



SunEarthTools.com

Tools for consumers and designers of solar

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- Photovoltaic FAQ
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- Build a sundial



Home > Solar tools > Sun Position

Select Language

Donate



select your points

search

SunRise: 06:27:21 * 85.2° | SunSet: 18:39:50 * 275° |

select your shadow profile

Name

execute

Solar Disk Analemma Solstice

year month day hour minute

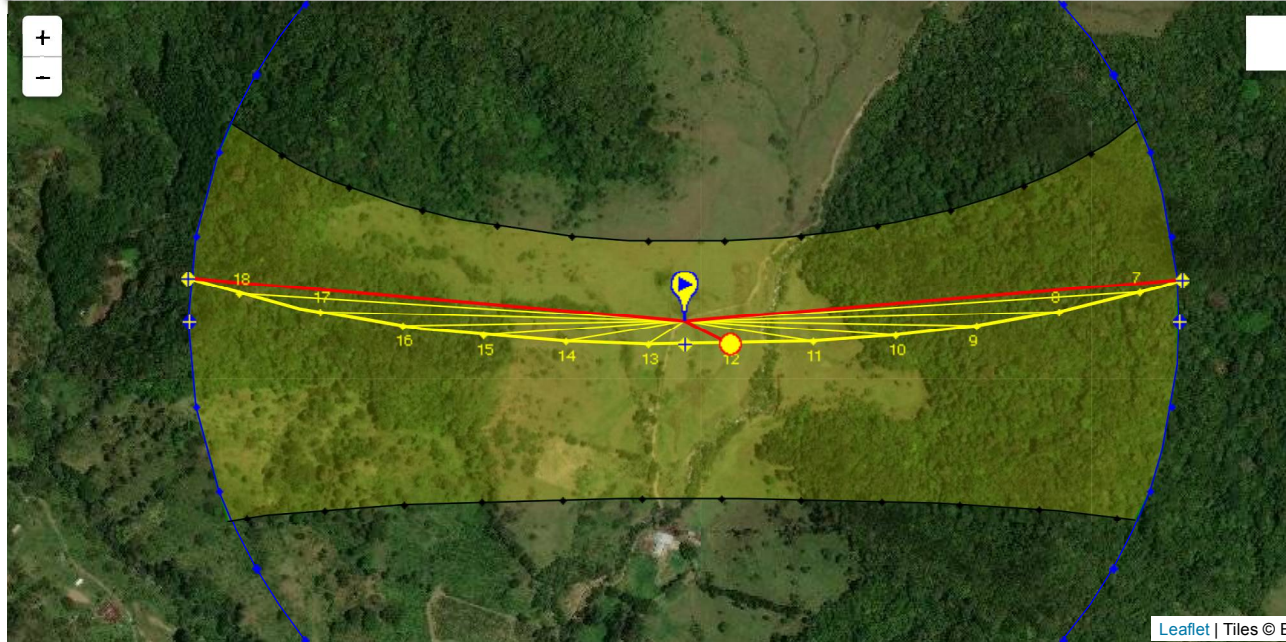
2014 04 01 12 00

Time zone GMT-5 DST Default

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14:02 | Monday 19 August 2019

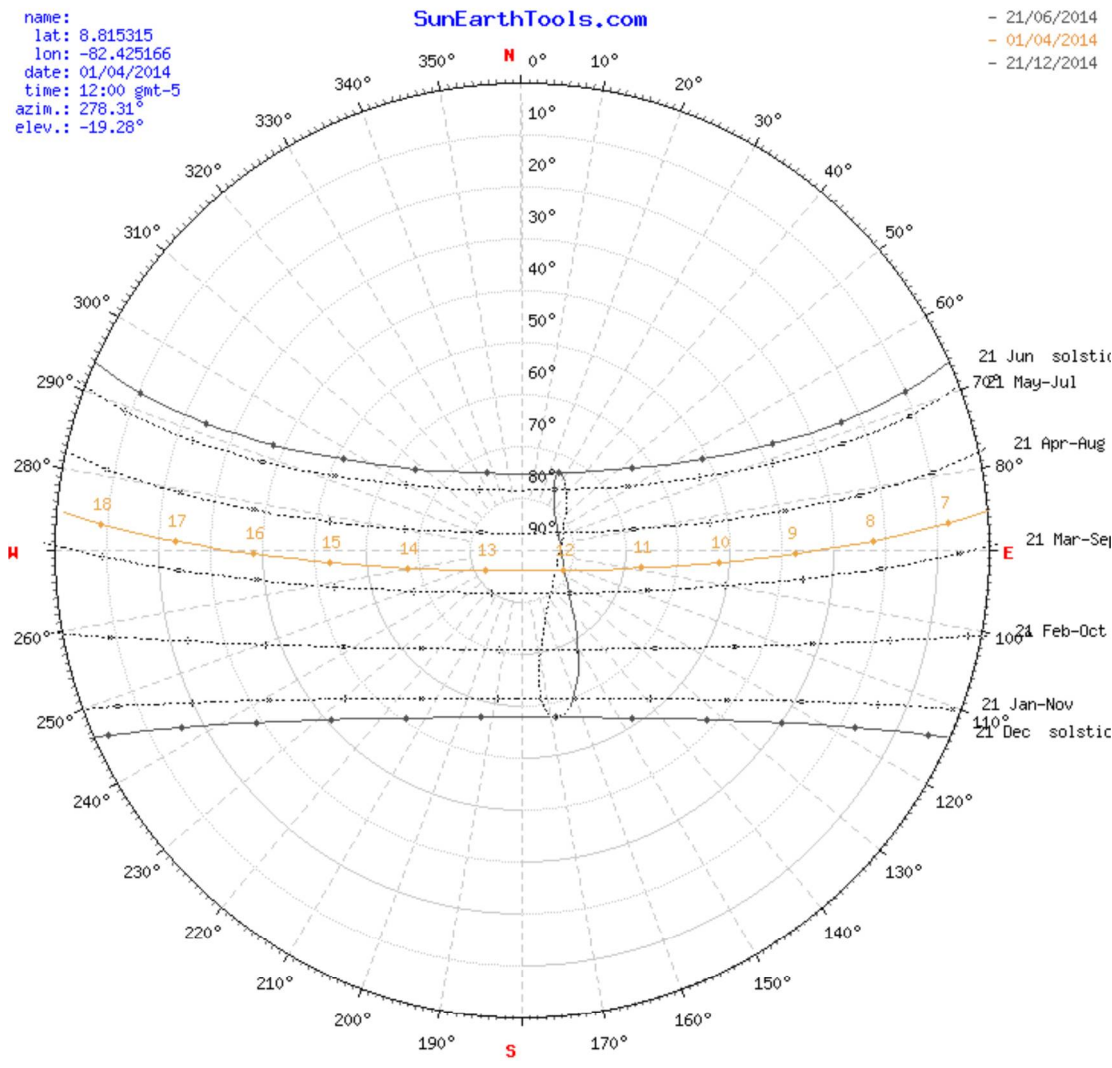
Mode: path+ray



Insert this map tool in your site

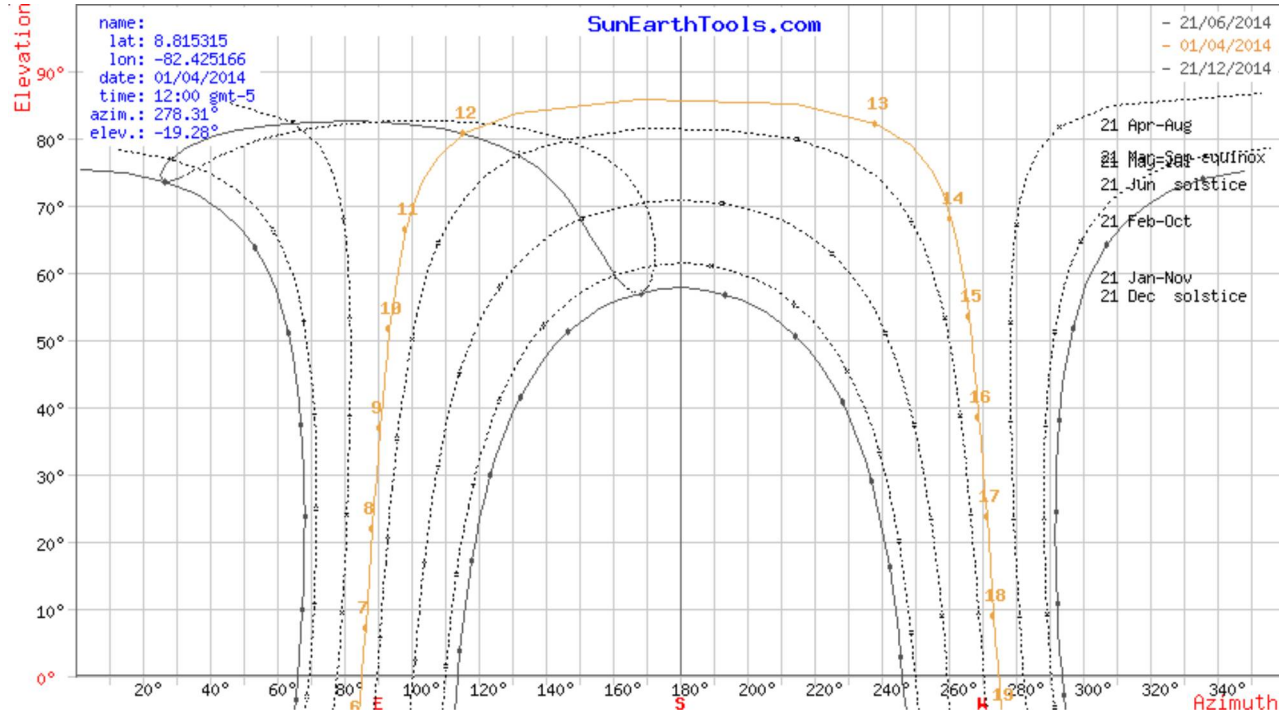
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Bold line: Trasparent background: Months path: execute






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sun position 	Elevation	Azimuth	latitude	longitude
01/04/2014 12:00 GMT-5	80.71°	115.74°	8.815315° N	82.425166° W
twilight 	Sunrise	Sunset	Azimuth Sunrise	Azimuth Sunset
twilight -0.833°	06:27:21	18:39:50	85.2°	275°
Civil twilight -6°	06:06:21	19:00:49	84.37°	275.84°
Nautical twilight -12°	05:41:56	19:25:15	83.34°	276.89°
Astronomical twilight -18°	05:17:27	19:49:45	82.2°	278.04°
daylight 	hh:mm:ss	diff. dd+1	diff. dd-1	Noon
01/04/2014	12:12:29	00:00:29	-00:00:28	12:33:35

Step (minute):  [download Excel table](#)

Date:	01/04/2014 GMT-5	
coordinates:	8.815315, -82.425166	
location:	8.81531500,-82.42516600	
hour	Elevation	Azimuth
06:27:21	-0.833°	85.2°
6:35:00	1.05°	85.49°
6:40:00	2.28°	85.68°
6:45:00	3.51°	85.86°
6:50:00	4.74°	86.05°
6:55:00	5.98°	86.23°
7:00:00	7.21°	86.41°
7:5:00	8.44°	86.59°
7:10:00	9.68°	86.77°
7:15:00	10.91°	86.95°
7:20:00	12.15°	87.13°
7:25:00	13.38°	87.3°
7:30:00	14.61°	87.48°
7:35:00	15.85°	87.66°
7:40:00	17.08°	87.83°
7:45:00	18.32°	88.01°
7:50:00	19.55°	88.18°
7:55:00	20.79°	88.36°
8:00:00	22.02°	88.54°
8:5:00	23.26°	88.71°
8:10:00	24.49°	88.89°
8:15:00	25.73°	89.07°
8:20:00	26.97°	89.25°
8:25:00	28.2°	89.44°
8:30:00	29.44°	89.62°
8:35:00	30.67°	89.81°
8:40:00	31.91°	90°
8:45:00	33.14°	90.19°
8:50:00	34.38°	90.38°
8:55:00	35.61°	90.58°
9:00:00	36.85°	90.78°
9:5:00	38.09°	90.98°
9:10:00	39.32°	91.19°
9:15:00	40.56°	91.41°
9:20:00	41.79°	91.63°
9:25:00	43.03°	91.85°
9:30:00	44.26°	92.08°

9:35:00	45.5°	92.32°
9:40:00	46.73°	92.56°
9:45:00	47.97°	92.81°
9:50:00	49.2°	93.08°
9:55:00	50.43°	93.35°
10:00:00	51.67°	93.63°
10:5:00	52.9°	93.92°
10:10:00	54.13°	94.23°
10:15:00	55.36°	94.56°
10:20:00	56.6°	94.9°
10:25:00	57.83°	95.25°
10:30:00	59.06°	95.63°
10:35:00	60.29°	96.04°
10:40:00	61.51°	96.47°
10:45:00	62.74°	96.93°
10:50:00	63.97°	97.43°
10:55:00	65.19°	97.96°
11:00:00	66.42°	98.55°
11:5:00	67.64°	99.18°
11:10:00	68.85°	99.88°
11:15:00	70.07°	100.66°
11:20:00	71.28°	101.53°
11:25:00	72.49°	102.5°
11:30:00	73.7°	103.6°
11:35:00	74.89°	104.87°
11:40:00	76.08°	106.34°
11:45:00	77.27°	108.07°
11:50:00	78.43°	110.14°
11:55:00	79.58°	112.64°
12:00:00	80.71°	115.74°
12:5:00	81.81°	119.66°
12:10:00	82.85°	124.74°
12:15:00	83.83°	131.45°
12:20:00	84.69°	140.48°
12:25:00	85.38°	152.55°
12:30:00	85.8°	167.85°
12:35:00	85.88°	185.06°
12:40:00	85.6°	201.45°
12:45:00	85.01°	214.93°
12:50:00	84.21°	225.17°
12:55:00	83.28°	232.78°
13:00:00	82.26°	238.48°
13:5:00	81.18°	242.84°
13:10:00	80.07°	246.25°
13:15:00	78.92°	248.99°
13:20:00	77.76°	251.22°
13:25:00	76.59°	253.08°
13:30:00	75.4°	254.66°
13:35:00	74.21°	256.01°
13:40:00	73°	257.18°
13:45:00	71.8°	258.2°
13:50:00	70.59°	259.11°
13:55:00	69.37°	259.92°
14:00:00	68.15°	260.65°
14:5:00	66.93°	261.32°
14:10:00	65.71°	261.92°

14:15:00	64.49°	262.48°
14:20:00	63.26°	262.99°
14:25:00	62.04°	263.47°
14:30:00	60.81°	263.91°
14:35:00	59.58°	264.33°
14:40:00	58.35°	264.72°
14:45:00	57.12°	265.09°
14:50:00	55.89°	265.43°
14:55:00	54.66°	265.76°
15:00:00	53.42°	266.08°
15:5:00	52.19°	266.38°
15:10:00	50.96°	266.67°
15:15:00	49.73°	266.95°
15:20:00	48.49°	267.21°
15:25:00	47.26°	267.47°
15:30:00	46.02°	267.72°
15:35:00	44.79°	267.96°
15:40:00	43.55°	268.19°
15:45:00	42.32°	268.42°
15:50:00	41.09°	268.64°
15:55:00	39.85°	268.86°
16:00:00	38.61°	269.07°
16:5:00	37.38°	269.28°
16:10:00	36.14°	269.48°
16:15:00	34.91°	269.68°
16:20:00	33.67°	269.88°
16:25:00	32.44°	270.07°
16:30:00	31.2°	270.26°
16:35:00	29.97°	270.45°
16:40:00	28.73°	270.64°
16:45:00	27.5°	270.82°
16:50:00	26.26°	271°
16:55:00	25.03°	271.18°
17:00:00	23.79°	271.37°
17:5:00	22.56°	271.55°
17:10:00	21.32°	271.72°
17:15:00	20.09°	271.9°
17:20:00	18.85°	272.08°
17:25:00	17.62°	272.26°
17:30:00	16.38°	272.44°
17:35:00	15.15°	272.61°
17:40:00	13.92°	272.79°
17:45:00	12.68°	272.97°
17:50:00	11.45°	273.15°
17:55:00	10.22°	273.33°
18:00:00	8.98°	273.51°
18:5:00	7.75°	273.69°
18:10:00	6.52°	273.87°
18:15:00	5.29°	274.06°
18:20:00	4.05°	274.24°
18:25:00	2.82°	274.43°
18:30:00	1.59°	274.62°
18:35:00	0.36°	274.81°
18:39:50	-0.833°	275°

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