

# Eratóstenes Plaza Mayor



**ALCOBENDAS**

12 june 2015

30 schools from 4 continents  
participated to this event  
organized by David Martin de Diego  
(Instituto de Ciencias Matematicas)  
en Alcobendas / Plaza Mayor

Country	City	School	Latitude	Longitude
Argentina	Anisacate	Fundación Caminos de Anisacate	-31.717	-64.400
Brazil	Rio CENOM	CENOM Centro Educacional Nosso Mundo	-22.890	-43.317
Brazil	Parintins	Núcleo de Ensino e Pesquisa em Astronomia	-2.628	-56.736
Brazil	Aracaju	Colégio Estadual Secretário de Estado Francisco Rosa Santos	-10.890	-37.090
Brazil	Maricá	Escola Municipal Carlos Magno Legentil da Matta	-22.914	-42.820
Brazil	Niterói	Grupo 64 Lourival Andrade	-22.885	-43.121
Brazil	Rio MAST	MAST Museu de Astronomia e Ciências	-22.896	-43.224
Peru	Lima	Colegio 20955-2 NACIONES UNIDAS	-11.980	-76.900
Uruguay	Paysandú	Liceo Nº 1 de Paysandú	-32.316	-58.093
Malaysia	Kuantan	Teluk Cempedak beach (SMK St Thomas)	3.800	103.380
India	Mumbai	L.R & S.M Vissanji Academy	19.121	72.851
India	Karauli	Govt Senior Secondary School	26.494	77.016
Greece	Aigio	1st High School of Aigio	38.252	22.079
Greece	Athens	Protypo Peiramatiko Gymnasio Agion Anargyron	38.027	23.726
Greece	Chania	Private Primary School DDMN	35.485	24.082
Greece	Ioannina	Collège Pilote Expérimental Zosimaias Scholis Ioannina	39.667	20.850
Greece	Kozani	Junior High School of Krokos	40.265	21.815
Greece	Lardos	Primary School of Lardos, Rhodes	36.093	28.012
Greece	Messinia	1st Kindergarten of Pylos	36.911	21.694
Greece	Petroupoli	4th Junior High School of Petroupoli	38.036	23.674
Croatia	Donji Muć	OŠ kneza Branimira	43.694	16.462
Spain	Alcobendas	Instituto de Ciencias Matematicas	40.533	-3.633
Croatia	Donji Muć	OŠ kneza Branimira	43.694	16.462
UK	Greenwich		51.480	0.000
Italy	Gressoney	IS Walser & Mont Rose B	45.781	7.825
Italy	Pont St Martin	Istituzione Scolastica Monte Rosa A	45.601	7.795
UK	Keith	St Thomas RC Primary School	57.539	2.954
France	Lafrançaise	Collège Antonin Perbosc	44.127	1.237
Tunisia	Tunis	Ecole primaire 16 Rue de Russie	36.795	10.177
Spain	Úbeda	Colegio Salesiano Santo Domingo Savio	38.017	-3.367
Spain	Alcobendas	Instituto de Ciencias Matematicas	40.533	-3.633



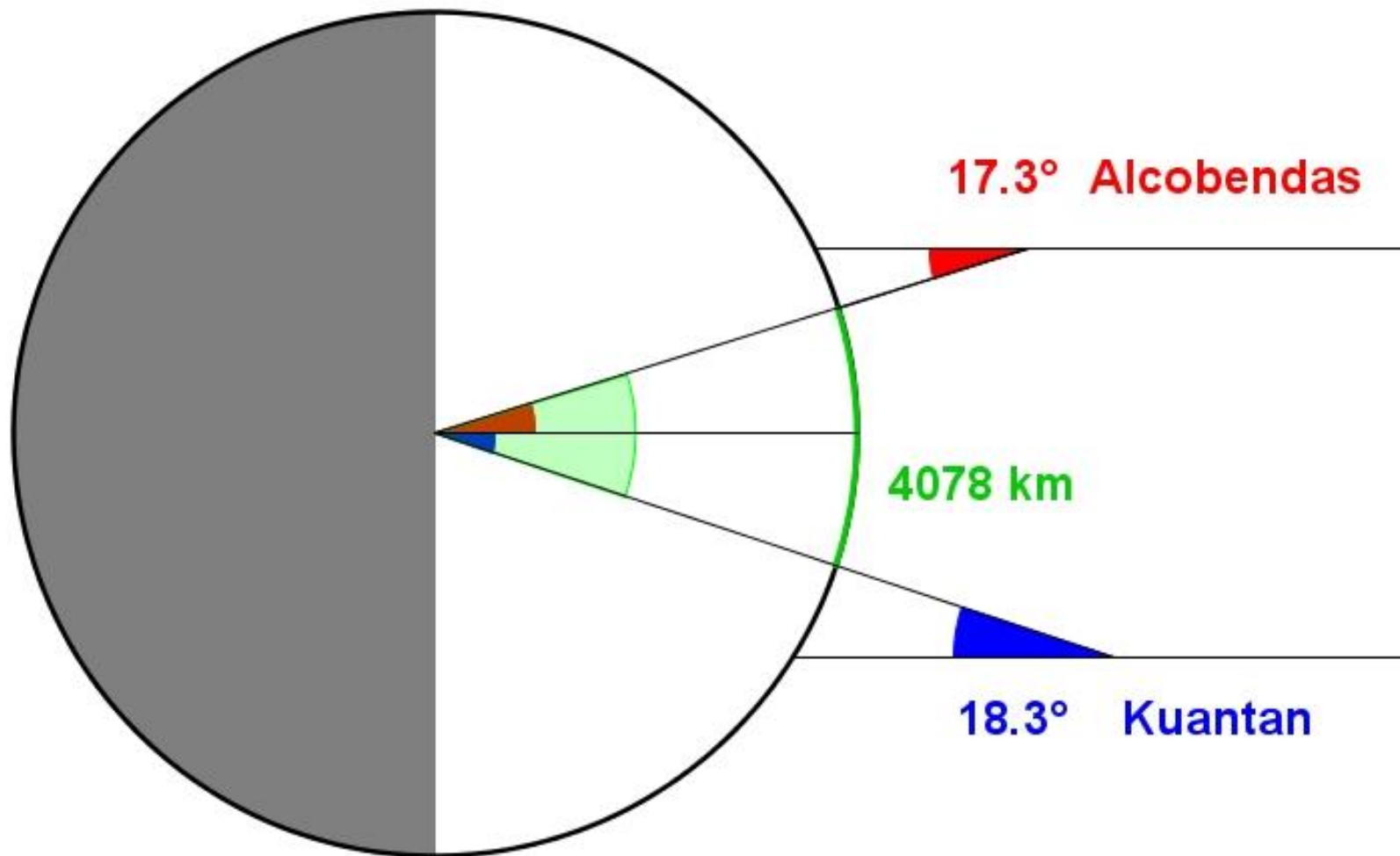
# Kuantan



06/11/2015 13:23

12 June 2015 (Alcobendas-SPAIN) Latitude: 40.53°

11 June 2015 (Kuantan-MALAYSIA) Latitude: 3.83°



$$\text{circumference} = \frac{360^\circ \times 4078 \text{ km}}{17.3^\circ + 18.3^\circ} = 41238 \text{ km}$$

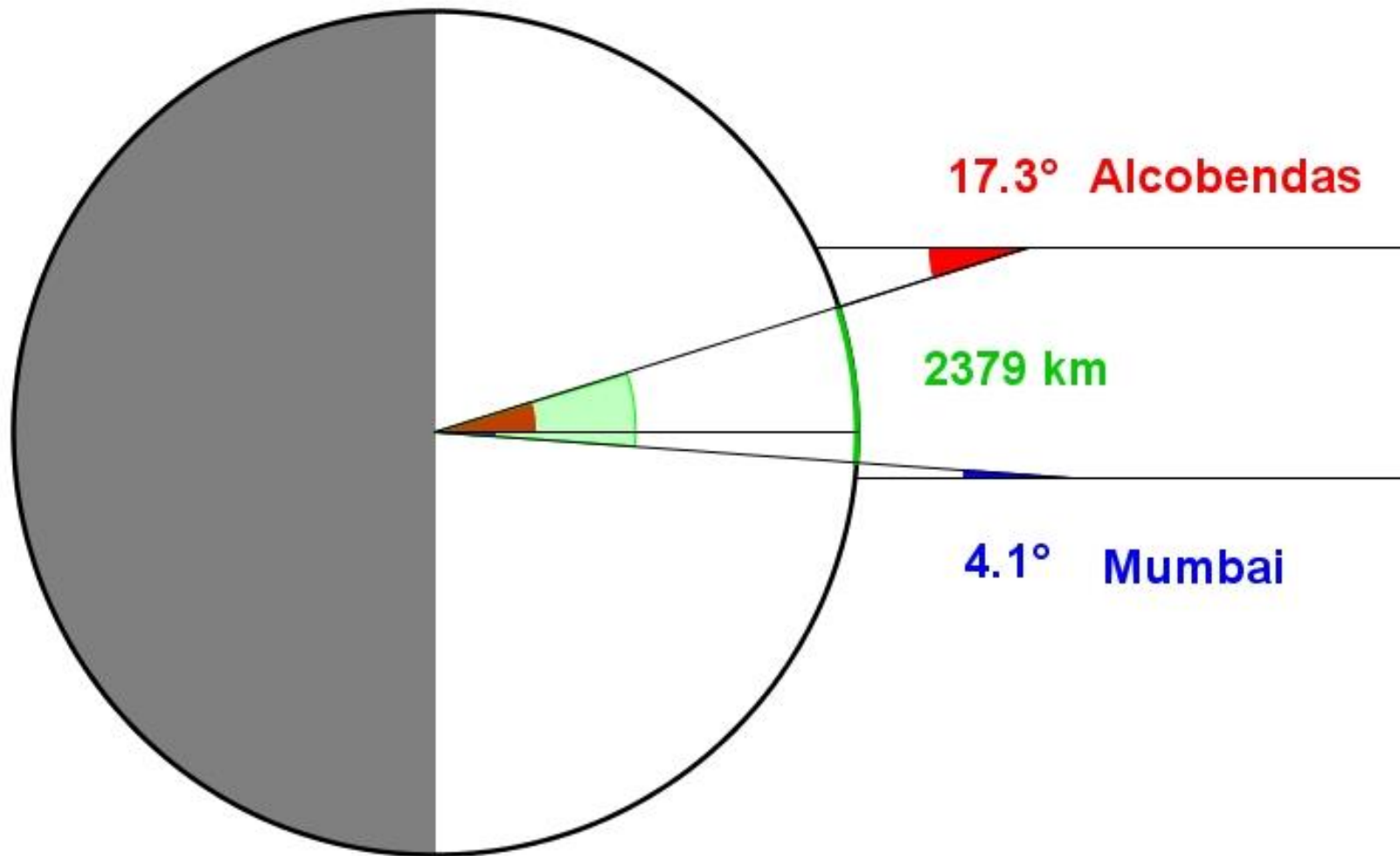


Mumbai



12 June 2015 (Alcobendas-SPAIN) Latitude: 40.53°

12 June 2015 (Mumbai-INDIA) Latitude: 19.12°



$$\text{circumference} = \frac{360^\circ \times 2379 \text{ km}}{17.3^\circ + 4.1^\circ} = 40021 \text{ km}$$



Karauli

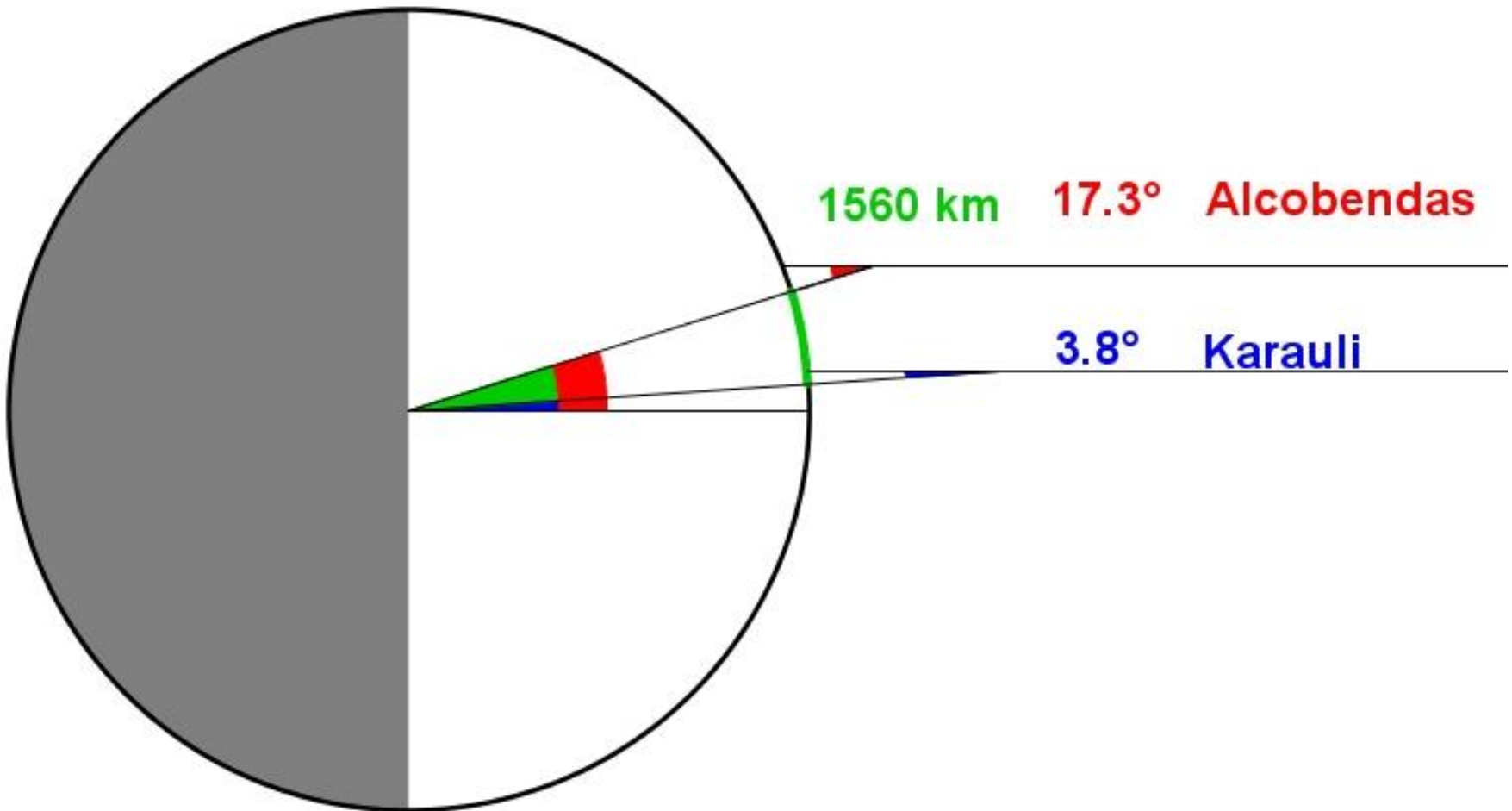
ईर्ष्या तथा अहंकार को दूर कर दो - संगठित होकर दूसरों के लिए कार्य करना सीसो





12 June 2015 (Alcobendas-SPAIN) Latitude: 40.53°

8 June 2015 (Karauli-INDIA) Latitude: 26.49°



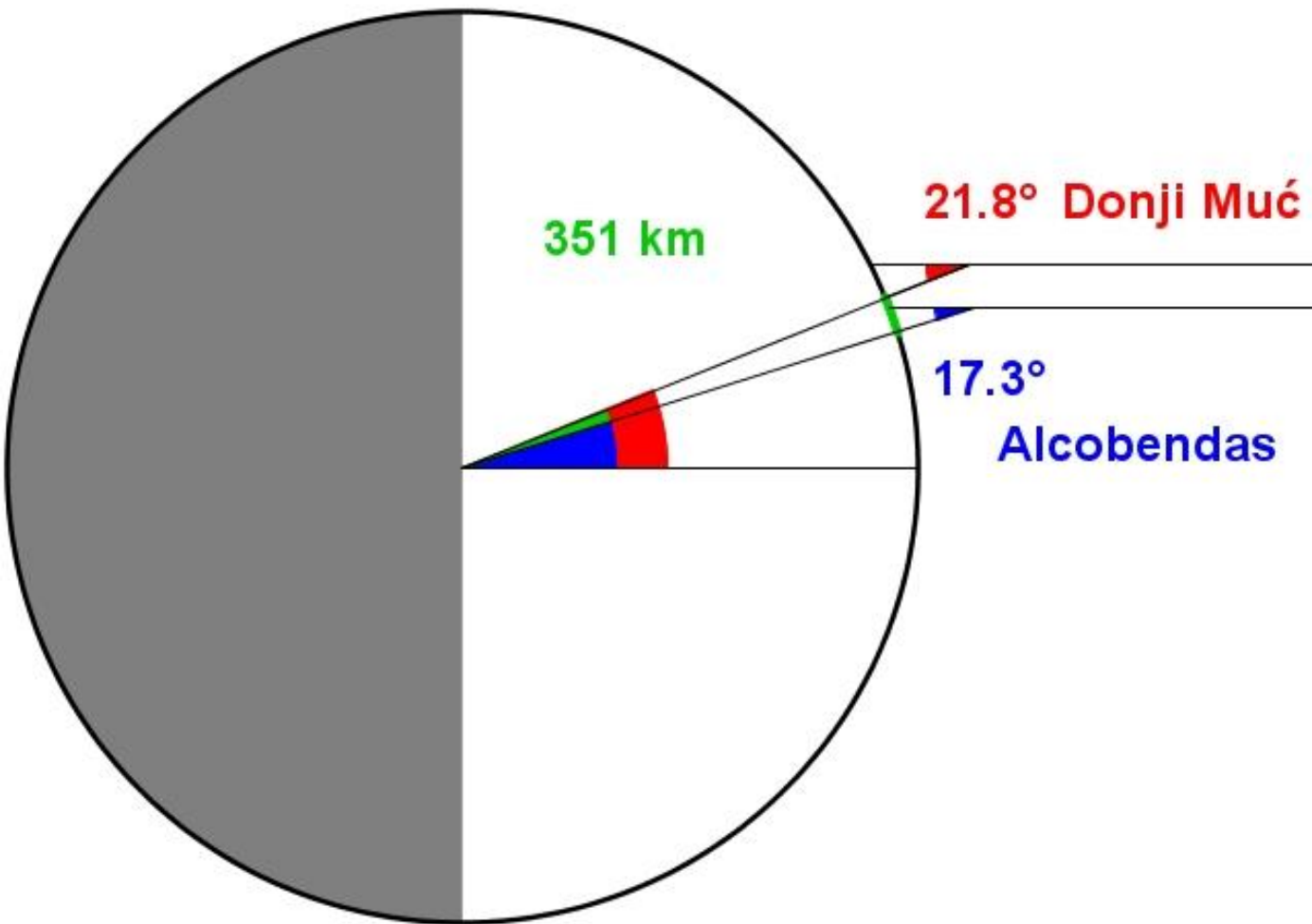
$$\text{circumference} = \frac{360^\circ \times 1560 \text{ km}}{17.3^\circ - 3.8^\circ} = 41600 \text{ km}$$

# Donji Muc



11 June 2015 (Donji Muć-CROATIA) Latitude: 43.69°

12 June 2015 (Alcobendas-SPAIN) Latitude: 40.53°



$$\text{circumference} = \frac{360^\circ \times 351 \text{ km}}{21.8^\circ - 17.3^\circ} = 28080 \text{ km}$$

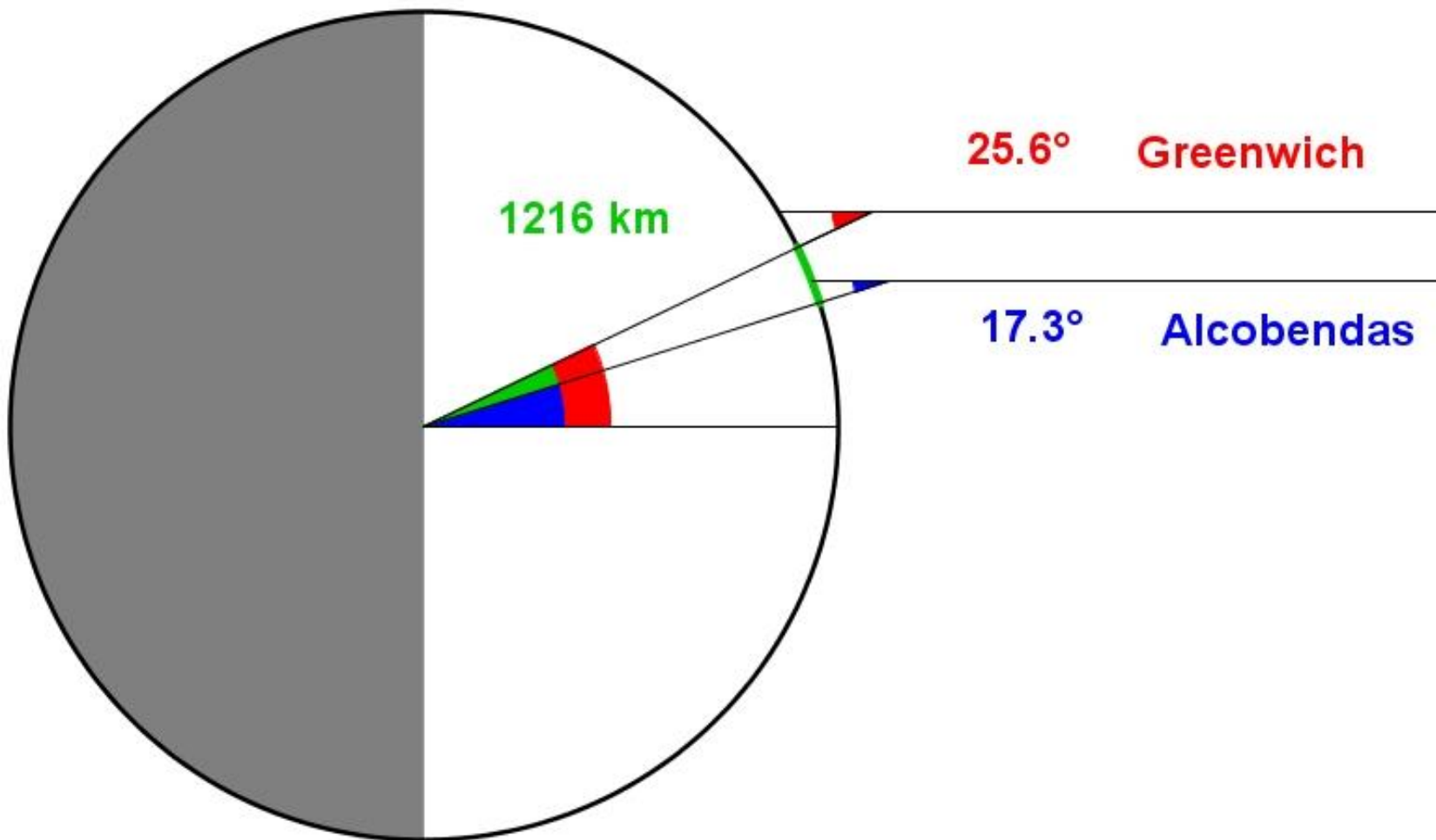


# Greenwich



11 June 2015 (Greenwich-UK) Latitude: 51.48°

12 June 2015 (Alcobendas-SPAIN) Latitude: 40.53°



$$\text{circumference} = \frac{360^\circ \times 1216 \text{ km}}{25.6^\circ - 17.3^\circ} = 52742 \text{ km}$$



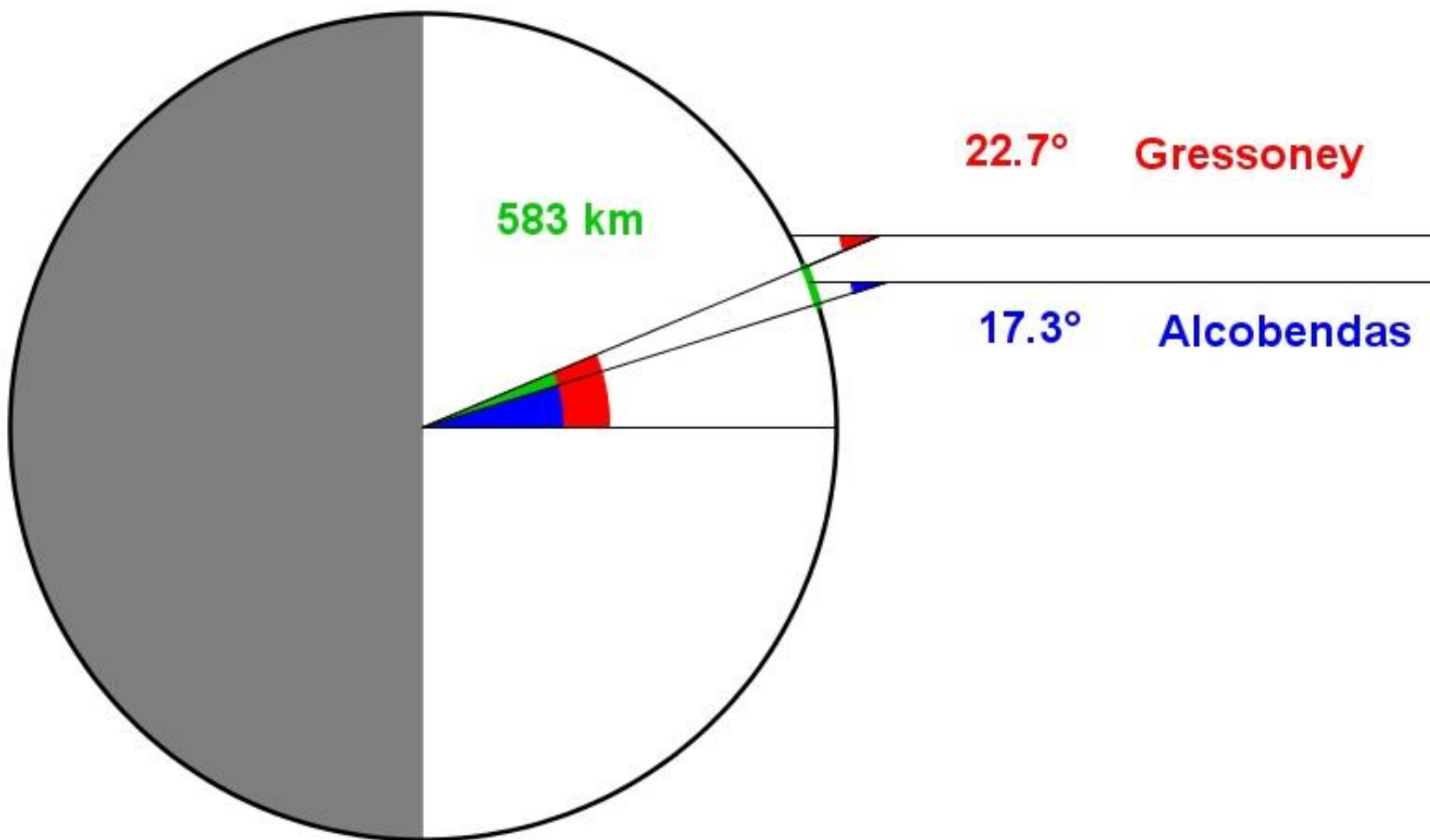
# Gressoney





10 June 2015 (Gressoney-ITALY) Latitude: 45.78°

12 June 2015 (Alcobendas-SPAIN) Latitude: 40.53°



$$\text{circumference} = \frac{360^\circ \times 583 \text{ km}}{22.7^\circ - 17.3^\circ} = 38867 \text{ km}$$

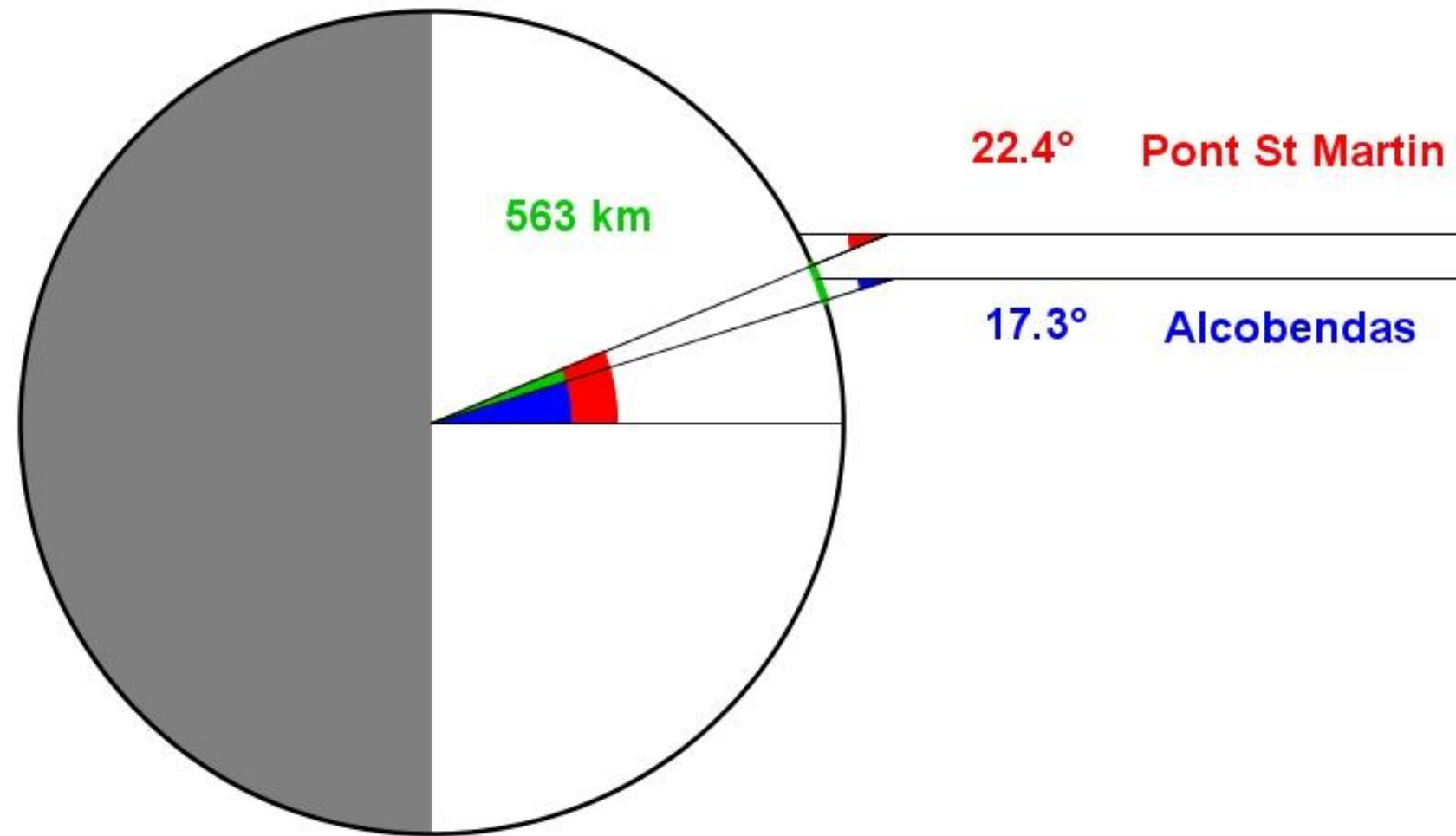
# Pont St Martin





11 June 2015 (Pont St Martin-ITALY) Latitude: 45.6°

12 June 2015 (Alcobendas-SPAIN) Latitude: 40.53°



$$\text{circumference} = \frac{360^\circ \times 563 \text{ km}}{22.4^\circ - 17.3^\circ} = 39741 \text{ km}$$

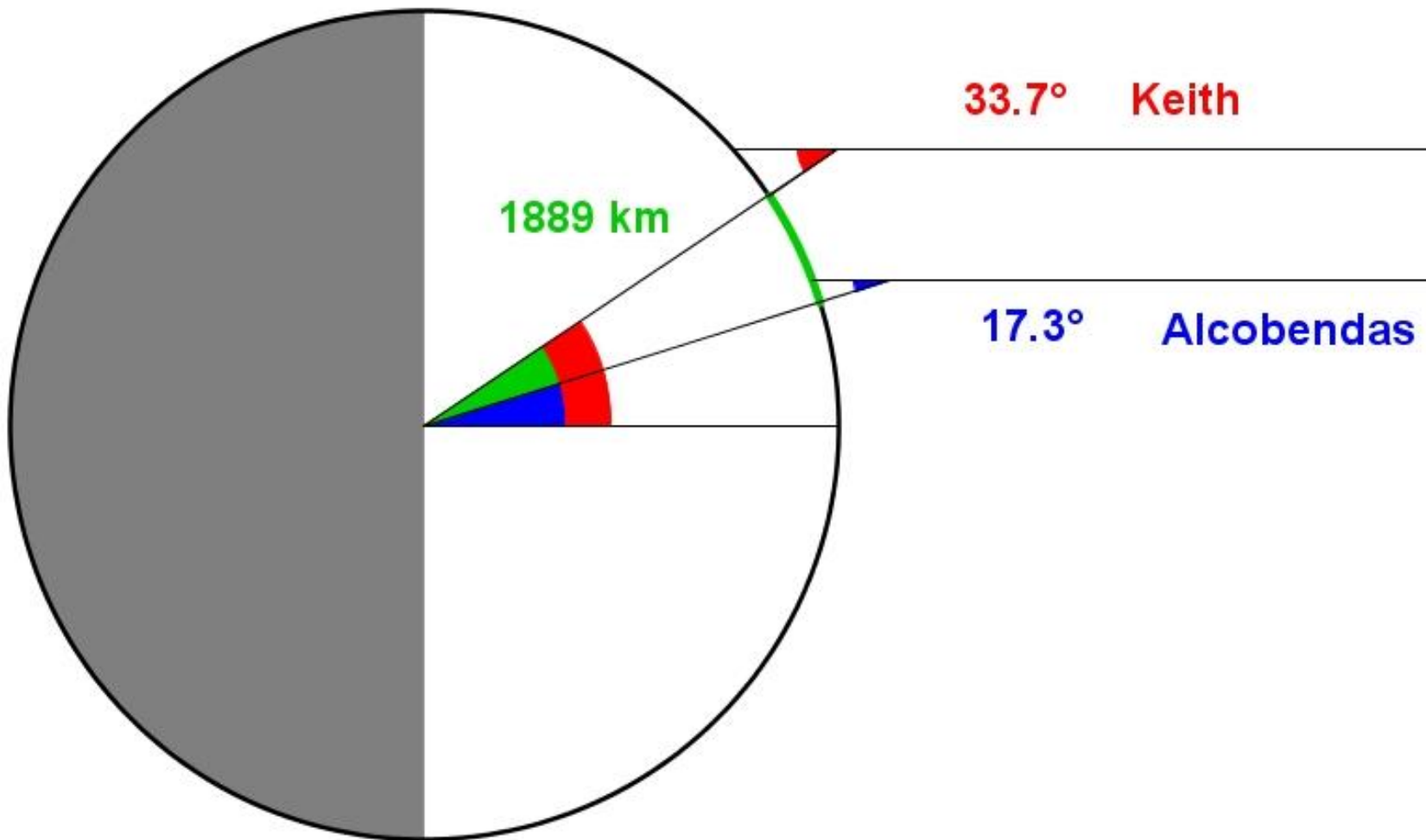


Keith



11 June 2015 (Keith-UK) Latitude: 57.54°

12 June 2015 (Alcobendas-SPAIN) Latitude: 40.53°



$$\text{circumference} = \frac{360^\circ \times 1889 \text{ km}}{33.7^\circ - 17.3^\circ} = 41466 \text{ km}$$

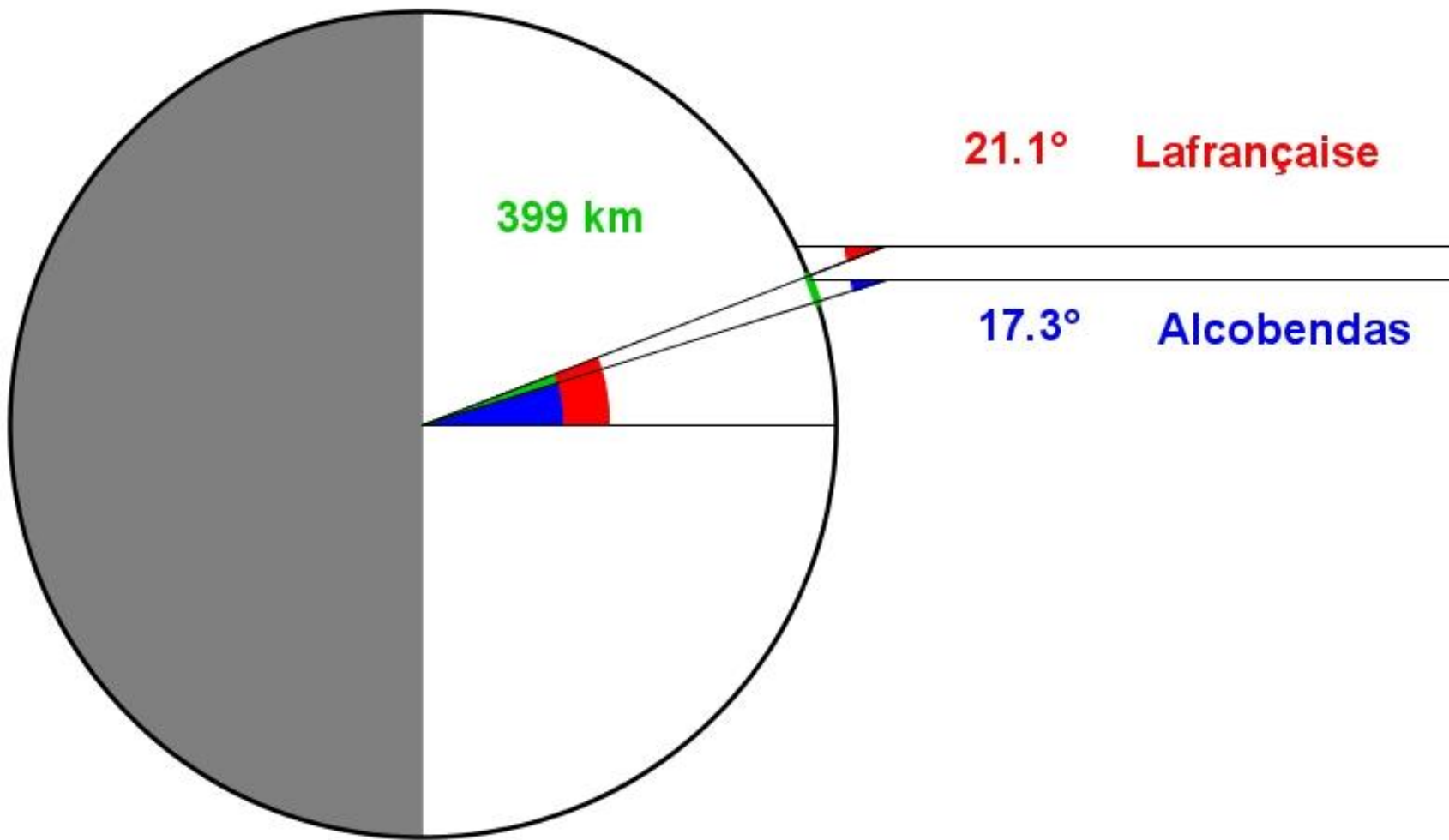


# Lafrançaise



09 June 2015 (Lafrançaise-FRANCE) Latitude: 44.13°

12 June 2015 (Alcobendas-SPAIN) Latitude: 40.53°



21.1° Lafrançaise

17.3° Alcobendas

$$\text{circumference} = \frac{360^\circ \times 399 \text{ km}}{21.1^\circ - 17.3^\circ} = 37800 \text{ km}$$

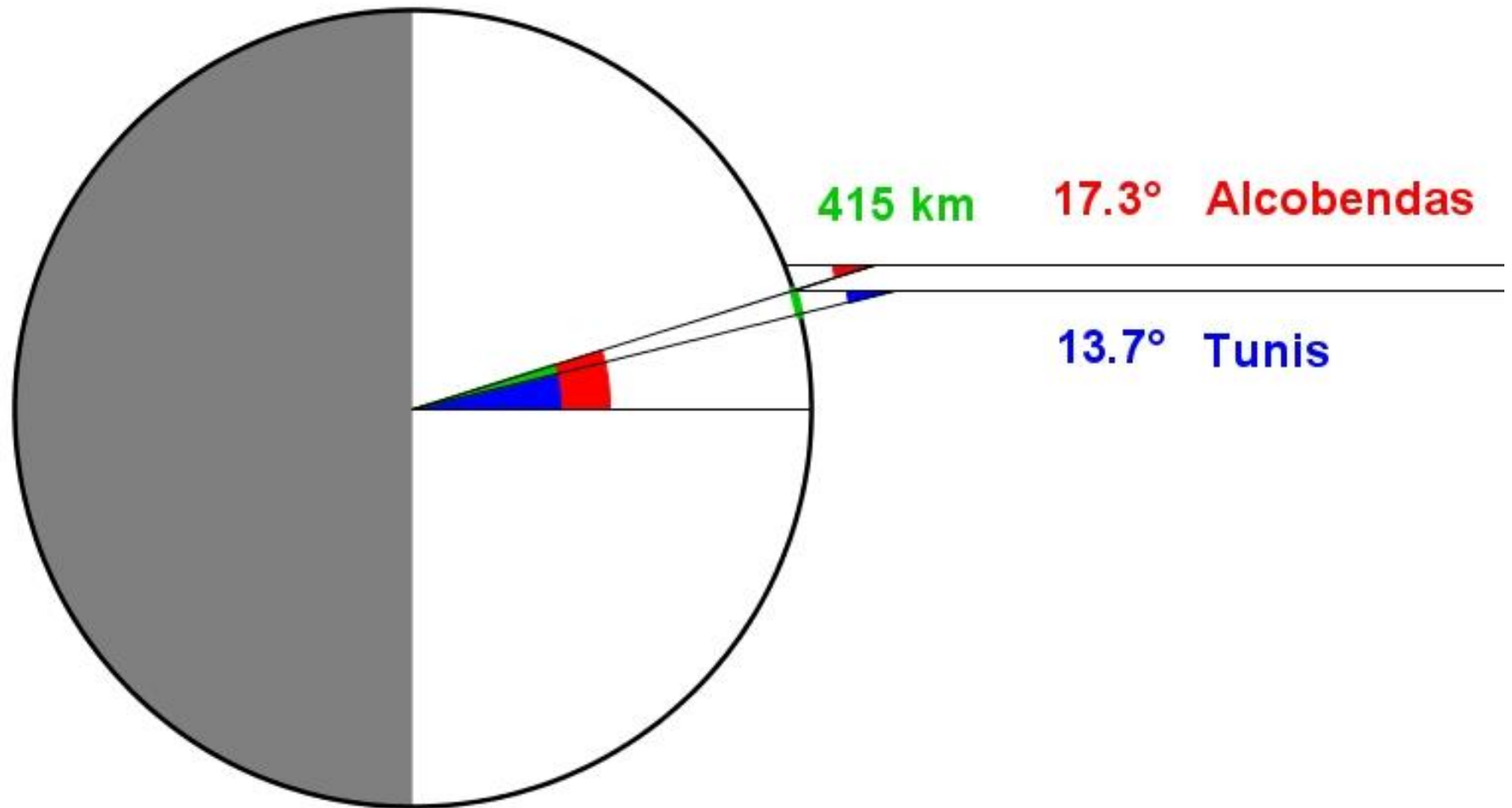


# Tunis



12 June 2015 (Alcobendas-SPAIN) Latitude: 40.53°

09 June 2015 (Tunis-TUNISIA) Latitude: 36.8°



$$\text{circumference} = \frac{360^\circ \times 415 \text{ km}}{17.3^\circ - 13.7^\circ} = 41500 \text{ km}$$

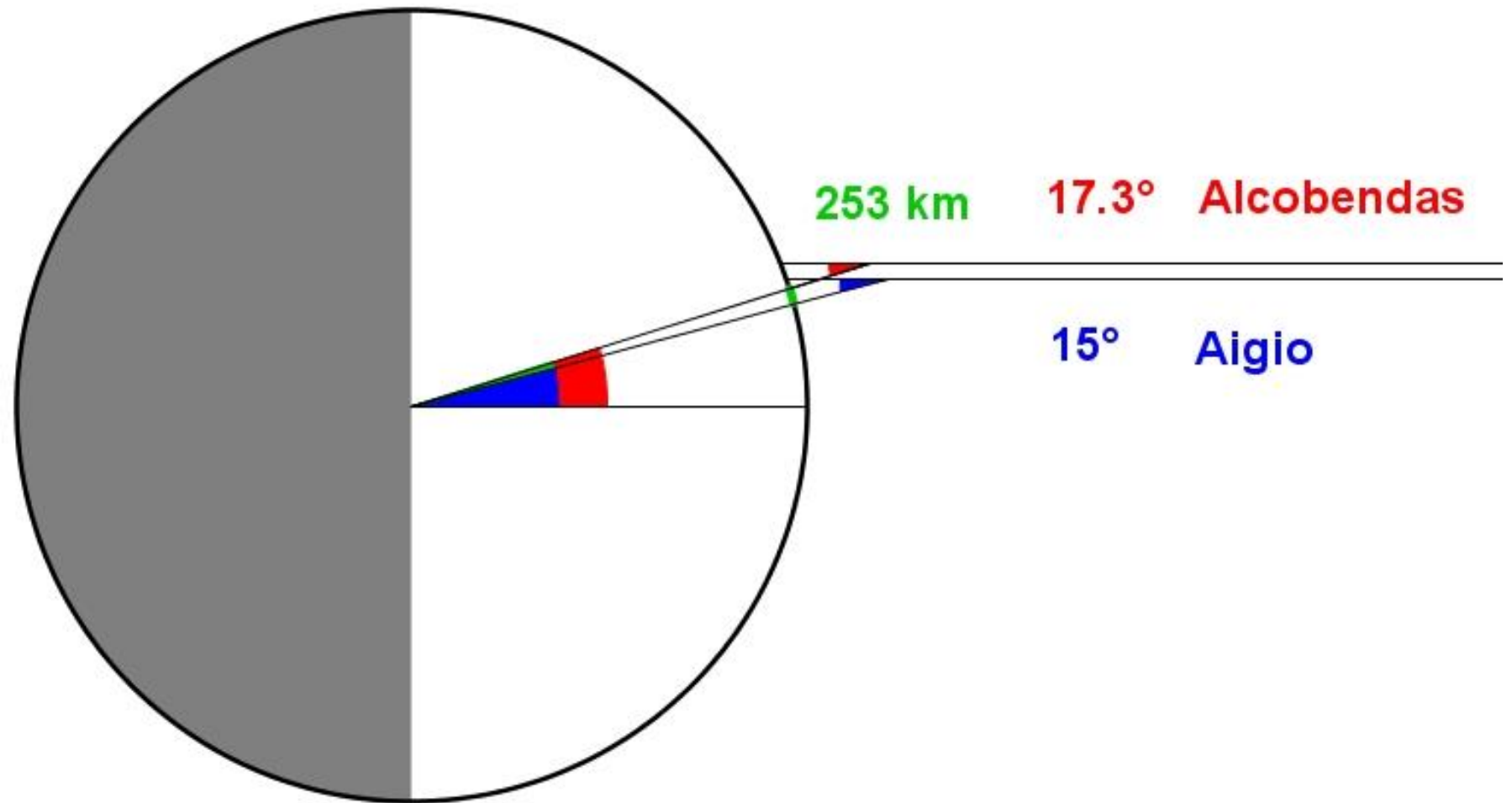


# Aigio



12 June 2015 (Alcobendas-SPAIN) Latitude: 40.53°

12 June 2015 (Aigio-GREECE) Latitude: 38.25°



$$\text{circumference} = \frac{360^\circ \times 253 \text{ km}}{17.3^\circ - 15^\circ} = 39600 \text{ km}$$

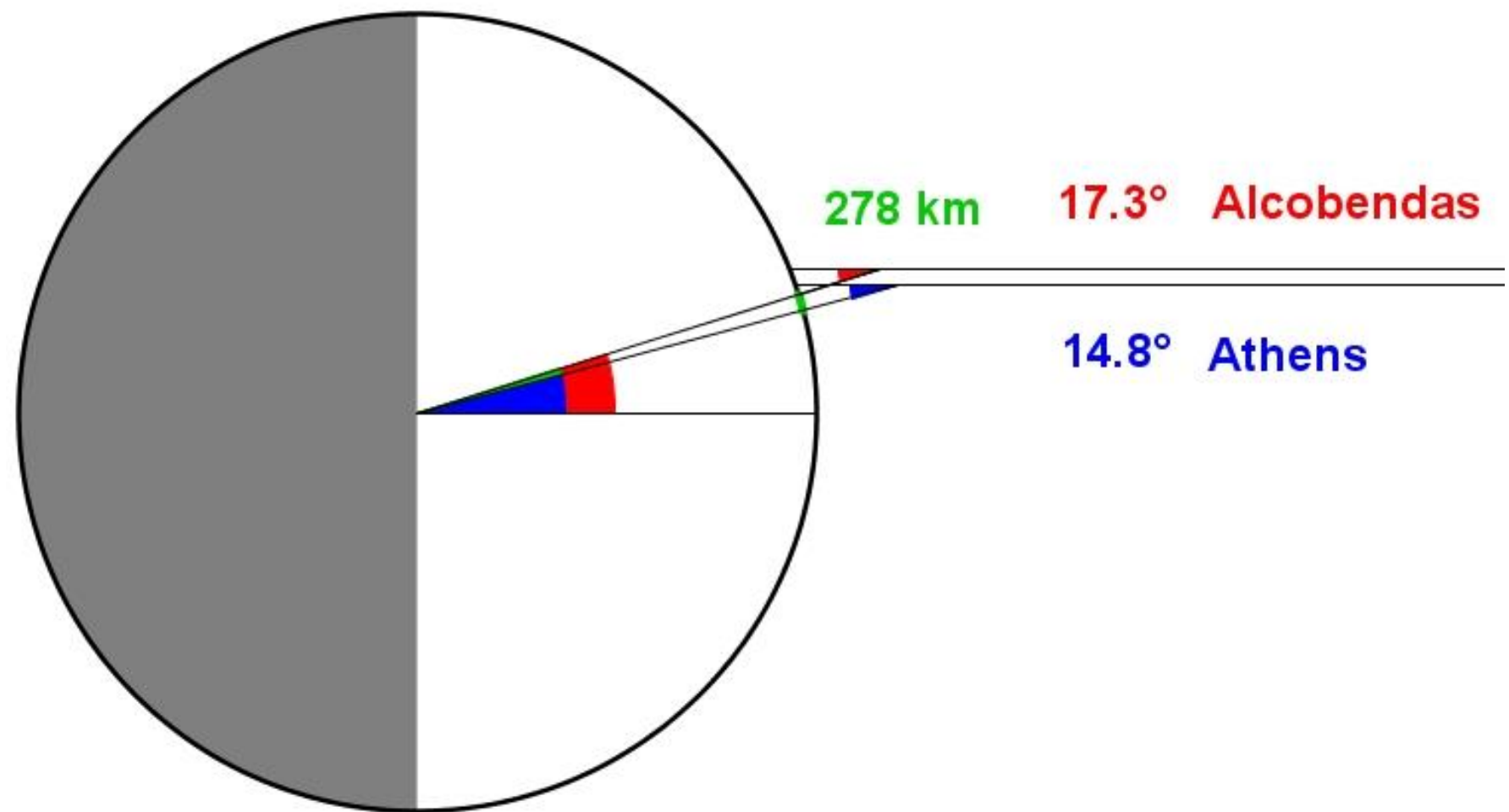


# Athens



12 June 2015 (Alcobendas-SPAIN) Latitude: 40.53°

12 June 2015 (Athens-GREECE) Latitude: 38.03°



$$\text{circumference} = \frac{360^\circ \times 278 \text{ km}}{17.3^\circ - 14.8^\circ} = 40032 \text{ km}$$

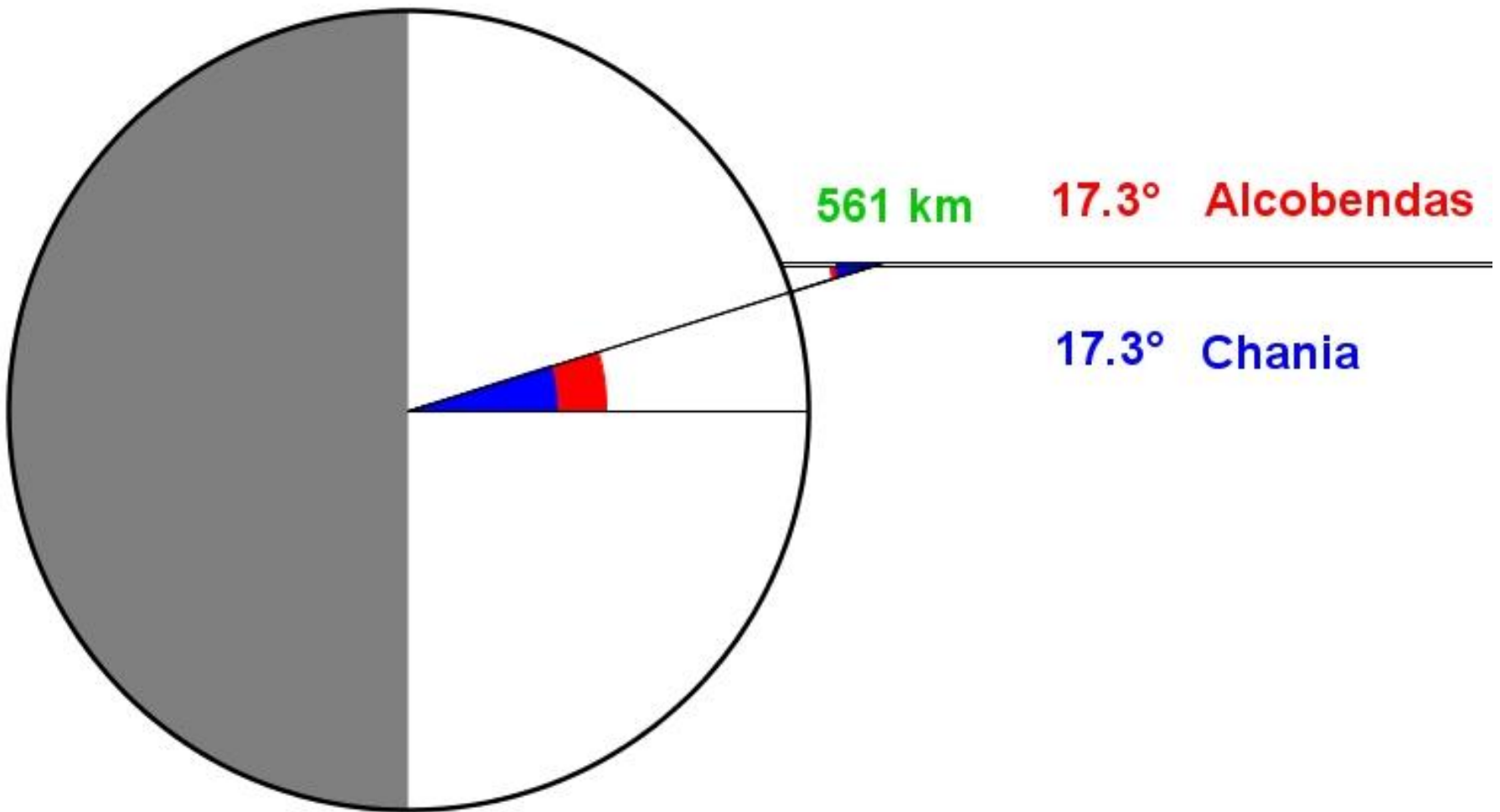


# Chania



12 June 2015 (Alcobendas-SPAIN) Latitude: 40.53°

10 June 2015 (Chania-GREECE) Latitude: 35.49°



$$\text{circumference} = \frac{360^\circ \times 561 \text{ km}}{17.3^\circ - 17.3^\circ} = \infty \text{ km}$$

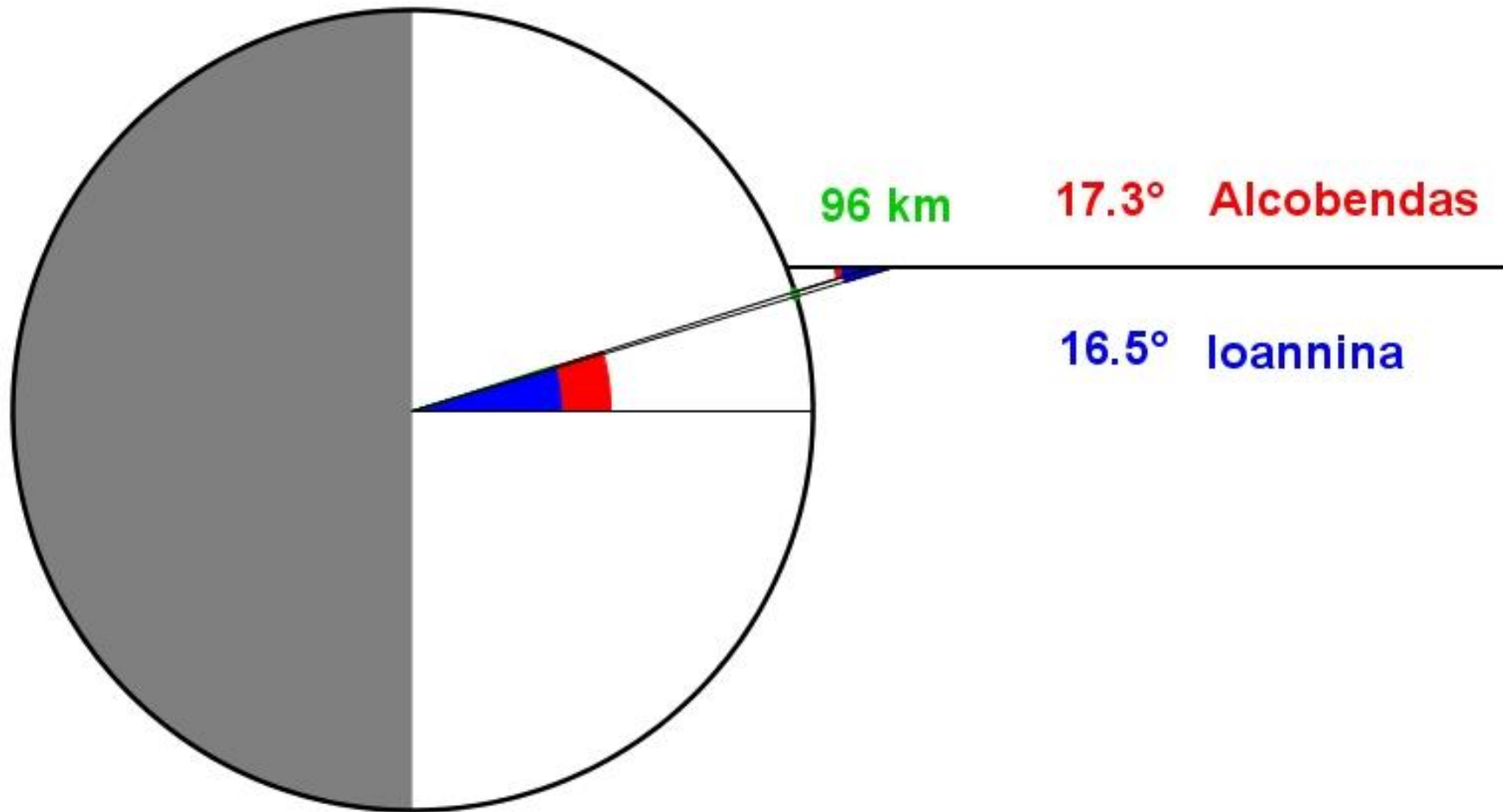


Ioannina



12 June 2015 (Alcobendas-SPAIN) Latitude: 40.53°

09 June 2015 (Ioannina-GREECE) Latitude: 39.67°



$$\text{circumference} = \frac{360^\circ \times 96 \text{ km}}{17.3^\circ - 16.5^\circ} = 43200 \text{ km}$$

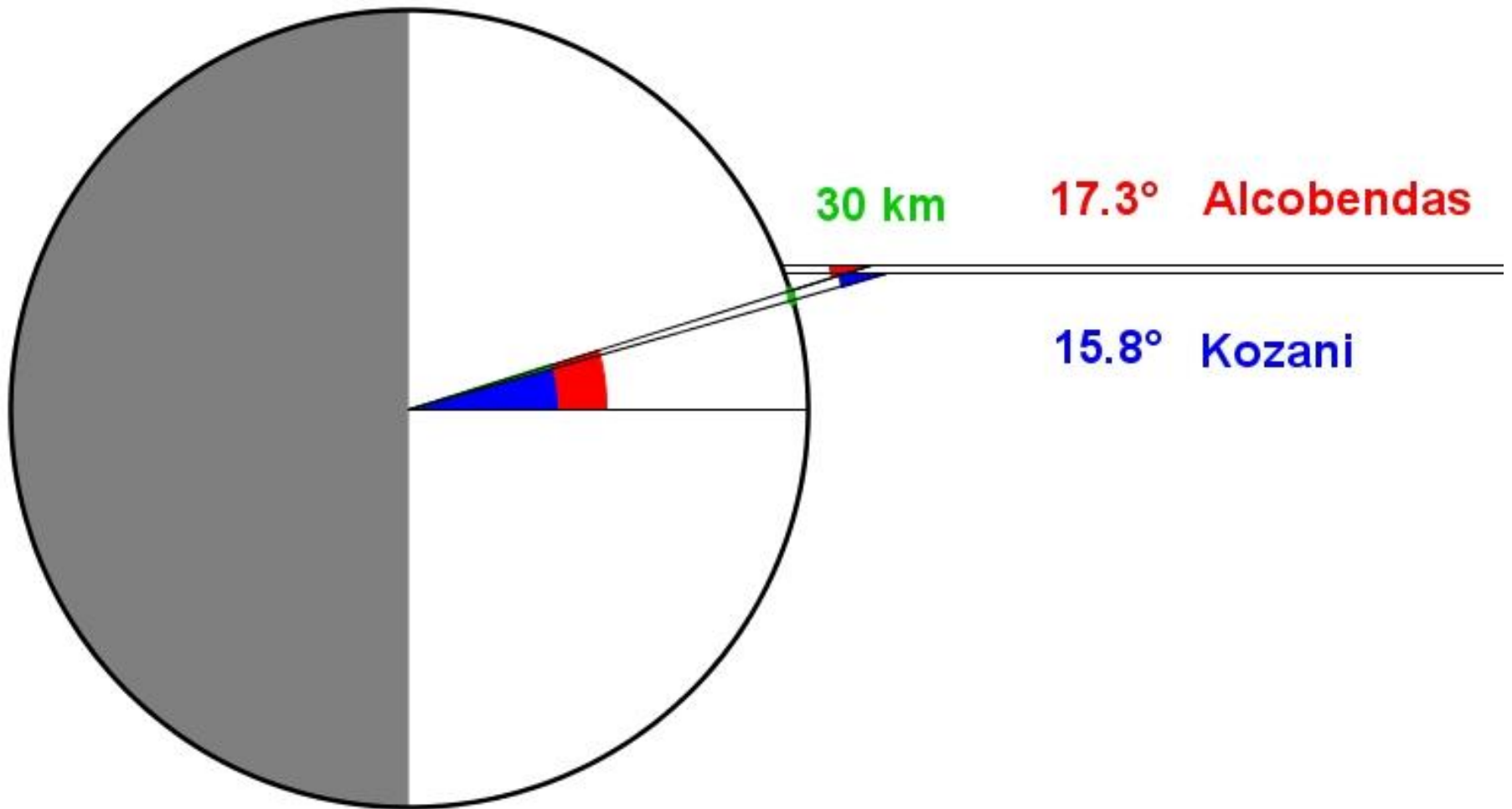


**Kozani**



12 June 2015 (Alcobendas-SPAIN) Latitude: 40.53°

11 June 2015 (Kozani-GREECE) Latitude: 40.27°



$$\text{circumference} = \frac{360^\circ \times 30 \text{ km}}{17.3^\circ - 15.8^\circ} = 7200 \text{ km}$$

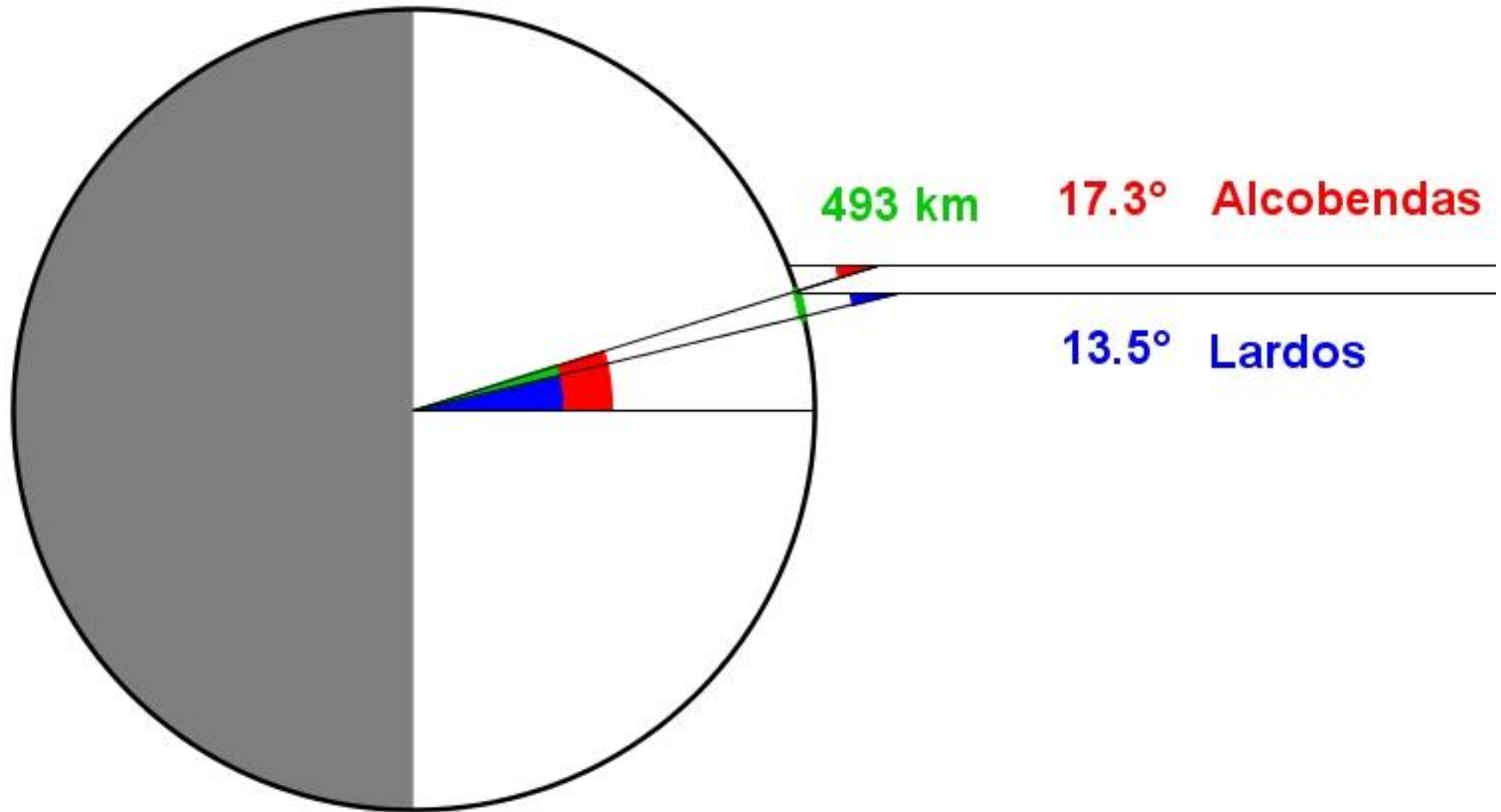


# Lardos



12 June 2015 (Alcobendas-SPAIN) Latitude: 40.53°

9 June 2015 (Lardos-GREECE) Latitude: 36.09°



$$\text{circumference} = \frac{360^\circ \times 493 \text{ km}}{17.3^\circ - 13.5^\circ} = 46705 \text{ km}$$



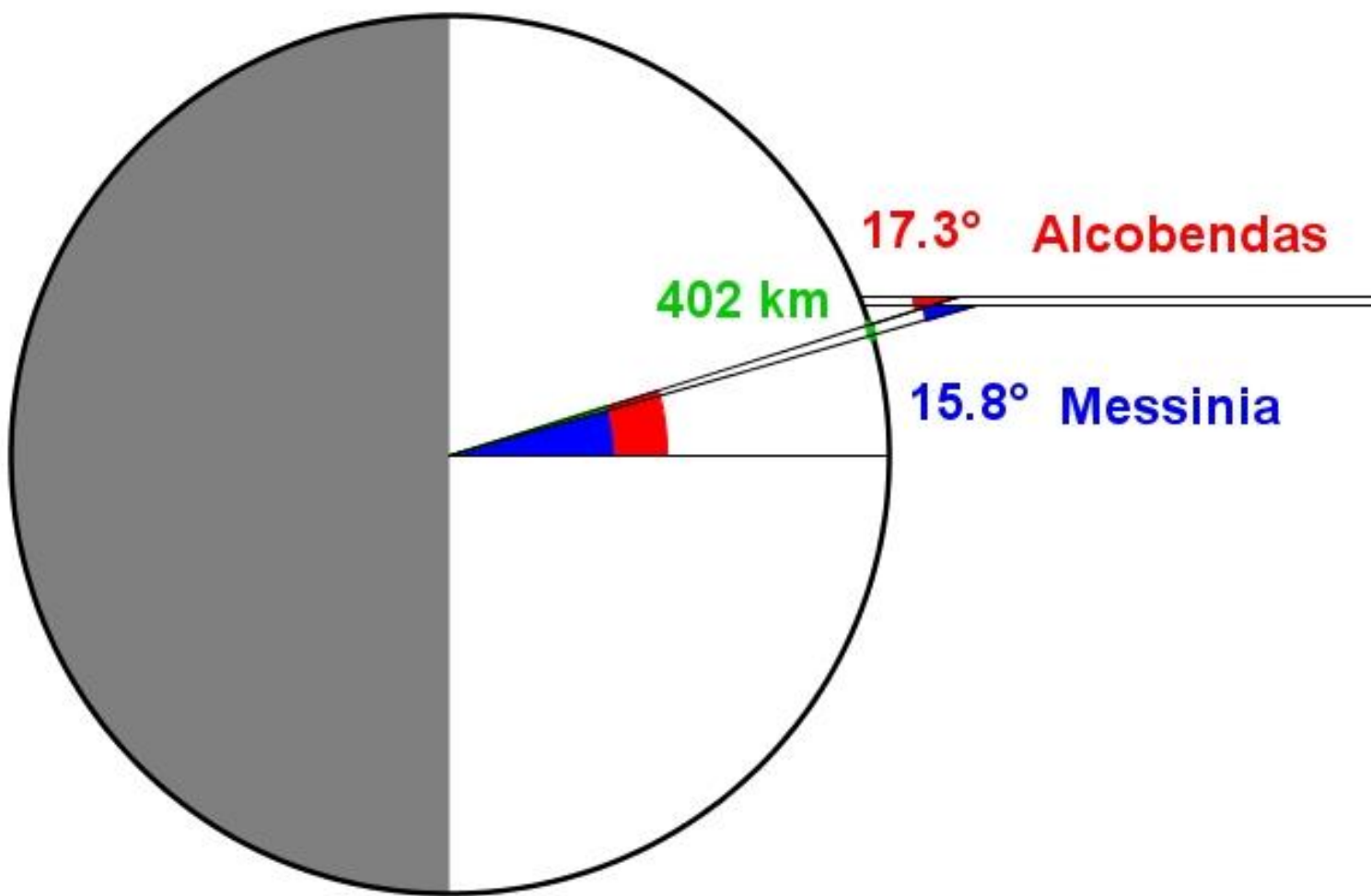
# Messinia

In Alexandria there was a very large library where manager was Ptolemy Sthenes.



12 June 2015 (Alcobendas-SPAIN) Latitude: 40.53°

11 June 2015 (Messinia-GREECE) Latitude: 36.91°



circumference =  $\frac{360^\circ \times 402 \text{ km}}{17.3^\circ - 15.8^\circ} = 96480 \text{ km}$

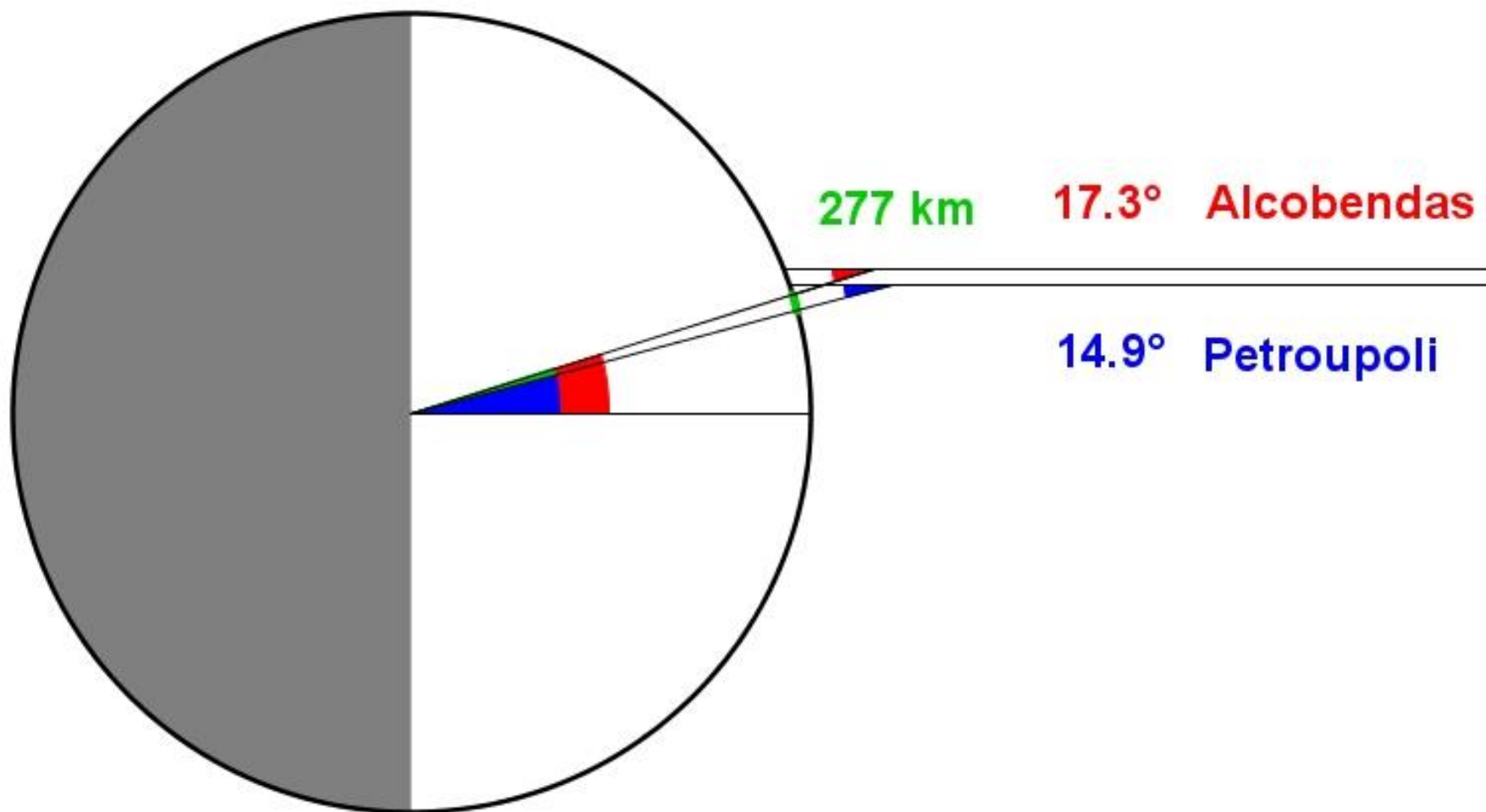


# Petroupoli



12 June 2015 (Alcobendas-SPAIN) Latitude: 40.53°

09 June 2015 (Petroupoli-GREECE) Latitude: 38.04°



$$\text{circumference} = \frac{360^\circ \times 277 \text{ km}}{17.3^\circ - 14.9^\circ} = 41550 \text{ km}$$