



sun position	Elevation	Azimuth	latitude	longitude
04/02/2017 02:39   GMT-5	-50.67°	63.22°	39.9538575° N	75.1848936° W
twilight 1	Sunrise	Sunset	Azimuth Sunrise	Azimuth Sunset
twilight -0.833°	07:05:54	17:23:58	110.43°	249.74°
Civil twilight -6°	06:37:31	17:52:19	105.98°	254.2°
Nautical twilight -12°	06:05:20	18:24:31	101.04°	259.15°
Astronomical twilight -18°	05:33:40	18:56:12	96.2°	264.01°
daylight 1	hh:mm:ss	diff. dd+1	diff. dd-1	Noon
04/02/2017	10:18:04	00:02:14	-00:02:13	12:14:56

Date:	04/02/2017   GMT-5		
ccordinates:	39.9538575, -75.1848936		
location:	3028-3080 Ludlow St, Philadelphia, PA 19104, USA		
hour	Elevation	Azimuth	
07:05:54	-0.833°	110.43°	
8:00:00	8.57°	119.43°	
9:00:00	17.99°	130.64°	
10:00:00	25.83°	143.7°	
11:00:00	31.38°	158.87°	
12:00:00	33.93°	175.74°	
13:00:00	33.06°	193.01°	
14:00:00	28.92°	209.14°	
15:00:00	22.13°	223.26°	
16:00:00	13.42°	235.34°	
17:00:00	3.42°	245.85°	
17:23:58	-0.833°	249.74°	

Hi,

for any problem or if you want to suggest a new feature or simply want to express an opinion about the site, feel free to send me a comment by email: info@sunearthtools.com

In few cases there was a problem on the server side and the attached file was corrupted or empty, please let try to make another request, if the problem continues, forward this document with the used data to me, I'll try to create and send the file for you.

I hope that this file is useful, if you want to help my work, you can make a free donation.

Please don't print this document unless you really need to!

regards,

SunEarthTools