

City	Country	School	Latitude (+N/-S) decimal(°)	Longitude (+E/-W) decimal(°)	Date	Gnomon height [cm]	Shadow length [cm]	Angle (°)
Petroupoli	Greece	4th Junior High School of Petroupolis	38.036	23.674	02/09/2019	52.3	30.3	30.1
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	02/09/2019	100.0	75.9	37.2
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	03/09/2019	39.0	30.0	37.6
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	03/09/2019	100.0	74.0	36.5
Petroupoli	Greece	4th Junior High School of Petroupolis	38.036	23.674	03/09/2019	52.3	30.7	30.4
Dholpur	India	Adarsh-Duwati Senior Secondary School	26.806	77.898	03/09/2019	27.5	11.0	21.8
Bayamón ESC	Puerto Rico	Escuela Cacique Majagua	18.330	-66.187	03/09/2019	66.0	14.0	12.0
Comerío	Puerto Rico	Escuela Superior Vocacional	18.220	-66.226	03/09/2019	49.5	12.0	13.6
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	03/09/2019	20.0	-12.5	-32.0
Petroupoli	Greece	4th Junior High School of Petroupolis	29.532	62.380	02/09/2019	37.2	19.2	24.2
Busteni	Romania	Scoala Gimnaziala Sanatoriala	26.548	73.038	02/09/2019	27.5	10.9	21.8
Lafrançaise	France	Collège Antonin Perbosc	23.564	83.697	03/09/2019	17.8	2.5	19.5
Comerío	Puerto Rico	Escuela Superior Vocacional	18.220	-66.226	03/09/2019	49.5	12.0	13.6
Aigio	Greece	1st High School of Aigio	38.252	22.079	04/09/2019	30.0	18.1	31.1
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	04/09/2019	20.0	-10.5	-27.7
Comerío	Puerto Rico	Escuela Superior Vocacional	18.220	-66.226	04/09/2019	49.5	11.0	12.5
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	05/09/2019	100	76.3	37.3
Piranguinho	Brazil	Universidade Federal de Itajubá	-22.411	-45.535	05/09/2019	70	-38.9	-29.1
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	06/09/2019	37	29.6	38.7
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	06/09/2019	100	76.8	37.5
Ioannina	Greece	7th Junior High School of Ioannina	39.653	20.852	06/09/2019	89	57.9	33
Petroupoli	Greece	4th Junior High School of Petroupolis	38.036	23.674	06/09/2019	52.3	32.2	31.6
Guarne	Colombia	Grupo Astrofánaticos	6.274	-75.447	06/09/2019	100.0	0.0	0.0
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	09/09/2019	100.0	83.6	39.9
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	09/09/2019	100	80.5	38.8
Petroupoli	Greece	4th Junior High School of	38.036	23.674	09/09/2019	52.3	33.6	32.7
Bayamón	Puerto Rico	AECM Caribbean University	18.383	-66.168	09/09/2019	60.0	15.0	14.0
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	09/09/2019	20	-10	-26.6
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	10/09/2019	20.0	-10.0	-26.6
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	12/09/2019	100	84.2	40.1
Petroupoli	Greece	4th Junior High School of	38.036	23.674	12/09/2019	52.3	35	33.8
Dholpur	India	Swami Vivekanand Govt Model Scho	26.778	77.570	12/09/2019	60.0	25.0	22.6
Guarne	Colombia	Grupo Astrofánaticos	6.274	-75.447	12/09/2019	30.5	1.2	2.3
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	12/09/2019	20.0	-10.0	-26.6
Buenos Aires	Argentina	ENS N° 1	-34.455	-58.544	12/09/2019	120.0	-95.0	-38.4
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	13/09/2019	100.0	84.8	40.3
Buenos Aires	Argentina	ENS N° 1	-34.455	-58.544	13/09/2019	120.0	-109.0	-42.2
Bayamón	Puerto Rico	AECM Caribbean University	18.383	-66.168	14/09/2019	60.0	16.5	15.4
Buenos Aires	Argentina	ENS N° 1	-34.455	-58.544	14/09/2019	120.0	-90.0	-36.9
Buenos Aires	Argentina	ENS N° 1	-34.455	-58.544	15/09/2019	120.0	-78.0	-33.0
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	16/09/2019	100.0	92.2	42.7
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	16/09/2019	100.0	87.7	41.3
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	16/09/2019	20.0	-9.0	-24.2
Buenos Aires	Argentina	ENS N° 1	-34.455	-58.544	16/09/2019	120.0	-103.0	-40.6
Piranguinho	Brazil	Universidade Federal de Itajubá	-22.411	-45.535	17/09/2019	70.0	-32.8	-25.1
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	17/09/2019	20.0	-9.0	-24.2
Buenos Aires	Argentina	ENS N° 1	-34.455	-58.544	17/09/2019	120.0	-100.0	-39.8
Aigio	Greece	1st High School of Aigio	38.252	22.079	18/09/2019	30.0	22.3	36.6
Bayamón	Puerto Rico	AECM Caribbean University	18.383	-66.168	18/09/2019	102.0	28.0	15.4
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	18/09/2019	20.0	-9.0	-24.2
Buenos Aires	Argentina	ENS N° 1	-34.455	-58.544	18/09/2019	120.0	-147.0	-50.8
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	19/09/2019	100.0	96.1	43.9
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	19/09/2019	100.0	92.0	42.6
Petroupoli	Greece	4th Junior High School of Petroupolis	38.036	23.674	19/09/2019	52.3	38.7	36.5
Úbeda	Spain	Colegio Salesiano Santo Domingo Sa	38.017	-3.367	19/09/2019	119.9	88.5	36.4
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	19/09/2019	20.0	-9.0	-24.2
Buenos Aires	Argentina	ENS N° 1	-34.455	-58.544	18/09/2019	9.0	-5.5	-31.4
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	20/09/2019	100.0	97.5	44.3
Mărgineni	Romania	Gh. Popescu School	44.533	24.554	20/09/2019	100.0	93.8	43.2
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	20/09/2019	100.0	93.3	43.0

Úbeda	Spain	Col Salesiano Santo Domingo Savio	38.017	-3.367	20/09/2019	114.9	86.2	36.9
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	20/09/2019	20.0	-9.0	-24.2
Rio Cuarto	Argentina	Colegio Concordia	-33.149	-64.351	20/09/2019	52.5	-34.5	-33.3
Buenos Aires	Argentina	ENS N° 1	-34.455	-58.544	20/09/2019	7.5	-4.9	-33.2
Buenos Aires 48	Argentina	ESS N° 48 - Lanús	-34.702	-58.407	26/09/2019	17.2	-11.7	-34.2
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	21/09/2019	100	98.9	44.7
Mărgineni	Romania	Gh. Popescu School	44.533	24.554	21/09/2019	100.0	99.5	44.9
Bayamón	Puerto Rico	AECM Carribean University	18.383	-66.168	21/09/2019	60.0	21.0	19.3
Rio Cuarto	Argentina	Colegio Concordia	-33.149	-64.351	21/09/2019	52.5	-34.2	-33.1
Guarne	Colombia	Grupo Astrofánaticos	6.274	-75.447	22/09/2019	19.6	2.1	6.1
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	23/09/2019	100	101.7	45.5
Mărgineni	Romania	Gh. Popescu School	44.533	24.554	23/09/2019	100	100.5	45.1
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	23/09/2019	100.0	97.0	44.1
Ioannina	Greece	7th Junior High School of Ionnina	39.653	20.852	23/09/2019	47.5	39.2	39.5
Aigio	Greece	1st High School of Aigio	38.252	22.079	23/09/2019	30	24	38.7
Petroupoli	Greece	4th Junior High School	38.036	23.674	23/09/2019	52.3	41.0	38.1
Úbeda	Spain	Colegio Salesiano Santo Domingo	38.017	-3.367	23/09/2019	115.2	90.3	38.1
Yamunanagar	India	C V Raman Science Club	30.133	77.283	23/09/2019	102	60.1	30.5
Yamunanagar SD	India	Spring Dales Public School	30.133	77.250	23/09/2019	49	29	30.6
Yamunanagar CJC	India	GSSS Camp Jain Colony	30.121	77.263	23/09/2019	37.1	21.8	30.4
Hà Nội NGS	Việt Nam	Newton Grammar School	21.053	105.784	23/09/2019	81.5	31	20.8
Hà Đông	Việt Nam	Trần Hưng Đạo Hà Đông High school	20.943	105.758	23/09/2019	49.5	18.9	20.9
Hải Phòng Anhtxanh	Việt Nam	Trường THPT Anhtxanh	20.866	106.695	23/09/2019	150	44	16.3
Hải Phòng LQD	Việt Nam	Lê Quý Đôn High School	20.827	106.707	23/09/2019	93.6	35	20.5
Thai Binh City	Việt Nam	Bac Dong Quan high school	20.557	106.306	23/09/2019	68	28	22.4
Nam Dinh	Vietnam	Nguyen Khuyen high school	20.430	106.180	23/09/2019	80.0	29.6	20.3
San Juan Río Piedras	Puerto Rico	Universidad de Puerto Rico	18.404	-66.045	23/09/2019	82.9	27.3	18.2
Bayamón	Puerto Rico	AECM Carribean University	18.383	-66.168	23/09/2019	60	21	19.3
Comerio	Puerto Rico	Escuela Superior Vocacional	18.220	-66.226	23/09/2019	59.9	23.5	21.4
Hyderabad	India	Space Adhyaan	17.385	78.487	23/09/2019	19	6	17.5
Biên Hòa LTV	Việt Nam	LTV school for the gifted	10.957	106.864	23/09/2019	123	25	11.5
Hồ Chí Minh City N	Việt Nam	Nguyen Trai High School	10.760	106.712	23/09/2019	84.7	16.5	11.0
Hồ Chí Minh City	Việt Nam	Vietnam Australia international	10.766	106.663	23/09/2019	81	15.5	10.8
Guarne	Colombia	Grupo Astrofánaticos	6.274	-75.447	23/09/2019	19.6	2.1	6.1
Itajubá	Brazil	Universidade Federal de Itajubá	-22.415	-45.449	23/09/2019	47.3	-19.4	-22.3
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	23/09/2019	20	-8	-21.8
Buenos Aires	Argentina	ENS N° 1	-34.455	-58.544	23/09/2019	7.5	-4.6	-31.5
Chivilcoy	Argentina	Parque Cielos del Sur	-34.911	-60.014	23/09/2019	100	-70	-35
Piranguinho	Brazil	Universidade Federal de Itajubá	-22.411	-45.535	24/09/2019	70	-28.1	-21.9
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	24/09/2019	20	-8	-21.8
Rio Cuarto	Argentina	Colegio Concordia	-33.149	-64.351	24/09/2019	52.5	-33.6	-32.6
Buenos Aires	Argentina	ENS N° 1	-34.455	-58.544	24/09/2019	7.5	-4.8	-32.6
Chivilcoy	Argentina	Parque Cielos del Sur	-34.911	-60.014	24/09/2019	204	-139.5	-34.4
Yamunanagar	India	Vishnunagar Jagadhri Workshop	30.133	77.250	25/09/2019	60	35.1	30.3
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	26/09/2019	100	101.5	45.4
Petroupoli	Greece	4th Junior High School	38.036	23.674	26/09/2019	52.3	42.7	39.2
Buenos Aires	Argentina	ENS N° 1	-34.455	-58.544	26/09/2019	7.5	-5.6	-36.7
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	27/09/2019	100	107.6	47.1
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	27/09/2019	100	109.3	47.5
Guarne	Colombia	Grupo Astrofánaticos	6.274	-75.447	27/09/2019	19.6	2.8	8.1
Piranguinho	Brazil	Universidade Federal de Itajubá	-22.411	-45.535	27/09/2019	70	-26.8	-20.9
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	27/09/2019	20	-8	-21.8
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	30/09/2019	100	112.2	48.3
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	30/09/2019	100	106.5	46.8
Bayamón	Puerto Rico	AECM Carribean University	18.383	-66.168	30/09/2019	60	23	21
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	30/09/2019	20	-8	-21.8