## Eratosthenes

#### world space week 2015

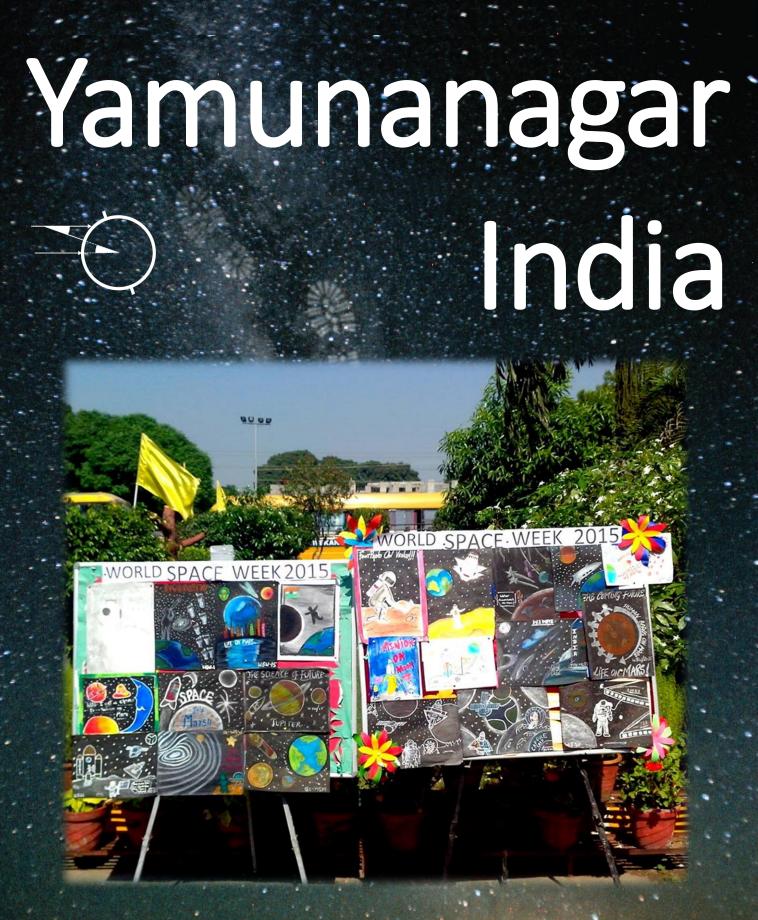
During the World Space Week, 4 Indian schools, 4 Greek schools, 1 Italian school 1 French school Calculated the circumference of the

Aigio GREECE Dholpur INDIA Kozani GREECE Ioannina GREECE Petroupoli GREECE Yamunanagar INDIA Lafrançaise FRANCE Pont Saint Martin ITALY





4-10 October 2015 World Space Wee October 4-10 www.worldspaceweek.org



Govt. Senior Secondary School, Alahar Swami Vivekanand Public School Holy Mother Public School

#### Space Design



17



119

A



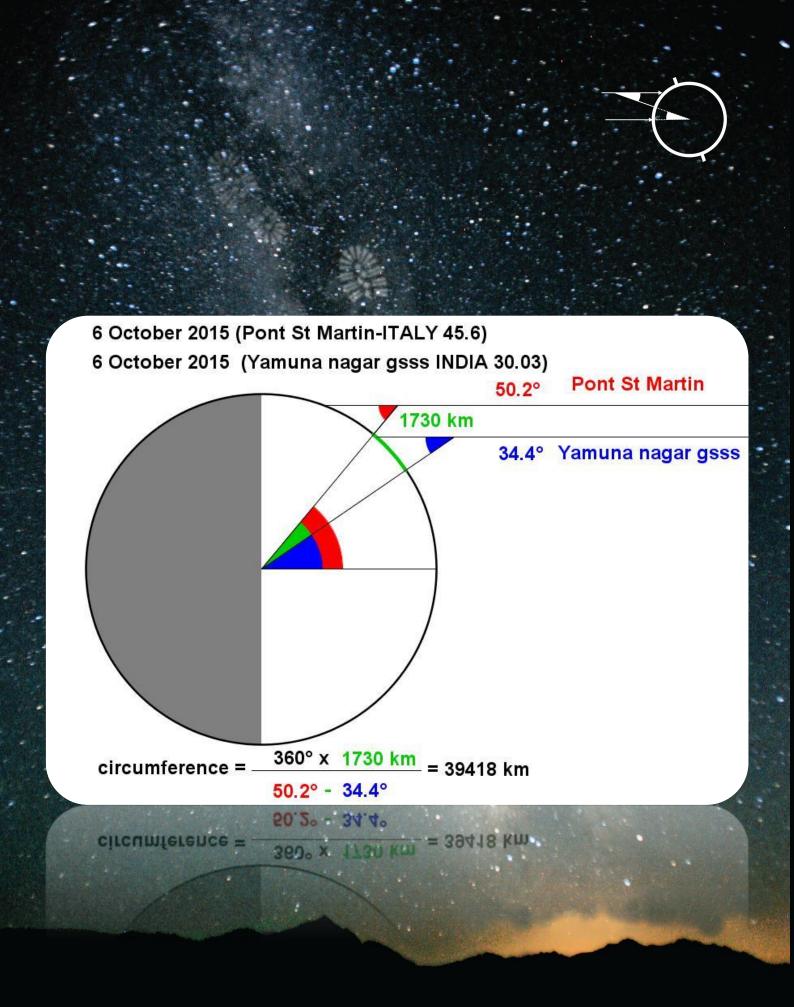
#### Swami Vivekanand Public School



#### Swami Vivekanand Public School



Govt. Senior Secondary School, Alahar

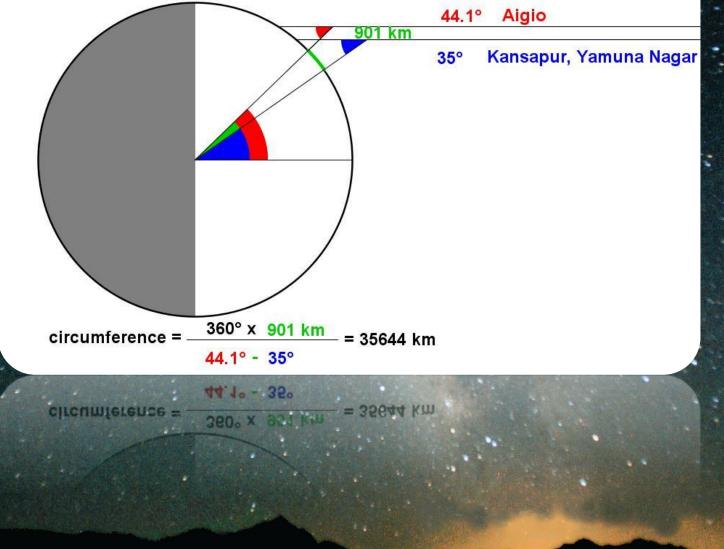








8 October 2015 (Aigio-GREECE 38.25) 8 October 2015 (Kansapur, Yamuna Nagar INDIA 30.15)

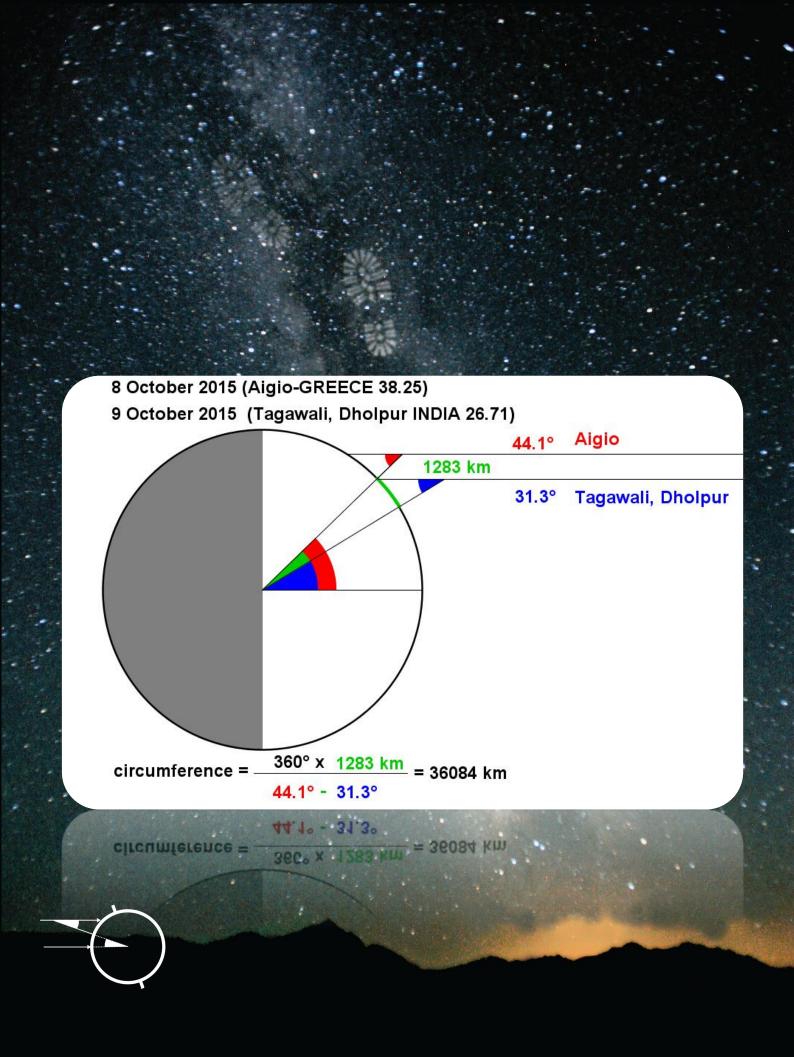


## Dholpur India

8 October 2015 (Aigio-GREECE 38.25) 8 October 2015 (Kansapur, Yamuna Nagar INDIA 30.15) 44.1° Aigio km Kansapur, Yamuna Nagar 35° 360° x 901 km circumference = = 35644 km 44.1° - 35° 44.1° - 35° : 35644 km circumterence = 360° X 901 KIT

Govt. Senior Secondary School

# Aigio Greece

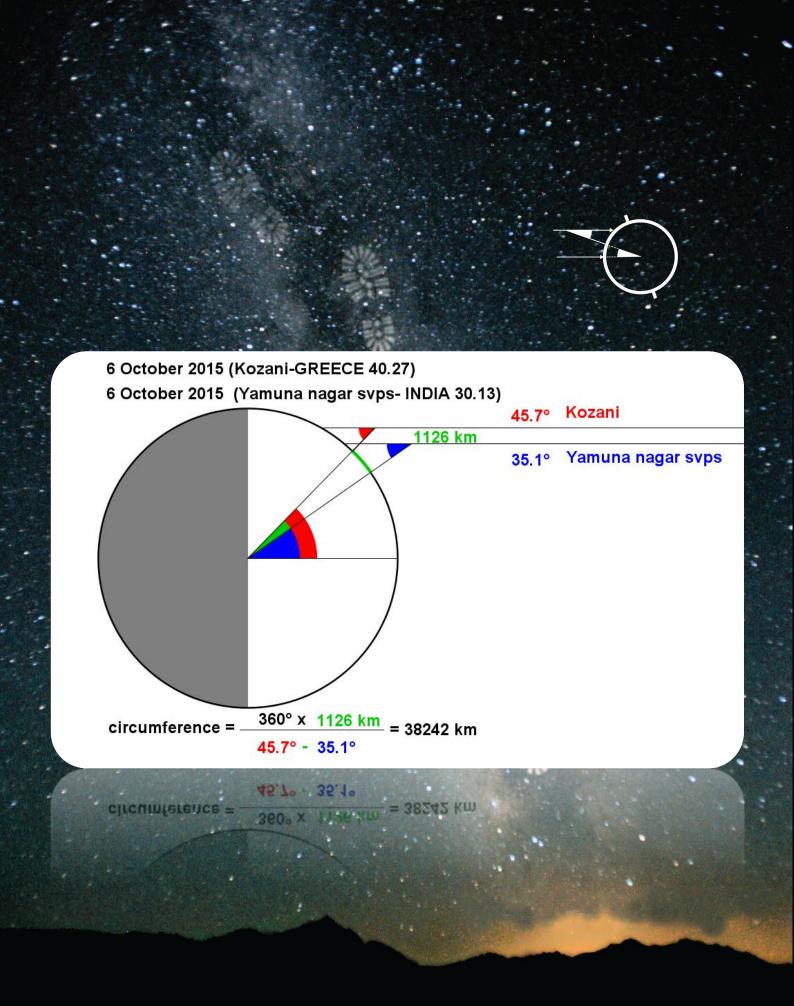


1st High School of Aigio

## Kozani Greece

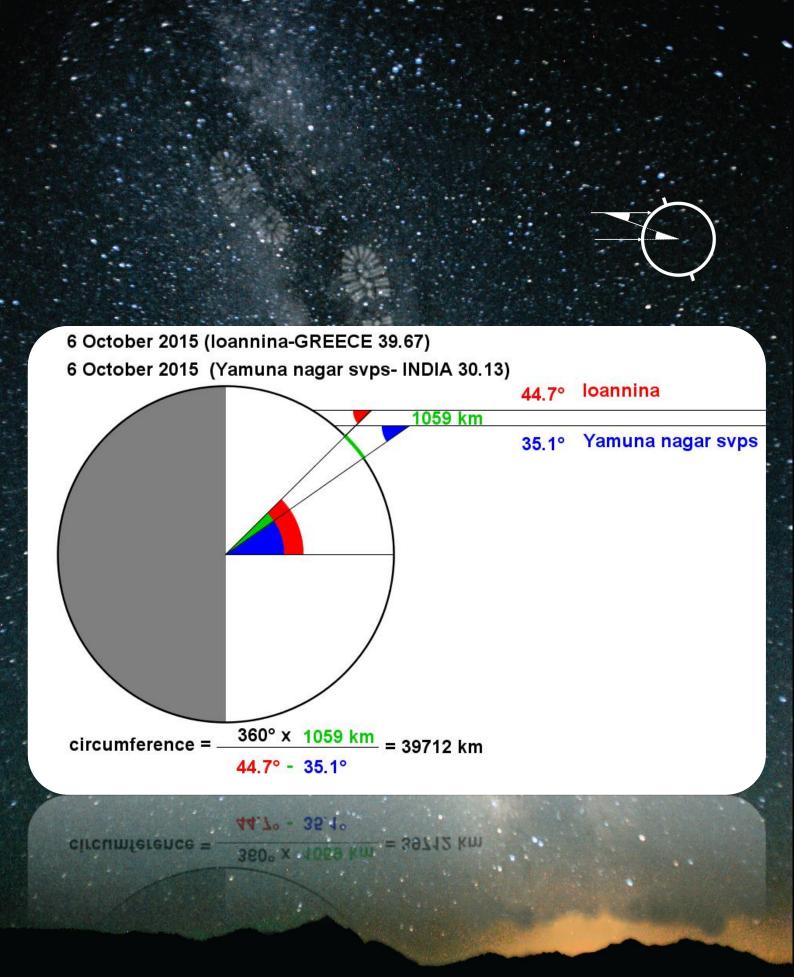






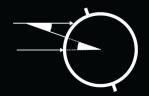
**1st Junior High School in Krokos** 

## Ioannina Greece

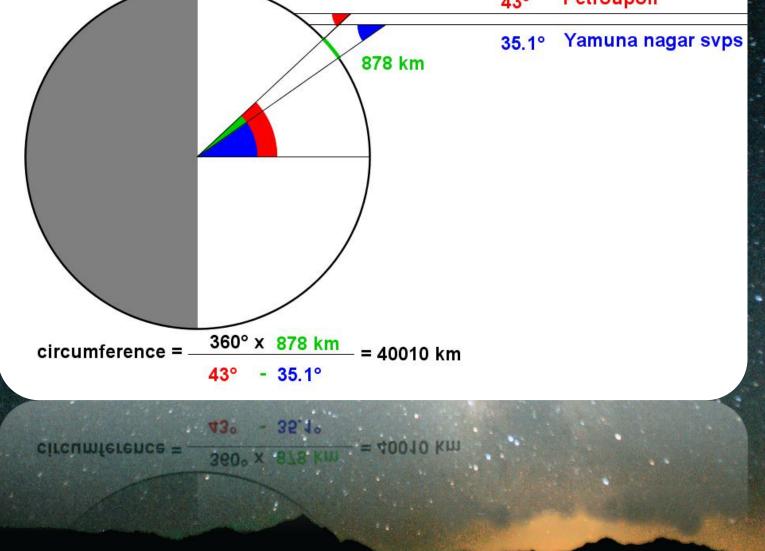


#### Collège Pilote Expérimental Zosimaias Scholis Ioannina

## Petroupoli Greece



6 October 2015 (Petroupoli-GREECE 38.04) 6 October 2015 (Yamuna nagar svps- INDIA 30.13) 43° Petroupoli

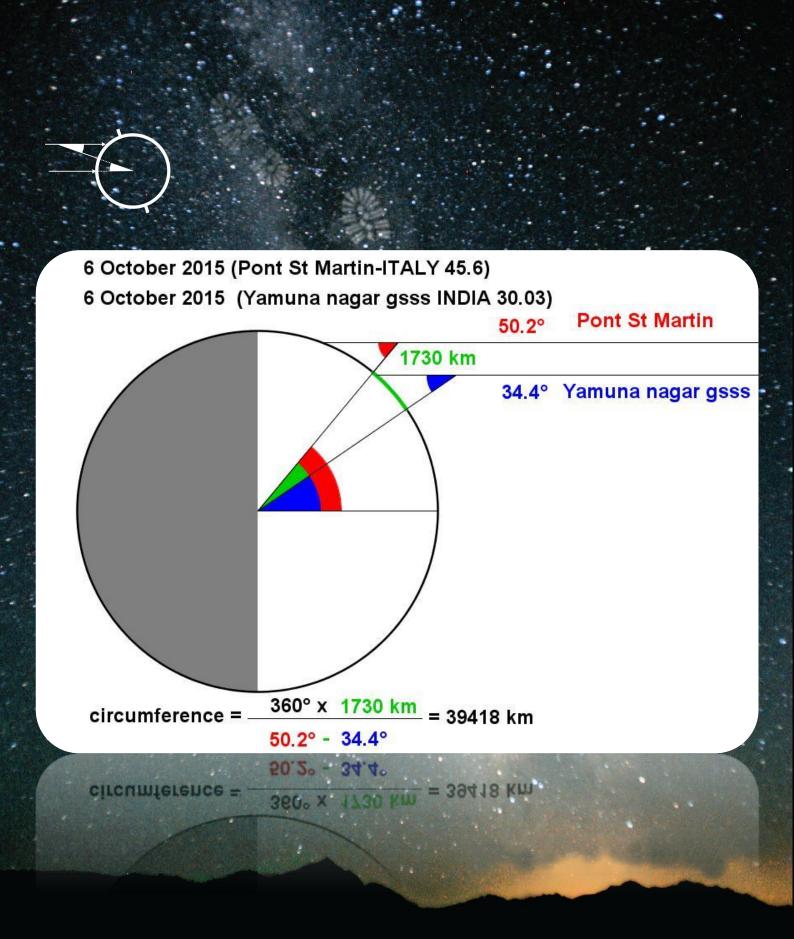


4th Junior High School of Petroupoli

## Pont St Martin

Italy

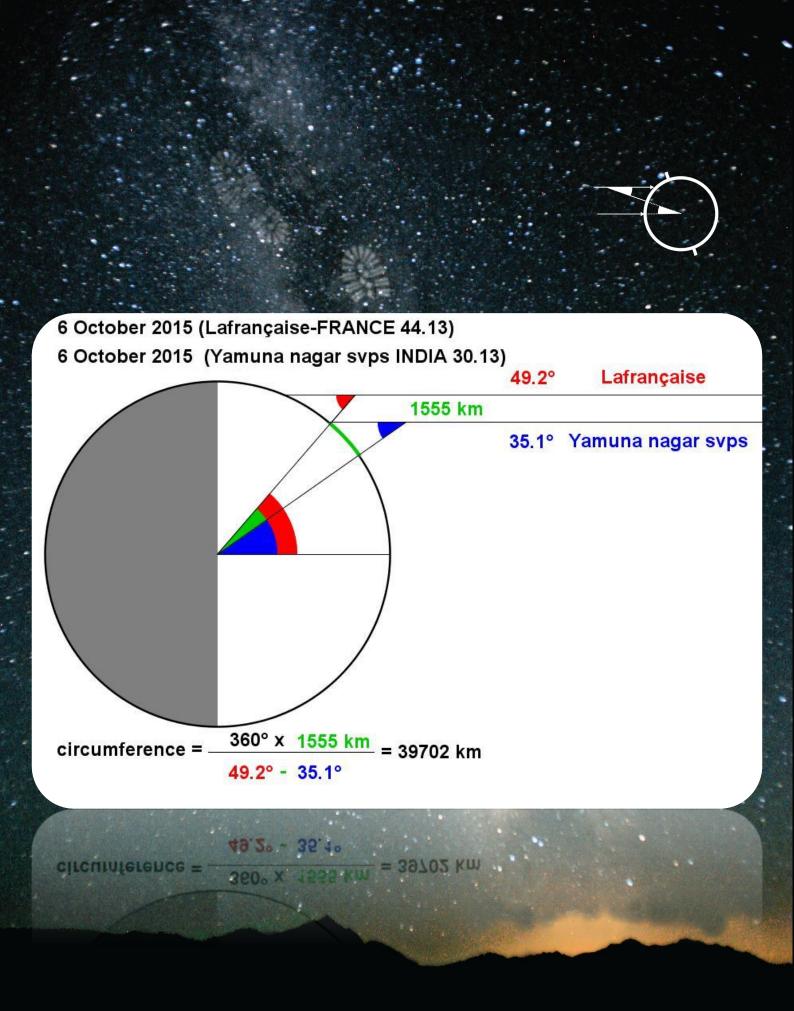




#### Istituzione Scolastica Monte Rosa A

## Lafrançaise

### France



Collège Antonin Perbosc

## Results

City	Country	School	Latitude (+N/-S) decimal(°)	Longitude	Date	Gnomon height [cm ]	Shadow length [cm ]	Angle (°)
Pont St Martin	Italy	Istituzione Scolastica Monte Rosa A	45.601	7.795	5/10/2015	100.0	120.0	50.2
Lafrançaise	France	Collège Perbosc	44.127	1.237	6/10/2015	100.0	116.0	49.2
Kozani	Greece	Junior High School of Krokos	40.265	21.815	6/10/2015	100.0	102.4	45.7
Ioannina	Greece	Collège Modèle de "Zosimaias Scholis"	39.667	20.850	6/10/2015	100.0	99.0	44.7
Petroupoli	Greece	4th Junior High School	38.036	23.674	6/10/2015	119.0	111.0	43.0
Yamuna nagar svps	India	Swami Vivekanand Public School	30.133	77.283	6/10/2015	62.0	43.5	35.1
Yamuna nagar gsss	India	Govt. Senior Secondary School, Alahar	30.033	77.200	6/10/2015	62.0	42.5	34.4

5-6/10/2015		Pont St Martin		Kozani	Ioannina	Petroupoli	Yamuna nagar svps	Yamuna nagar gsss	
	Angle >	50.2	49.2	45.7	44.7	43.0	35.1	34.4	
	Latitude V								
Pont St Martin	45.601		59040	47440	43135	42000	40959	39418	С
Lafrançaise	44.127	164		44126	39680	39310	39702	38092	1
Kozani	40.265	593	429		23760	33067	38242	36223	R
Ioannina	39.667	659	496	66		38329	39713	37398	С
Petroupoli	38.036	840	677	248	181		40010	37214	U
Yamuna nagar svps	30.133	1718	1555	1126	1059	878		5657	М
Yamuna nagar gsss	30.033	1730	1566	1137	1070	889	11		F
				DISTANCE					

City	Country	School	Latitude (+N/-S) decimal(°)	Longitude	Date	Gnomon height [cm]	Shadow length [cm]	Angle (°)
Petroupoli	Greece	4th Junior High School	38.036	23.674	9/10/2015	119.0	115.5	44.1
Aigio	Greece	1st Junior High School	38.252	22.079	8/10/2015	86.0	83.3	44.1
Dholpur	India	Govt. senior secondary school Tagawali	26.708	77.908	9/10/2015	74.0	45.0	31.3
Yamunanagar	India	C V RAMAN SCIENCE CLUB	30.145	77.268	8/10/2015	51.0	35.7	35.0

8-9/10/2015		Petroupoli	Aigio	Dholpur	Yamunanagar	
	Angle >	44.1	44.1	31.3	35.0	
	Latitude V					
Petroupoli	38.036		#DIV/01	35409	34695	С
Aigio	38.252	-24		36084	35644	1
Dholpur	26.708	1259	1283		37168	R
Yamunanagar	30.145	877	901	-382	1	С
			DISTANCE	E		

