

City	Country	School	Latitude (+N/-S) decimal(°)	Longitude (+E/-W) decimal(°)	Date	Gnomon height [cm]	Shadow length [cm]	Angle (°)
Piranguinho	Brazil	Universidade Federal de Itajubá	-22.411	-45.535	01/11/2019	70.0	-9.9	-8.0
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	01/11/2019	75.5	131.0	60.0
Jajjah Abbasian	Pakistan	Government Boys Secondary School	28.754	70.569	02/11/2019	100.0	96.1	43.9
Petroupoli	Greece	4th junior high school	38.036	23.674	04/11/2019	52.3	70.4	53.4
Jajjah Abbasian	Pakistan	Government Boys Secondary School	28.754	70.569	04/11/2019	100.0	97.7	44.3
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	04/11/2019	20.0	-3.0	-8.5
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	04/11/2019	100.0	180.2	61.0
Guarne	Colombia	Grupo Astrofánaticos	6.274	-75.447	04/11/2019	30.5	12.2	21.8
Piranguinho	Brazil	Universidade Federal de Itajubá	-22.411	-45.535	04/11/2019	70.0	-8.3	-6.8
Busteni	Romania	Scoala Gimnaziala	45.416	25.535	05/11/2019	100.0	182.5	61.3
Jajjah Abbasian	Pakistan	Government Boys Secondary School	28.754	70.569	05/11/2019	100.0	98.7	44.6
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	05/11/2019	20.0	-3.0	-8.5
Busteni	Romania	Scoala Gimnaziala	45.416	25.535	06/11/2019	100.0	184.7	61.6
Aigio	Greece	1st High School of Aigio	38.252	22.079	06/11/2019	30.0	41.5	54.1
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	07/11/2019	100.0	187.0	61.9
Petroupoli	Greece	4th junior high school	38.036	23.674	07/11/2019	52.3	72.8	54.3
Jajjah Abbasian	Pakistan	Government Boys Secondary	28.754	70.569	07/11/2019	100	100.7	45.2
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	07/11/2019	20	-3	-8.5
Jajjah Abbasian	Pakistan	Government Boys Secondary	28.754	70.569	08/11/2019	100	101.7	45.5
Guarne	Colombia	Grupo Astrofánaticos	6.274	-75.447	08/11/2019	30.5	13.1	23.2
Jajjah Abbasian	Pakistan	Government Boys Secondary School	28.754	70.569	09/11/2019	100	102.7	45.8
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	11/11/2019	100	196	63
Jajjah Abbasian	Pakistan	Government Boys Secondary School	28.754	70.569	11/11/2019	100.0	104.7	46.3
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	12/11/2019	20.0	-3.0	-8.5
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	13/11/2019	100.0	200.5	63.5
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	13/11/2019	20	-3	-8.5
Petroupoli	Greece	4th junior high school	38.036	23.674	14/11/2019	52.3	78.0	56.2
Tandi Nani	India	Govt senior secondary school Tandi	23.346	74.215	14/11/2019	55.0	45.0	39.3
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	15/11/2019	100	195	62.9
Jajjah Abbasian	Pakistan	Government Boys Secondary	28.754	70.569	16/11/2019	100	109.4	47.6
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	18/11/2019	100.0	200.0	63.4
Jajjah Abbasian	Pakistan	Government Boys Secondary	28.754	70.569	18/11/2019	100	111.2	48
Frontino	Colombia	Astronomy Club Astrofron	6.777	-76.132	18/11/2019	113.0	53.0	25.1
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	19/11/2019	100	213.8	64.9
Jajjah Abbasian	Pakistan	Government Boys Secondary	28.754	70.569	19/11/2019	100	112.1	48.3
Itajubá	Brazil	Universidade Federal de Itajubá	-22.415	-45.449	19/11/2019	47.3	-2.5	-3.0
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	21/11/2019	100.0	205.0	64.0
Petroupoli	Greece	4th Junior High School of Petroupoli	38.036	23.674	21/11/2019	52.3	83.5	57.9
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	21/11/2019	20.0	-2.0	-5.7
Aigio	Greece	1st High School of Aigio	38.252	22.079	22/11/2019	30.0	48.5	58.3
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	22/11/2019	100.0	209.0	64.4
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	22/11/2019	20.0	-2.0	-5.7
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	23/11/2019	11.2	25.0	65.9
Jajjah Abbasian	Pakistan	Government Boys Secondary School	28.754	70.569	23/11/2019	100.0	115.5	49.1
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	25/11/2019	100.0	215.0	65.1
Rio de Janeiro	Brazil	Prefeitura do Rio de Janeiro	-22.911	-43.206	25/11/2019	7.0	-0.3	-2.5
Busteni	Romania	Scolala Gimnaziala Sanatoriala	45.416	25.535	26/11/2019	26.3	60.0	66.3
Mărgineni	Romania	Secondary School Gh. Popescu	44.533	24.554	26/11/2019	100.0	218.0	65.4
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	26/11/2019	20.0	-2.0	-5.7
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	27/11/2019	32.1	74.0	66.5
Athens	Greece	Experimental School Agion Anargyro	38.027	23.726	27/11/2019	48.0	80.0	59.0
Jajjah Abbasian	Pakistan	Government Boys Secondary	28.754	70.569	27/11/2019	100.0	118.6	49.9
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	27/11/2019	20.0	-2.0	-5.7
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	28/11/2019	100.0	232.2	66.7
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	28/11/2019	100.0	218.0	65.4
Petroupoli	Greece	4th Junior High School of Petroupoli	38.036	23.674	28/11/2019	52.3	88.3	59.4
Jajjah Abbasian	Pakistan	Government Boys Secondary	28.754	70.569	28/11/2019	100.0	119.0	50.0
Guarne	Colombia	Grupo Astrofánaticos	6.274	-75.447	28/11/2019	12.9	6.7	27.4
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	28/11/2019	20.0	-2.0	-5.7
Busteni	Romania	Scolala Gimnaziala Sanatoriala	45.416	25.535	29/11/2019	100.0	234.1	66.9
Mărgineni	Romania	Secondary School Gh. Popescu	44.533	24.554	29/11/2019	100.0	228.0	66.3
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	29/11/2019	100.0	223.5	65.9
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	29/11/2019	20.0	-2.0	-5.7
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	30/11/2019	22.5	53.0	67.0