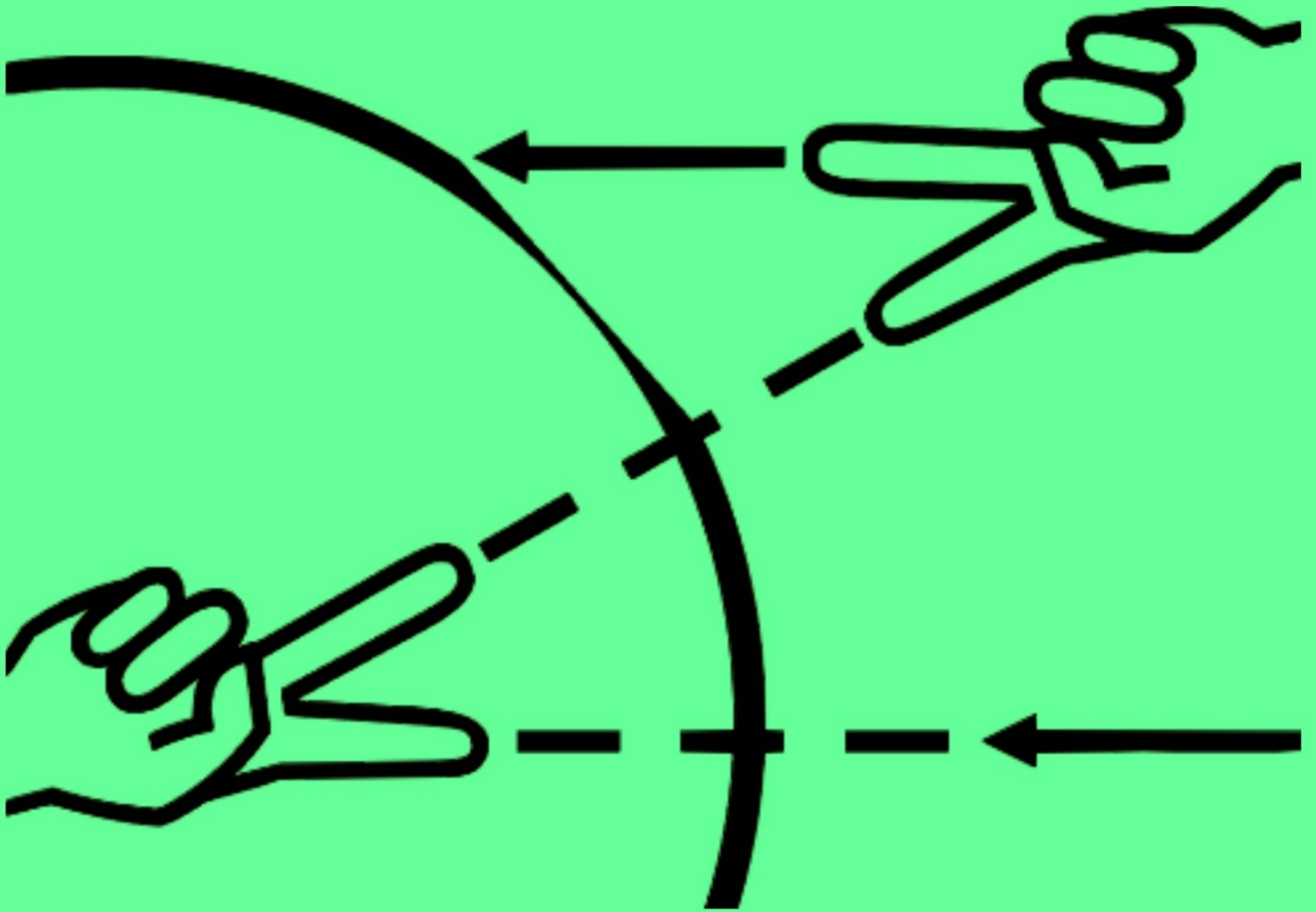


Eratostrhenes



2 Continents

3 Countries

6 Schools

33 Measures

N°67

July 2021

2 Continents

3 Countries

6 Schools

33 Measures

ARGENTINA (2)

Alta Gracia, Chivilcoy

BRAZIL (3)

Méier, Rio de Janeiro, Santarém

GREECE (1)

Ilion

Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Alta Gracia	Argentina	Fundación Caminos de Anisacate	-31.659	-64.417
	Chivilcoy	Argentina	Parque Cielos del Sur	-34.911	-60.014
	Ilion	Greece	11th JuniorHigh School of Ilion	38.033	23.697
	Méier	Brazil	Escola Municipal Bento Ribeiro	-22.904	-43.280
	Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317
	Santarém	Brazil	Santarém Adventist College	-2.439	-54.699

Alta Gracia, Argentina

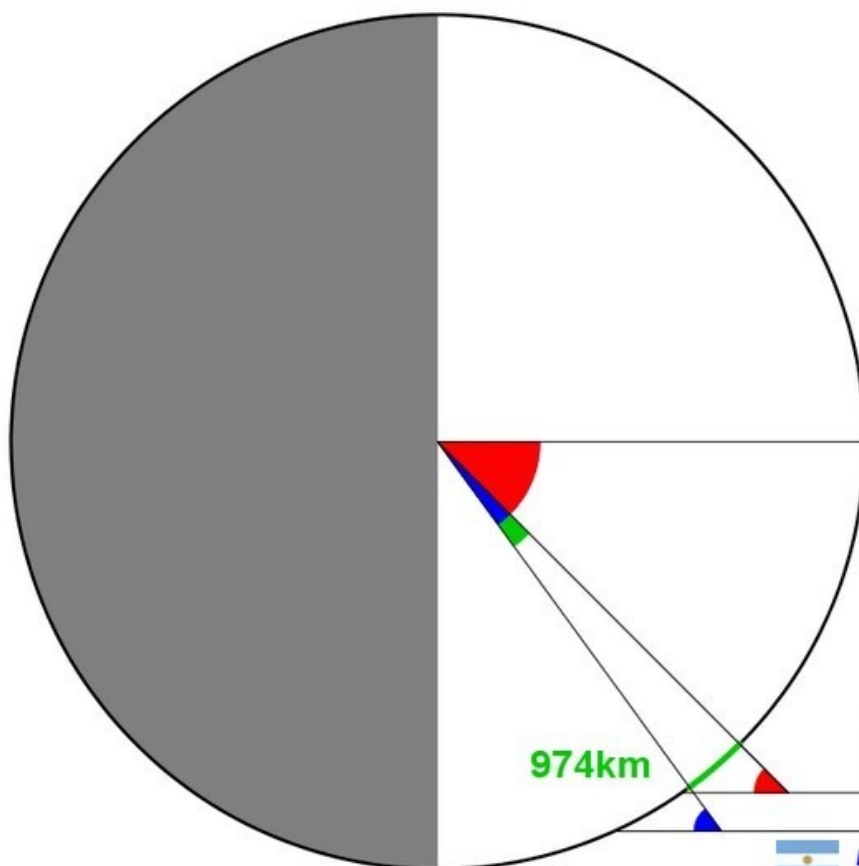


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Alta Gracia	Argentina	Fundación Caminos de Anisacate	-31.659	-64.417

Date	Gnomon	Shadow	Angle
02 July 2021	17.5cm	-24cm	-53.9°

02/07/2021 (Rio de Janeiro-Brazil) Latitude: -22.89°

02/07/2021 (Alta Gracia-Argentina) Latitude: -31.656°



 45° Rio de Janeiro

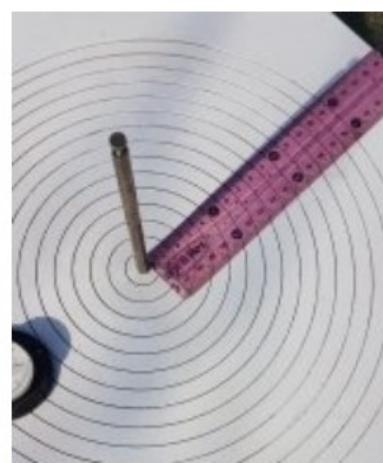
 53.9° Alta Gracia

Distance	Angle
circumference	360°
974km	53.9° - 45°

$$\text{circumference} = \frac{360^\circ \times 974\text{km}}{53.9^\circ - 45^\circ} = 39398 \text{ km}$$



Chivilcoy, Argentina

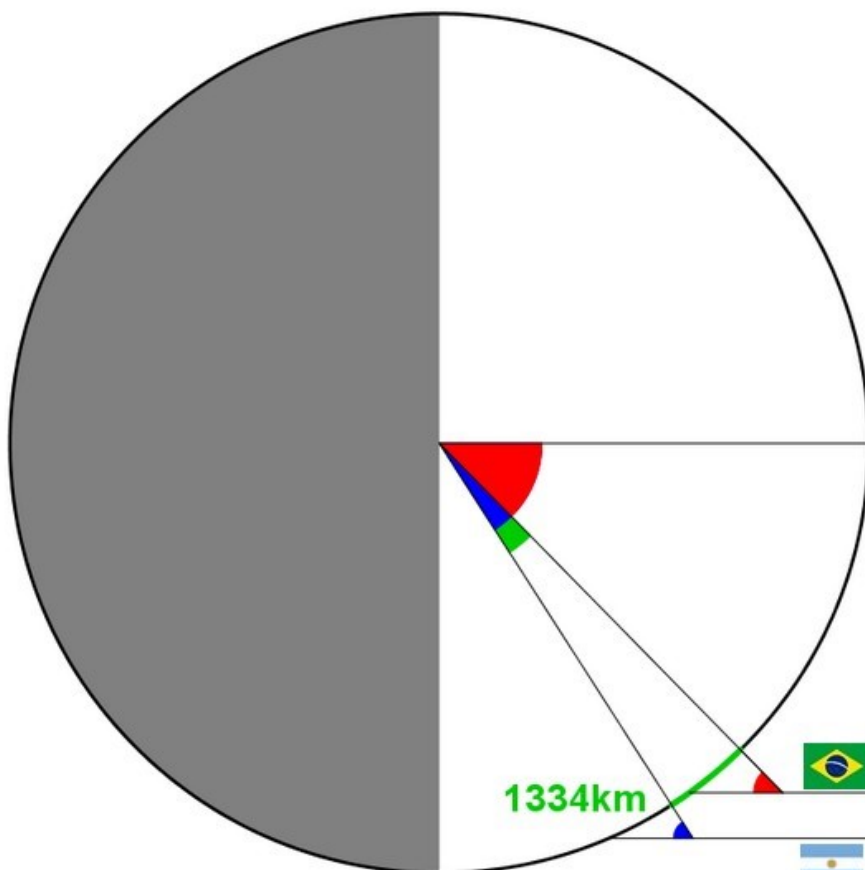


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Chivilcoy	Argentina	Parque Cielos del Sur	-34.911	-60.014

Date	Gnomon	Shadow	Angle
02 July 2021	12.0cm	-19.1cm	-57.9°
08 July 2021	12.0cm	-18.7cm	-57.3°
09 July 2021	12cm	-18.6cm	-57.2°

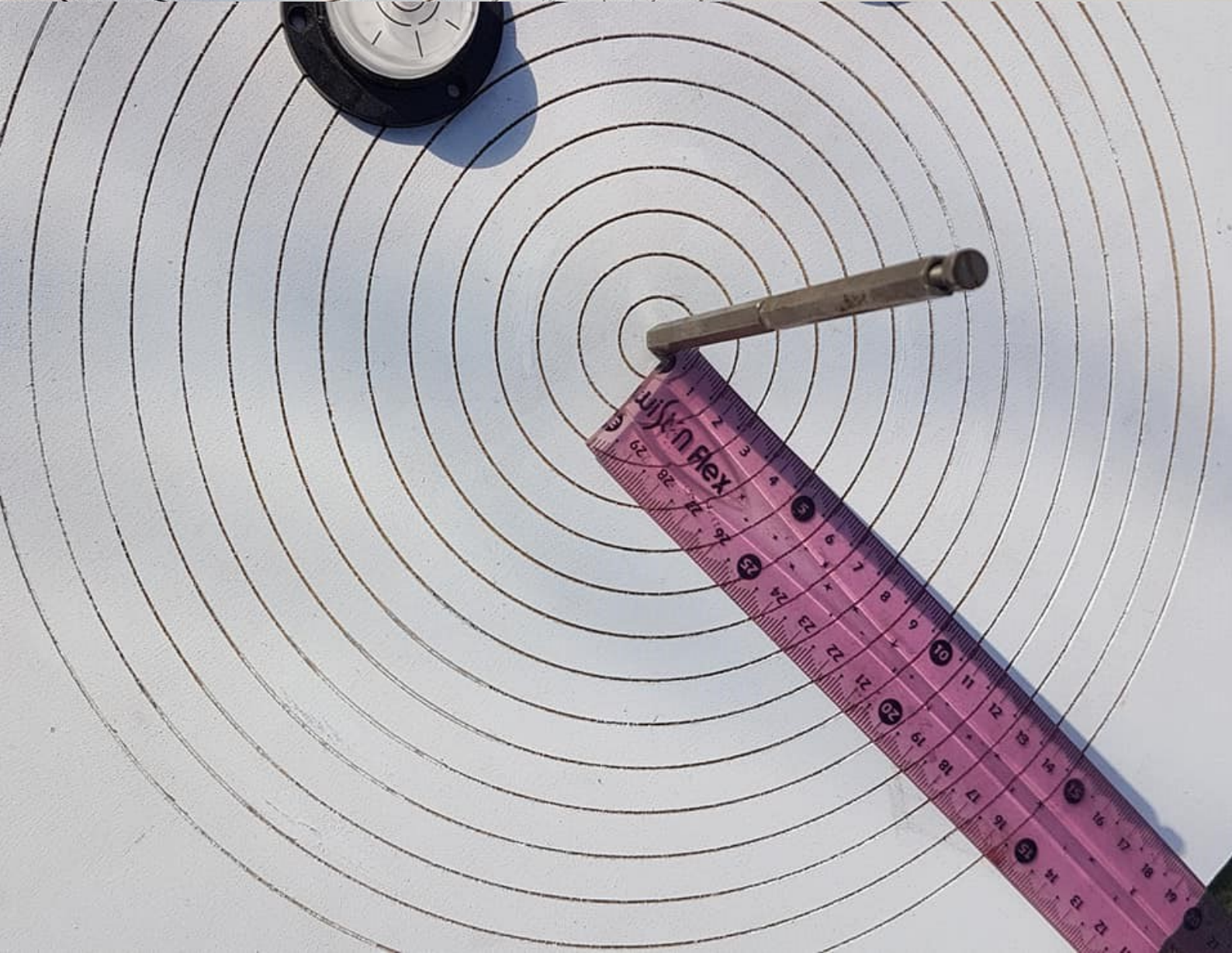
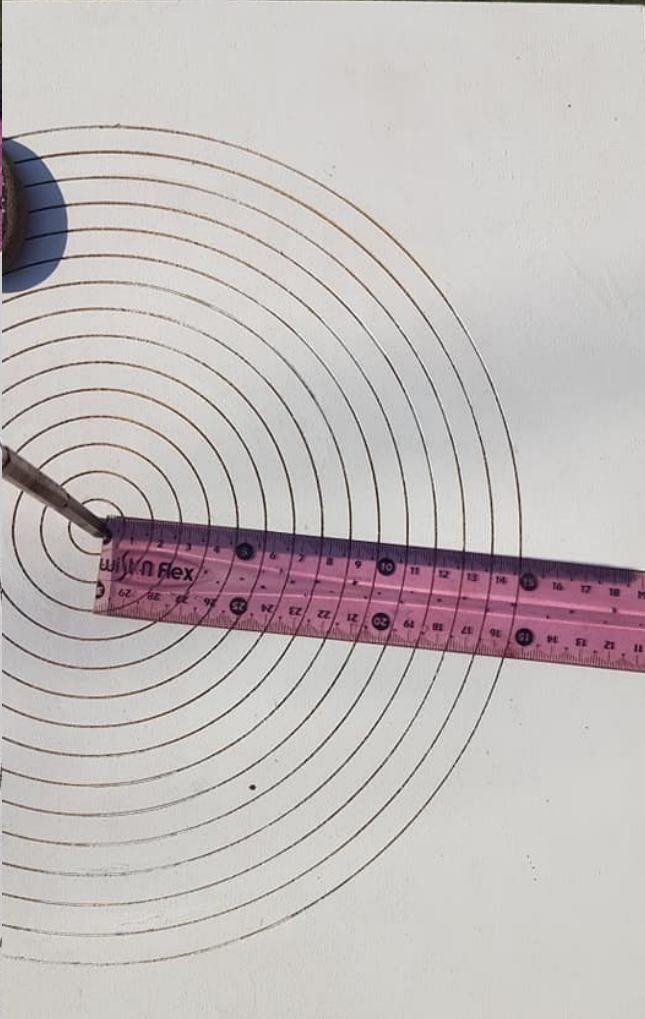
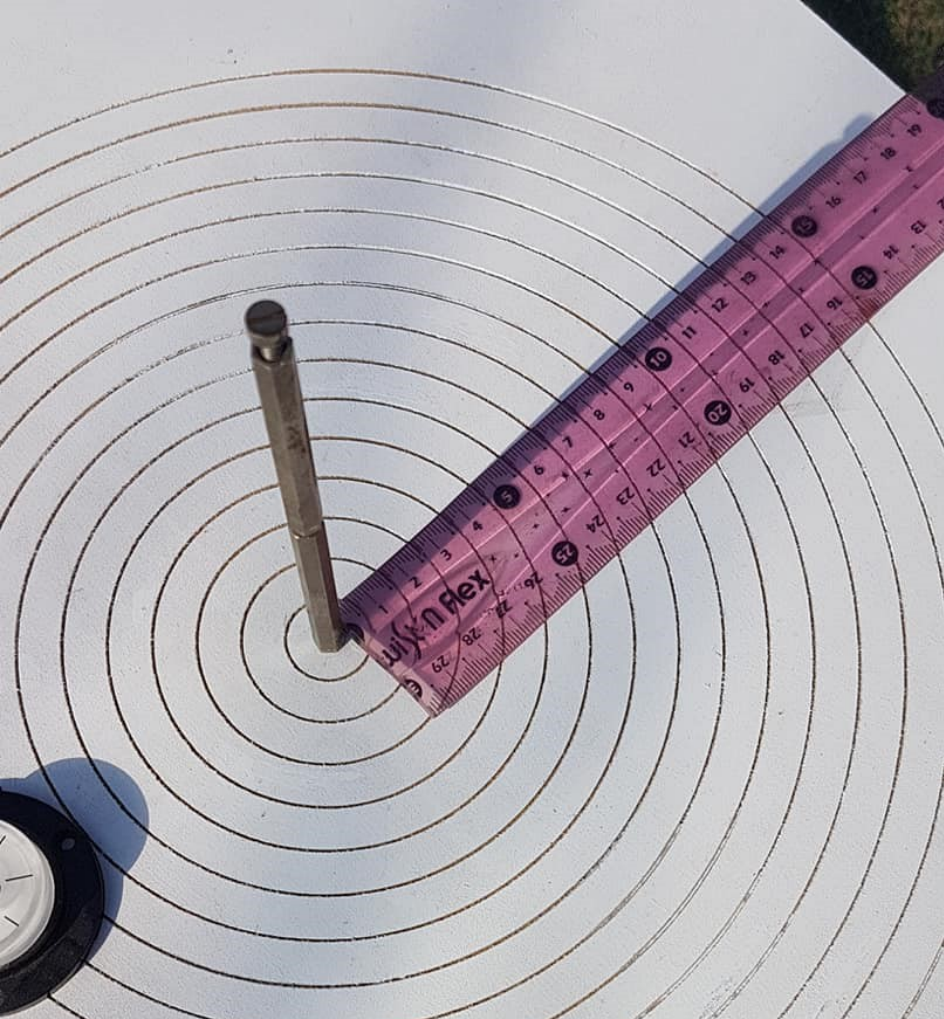
08/07/2021 (Méier-Brazil) Latitude: -22.904°

08/07/2021 (Chivilcoy-Argentina) Latitude: -34.911°



Distance	Angle
circumference	360°
1334km	57.3° - 45.5°

$$\text{circumference} = \frac{360^\circ \times 1334\text{km}}{57.3^\circ - 45.5^\circ} = 40698 \text{ km}$$



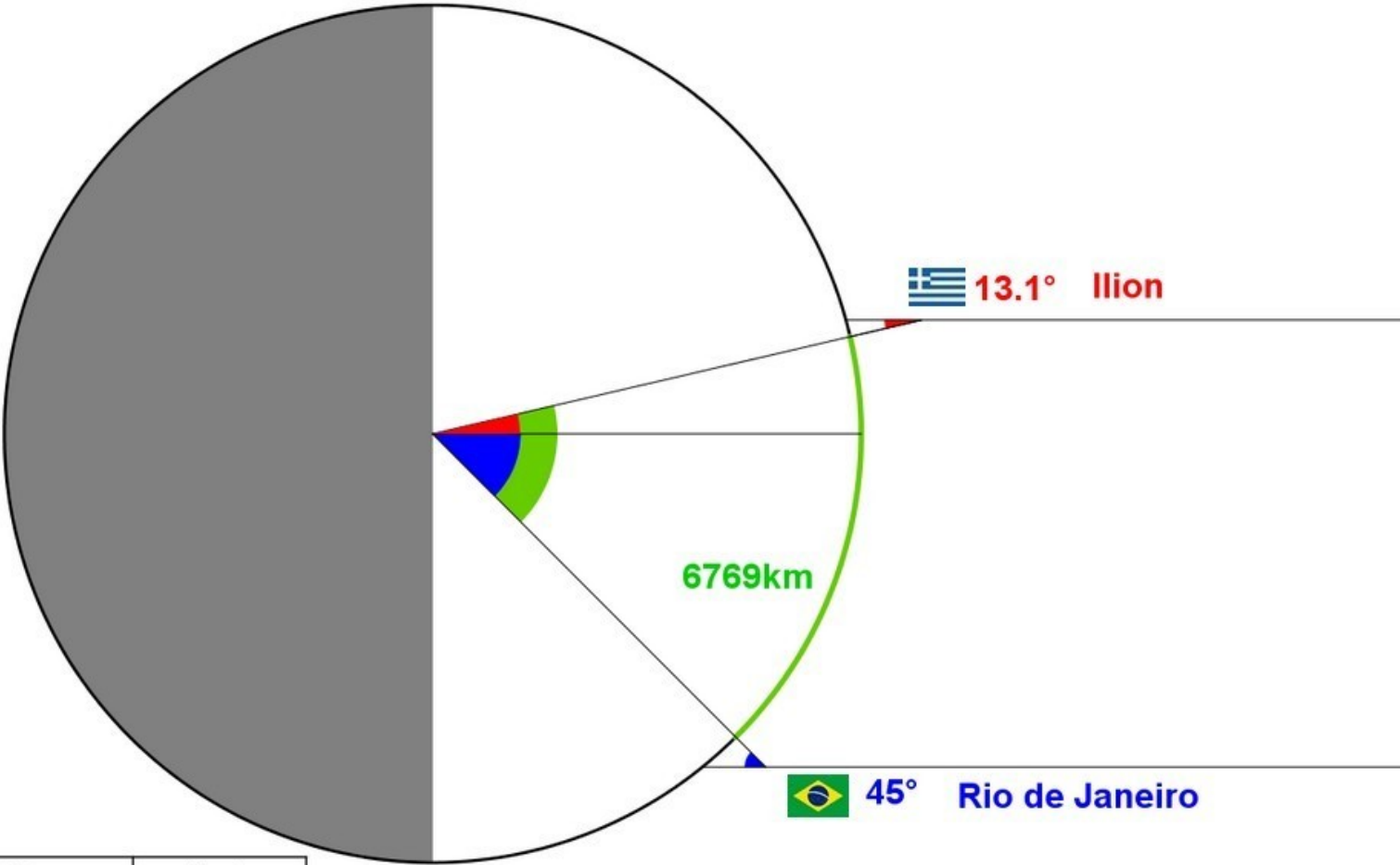
Ilion, Greece



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

Date	Gnomon	Shadow	Angle
01 July 2021	16.8cm	3.9cm	13.1°
14 July 2021	40.0cm	11.5cm	16.0°

01/07/2021 (Ilion-Greece) Latitude: 38.033°
01/07/2021 (Rio de Janeiro-Brazil) Latitude: -22.89°



Distance	Angle
circumference	360°
6769km	13.1° + 45°

circumference = $\frac{360^\circ \times 6769\text{km}}{13.1^\circ + 45^\circ} = 41942 \text{ km}$



Méier, Brazil

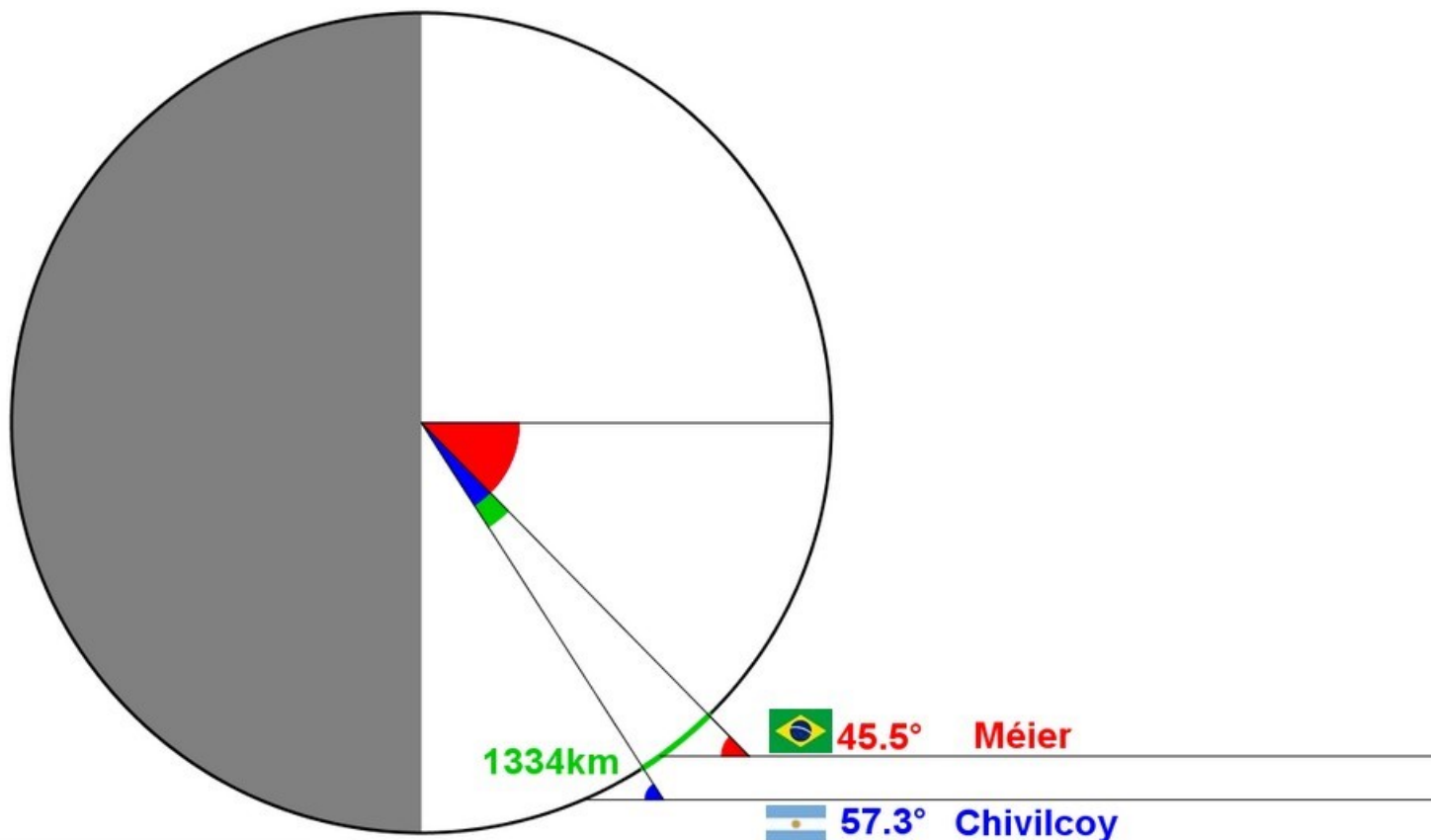


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Méier	Brazil	Escola Municipal Bento Ribeiro	-22.904	-43.280

Date	Gnomon	Shadow	Angle
01 July 2021	54.0cm	-53.0cm	-44.5°
02 July 2021	54cm	-53.0cm	-44.5°
06 July 2021	54.0cm	-56.0cm	-46.0°
08 July 2021	54.0cm	-55.0cm	-45.5°
10 July 2021	54.0cm	-50.0cm	-42.8°
11 July 2021	54.0cm	-50.0cm	-42.8°
12 July 2021	54.0cm	-50.0cm	-42.8°
13 July 2021	54.0cm	-50.0cm	-42.8°
15 July 2021	54.0cm	-50.0cm	-42.8°
22 July 2021	54.0cm	-45.0cm	-39.8°
23 July 2021	54.0cm	-53.0cm	-44.5°
24 July 2021	54.0cm	-48.0cm	-41.6°
25 July 2021	54.0cm	-47.0cm	-41.0°
26 July 2021	54.0cm	-39.0cm	-35.8°

08/07/2021 (Méier-Brazil) Latitude: -22.904°

08/07/2021 (Chivilcoy-Argentina) Latitude: -34.911°

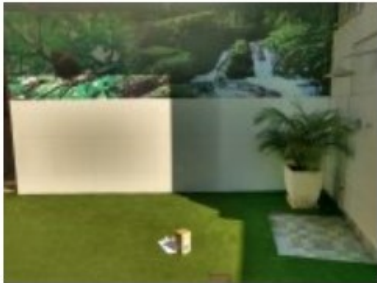


Distance	Angle
circumference	360°
1334km	57.3° - 45.5°

$$\text{circumference} = \frac{360^\circ \times 1334\text{km}}{57.3^\circ - 45.5^\circ} = 40698 \text{ km}$$



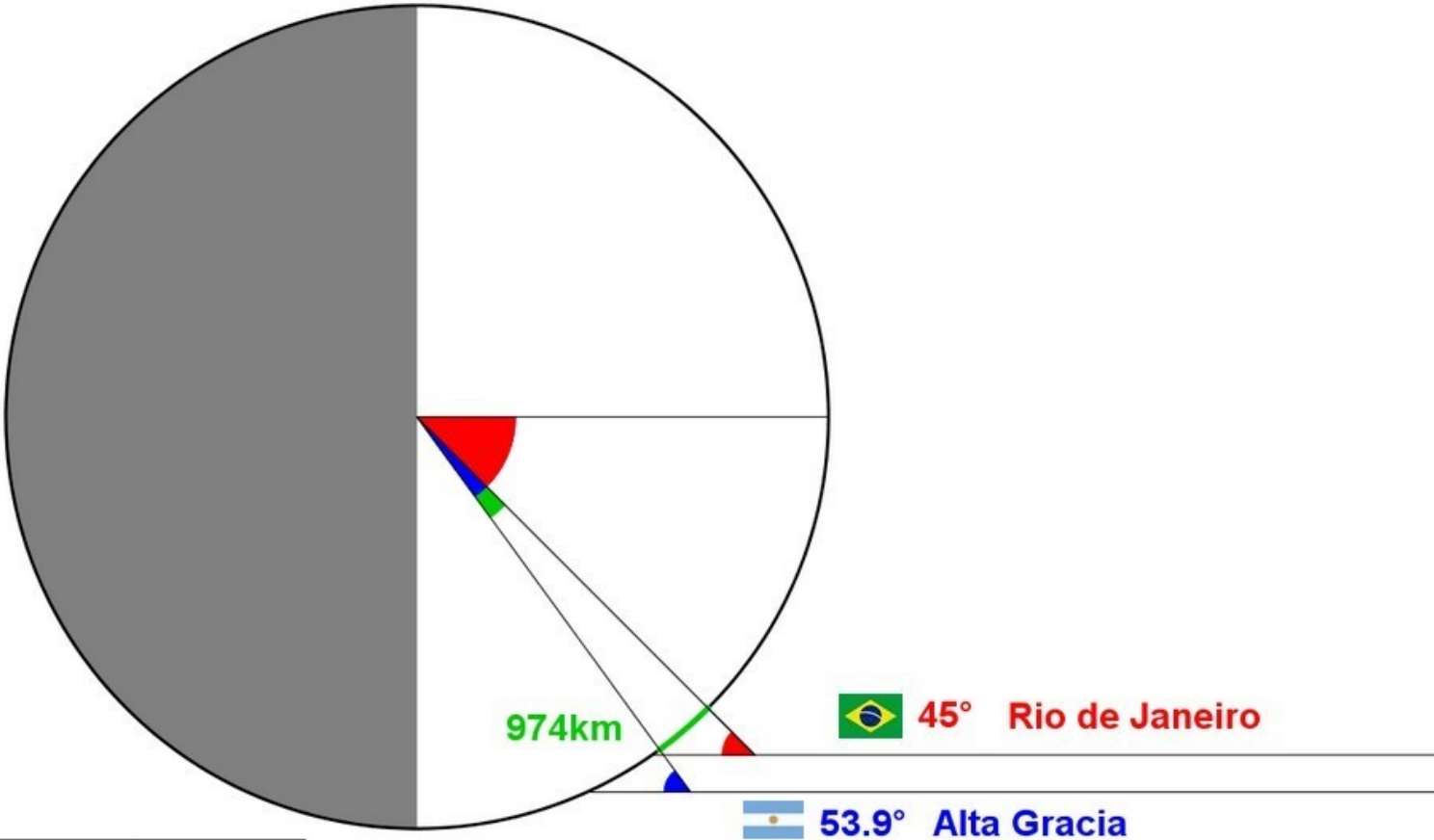
Rio de Janeiro CENOM, Brazil



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 July 2021	20.0cm	-20.0cm	-45.0°
02 July 2021	20.0cm	-20.0cm	-45.0°

02/07/2021 (Rio de Janeiro-Brazil) Latitude: -22.89°
02/07/2021 (Alta Gracia-Argentina) Latitude: -31.656°



Distance	Angle
circumference	360°
974km	53.9° - 45°

circumference = $\frac{360^\circ \times 974\text{km}}{53.9^\circ - 45^\circ} = 39398 \text{ km}$



Santarém, Brazil

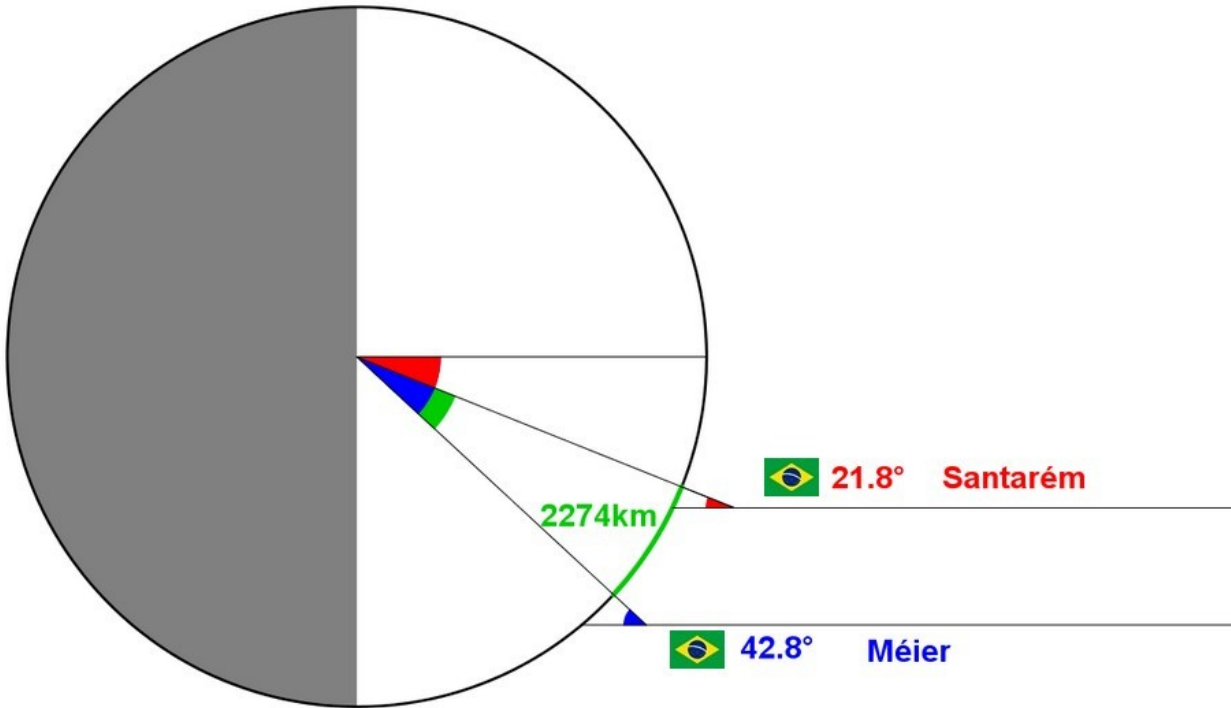


Flag	City	Country	School	Latitude (°) +N/-S	Longitude (°) +E/-W
	Santarém	Brazil	Santarém Adventist College	-2.439	-54.699

Date	Gnomon	Shadow	Angle
01 July 2021	10.0cm	-4.0cm	-21.8°
03 July 2021	10cm	-4.0cm	-21.8°
08 July 2021	10cm	-4.0cm	-21.8°
09 July 2021	10.0cm	-4.0cm	-21.8°
11 July 2021	10.0cm	-4.0cm	-21.8°
13 July 2021	10.0cm	-4.0cm	-21.8°
14 July 2021	10.0cm	-4.0cm	-21.8°
19 July 2021	10.0cm	-5.0cm	-26.6°
20 July 2021	10.0cm	-5.0cm	-26.6°
24 July 2021	9cm	-5.0cm	-29.1°
26 July 2021	7.6cm	-4.0cm	-27.8°

13/07/2021 (Santarém-Brazil) Latitude: -2.439°

13/07/2021 (Méier-Brazil) Latitude: -22.904°



Distance	Angle
circumference	360°
2274km	42.8° - 21.8°

circumference = $\frac{360^\circ \times 2274\text{km}}{42.8^\circ - 21.8^\circ} = 38983 \text{ km}$

Santarém-PA
Amazônia-Brasil
Pedro Henrique
Sombra: 4 cm
Haste: 10 cm
Horário: 12:04



Santarém-PA
Amazônia-Brasil
Pedro Henrique
Sombra: 4 cm
Haste: 10 cm
Horário: 12:05



Santarém-PA
Amazônia-Brasil
Pedro Henrique
Sombra: 4 cm
Haste: 10 cm
Horário: 12:00



