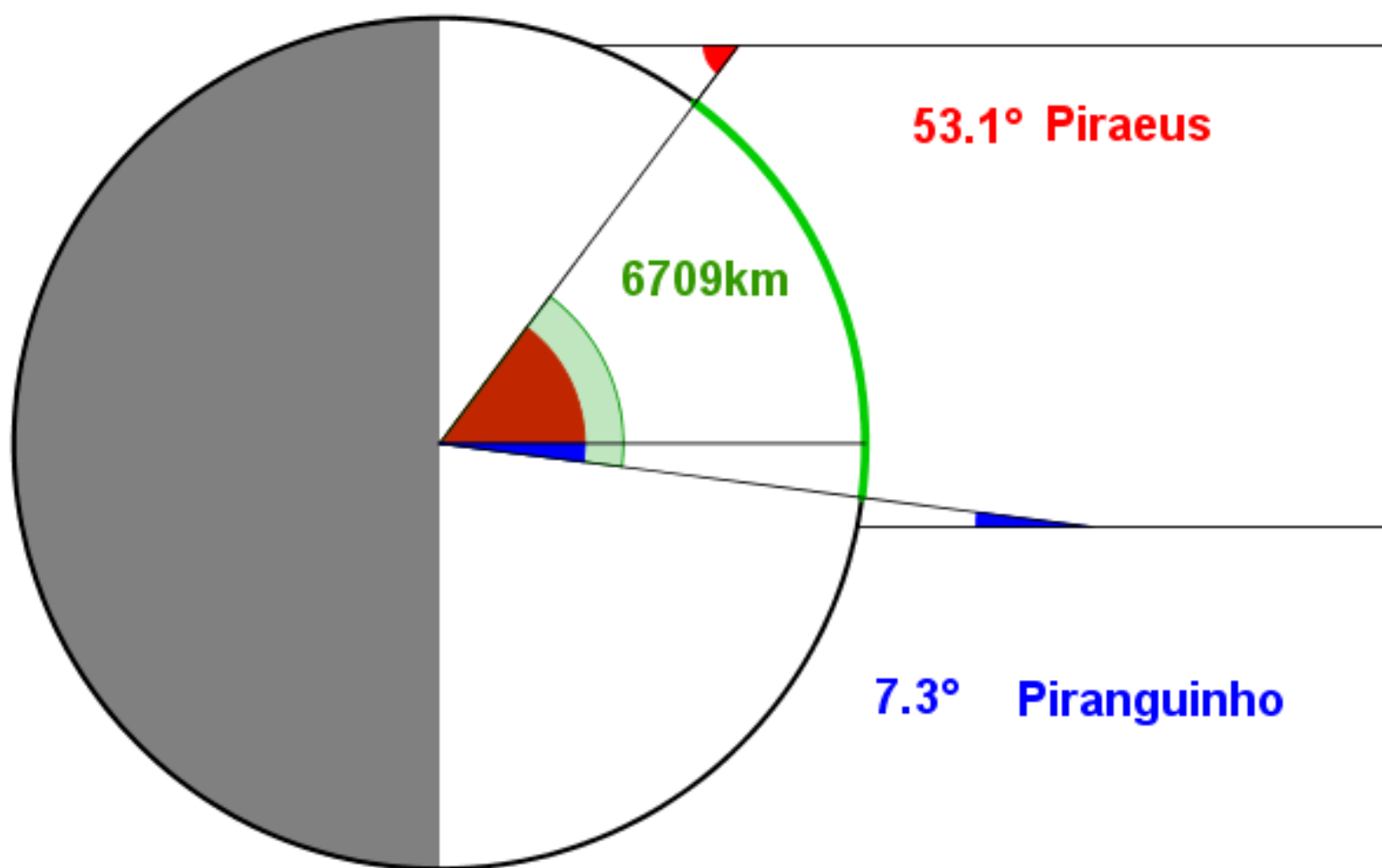


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Piraeus	Greece	2nd Junior High School of Korydallos	37.977	23.655

Date	Gnomon	Shadow	Angle
01/02/2018	100 cm	136 cm	53.7 °
06/02/2018	100 cm	133 cm	53.1 °
14/02/2018	100 cm	124.5 cm	51.2 °
23/02/2018	100 cm	106 cm	46.7 °

06/02/2018 (Piraeus-Greece) Latitude: 37.977°

06/02/2018 (Piranguinho-Brazil) Latitude: -22.411°



$$\text{circumference} = \frac{360^\circ \times 6709\text{km}}{53.1^\circ + 7.3^\circ} = 39987 \text{ km}$$



Piranguinho, Brazil

February 2018

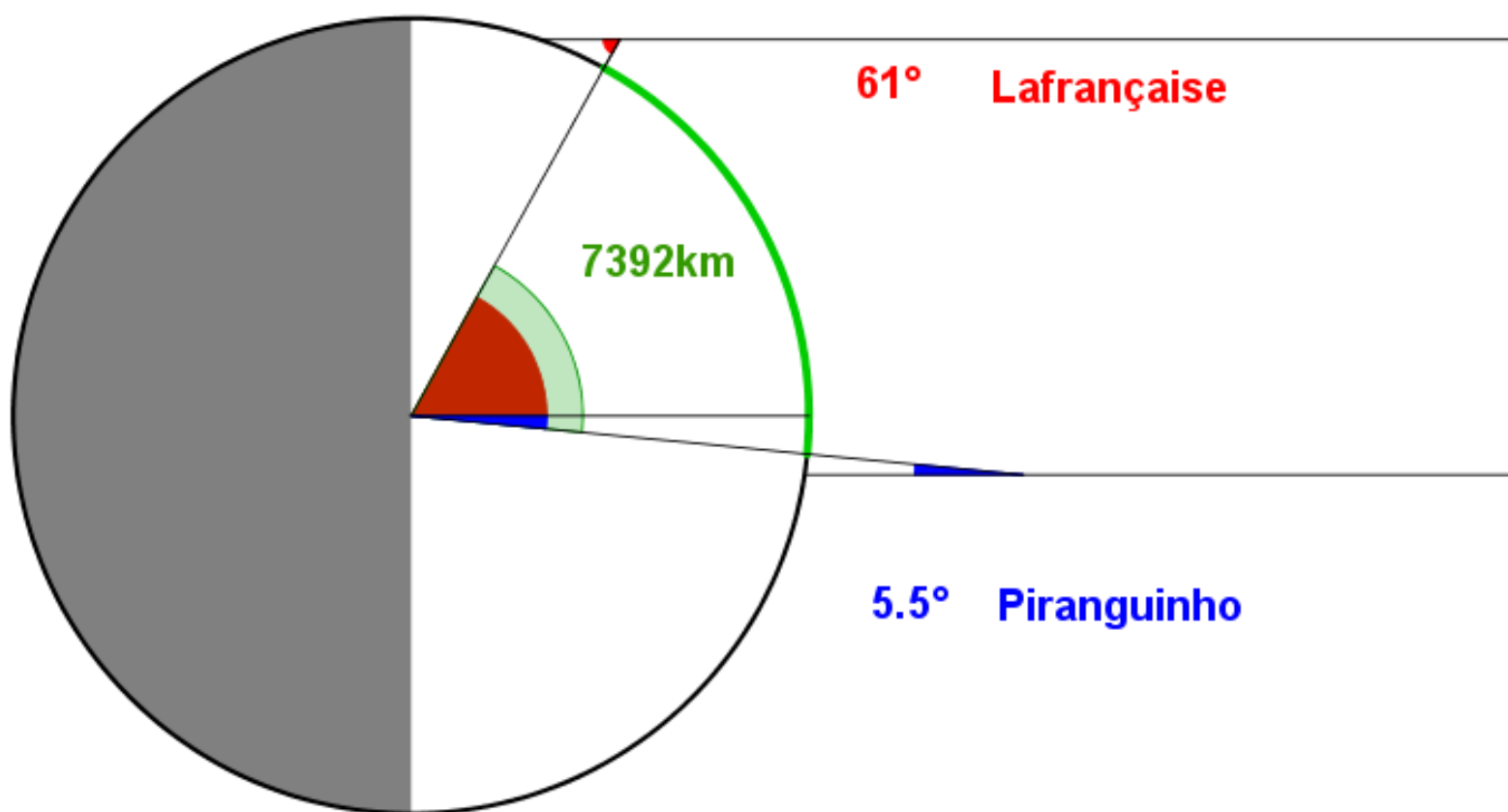


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Piranguinho	Brazil	Universidade Federal de Itajubá	-22.411	-45.535

Date	Gnomon	Shadow	Angle
01/02/2018	70 cm	-6.7 cm	-5.5 °
02/02/2018	70 cm	-6.6 cm	-5.4 °
06/02/2018	70 cm	-9 cm	-7.3 °
07/02/2018	70 cm	-8.2 cm	-6.7 °
09/02/2018	70 cm	-10.8 cm	-8.8 °
12/02/2018	70 cm	-11.4 cm	-9.2 °
19/02/2018	70 cm	-12.9 cm	-10.4 °
20/02/2018	70 cm	-14 cm	-11.3 °

01/02/2018 (Lafrançaïse-France) Latitude: 44.127°

01/02/2018 (Piranguinho-Brazil) Latitude: -22.411°



$$\text{circumference} = \frac{360^\circ \times 7392\text{km}}{61^\circ + 5.5^\circ} = 40017 \text{ km}$$



Rio de Janeiro CENOM, Brazil

February 2018

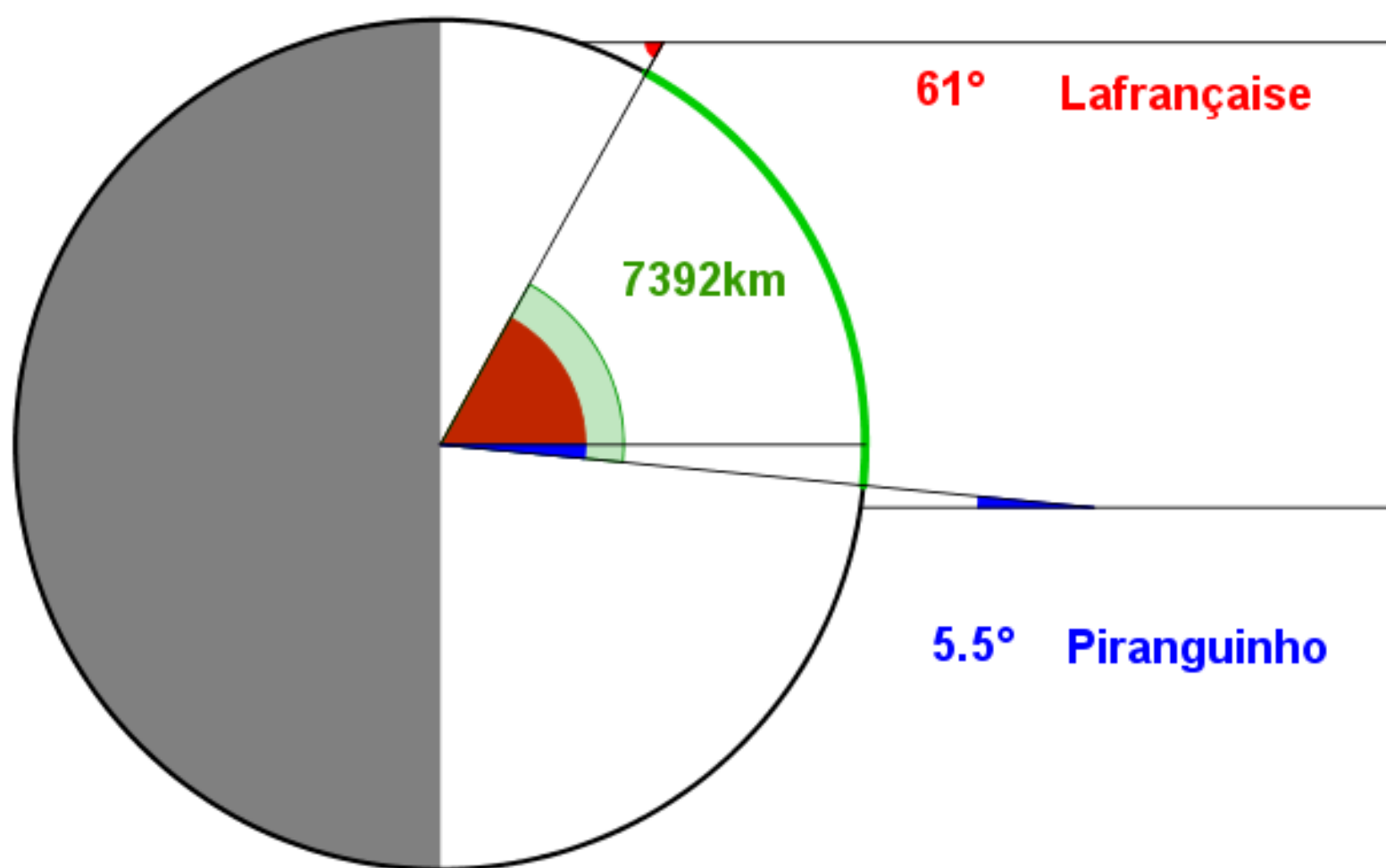


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.89	-43.317

Date	Gnomon	Shadow	Angle
01/02/2018	100 cm	-8 cm	-4.6 °
02/02/2018	30 cm	-1 cm	-1.9 °
19/02/2018	30 cm	-4 cm	-7.6 °
20/02/2018	30 cm	-4 cm	-7.6 °

01/02/2018 (Lafranaise-France) Latitude: 44.127°

01/02/2018 (Piranguinho-Brazil) Latitude: -22.411°



$$\text{circumference} = \frac{360^\circ \times 7392\text{km}}{61^\circ + 5.5^\circ} = 40017 \text{ km}$$



