

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	02/12/2019	100.0	239.4	67.3
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	02/12/2019	100.0	226.0	66.1
Athens	Greece	Experimental school agion Anargyron	38.027	23.726	02/12/2019	49.0	85.0	60.0
Jajjah Abbasian	Pakistan	Government Boys Secondary School	28.754	70.569	02/12/2019	100.0	122.0	50.7
Piranguinho	Brazil	Universidade Federal de Itajubá	-22.411	-45.535	02/12/2019	70.0	-0.7	-0.6
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	03/12/2019	50.0	120.5	67.5
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	04/12/2019	17.0	41.2	67.6
Jajjah Abbasian	Pakistan	Government Boys Secondary School	28.754	70.569	04/12/2019	100.0	123.2	50.9
Tandi Nani	India	GSSS Tandi Nani	23.346	74.215	04/12/2019	58.0	59.0	45.5
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	04/12/2019	20.0	-0.3	-0.9
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	05/12/2019	50.0	122.0	67.7
Petroupolis	Greece	4th Junior High School	38.036	23.674	05/12/2019	52.3	92.0	60.4
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	05/12/2019	20.0	-0.2	-0.6
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	06/12/2019	50.0	122.8	67.8
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	06/12/2019	100.0	230.0	66.5
Aigio	Greece	1st High School of Aigio	38.252	22.079	06/12/2019	30.0	53.5	60.7
Jajjah Abbasian	Pakistan	Government Boys Secondary School	28.754	70.569	06/12/2019	100	124.2	51.2
Jajjah Abbasian	Pakistan	Government Boys Secondary School	28.754	70.569	07/12/2019	100	124.8	51.3
Yamunanagar	India	C V Raman Science Club	30.133	77.283	07/12/2019	19	25.5	53.3
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	09/12/2019	50	124.8	68.2
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	09/12/2019	100	240	67.4
Petroupoli	Greece	4th Junior High School	38.036	23.674	09/12/2019	52.3	93.5	60.8
Jajjah Abbasian	Pakistan	Government Boys Secondary School	28.754	70.569	09/12/2019	100.0	125.7	51.5
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	09/12/2019	20.0	-0.2	-0.6
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	10/12/2019	50.0	125.4	68.3
Jajjah Abbasian	Pakistan	Government Boys Secondary School	28.754	70.569	10/12/2019	100	126.2	51.6
Aigio	Greece	1st High School of Aigio	38.252	22.079	11/12/2019	30.0	54.6	61.2
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	11/12/2019	50.0	125.9	68.3
Jajjah Abbasian	Pakistan	Government Boys Secondary School	28.754	70.569	14/12/2019	100	127.6	51.9
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	16/12/2019	50	128.1	68.7
Petroupoli	Greece	4th Junior High School	38.036	23.674	16/12/2019	52.3	96.0	61.4
Jajjah Abbasian	Pakistan	Government Boys Secondary School	28.754	70.569	16/12/2019	100	128.1	52
Guarne	Colombia	Grupo Astrofánaticos	6.274	-75.447	16/12/2019	12.9	7.3	29.5
Piranguinho	Brazil	Universidade Federal de Itajubá	-22.411	-45.535	16/12/2019	70	1.3	1.1
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	17/12/2019	50	128.4	68.7
Jajjah Abbasian	Pakistan	Government Boys Secondary School	28.754	70.569	17/12/2019	100.0	128.3	52.1
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	18/12/2019	50.0	128.6	68.8
Athens	Greece	Experimental school Agion Anargyron	38.027	23.726	18/12/2019	49.0	90.0	61.4
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	18/12/2019	20.0	0.1	0.3
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	19/12/2019	7.7	20.0	68.9
Lafrançaise	France	Collège Antonin Perbosc	44.127	1.237	19/12/2019	100.0	241.0	67.5
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	20/12/2019	8.5	22.0	68.9
Petroupoli	Greece	4th Junior High School	38.036	23.674	20/12/2019	52.3	96.3	61.5
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	20/12/2019	20.0	0.1	0.3
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	21/12/2019	100.0	258.3	68.8
Jajjah Abbasian	Pakistan	Government Boys Secondary School	28.754	70.569	21/12/2019	100.0	128.8	52.2
Busteni	Romania	Scoala Gimnaziala Sanatoriala	45.416	25.535	22/12/2019	100.0	258.5	68.9
Margineni	Romania	Gh. Popescu School	44.533	24.554	22/12/2019	100.0	247.0	68.0
Úbeda	Spain	Colegio Salesiano Santo Domingo Sav	38.017	-3.367	22/12/2019	37.0	65.1	60.4
Chivilcoy	Argentina	Parque Cielos del Sur	-34.911	-60.014	22/12/2019	100.0	-19.5	-11.0
Yamunanagar SD	India	Spring Dales Public School	30.133	77.250	24/12/2019	49.0	67.0	53.8
Guarne	Colombia	Grupo Astrofánaticos	6.274	-75.447	24/12/2019	12.9	7.4	29.8
Piranguinho	Brazil	Universidade Federal de Itajubá	-22.411	-45.535	24/12/2019	70.0	1.4	1.1
Petroupoli	Greece	4th Junior High School	38.036	23.674	25/12/2019	31.5	57.5	61.3
Guarne	Colombia	Grupo Astrofánaticos	6.274	-75.447	25/12/2019	30.5	17.4	29.7
Rio de Janeiro	Brazil	Centro Educacional Nosso Mundo	-22.890	-43.317	25/12/2019	80.0	2.0	1.4
Maricá	Brazil	Grupo 84° Escoteiro Cidade de	-22.919	-42.819	29/12/2019	12.0	1.5	7.1