

City	Country	School	Latitude (+N/-S) decimal(°)	Longitude (+E/-W) decimal(°)	Date	Gnomon height [cm]	Shadow length [cm]	Angle (°)
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	01/10/2019	100.0	113.8	48.7
Piranguinho	Brazil	Universidade Federal de Itajubá	-22.411	-45.535	01/10/2019	70.0	-24.2	-19.1
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	01/10/2019	20.0	-7.0	-19.3
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	02/10/2019	100.0	115.4	49.1
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	02/10/2019	20.0	-7.0	-19.3
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	03/10/2019	100.0	117.1	49.5
Mărgineni	Romania	Gh. Popescu School	44.533	24.554	03/10/2019	100.0	114.7	48.9
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	03/10/2019	100.0	113.0	48.5
Petroupoli	Greece	4th Junior High School	38.036	23.674	03/02/2019	52.3	47.1	42.0
Piranguinho	Brazil	Universidade Federal de Itajubá	-22.411	-45.535	03/10/2019	70.0	-22.8	-18.0
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	03/10/2019	20.0	-7.0	-19.3
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	04/10/2019	100.0	114.0	48.7
Guarne	Colombia	Grupo Astrofánaticos	6.274	-75.447	04/10/2019	30.5	5.5	10.2
Piranguinho	Brazil	Universidade Federal de Itajubá	-22.411	-45.535	04/10/2019	70.0	-23.2	-18.3
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	04/10/2019	20.0	-7.0	-19.3
Yamunanagar	India	GSSS Camp Jain Colony	30.121	77.263	05/10/2019	49.0	29.0	30.6
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	07/10/2019	100	117.7	49.6
Petroupoli	Greece	4th Junior High School	38.036	23.674	07/10/2019	52.3	49.5	43.4
Buenos Aires	Argentina	ENS Nº 1	-34.455	-58.544	07/10/2019	7.5	-4.5	-3.1
Busteni	Romania	Colegiul Ion Kalinderu, Scoala Gimnaziala	45.416	25.535	08/10/2019	100	125.5	51.5
Mărgineni	Romania	Gh. Popescu School	44.533	24.554	08/10/2019	100	121.9	50.6
Hồ Chí Minh City NT	Viêt Nam	Nguyen Trai High School	10.760	106.712	08/10/2019	81.8	13.2	9.2
Buenos Aires	Argentina	ENS Nº 1	-34.455	-58.544	08/10/2019	7.5	-8.0	-46.8
Chivilcoy	Argentina	Parque Cielos del Sur	-34.911	-60.014	08/10/2019	101.0	-55.0	-28.6
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	09/10/2019	100.0	127.3	51.8
Hồ Chí Minh City NT	Viêt Nam	Nguyen Trai High School	10.760	106.712	09/10/2019	63.8	22.7	19.6
Buenos Aires	Argentina	ENS Nº 1	-34.455	-58.544	09/10/2019	7.5	-3.9	-27.5
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	10/10/2019	100.0	129.1	52.2
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	10/10/2019	100	125.3	51.4
Yamunanagar SD	India	Spring Dales Public School	30.133	77.250	10/10/2019	49	36	36.3
Hồ Chí Minh City NT	Viêt Nam	Nguyen Trai High School	10.760	106.712	10/10/2019	84.6	24.1	15.9
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	11/10/2019	100	124	51.1
Aigio	Greece	1st High School of Aigio	38.252	22.079	11/10/2019	30.0	30.2	45.2
Piranguinho	Brazil	Universidade Federal de Itajubá	-22.411	-45.535	11/10/2019	70	-19.6	-15.6
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	11/10/2019	20	-6	-16.7
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	14/10/2019	100.0	136.4	53.8
Aigio	Greece	1st High School of Aigio	38.252	22.079	14/10/2019	30.0	31.2	46.1
Petroupoli	Greece	4th Junior High School of Petroupoli	38.036	23.674	14/10/2019	52.3	54.0	45.9
Guarne	Colombia	Grupo Astrofánaticos	6.274	-75.447	14/10/2019	13.0	3.4	14.7
Piranguinho	Brazil	Universidade Federal de Itajubá	-22.411	-45.535	14/10/2019	70.0	-17.4	-14.0
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	14/10/2019	20.0	-6.0	-16.7
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	15/10/2019	100.0	138.3	54.1
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	15/10/2019	20.0	-6.0	-16.7
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	16/10/2019	100.0	140.2	54.5
Mărgineni	Romania	Gh. Popescu School	44.533	24.554	16/10/2019	100.0	128.0	52.0
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	16/10/2019	20.0	-6.0	-16.7
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	18.10.2019	100.0	144.1	55.2
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	18/10/2019	100.0	136.0	53.7
Aigio	Greece	1st High School of Aigio	38.252	22.079	18/10/2019	30.0	33.0	47.7
Ilion	Greece	11th Junior High School of Ilion	38.033	23.697	18/10/2019	36.0	39.4	47.6
Úbeda	Spain	Colegio Salesiano Santo Domingo Sa	38.017	-3.367	18/10/2019	115.2	126.2	47.6
Guarne	Colombia	Grupo Astrofánaticos	6.274	-75.447	18/10/2019	30.5	8.7	15.9
Buenos Aires	Argentina	ENS Nº 1	-34.455	-58.544	18/10/2019	7.5	-3.0	-21.8
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	21/10/2019	100.0	150.1	56.3
Athens	Greece	Experimental School Agion Aanrgyro	38.027	23.726	21/10/2019	49.0	54.0	47.8
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	22/10/2019	100.0	152.2	56.7
Frontino	Colombia	Astronomy Club Astrofron	6.777	-76.132	22/10/2019	28.0	9.4	18.6
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	22/10/2019	20.0	-5.0	-14.0
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	23/10/2019	100.0	154.2	57.0
Jajjah Abbasian	Pakistan	Government Boys Secondary	28.754	70.569	23/10/2019	100.0	85.0	40.4
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	24/10/2019	100.0	156.3	57.4
Jajjah Abbasian	Pakistan	Government Boys Secondary School	28.754	70.569	24/10/2019	100.0	86.1	40.7
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	24/10/2019	20.0	-4.0	-11.3
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	25/10/2019	100.0	158.4	57.7
Jajjah Abbasian	Pakistan	Government Boys Secondary School	28.754	70.569	25/10/2019	100	87.2	41.1
Itajubá	Brazil	Universidade Federal de Itajubá	-22.415	-45.449	25/10/2019	47.3	-8.5	-10.2
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	25/10/2019	20.0	-5.0	-14.0
Busteni	Romania	Colegiul Ion Kalinderu, Scoala	45.416	25.535	28/10/2019	100.0	164.9	58.8
Frontino	Colombia	Astronomy Club Astrofron	6.777	-76.132	28/10/2019	112.0	47.0	22.8
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	28/10/2019	20.0	-4	-11.3
Piranguinho	Brazil	Universidade Federal de Itajubá	-22.411	-45.535	29/10/2019	70	-10.9	-8.9
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	29/10/2019	20	-4	-11.3
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	30/10/2019	20.0	-4.0	-11.3
Petroupoli	Greece	4th Junior High School of	38.036	23.674	31/10/2019	52.3	67.5	52.2
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	31/10/2019	20	-4	-11.3