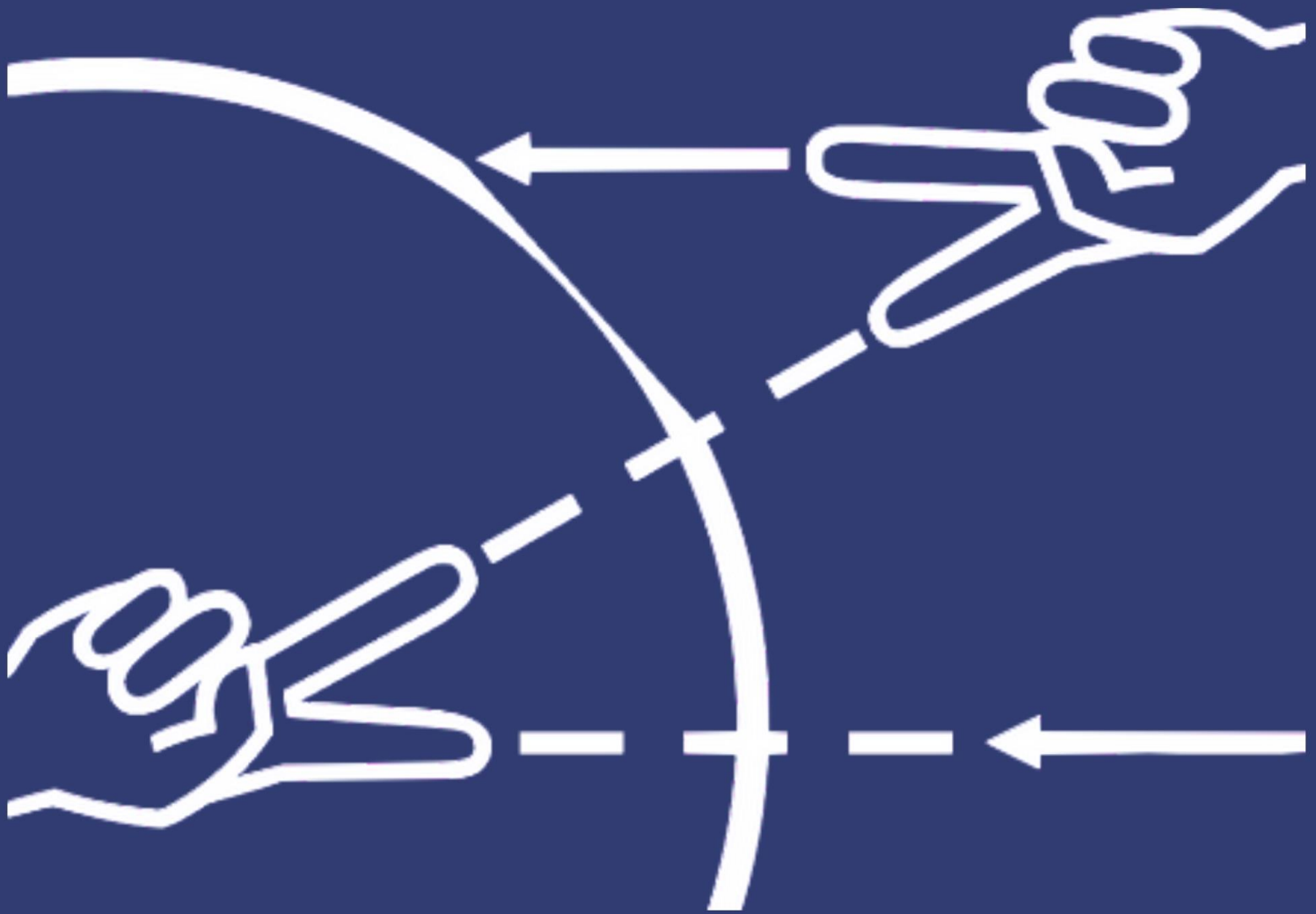


Eratosthenes



June 2016

4^{Continents}

15^{Countries}

32^{Schools}

70^{Measures}

ARGENTINA (3)

Anisacate, José de la Quintana, Chivilcoy

BRAZIL (2)

Rio de Janeiro, Niterói

CHINA (1)

Shenzhen

CROATIA (3)

Brštanovo, Donji Muć, Neoric

FRANCE (2)

Lafrançaise, Eleu dit Leauwette

GREECE (7)

Athens-Acropolis, Athens-Agion-Anargyron, Krokos,
Ioannina, Petroupoli, Piraeus, Pylos,

ITALY (1)

Marina di Carrara

INDIA (4)

Bhuj, Mumbai, Hyderabad, Yamunanagar

MALAYSIA (1)

Kuantan

ROMANIA (1)

Busteni

SERBIA (1)

Niš

TAIWAN (1)

Kaohsiung

TUNISIA (3)

Ben Arous,, Sfax, Tunis

VIETNAM (1)

Hô Chi Minh City

SPAIN (1)

Úbeda


ASIA

Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Kuantan	Malaysia	SMK St Thomas	3.817	103.333
	Bhuj - Gujrat	India	Kutch Amateur Astronomers Club	23.233	69.667
	Hyderabad	India	Space Adhyaan	17.385	78.487
	Mumbai	India	Marwari Vidyalaya High School	18.957	72.818
	Yamunanagar	India	C V Raman Science Club	30.117	77.250
	HôChiMinhCity	Vietnam	Lawrence S. Ting School	10.722	106.710
	Kaohsiung	Taiwan	鳳西國中 FXM	22.621	120.354
	Shenzhen	China	荔園小學南校區	22.549	114.092

Shenzhen, China

June 2016

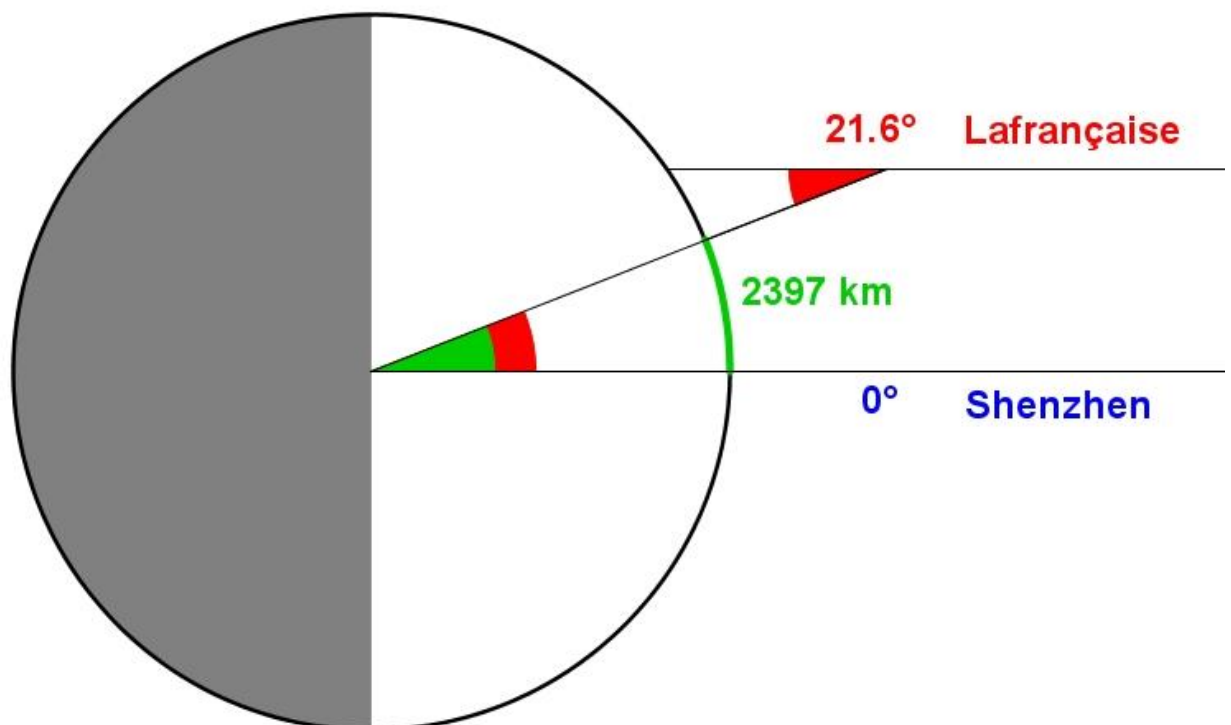


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Shenzhen	China	荔園小學南校區	22.549	114.092

Date	Gnomon	Shadow	Angle
05 June	100cm	0cm	0°
21 June	50cm	0cm	0°

06 June 2016 (Lafrançaise- FRANCE) Latitude 44.127

05 June 2016 (Shenzhen- CHINA) Latitude 22.549




$$\text{circumference} = \frac{360^\circ \times 2397 \text{ km}}{21.6^\circ - 0^\circ} = 39950 \text{ km}$$



Kuantan, Malaysia

June 2016

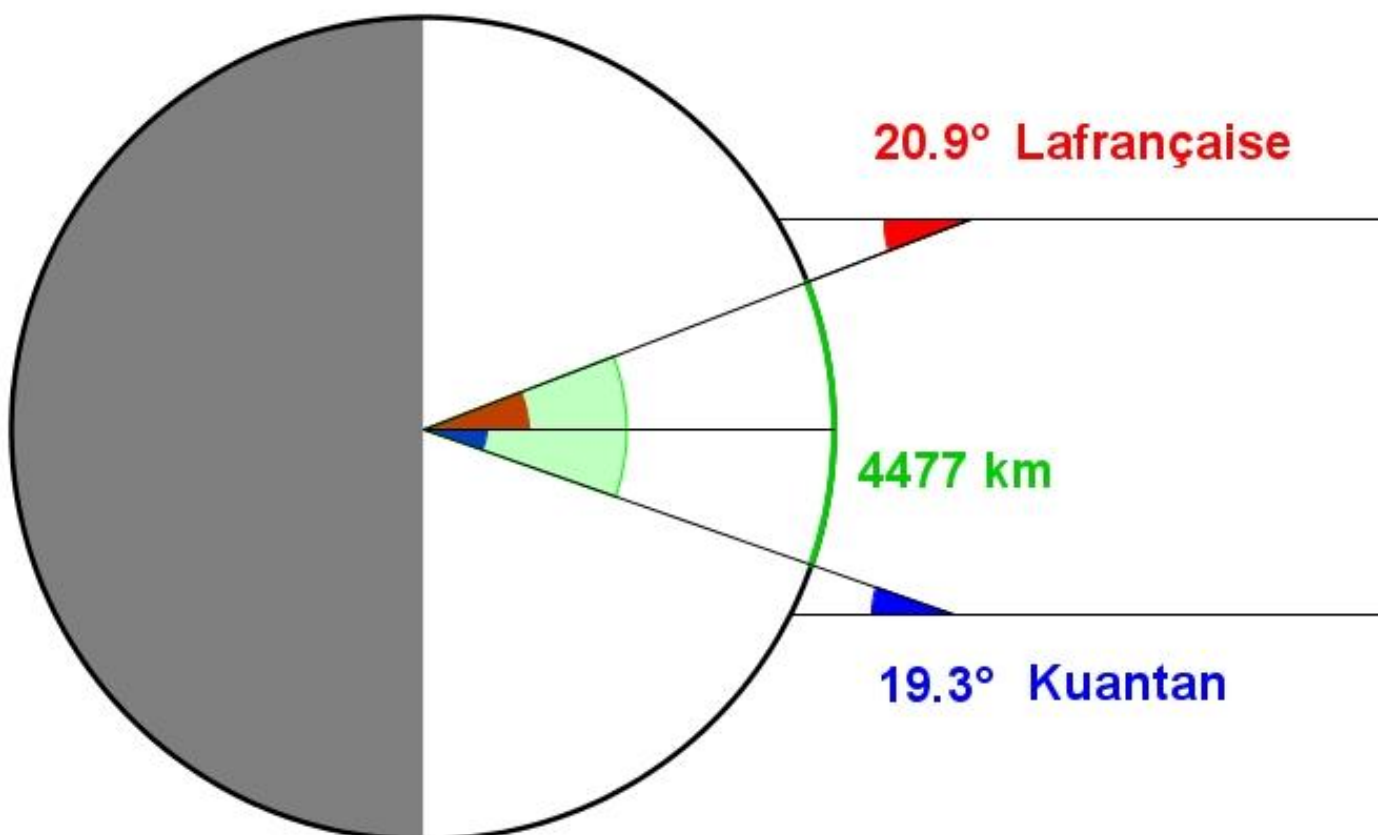


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Kuantan	Malaysia	SMK St Thomas	3.817	103.333

Date	Gnomon	Shadow	Angle
10 June	77.4cm	-28.0cm	-19.9°
12 June	77.4cm	-27.8cm	-19.8°
14 June	70.3cm	-24.6cm	-19.3°
15 June	62cm	-22cm	-19.5°
20 June	62cm	-22cm	-19.5°

14 June 2016 (Lafrançaise-FRANCE) Latitude: 44.127 °

14 June 2016 (Kuantan-MALAYSIA) Latitude: 3.827 °




$$\text{circumference} = \frac{360^\circ \times 4477 \text{ km}}{20.9^\circ + 19.3^\circ} = 40093 \text{ km}$$



Bhuj, India

June 2016

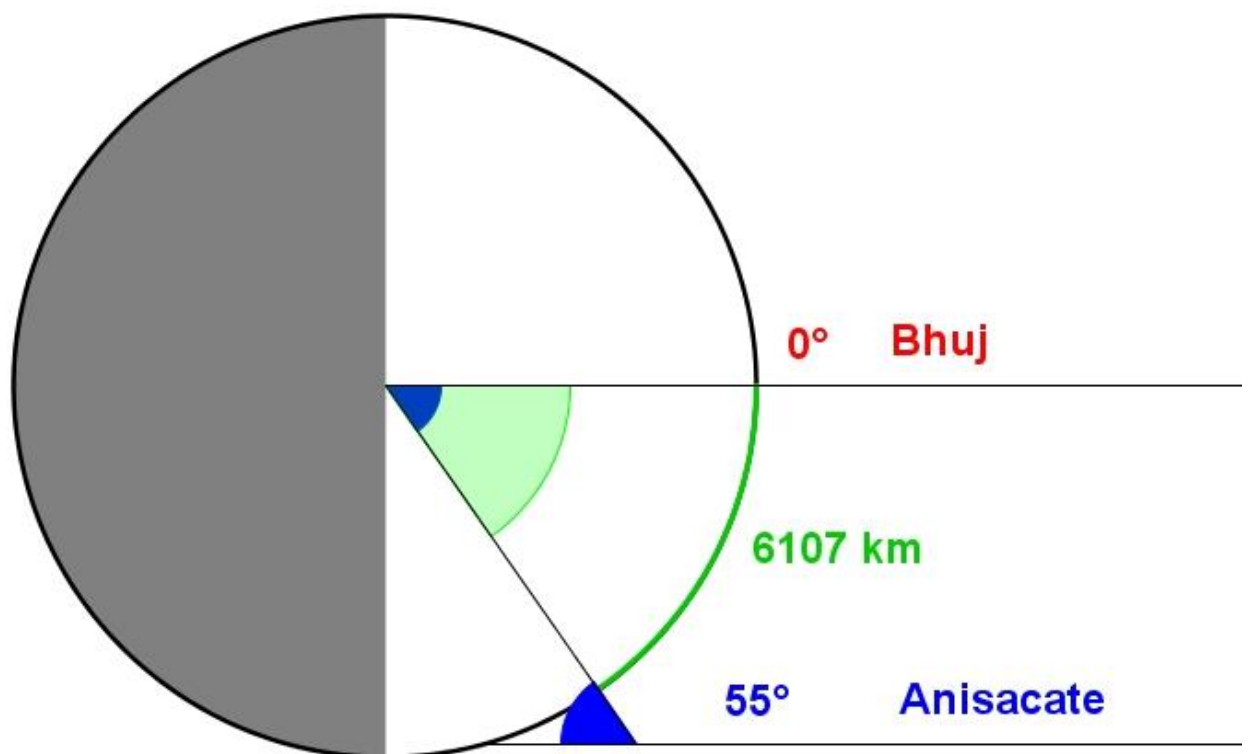


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Bhuj - Gujrat	India	Kutch Amateur Astronomers Club	23.233	69.667

Date	Gnomon	Shadow	Angle
13 June	100cm	0cm	0°

13 June 2016 (Bhuj-INDIA) Latitude: 23.249

13 June 2016 (Anisacate-ARGENTINA) Latitude: -31.717




$$\text{circumference} = \frac{360^\circ \times 6107 \text{ km}}{0^\circ + 55^\circ} = 39973 \text{ km}$$



Hyderabad, India

June 2016

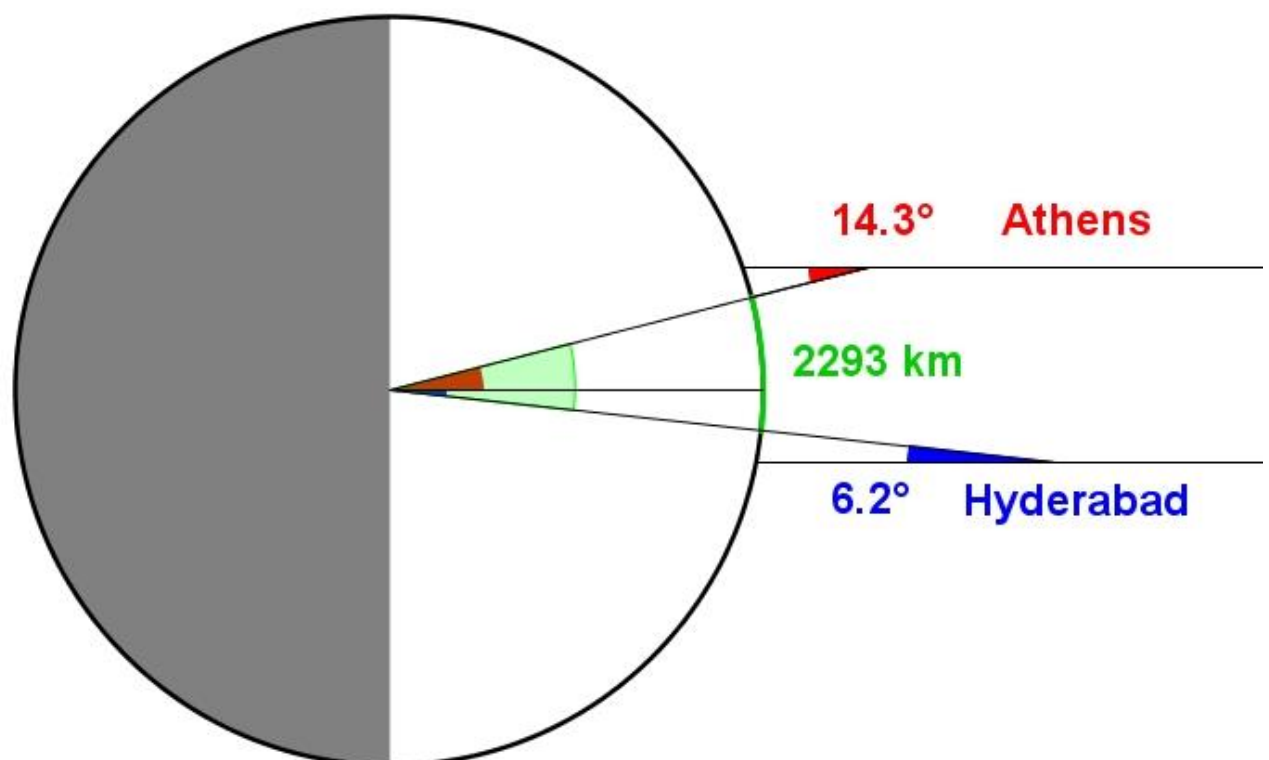


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Hyderabad	India	Space Adhyaan	17.385	78.487

Date	Gnomon	Shadow	Angle
15 June	18.5cm	-2cm	-6.2°

15 June 2016 (Athens-GREECE) Latitude: 38.027

15 June 2016 (Hyderabad-INDIA) Latitude: 17.385




$$\text{circumference} = \frac{360^\circ \times 2293 \text{ km}}{14.3^\circ + 6.2^\circ} = 40267 \text{ km}$$



Mumbai, India

June 2016

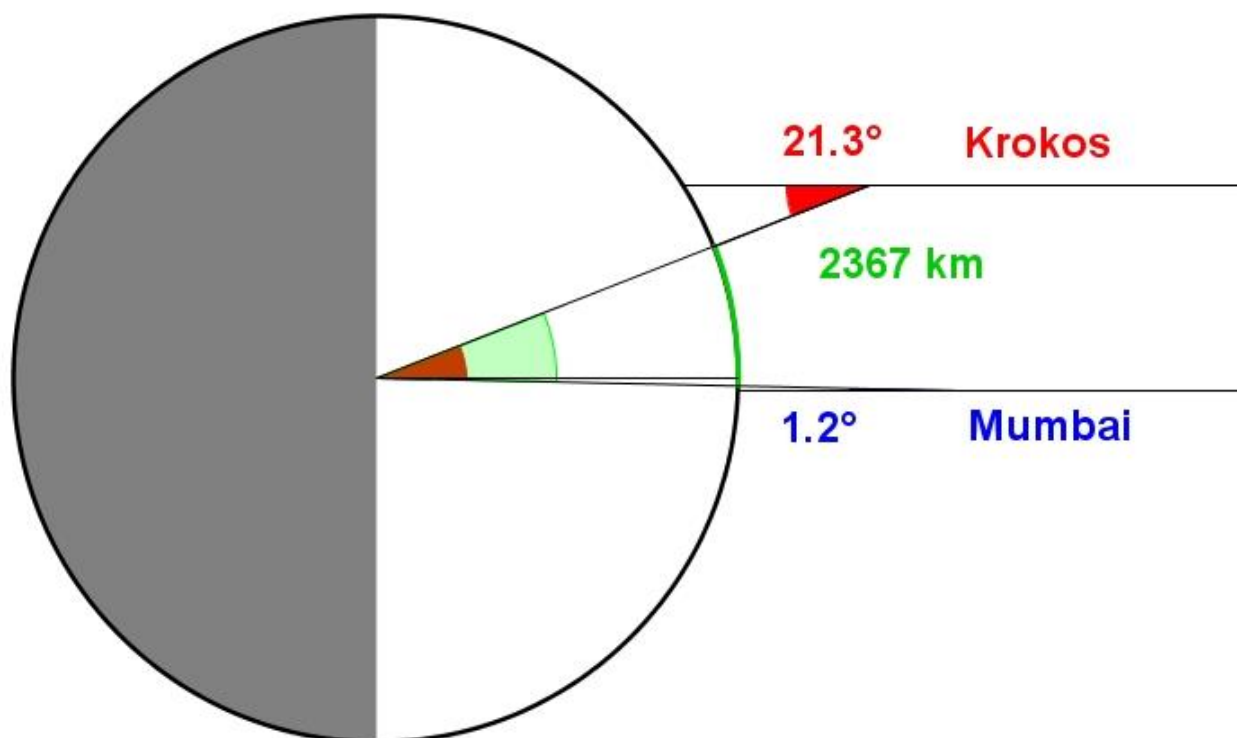


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Mumbai	India	Marwari Vidyalaya High School	18.957	72.818

Date	Gnomon	Shadow	Angle
21 June	82.5cm	-1.8cm	-1.2°

21 June 2016 (Krokos-GREECE) Latitude: 40.265

21 June 2016 (Mumbai-INDIA) Latitude: -18.957



$$\text{circumference} = \frac{360^\circ \times 2367 \text{ km}}{21.3^\circ + 1.2^\circ} = 37872 \text{ km}$$



Yamunanagar cv Raman, India

June 2016

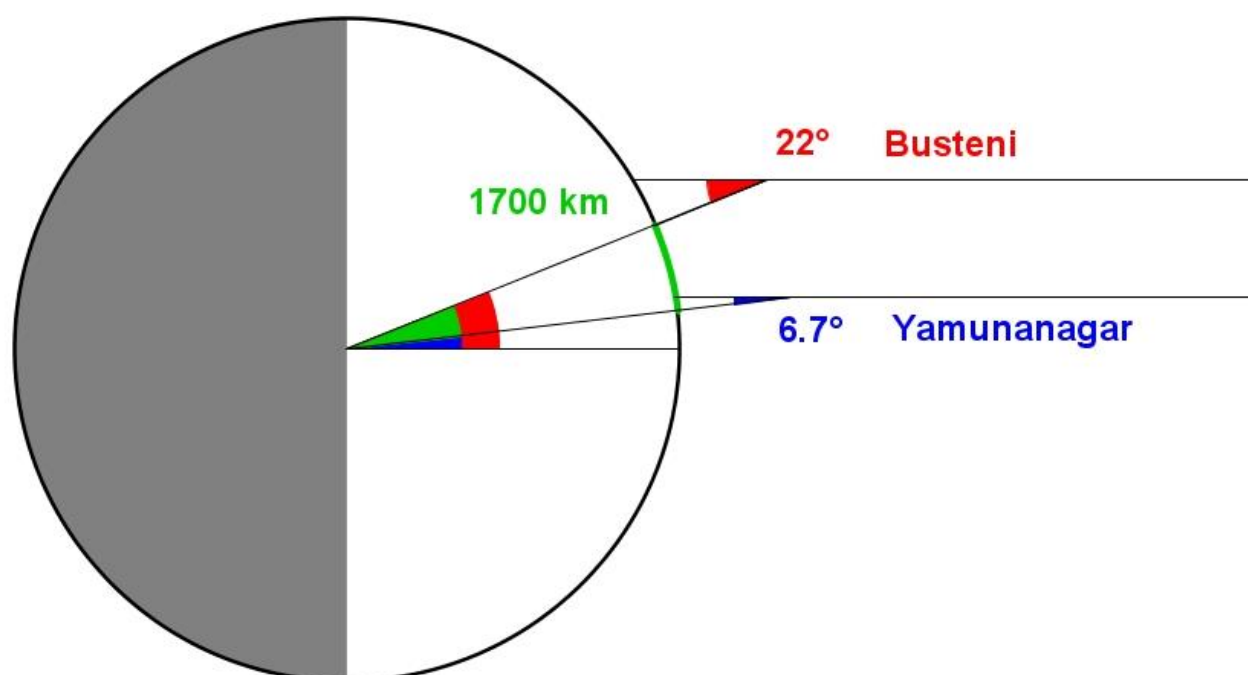


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Yamunanagar	India	C V Raman Science Club	30.117	77.250

Date	Gnomon	Shadow	Angle
21 June	72.5cm	8.5cm	6.7°

21 June 2016 (Busteni- ROMANIA) Latitude 45.416

21 June 2016 (Yamunanagar- INDIA) Latitude 30.117




$$\text{circumference} = \frac{360^\circ \times 1700 \text{ km}}{22^\circ - 6.7^\circ} = 40000 \text{ km}$$



Kaohsiung FXM, Taiwan

June 2016



Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Kaohsiung	Taiwan	鳳西國中 FXM	22.621	120.354

Date	Gnomon	Shadow	Angle
..	..cm	..cm	..°





Hồ Chí Minh City LSTS, Vietnam

June 2016

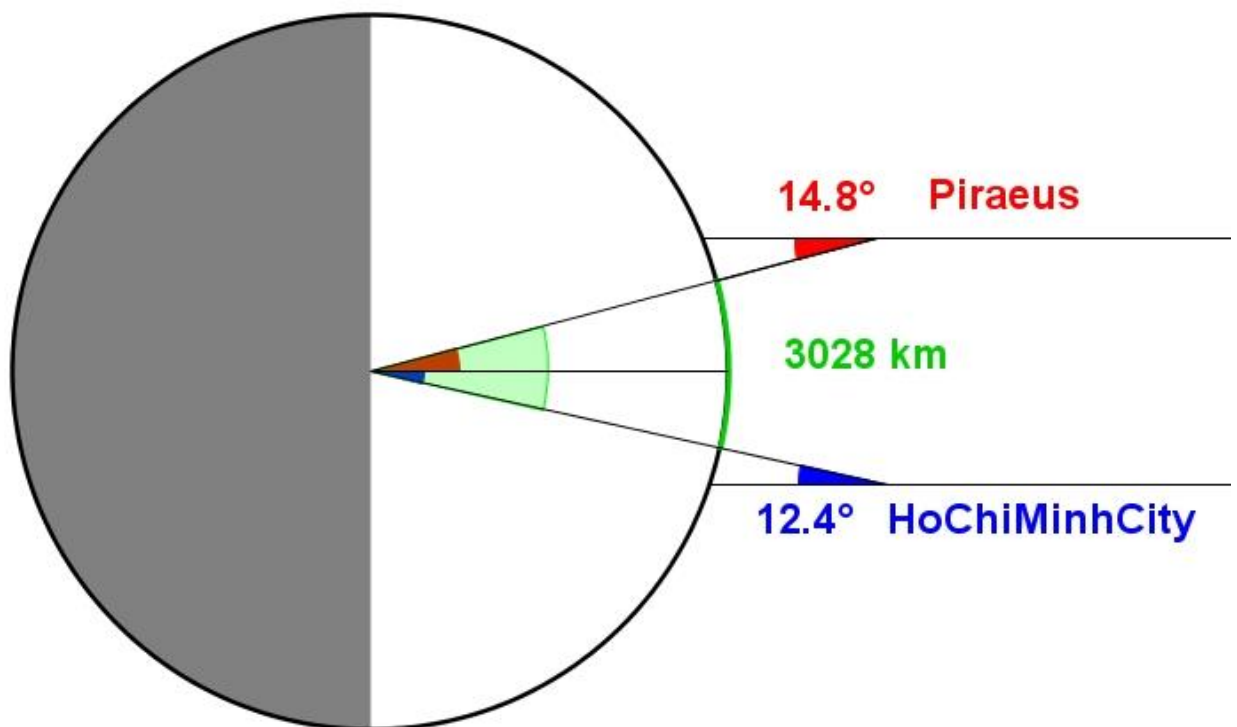


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	HồChiMinhCity	Vietnam	Lawrence S.Ting School	10.722	106.710

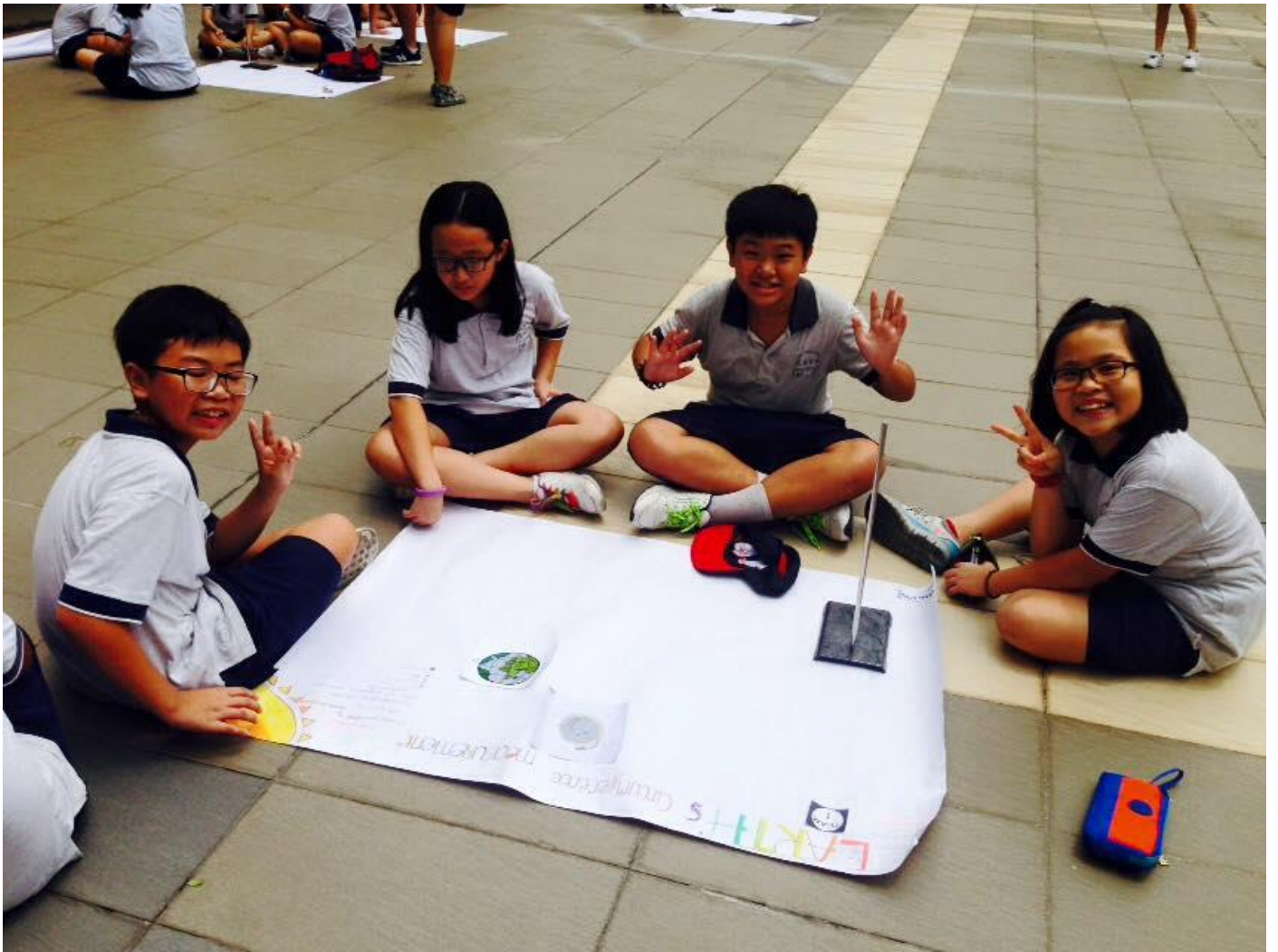
Date	Gnomon	Shadow	Angle
21 June	50cm	-11cm	-12.4°

21 June 2016 (Piraeus-GREECE) Latitude: 37.977

21 June 2016 (HoChiMinhCity-VIETNAM) Latitude: -10.722



$$\text{circumference} = \frac{360^\circ \times 3028 \text{ km}}{14.8^\circ + 12.4^\circ} = 40076 \text{ km}$$



AMERICA

Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Anisacate	Argentina	Fundación Caminos de Anisacate	-31.717	-64.400
	Chivilcoy	Argentina	Parque Cielos del Sur	-34.911	-60.014
	José de la Quintana	Argentina	I.P.E.T. N° 265 "Escuela de Minería"	-31.804	-64.414
	Niterói	Brazil	Horto Florestal Do Fonseca	-22.882	-43.091
	Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317

Anisacate, Argentina

June 2016

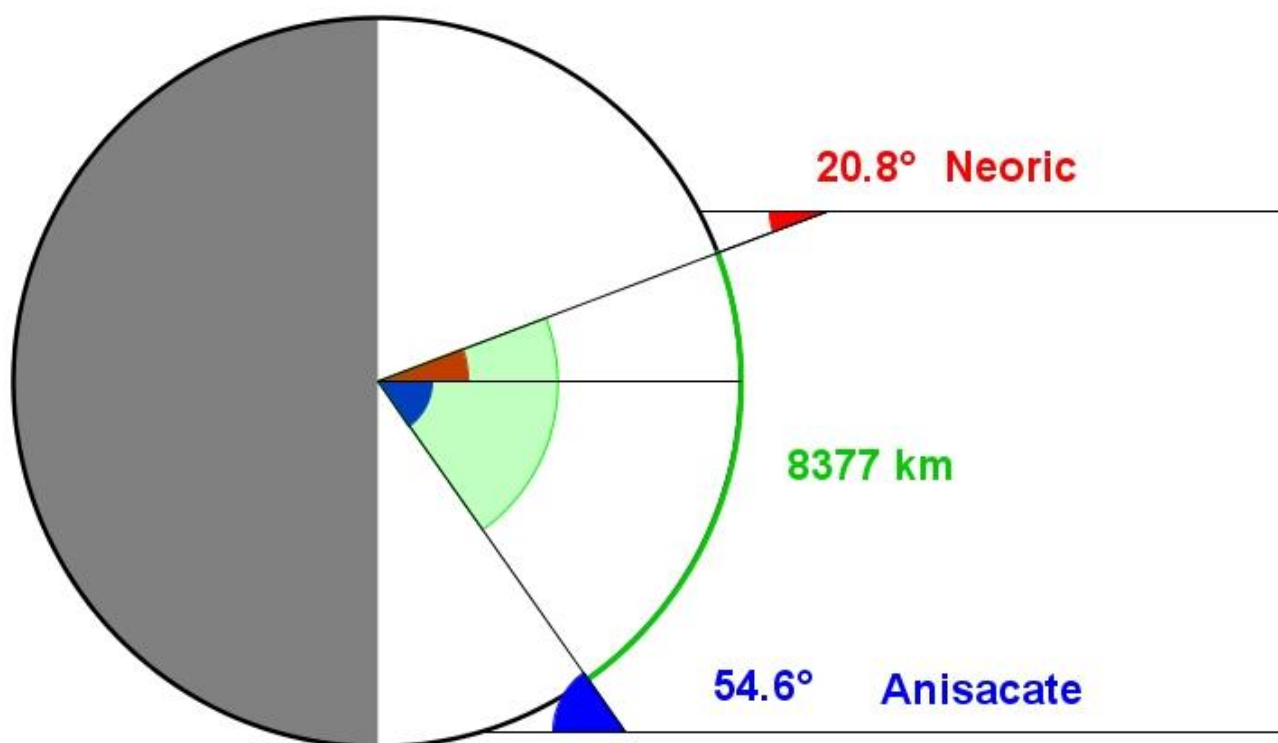


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Anisacate	Argentina	Fundación Caminos de Anisacate	-31.717	-64.400

Date	Gnomon	Shadow	Angle
06 June	100cm	-140cm	-54.5°
08 June	100cm	-140.9cm	-54.6°
09 June	100cm	-142cm	-54.8°
11 June	100cm	-142.3cm	-54.9°
12 June	100cm	-142.4cm	-54.9°
13 June	100cm	-143cm	-55.0°
14 June	100cm	-143.2cm	-55.1°
17 June	100cm	-144cm	-55.2°
18 June	100cm	-144cm	-55.2°
19 June	100cm	-143.9cm	-55.2°
20 June	100cm	-144cm	-55.2°
21 June	100cm	-143.9cm	-55.2°

08 June 2016 (Neoric-CROATIA) Latitude: 43.686

08 June 2016 (Anisacate-ARGENTINA) Latitude: -31.717




$$\text{circumference} = \frac{360^\circ \times 8377 \text{ km}}{20.8^\circ + 54.6^\circ} = 39996 \text{ km}$$



Chivilcoy, Argentina

June 2016

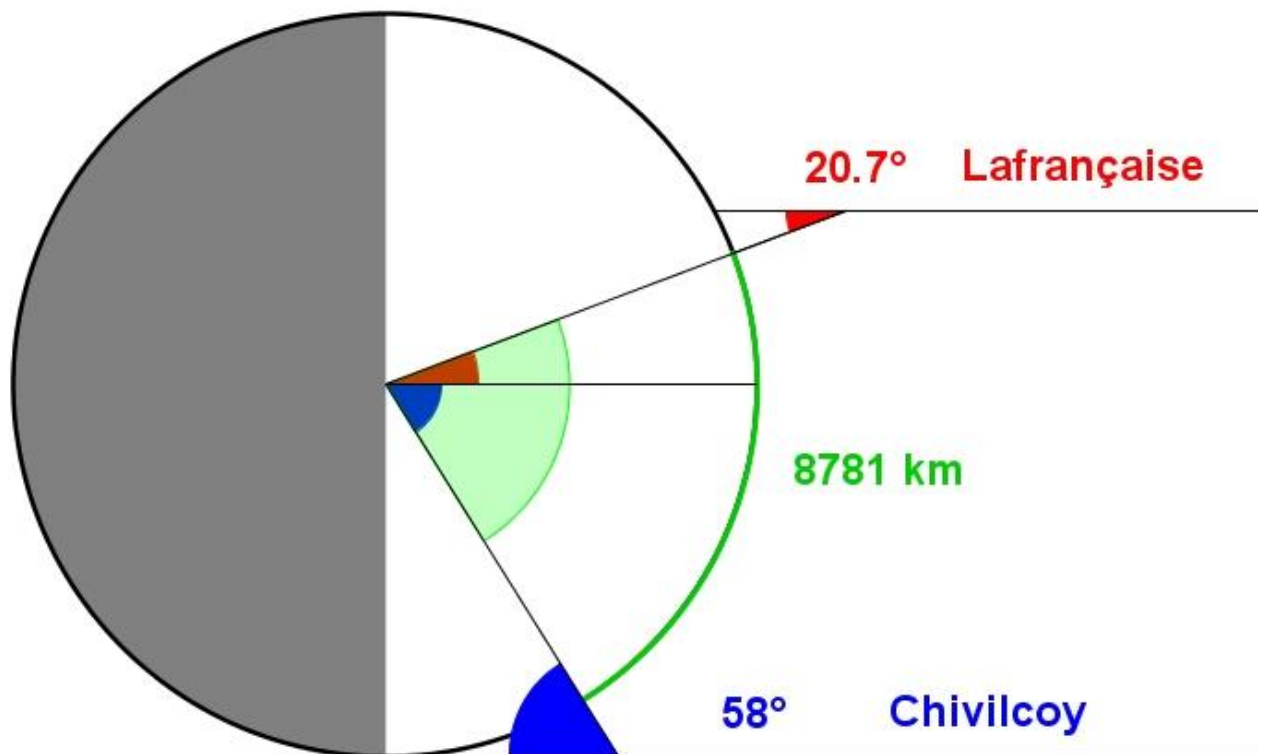


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Chivilcoy	Argentina	Parque Cielos del Sur	-34.911	-60.014

Date	Gnomon	Shadow	Angle
20 June	12.5cm	-20cm	-58.0°

20 June 2016 (Lafrançaise-FRANCE) Latitude: 44.127

20 June 2016 (Chivilcoy-ARGENTINA) Latitude: -34.911



$$\text{circumference} = \frac{360^\circ \times 8781 \text{ km}}{20.7^\circ + 58^\circ} = 40167 \text{ km}$$



José de la Quintana, Argentina

June 2016

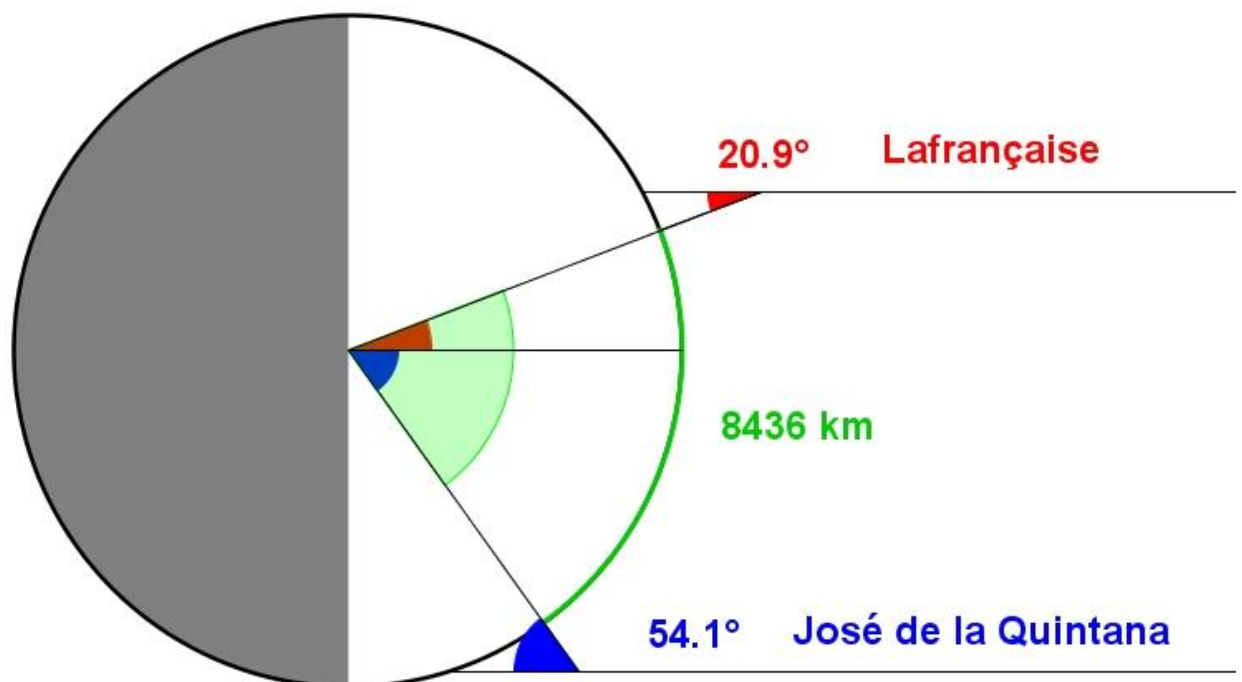


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	José de la Quintana	Argentina	I.P.E.T. N° 265 "Escuela de Minería"	-31.804	-64.414

Date	Gnomon	Shadow	Angle
16 June	99cm	-137cm	-54.1°

16 June 2016 (Lafrançaise-FRANCE) Latitude: 44.127

16 June 2016 (José de la Quintana-ARGENTINA) Latitude: -31.804



$$\text{circumference} = \frac{360^\circ \times 8436 \text{ km}}{20.9^\circ + 54.1^\circ} = 40493 \text{ km}$$



Niterói, Brazil

June 2016

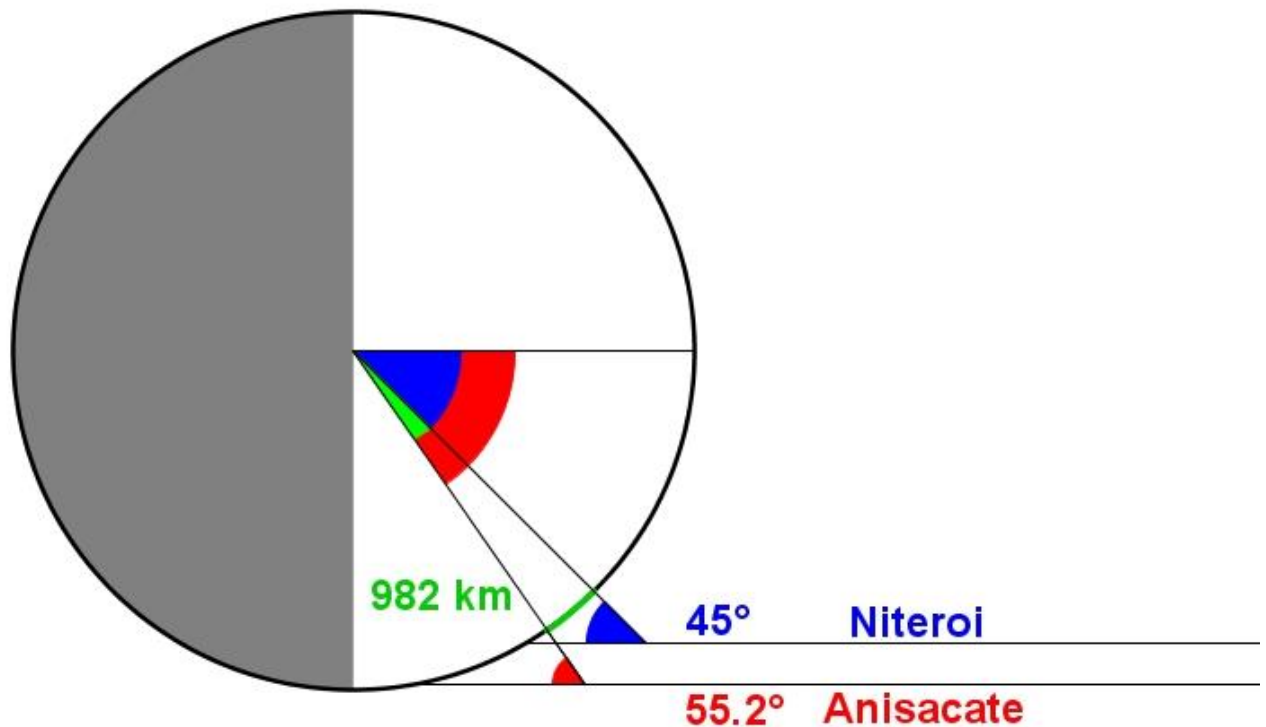


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Niterói	Brazil	Horto Florestal Do Fonseca	-22.882	-43.091

Date	Gnomon	Shadow	Angle
19 June	78cm	-78cm	-45°

19 June 2016 (Anisacate-ARGENTINA) Latitude: -31.717°S

19 June 2016 (Niteroi-BRAZIL) Latitude: -22.882°N



$$\text{circumference} = \frac{360^\circ \times 982 \text{ km}}{55.2^\circ - 45^\circ} = 34659 \text{ km}$$



Rio de Janeiro CENOM, Brazil

June 2016

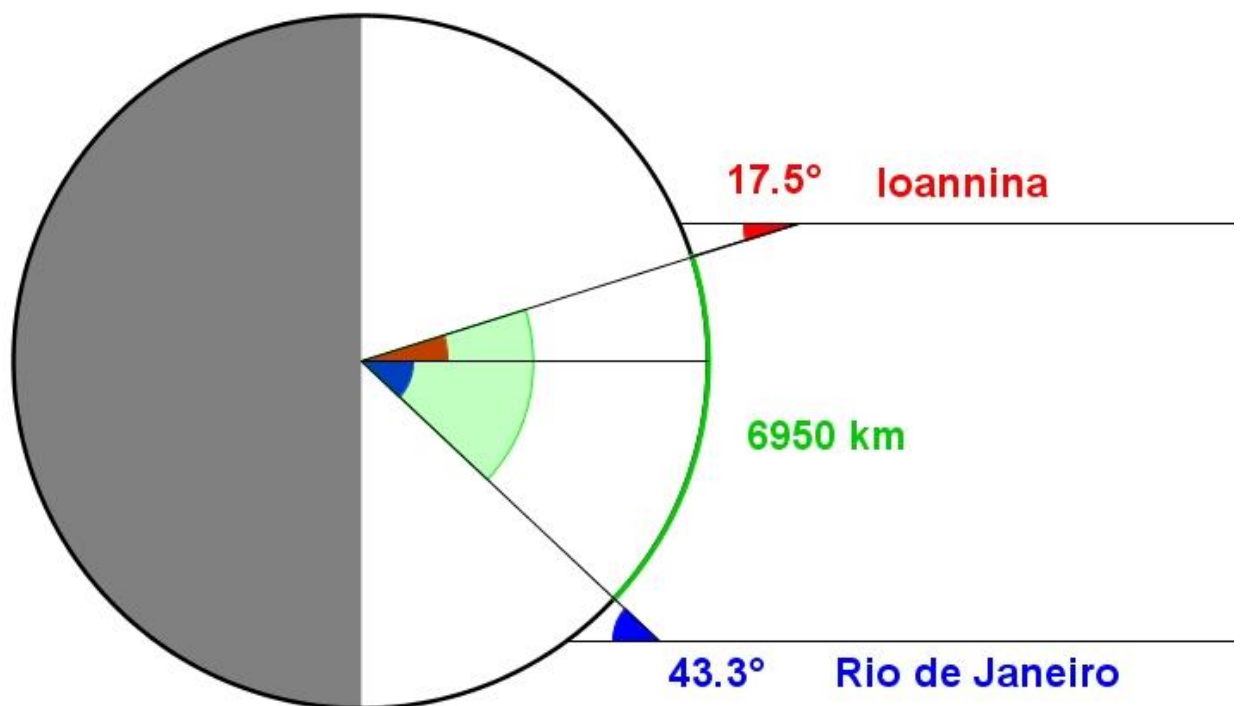


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317

Date	Gnomon	Shadow	Angle
01 June	89cm	-84cm	-43.3°
03 June	89cm	-84cm	-43.3°
06 June	89cm	-84cm	-43.3°
14 June	89cm	-84cm	-43.3°
15 June	89cm	-85cm	-43.7°
17 June	89cm	-87cm	-44.3°

1 June 2016 (Ioannina-GREECE) Latitude: 39.667



1 June 2016 (Rio de Janeiro-BRAZIL) Latitude: -22.89



$$\text{circumference} = \frac{360^\circ \times 6950 \text{ km}}{17.5^\circ + 43.3^\circ} = 41151 \text{ km}$$




AFRICA

Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Ben Arous	Tunisia	College Ben Arous	36.750	10.222
	Sfax	Tunisia	école de Sakiét Eddayer	34.789	10.780
	Tunis	Tunisia	Cité des Sciences	36.848	10.190

Ben Arous, Tunisia

June 2016

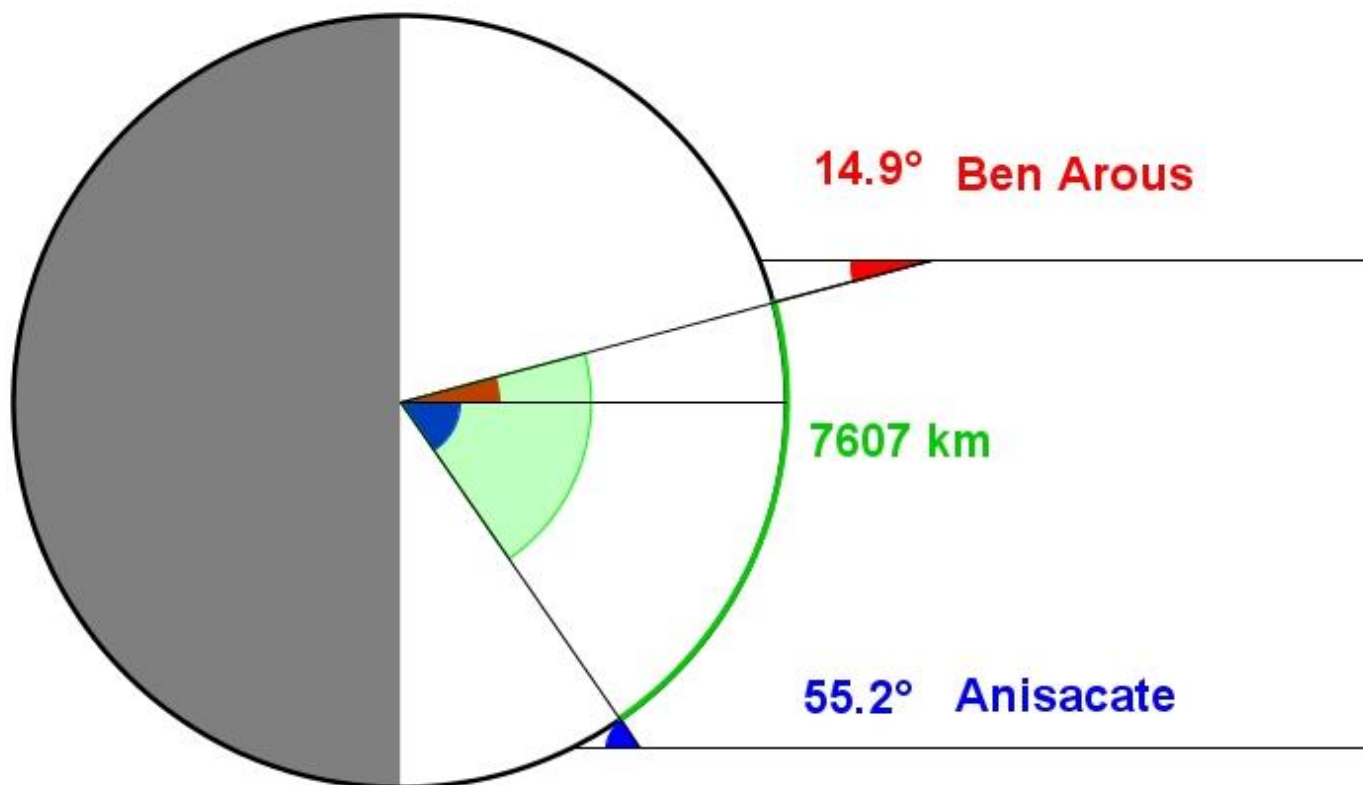


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Ben Arous	Tunisia	College Ben Arous	36.750	10.222

Date	Gnomon	Shadow	Angle
18 June	60cm	16cm	14.9°

18 June 2016 (Ben Arous-TUNISIA) Latitude: 36.75 °

18 June 2016 (Anisacate-ARGENTINA) Latitude: -31.717 °




$$\text{circumference} = \frac{360^\circ \times 7607 \text{ km}}{14.9^\circ + 55.2^\circ} = 39066 \text{ km}$$



Sfax, Tunisia

June 2016

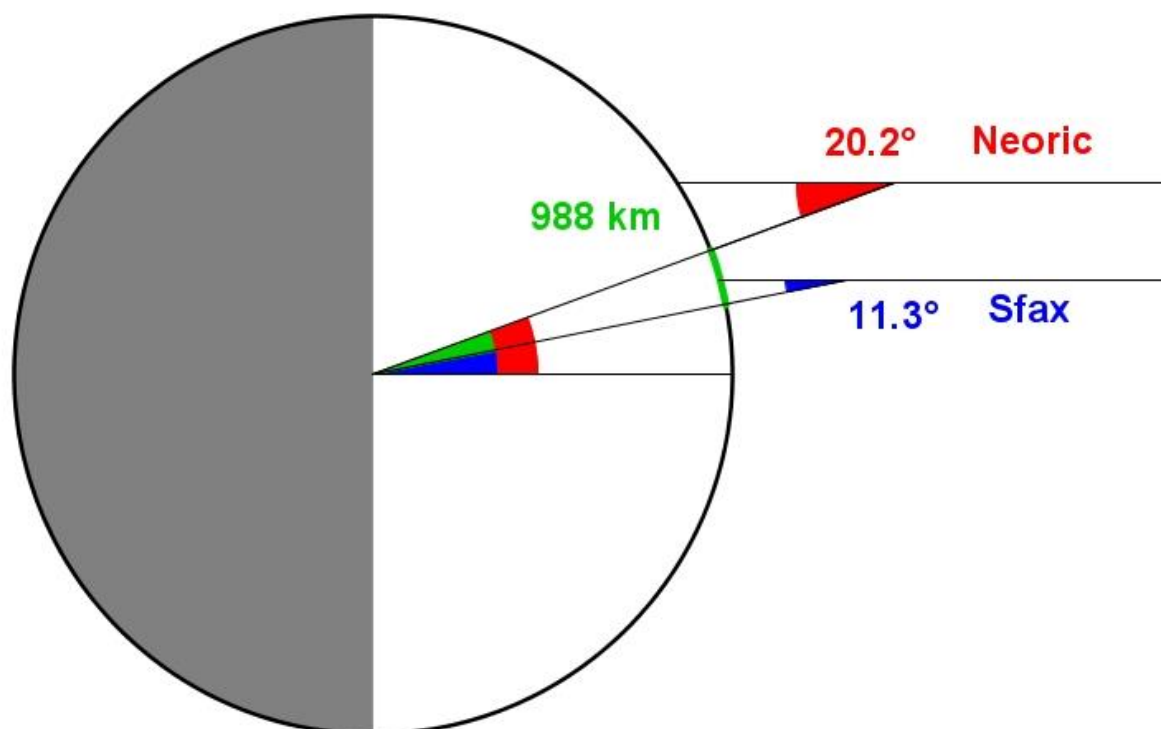


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Sfax	Tunisia	école de Sakiét Eddayer	34.789	10.780

Date	Gnomon	Shadow	Angle
04 June	100cm	20cm	11.3°

06 June 2016 (Neoric- CROATIA) Latitude 43.686

04 June 2016 (Sfax- TUNISIA) Latitude 34.789




$$\text{circumference} = \frac{360^\circ \times 988 \text{ km}}{20.2^\circ - 11.3^\circ} = 39964 \text{ km}$$



Tunis, Tunisia

June 2016

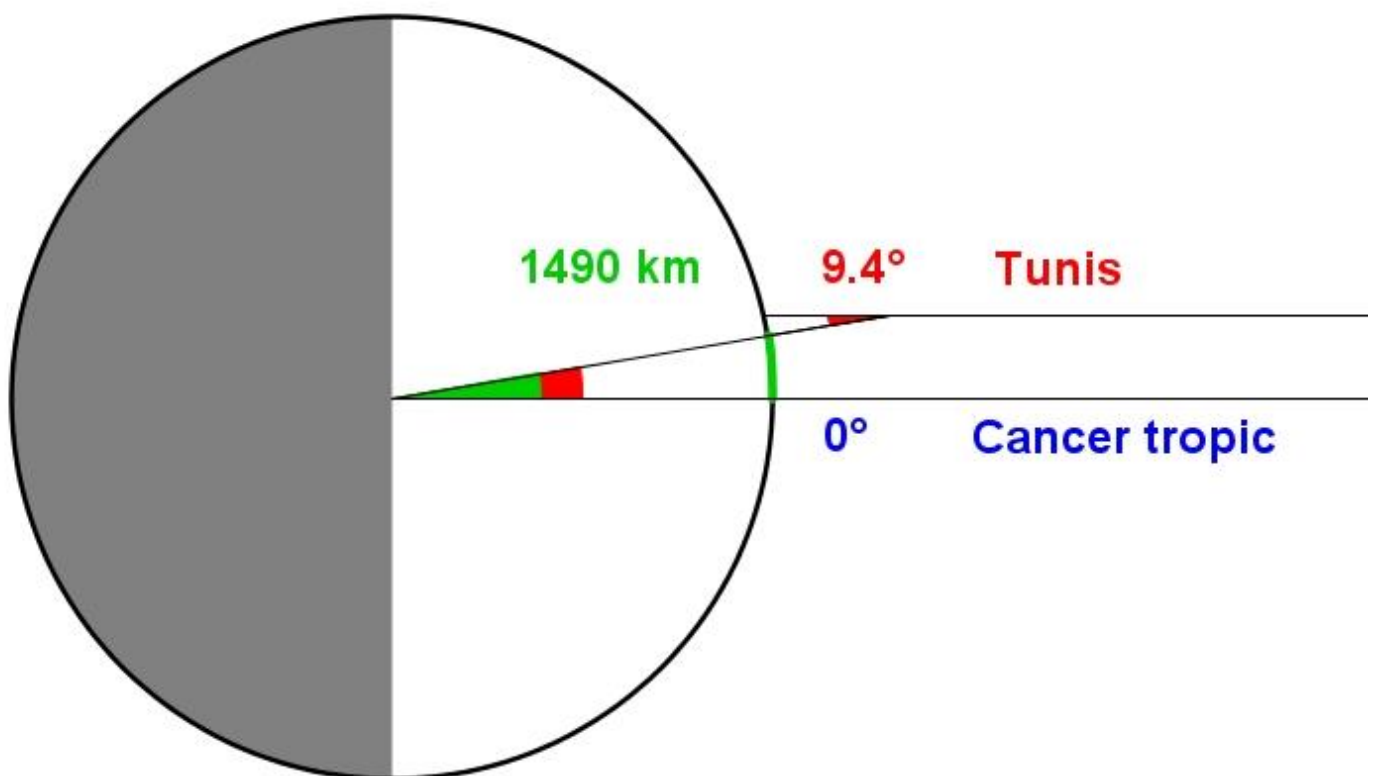


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Tunis	Tunisia	Cité des Sciences	36.848	10.190

Date	Gnomon	Shadow	Angle
26 June	100cm	16.5cm	9.4°

26 June 2016 (Tunis-TUNISIA) Latitude: 36.848°

20 June 2016 (Cancer tropic) Latitude: 23.437°



$$\text{circumference} = \frac{360^\circ \times 1490 \text{ km}}{9.4^\circ - 0^\circ} = 57064 \text{ km}$$




EUROPE

Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Brštanovo	Croatia	Osnovna škola kneza Branimira	43.658	16.415
	Donji Muć	Croatia	oš kneza Branimira	43.694	16.462
	Neoric	Croatia	OŠ Neorić - Sutina	43.686	16.520
	Eleu dit Leauwette	France	Ecole élémentaire Fassiaux	50.421	2.819
	Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237
	Athens	Greece	Experimental College Agion Anargyron	38.027	23.726
	Athens	Greece	Acropolis	37.971	23.727
	Ioannina	Greece	Experimental College	39.666	20.845
	Krokos	Greece	Junior High School of Krokos	40.265	21.815
	Petroupoli	Greece	4o Junior High School	38.036	23.674
	Piraeus	Greece	2nd Junior High School of Korydallos	37.977	23.655
	Pylos	Greece	1st Kindergarten of Pylos	36.911	21.694
	Busteni	Romania	Colegiul Ion Kalinderu	45.416	25.535
	Nis	Serbia	Gimnazija Svetozar Markovic	43.300	21.883
	Úbeda	Spain	Colegio Salesiano Santo Domingo Savio	38.017	-3.367
	Marina di Carrara	Italy	M Buonarroti primary school	44.045	10.031

Athens Acropolis, Greece

June 2016

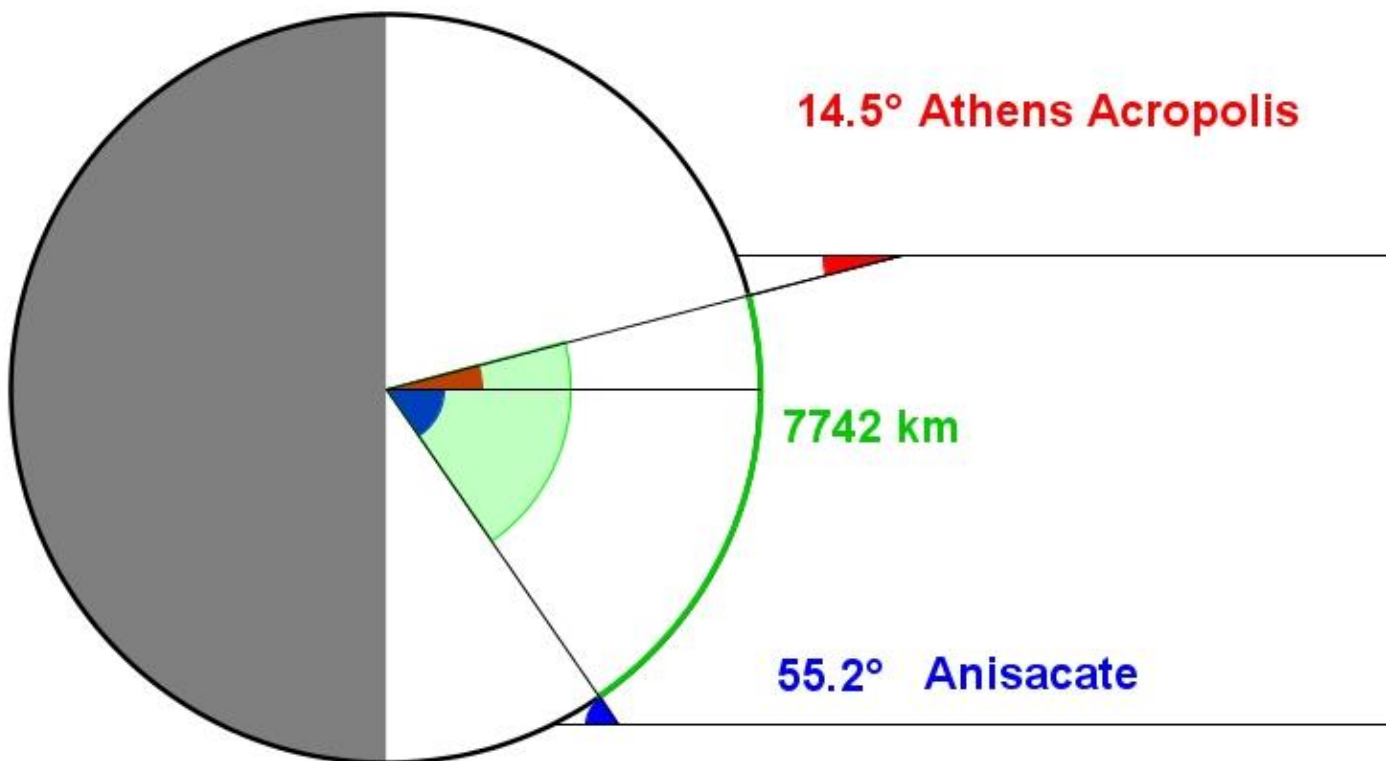


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Athens	Greece	Acropolis	37.971	23.727

Date	Gnomon	Shadow	Angle
17 June	15.5cm	4cm	14.5°

17 June 2016 (Athens Acropolis-GREECE) Latitude: 37.971 °

17 June 2016 (Anisacate-ARGENTINA) Latitude: -31.717 °



$$\text{circumference} = \frac{360^\circ \times 7742 \text{ km}}{14.5^\circ + 55.2^\circ} = 39987 \text{ km}$$



Athens-A, Greece

June 2016

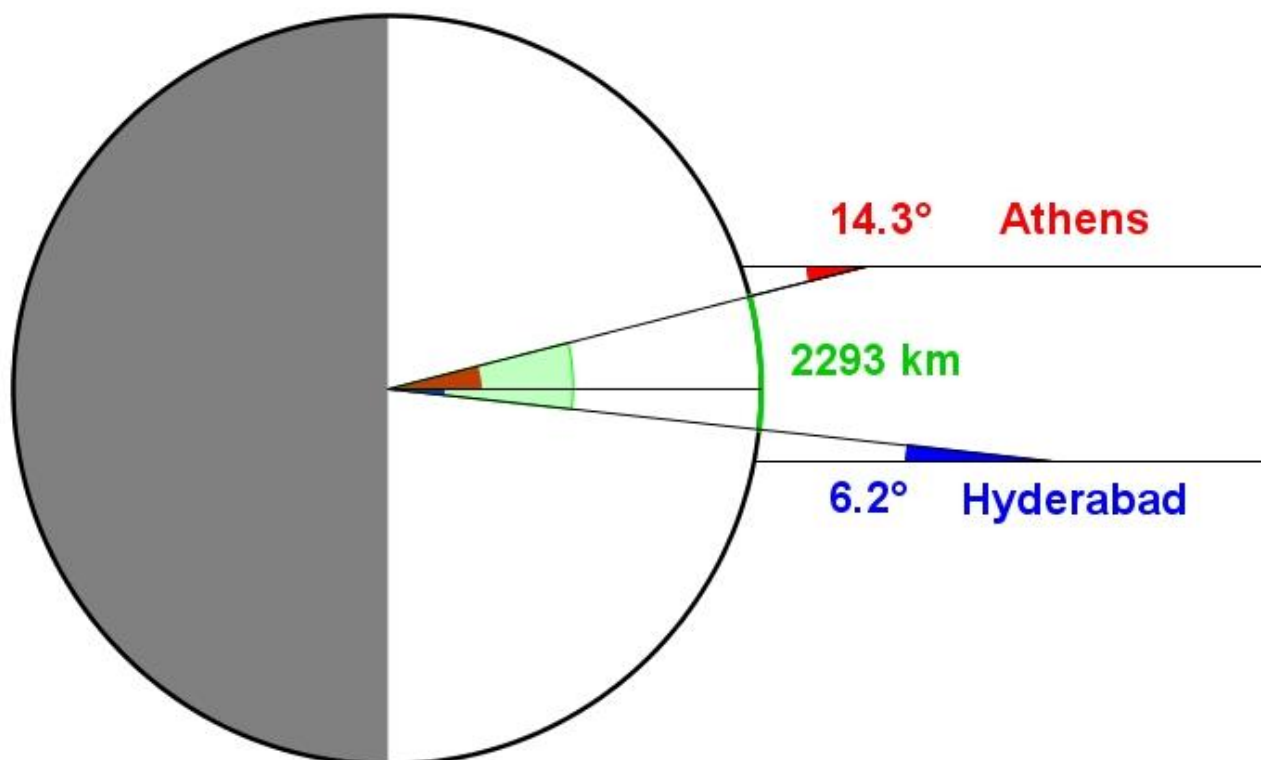


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Athens	Greece	Experimental College Agion Anargyron	38.027	23.726

Date	Gnomon	Shadow	Angle
01 June	49cm	14cm	15.9°
15 June	49cm	12.5cm	14.3°

15 June 2016 (Athens-GREECE) Latitude: 38.027

15 June 2016 (Hyderabad-INDIA) Latitude: 17.385



$$\text{circumference} = \frac{360^\circ \times 2293 \text{ km}}{14.3^\circ + 6.2^\circ} = 40267 \text{ km}$$



Brštanovo, Croatia

June 2016

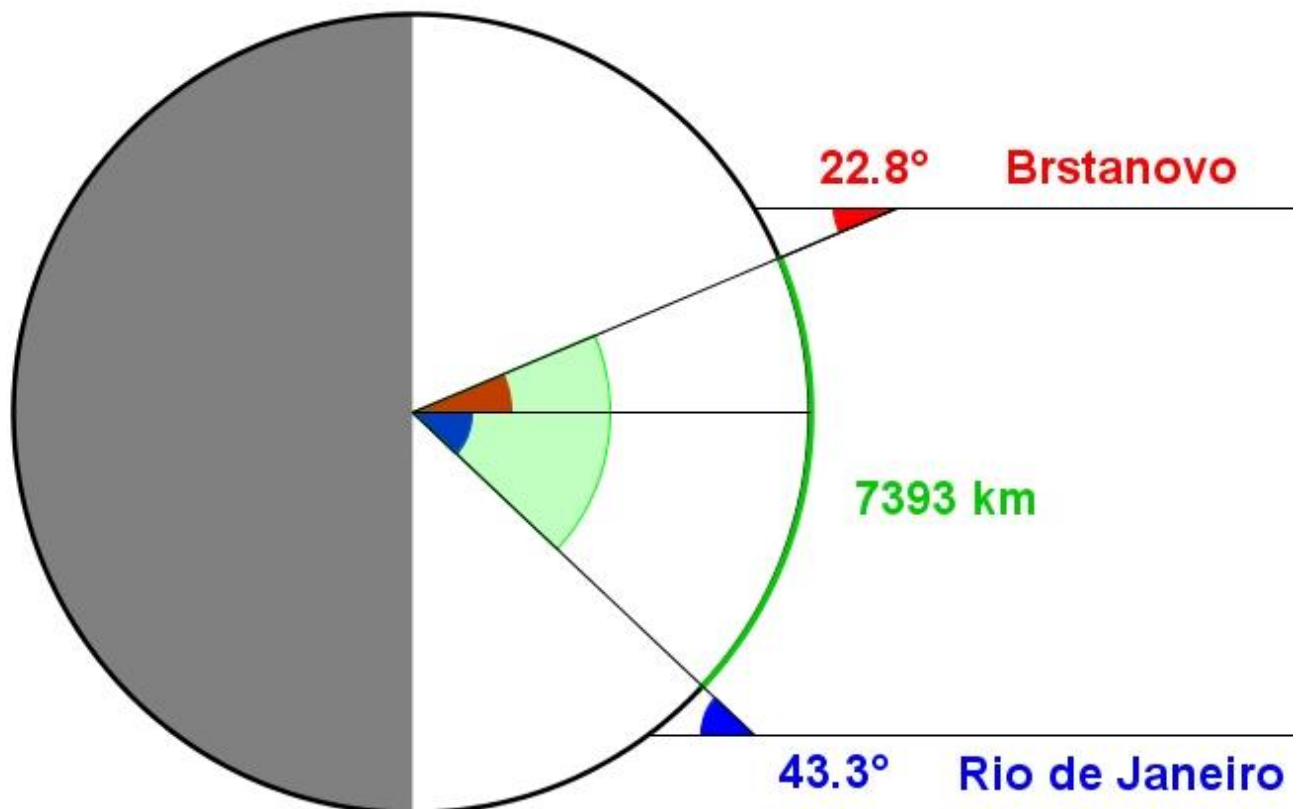


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Brštanovo	Croatia	Osnovna škola kneza Branimira	43.658	16.415

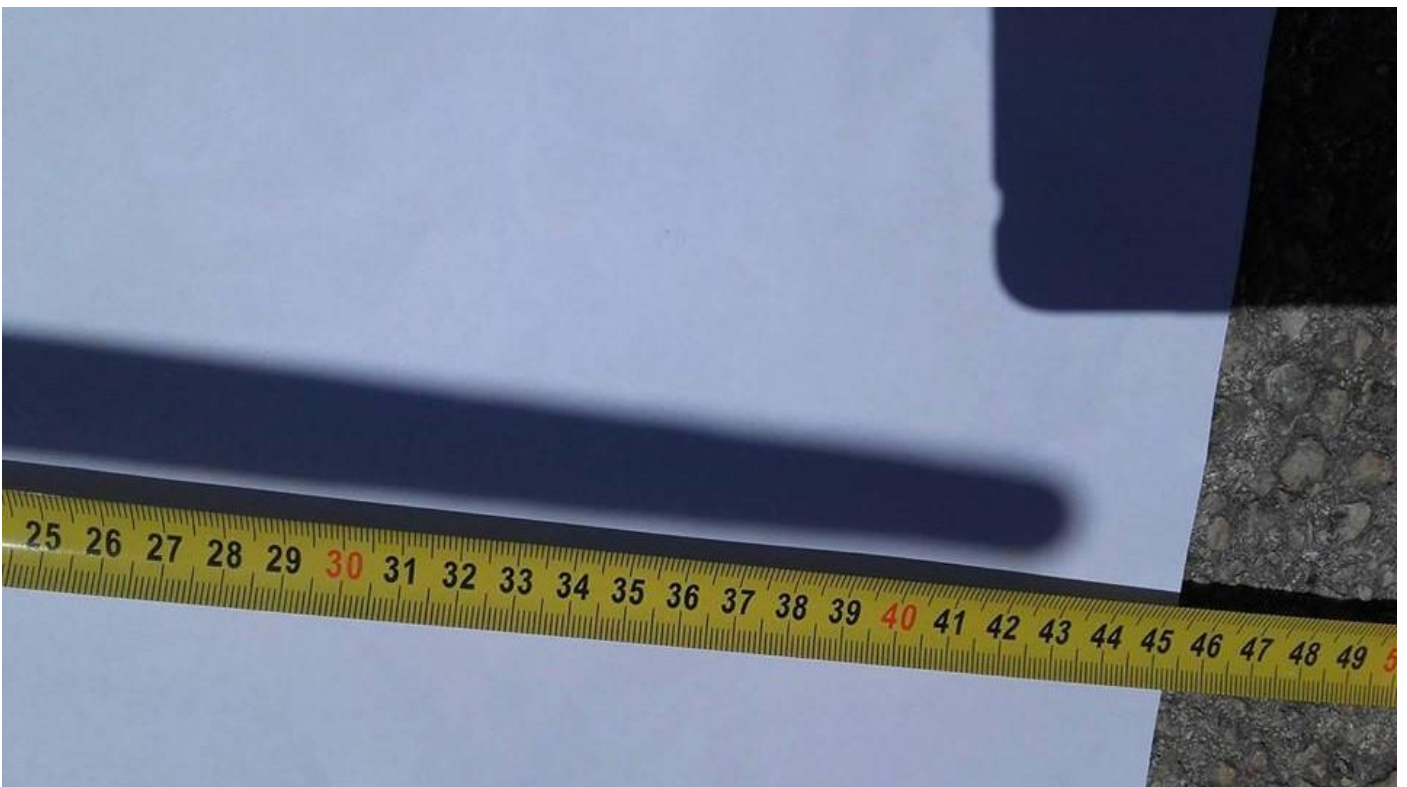
Date	Gnomon	Shadow	Angle
02 June	100cm	42cm	22.8°

02 June 2016 (Brstanovo-CROATIA) Latitude: 43.658

03 June 2016 (Rio de Janeiro-BRAZIL) Latitude: -22.89




$$\text{circumference} = \frac{360^\circ \times 7393 \text{ km}}{22.8^\circ + 43.3^\circ} = 40264 \text{ km}$$



Busteni, Romania

June 2016

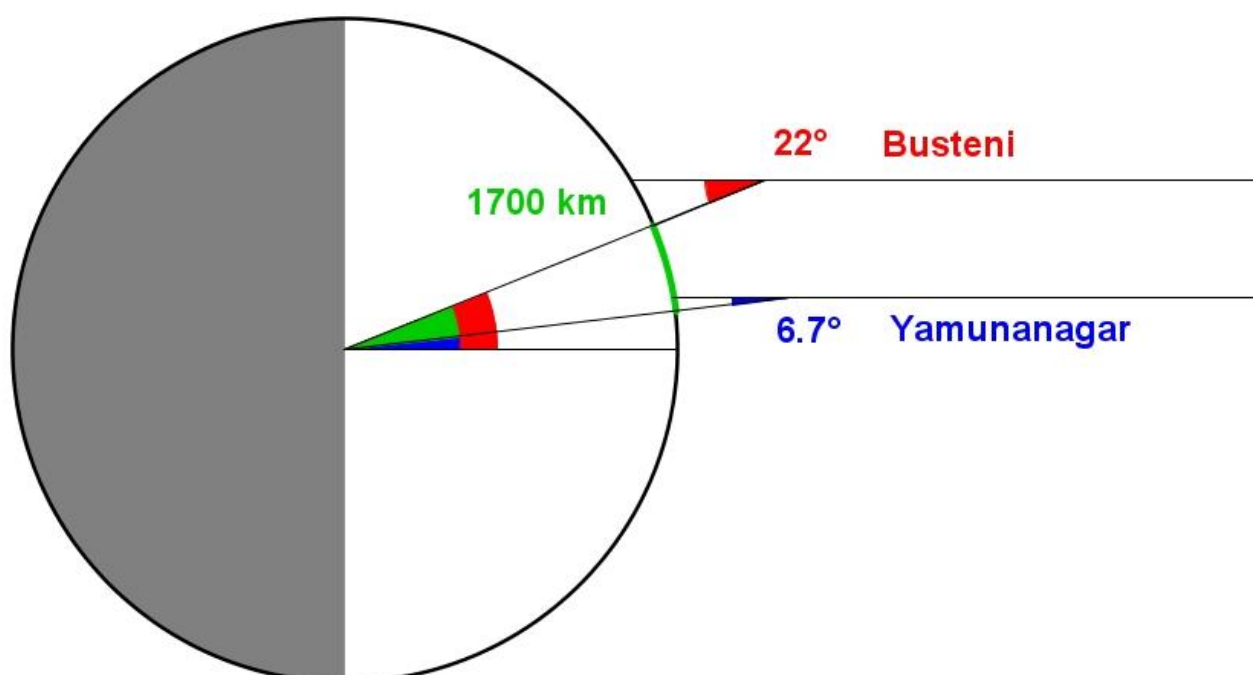


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Busteni	Romania	Colegiul Ion Kalinderu	45.416	25.535

Date	Gnomon	Shadow	Angle
07 June	31.3cm	13cm	22.6°
09 June	31.3cm	12.8cm	22.3°
20 June	32.4cm	13cm	21.9°
21 June	57cm	23cm	22°

21 June 2016 (Busteni- ROMANIA) Latitude 45.416

21 June 2016 (Yamunanagar- INDIA) Latitude 30.117




$$\text{circumference} = \frac{360^\circ \times 1700 \text{ km}}{22^\circ - 6.7^\circ} = 40000 \text{ km}$$



Donji Muć, Croatia

June 2016

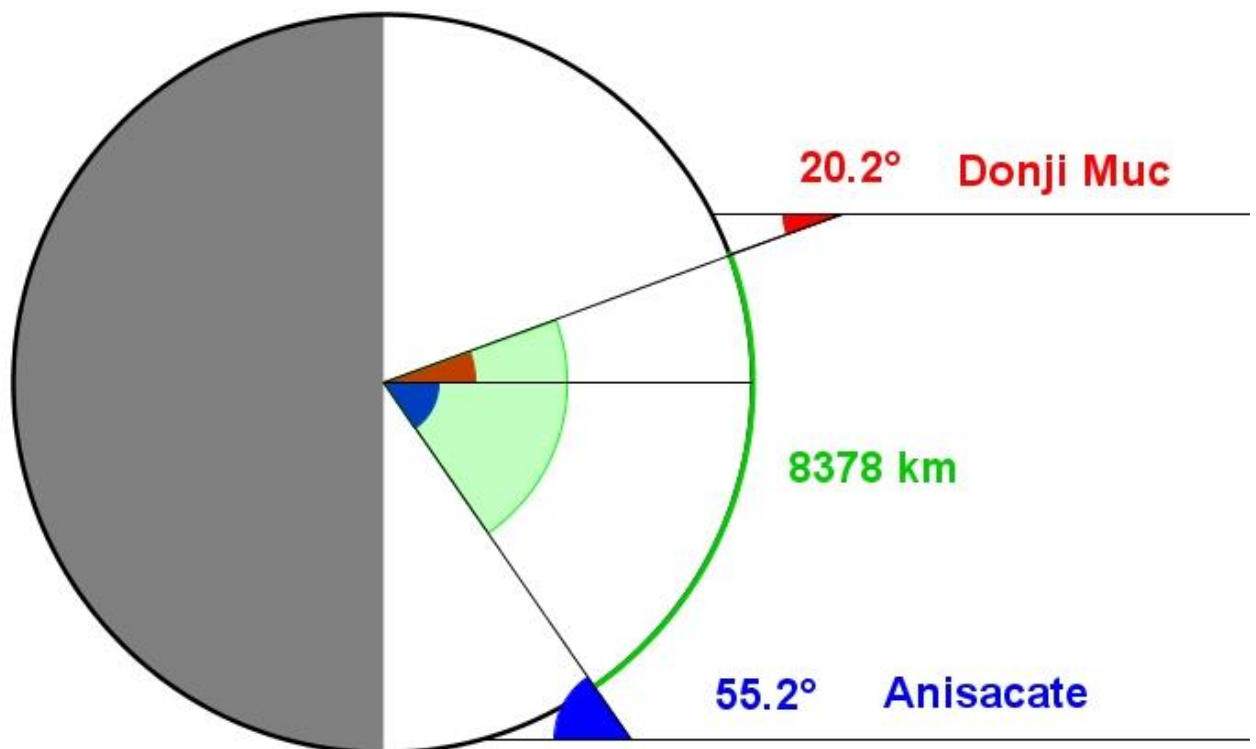


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Donji Muć	Croatia	oš kneza Branimira	43.694	16.462

Date	Gnomon	Shadow	Angle
02 June	100cm	39.2cm	21.4°
20 June	100cm	36.8cm	20.2°

20 June 2016 (Donji Muc-CROATIA) Latitude: 43.694

20 June 2016 (Anisacate-ARGENTINA) Latitude: -31.717



$$\text{circumference} = \frac{360^\circ \times 8378 \text{ km}}{20.2^\circ + 55.2^\circ} = 40001 \text{ km}$$



Eleu dit Leauwette, France

June 2016

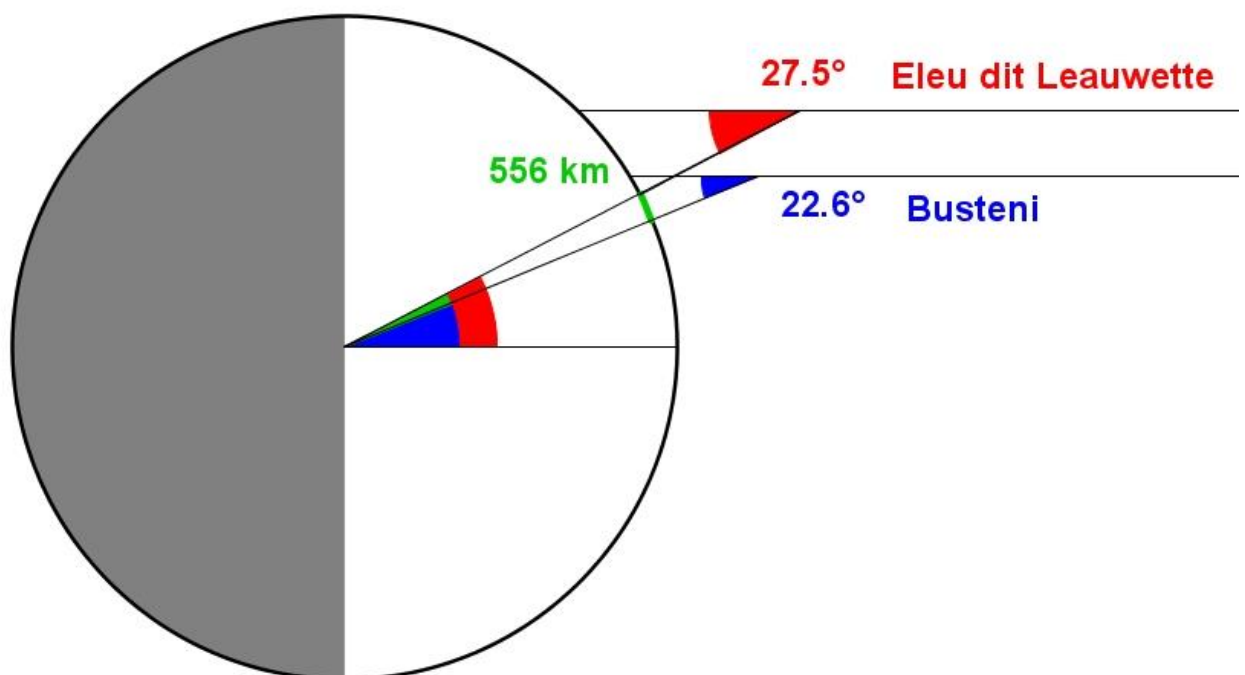


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Eleu dit Leauwette	France	Ecole élémentaire Fassiaux	50.421	2.819

Date	Gnomon	Shadow	Angle
07 June	100cm	52cm	27.5°

07 June 2016 (Eleu dit Leauwette - FRANCE) Latitude 50.421

07 June 2016 (Busteni- ROMANIA) Latitude 45.416




$$\text{circumference} = \frac{360^\circ \times 556 \text{ km}}{27.5^\circ - 22.6^\circ} = 40849 \text{ km}$$



Ioannina, Greece

June 2016

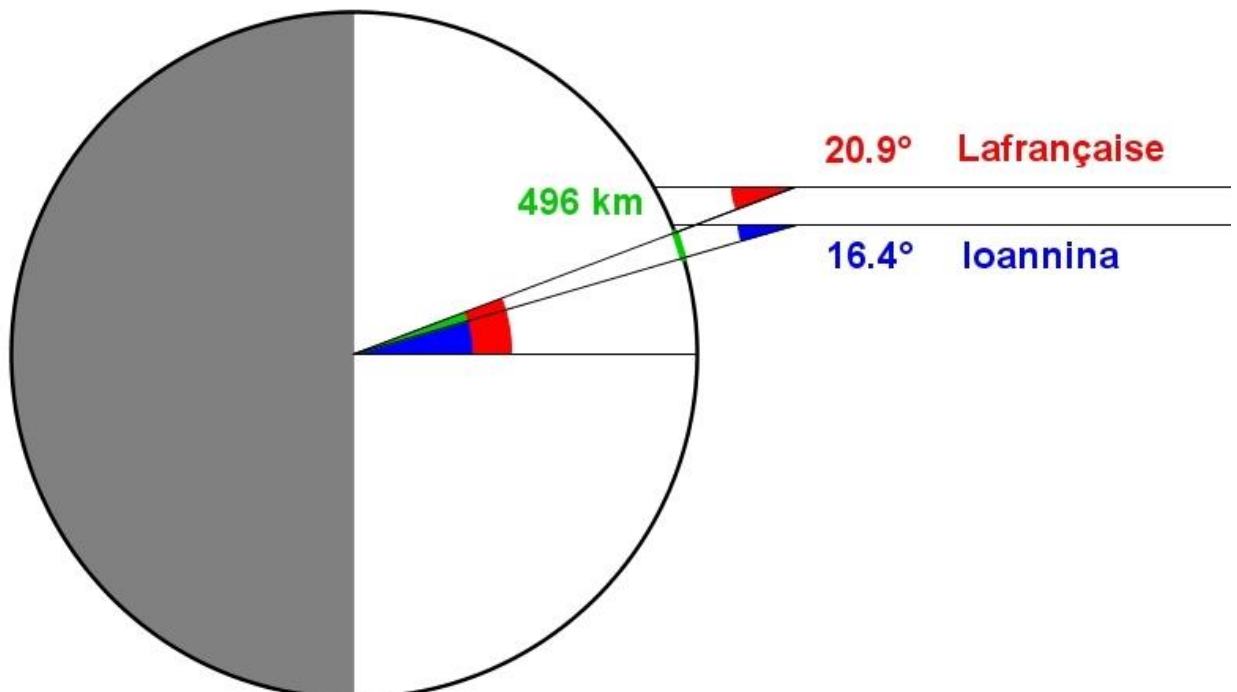


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Ioannina	Greece	Experimental College	39.666	20.845

Date	Gnomon	Shadow	Angle
01 June	100cm	31.5cm	17.5°
16 June	100cm	29.4cm	16.4°

16 June 2016 (Lafrançaise- FRANCE) Latitude 44.127

16 June 2016 (Ioannina- GREECE) Latitude 39.667




$$\text{circumference} = \frac{360^\circ \times 496 \text{ km}}{20.9^\circ - 16.4^\circ} = 39680 \text{ km}$$



Krokos, Greece

June 2016

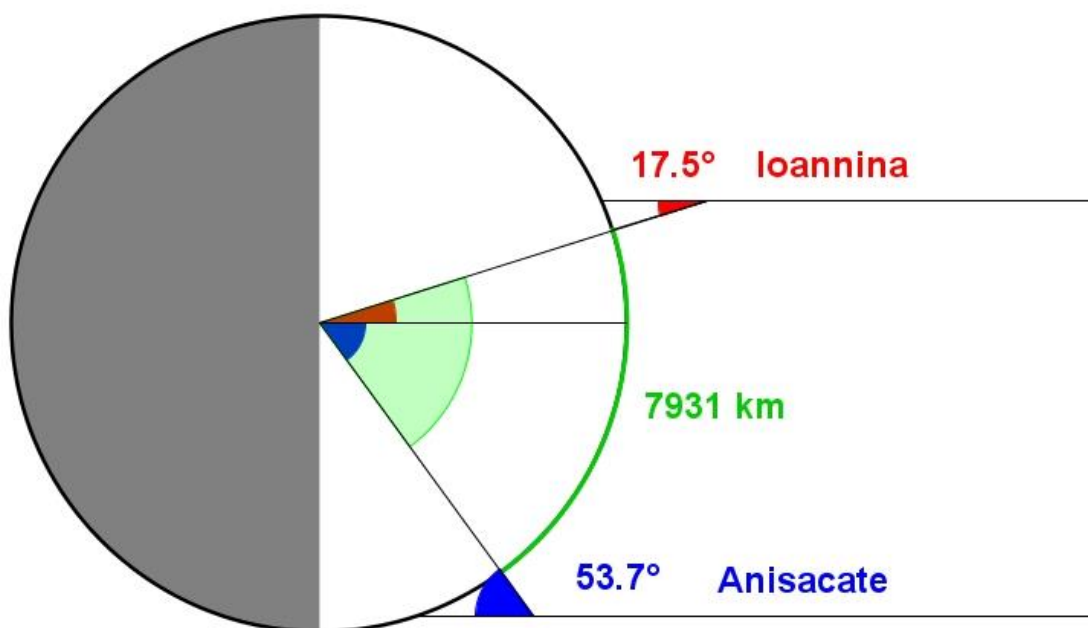


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Krokos	Greece	Junior High School of Krokos	40.265	21.815

Date	Gnomon	Shadow	Angle
21 June	10cm	39cm	21.3°

30 May 2016 (Ioannina-GREECE) Latitude: 39.667

30 May 2016 (Anisacate-ARGENTINA) Latitude: -31.717




$$\text{circumference} = \frac{360^\circ \times 7931 \text{ km}}{17.5^\circ + 53.7^\circ} = 40101 \text{ km}$$



Lafrançaise, France

June 2016

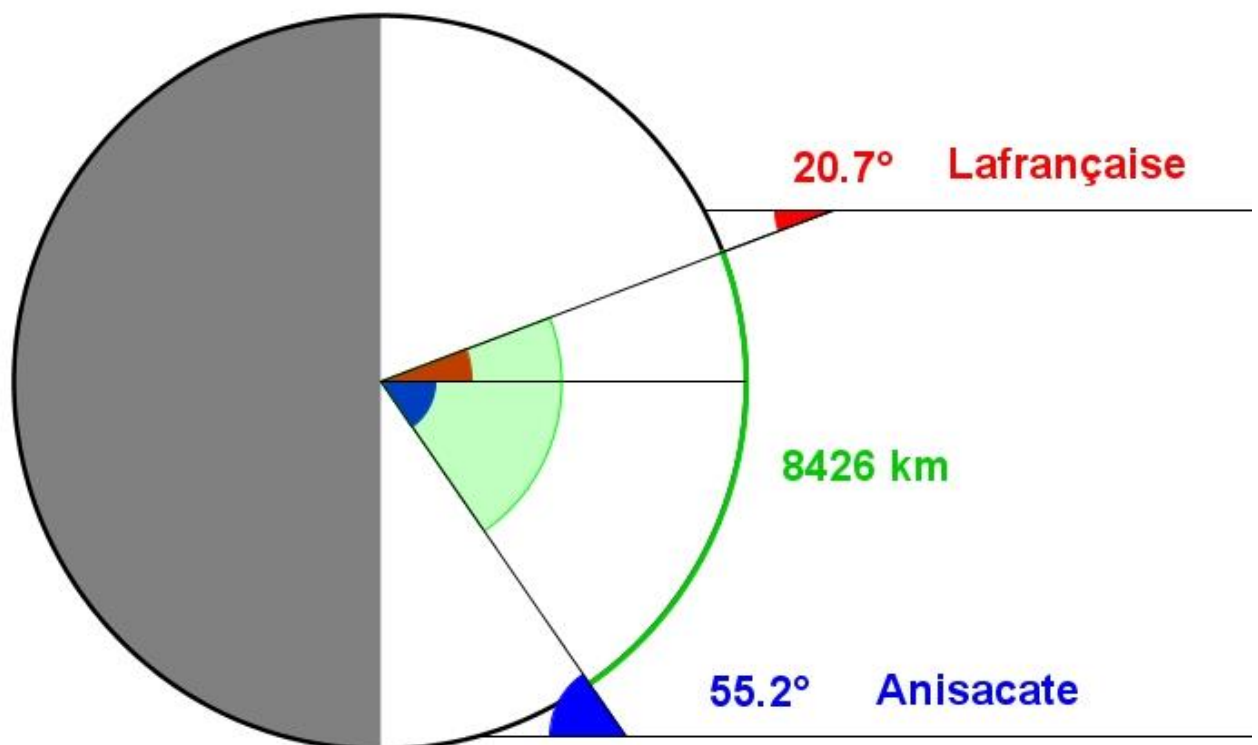


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237

Date	Gnomon	Shadow	Angle
02 June	100cm	40cm	21.8°
06 June	100cm	39.5cm	21.6°
07 June	100cm	39.2cm	21.4°
09 June	100cm	38.5cm	21.1°
14 June	100cm	38.2cm	20.9°
16 June	100cm	38.1cm	20.9°
20 June	100cm	37.7cm	20.7°
21 June	100cm	37.7cm	20.7°

20 June 2016 (Lafrançaise-FRANCE) Latitude: 44.127

20 June 2016 (Anisacate-ARGENTINA) Latitude: -31.717



$$\text{circumference} = \frac{360^\circ \times 8426 \text{ km}}{20.7^\circ + 55.2^\circ} = 39965 \text{ km}$$



Marina di Carrara, Italy

June 2016

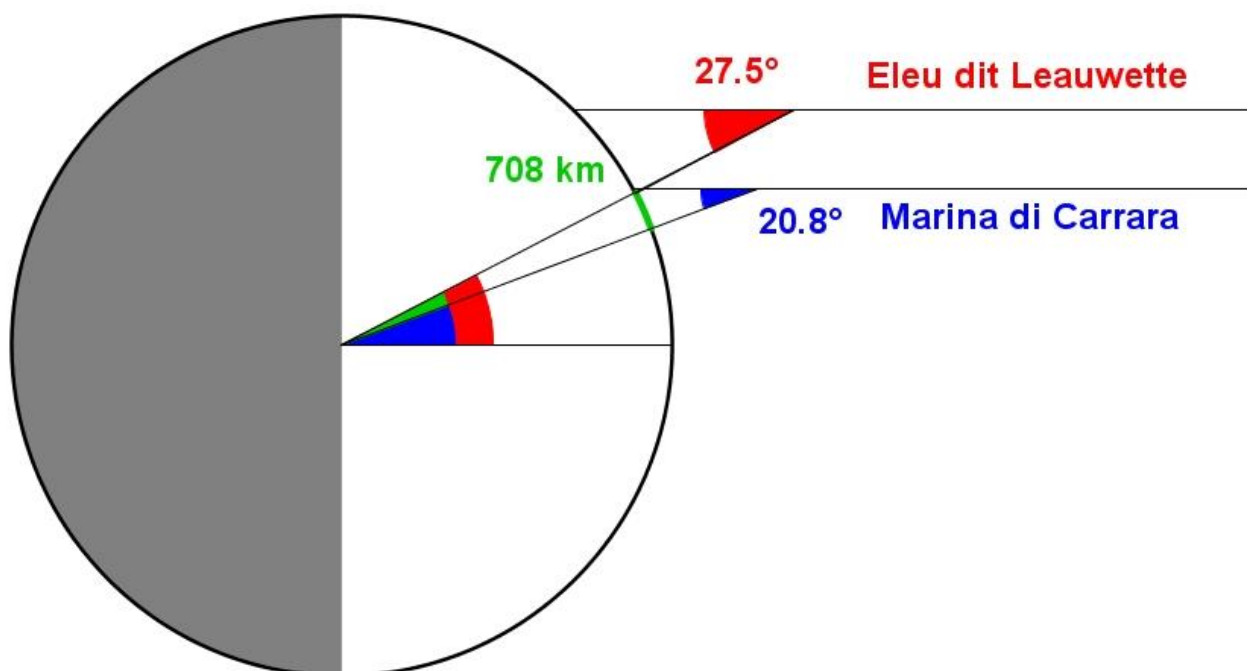


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Marina di Carrara	Italy	M Buonarroti primary school	44.045	10.031

Date	Gnomon	Shadow	Angle
07 June	10cm	3.8cm	20.8°

07 June 2016 (Eleu dit Leauwette - FRANCE) Latitude 50.421

07 June 2016 (Marina di Carrara- ITALY) Latitude 44.045




$$\text{circumference} = \frac{360^\circ \times 708 \text{ km}}{27.5^\circ - 20.8^\circ} = 38042 \text{ km}$$



Neoric, Croatia

June 2016

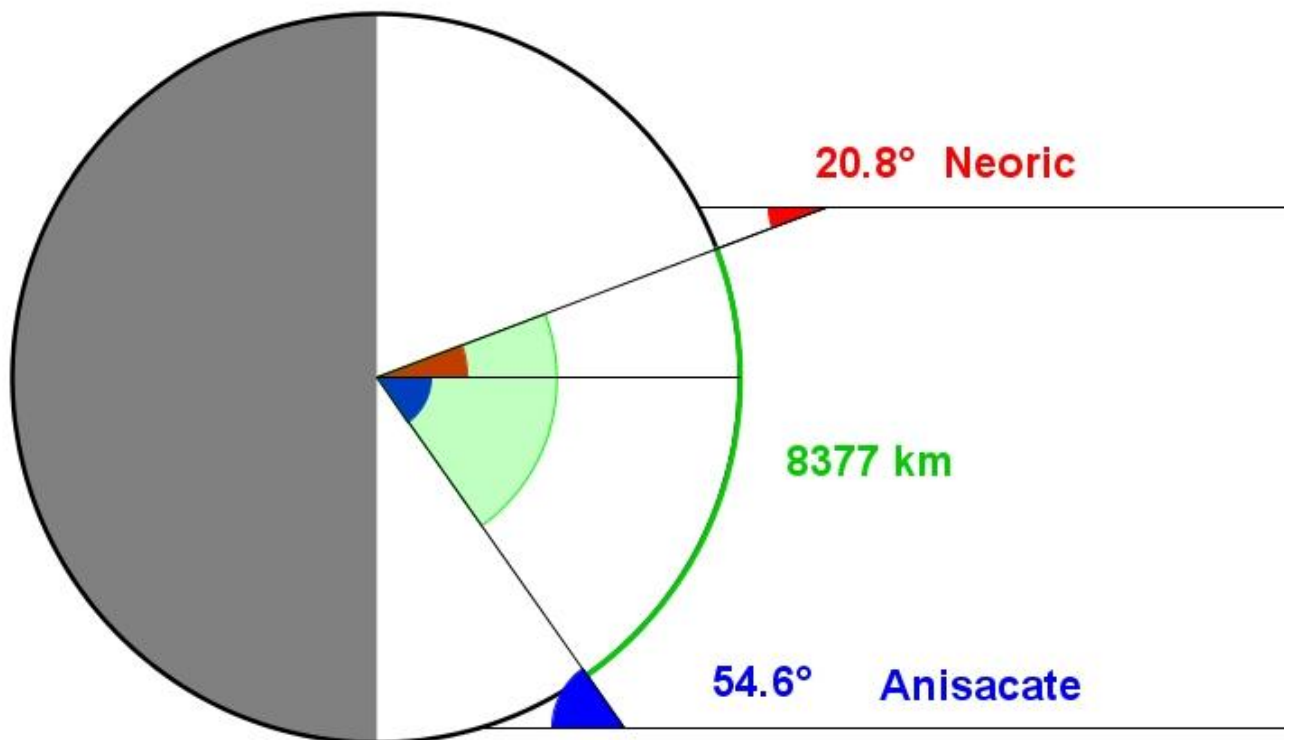


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Neoric	Croatia	OŠ Neorić - Sutina	43.686	16.520

Date	Gnomon	Shadow	Angle
06 June	100cm	36.8cm	20.2°
08 June	100cm	37.9cm	20.8°

08 June 2016 (Neoric-CROATIA) Latitude: 43.686

08 June 2016 (Anisacate-ARGENTINA) Latitude: -31.717




$$\text{circumference} = \frac{360^\circ \times 8377 \text{ km}}{20.8^\circ + 54.6^\circ} = 39996 \text{ km}$$



Nis, Serbia

June 2016

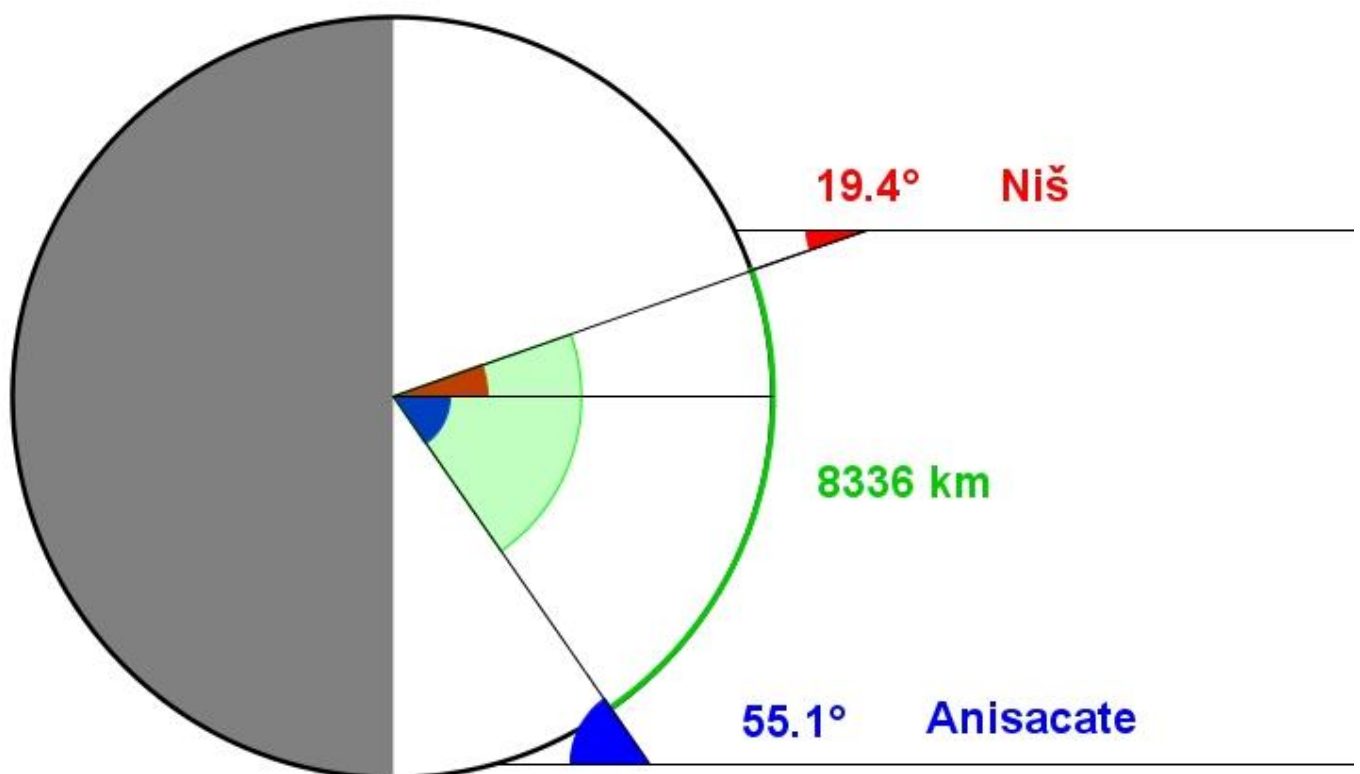


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Nis	Serbia	Gimnazija Svetozar Markovic	43.300	21.883

Date	Gnomon	Shadow	Angle
13 June	100cm	50.8cm	26.9°
14 June	100cm	35.2cm	19.4°
15 June	100cm	34.2cm	18.9°
17 June	100cm	34cm	18.8°

14 June 2016 (Niš-SERBIA) Latitude: 43.312

14 June 2016 (Anisacate-ARGENTINA) Latitude: -31.717




$$\text{circumference} = \frac{360^\circ \times 8336 \text{ km}}{19.4^\circ + 55.1^\circ} = 40281 \text{ km}$$



Petroupoli, Greece

June 2016

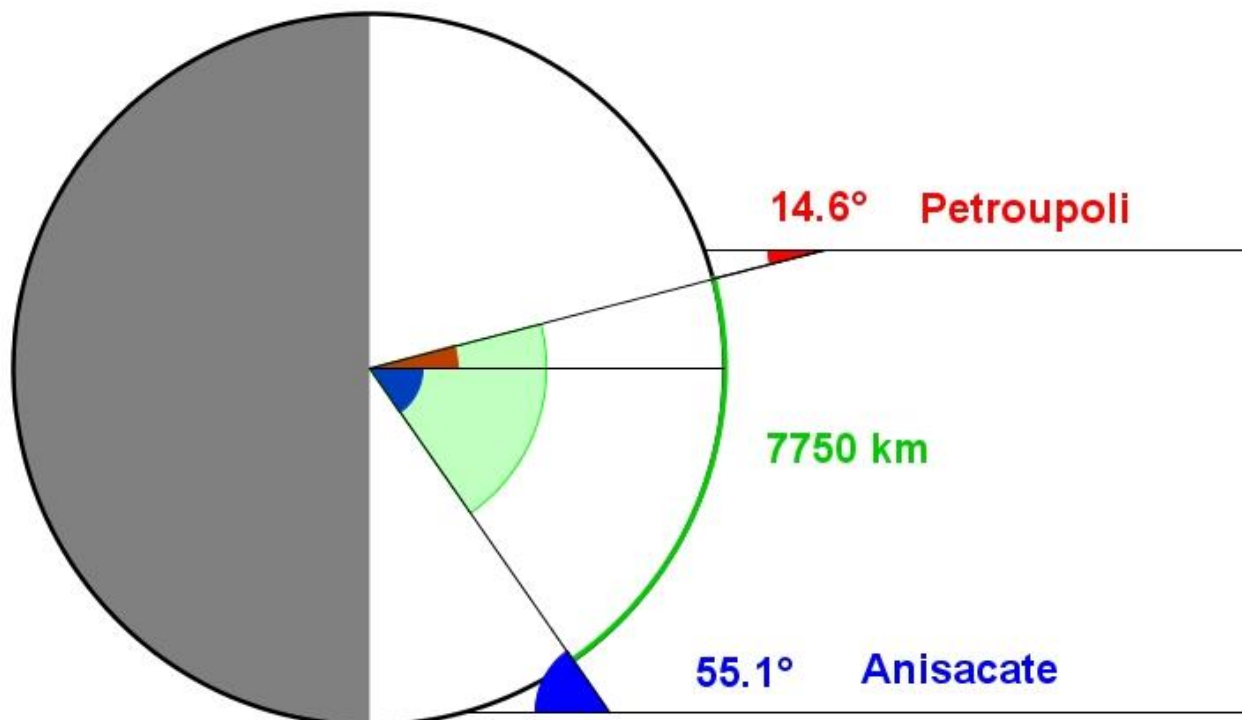


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Petroupoli	Greece	4o Junior High School	38.036	23.674

Date	Gnomon	Shadow	Angle
14 June	100cm	26cm	14.6°
21 June	52.3cm	13.6cm	14.6°

14 June 2016 (Petroupoli-GREECE) Latitude: 38.036

14 June 2016 (Anisacate-ARGENTINA) Latitude: -31.717



$$\text{circumference} = \frac{360^\circ \times 7750 \text{ km}}{14.6^\circ + 55.1^\circ} = 40029 \text{ km}$$



Piraeus, Greece

June 2016

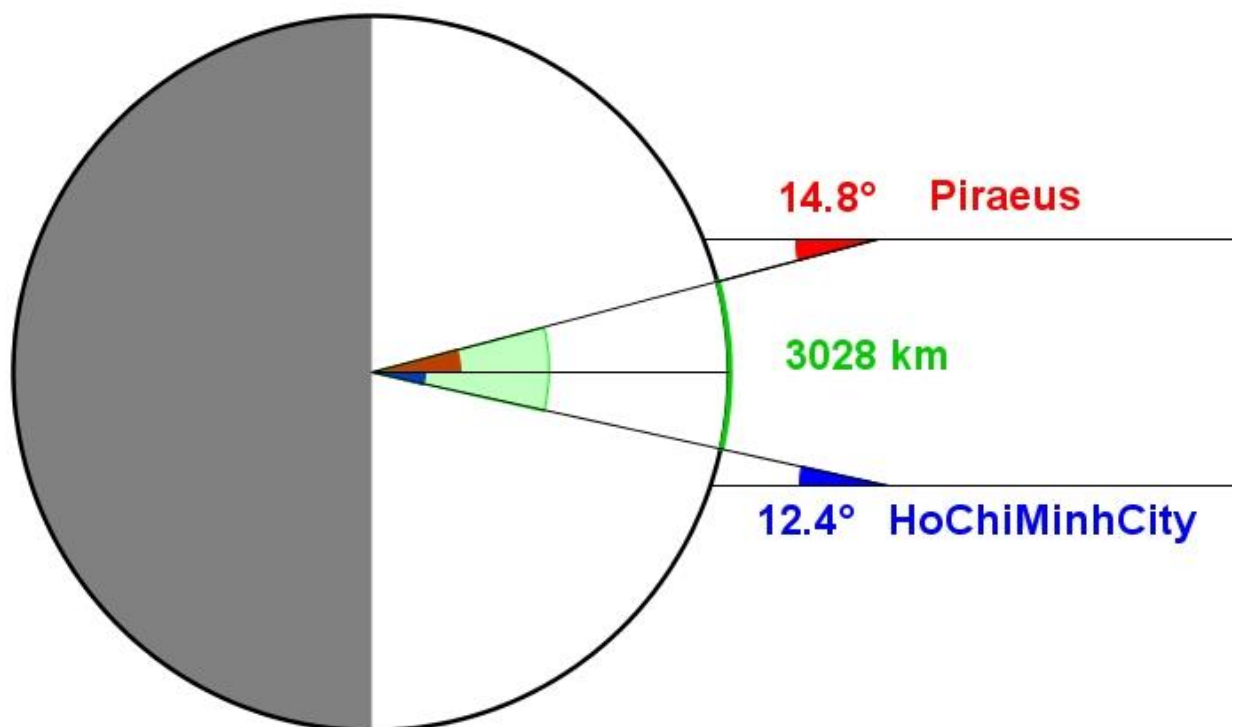


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Piraeus	Greece	2nd Junior High School of Korydallos	37.977	23.655

Date	Gnomon	Shadow	Angle
21 June	100cm	26.5cm	14.8°

21 June 2016 (Piraeus-GREECE) Latitude: 37.977

21 June 2016 (HoChiMinhCity-VIETNAM) Latitude: -10.722




$$\text{circumference} = \frac{360^\circ \times 3028 \text{ km}}{14.8^\circ + 12.4^\circ} = 40076 \text{ km}$$



Pylos, Greece

June 2016

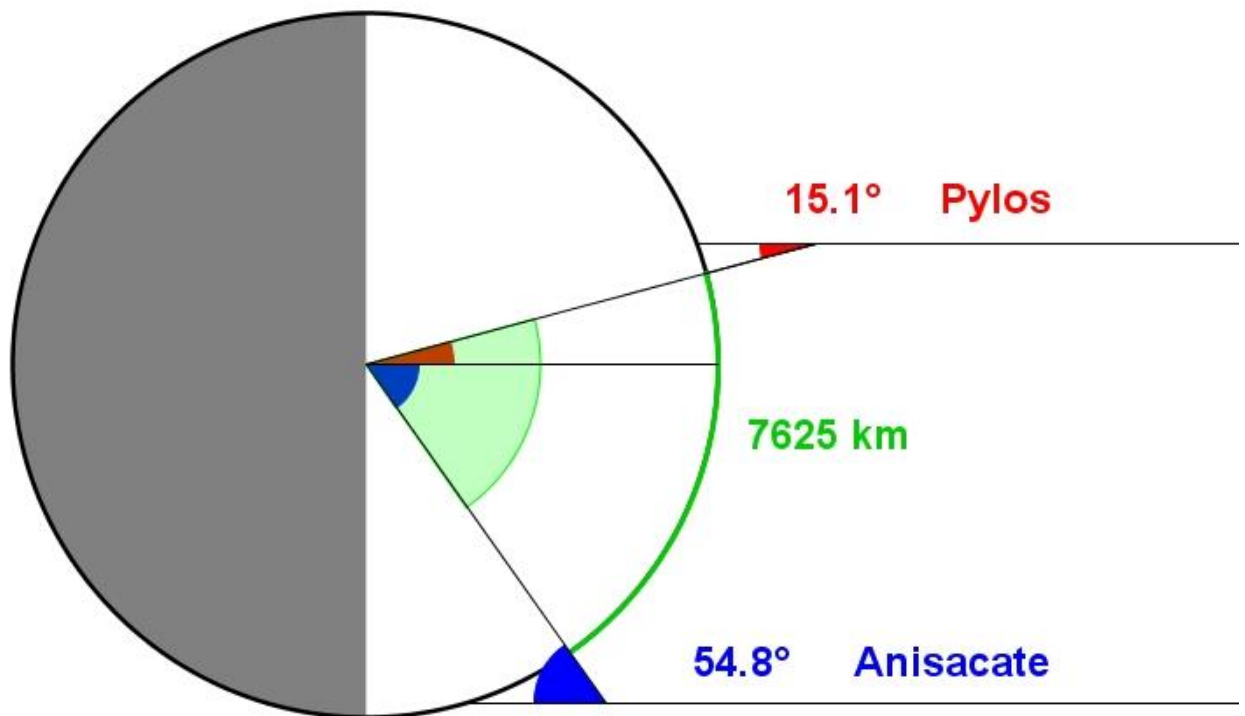


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Pylos	Greece	1st Kindergarten of Pylos	36.911	21.694

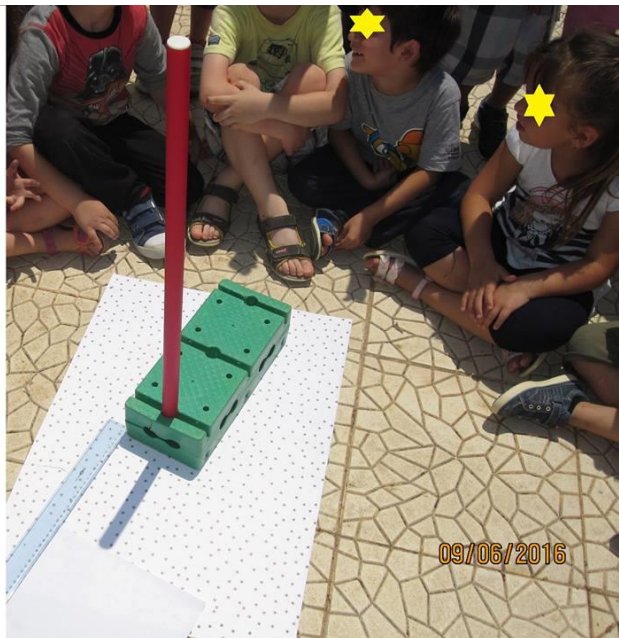
Date	Gnomon	Shadow	Angle
09 June	78cm	2cm	15.1°

09 June 2016 (Pylos-GREECE) Latitude: 36.911

09 June 2016 (Anisacate-ARGENTINA) Latitude: -31.717




$$\text{circumference} = \frac{360^\circ \times 7625 \text{ km}}{15.1^\circ + 54.8^\circ} = 39270 \text{ km}$$



Úbeda, Spain

June 2016

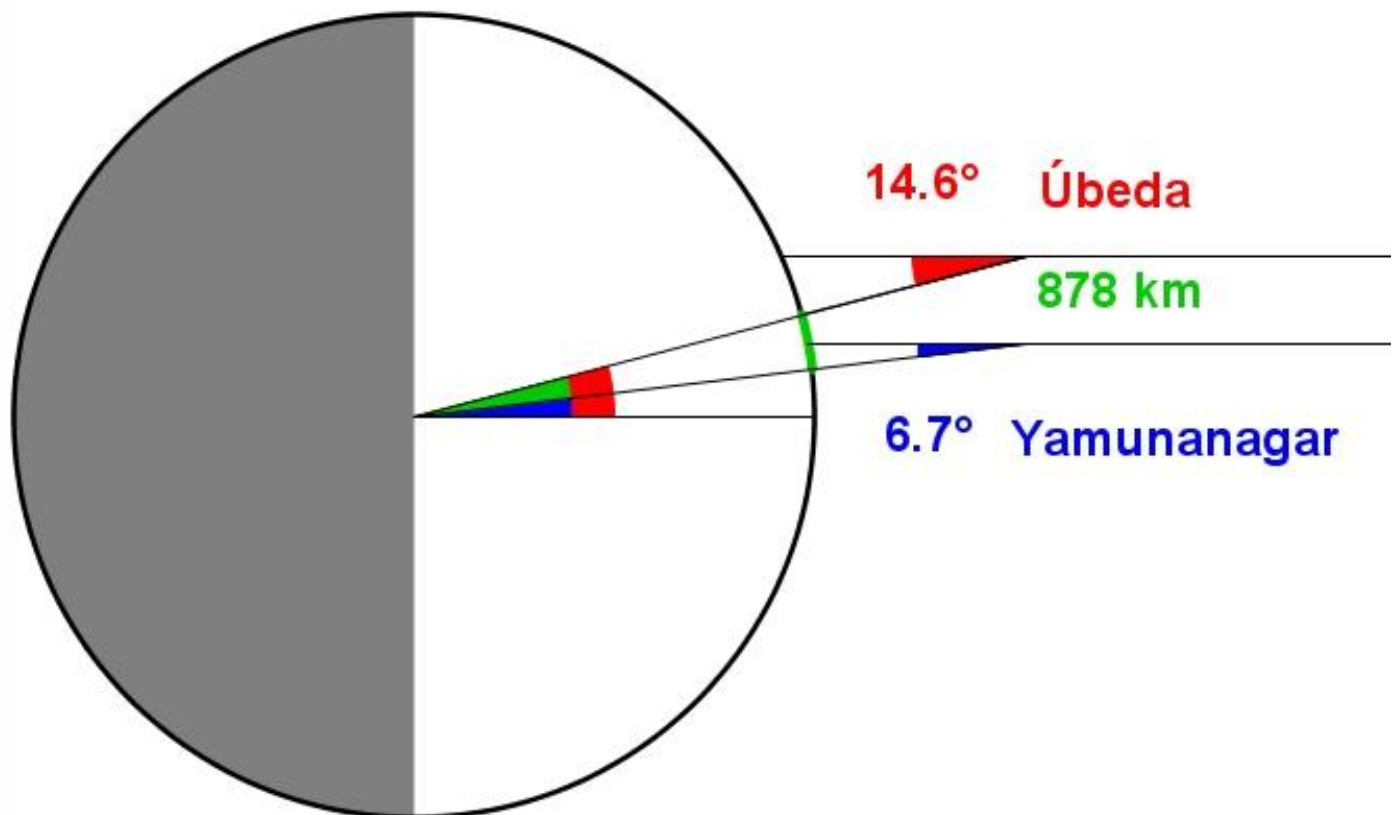


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Úbeda	Spain	Colegio Salesiano Santo Domingo Savio	38.017	-3.367

Date	Gnomon	Shadow	Angle
21 June	98.6cm	25.7cm	14.6°

21 June 2016 (Úbeda-SPAIN) Latitude: 38.017°

21 June 2016 (Yamunanagar-INDIA) Latitude: 30.117°



$$\text{circumference} = \frac{360^\circ \times 878 \text{ km}}{14.6^\circ - 6.7^\circ} = 40010 \text{ km}$$



